XP19

DAVE LENNOX *SIGNATURE*® COLLECTION

Expanded Rating Tables

ENGINEERING DATA

Bulletin No. 210415R
April 2009
Supersedes December 2008

RATINGS — 2 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CBX27UH-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	20.6	6.0	.83	.83	.99	1.00	19.6	5.7	.99	.85	1.00	1.00	18.6	5.5	1.16	.88	1.00	1.00	17.4	5.1	1.37	.92	1.00	1.00
	800	380	21.2	6.2	.83	.86	1.00	1.00	20.2	5.9	.99	.88	1.00	1.00	19.2	5.6	1.17	.92	1.00	1.00	17.9	5.2	1.37	.96	1.00	1.00
67°F (19°C)	725	340	22.2	6.5	.84	.63	.80	.96	20.8	6.1	.99	.65	.82	.98	19.5	5.7	1.17	.67	.85	1.00	18.1	5.3	1.37	.69	.89	1.00
	800	380	22.6	6.6	.84	.65	.83	.99	21.2	6.2	1.00	.67	.86	1.00	19.9	5.8	1.17	.69	.89	1.00	18.4	5.4	1.38	.71	.93	1.00
71°F (22°C)	725	340	23.6	6.9	.85	.46	.62	.77	22.4	6.6	1.00	.47	.63	.79	21.0	6.2	1.18	.48	.65	.82	19.4	5.7	1.38	.49	.67	.86
	800	380	24.0	7.0	.85	.47	.64	.80	22.8	6.7	1.01	.48	.65	.83	21.2	6.2	1.18	.49	.67	.86	19.8	5.8	1.38	.50	.70	.90

SECOND STAGE COOLING CAPACITY - XP19-024 with [CBX27UH-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	24.2	7.1	1.40	.77	.92	1.00	22.8	6.7	1.62	.79	.96	1.00	21.4	6.3	1.86	.82	.99	1.00	19.8	5.8	2.14	.85	1.00	1.00
	800	380	24.8	7.3	1.40	.80	.96	1.00	23.4	6.9	1.62	.82	.99	1.00	21.8	6.4	1.87	.85	1.00	1.00	20.4	6.0	2.15	.89	1.00	1.00
67°F (19°C)	725	340	25.8	7.6	1.41	.60	.75	.89	24.4	7.2	1.63	.62	.77	.92	22.8	6.7	1.88	.63	.79	.95	21.0	6.2	2.16	.65	.83	.99
	800	380	26.4	7.7	1.42	.62	.77	.92	24.8	7.3	1.64	.63	.80	.95	23.2	6.8	1.88	.65	.82	.99	21.4	6.3	2.16	.67	.86	1.00
71°F (22°C)	725	340	27.4	8.0	1.43	.45	.59	.72	25.8	7.6	1.65	.46	.60	.74	24.2	7.1	1.90	.46	.62	.77	22.2	6.5	2.18	.47	.64	.80
	800	380	28.0	8.2	1.43	.46	.60	.75	26.2	7.7	1.65	.46	.62	.77	24.6	7.2	1.90	.47	.64	.80	22.8	6.7	2.18	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-024 with [CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
725	340	22.7	6.7	1.16	21.0	6.2	1.12	19.3	5.7	1.08	17.6	5.2	1.04
800	380	22.9	6.7	1.12	21.2	6.2	1.08	19.5	5.7	1.04	17.9	5.2	1.00

SECOND STAGE HEATING CAPACITY - XP19-024 with [CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
725	340	27.5	8.1	1.69	20.6	6.0	1.48	13.2	3.9	1.27	9.4	2.8	1.09	4.8	1.4	.82
800	380	27.8	8.1	1.65	20.9	6.1	1.44	13.5	4.0	1.23	9.7	2.8	1.05	5.0	1.5	.78

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP19-024 with [CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.65	27.8	8.1
60	16	1.60	26.2	7.7
55	13	1.55	24.7	7.2
50	10	1.50	23.1	6.8
47	8	1.47	22.2	6.5
45	7	1.44	20.9	6.1
40	4	1.36	17.5	5.1
35	2	1.29	14.1	4.1
30	-1	1.26	13.8	4.0
25	-4	1.23	13.5	4.0

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
20	-7	1.20	13.2	3.9
17	-8	1.18	13.0	3.8
15	-9	1.16	12.4	3.6
10	-12	1.12	10.8	3.2
5	-15	1.05	9.7	2.8
0	-18	.98	8.5	2.5
-5	-21	.91	7.4	2.2
-10	-23	.85	6.2	1.8
-15	-26	.78	5.0	1.5
-20	-29	.71	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CBX32M-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.3	5.4	.81	.72	.85	.98	17.3	5.1	.97	.74	.87	1.00	16.2	4.7	1.15	.76	.90	1.00	15.1	4.4	1.36	.78	.94	1.00
	560	265	19.3	5.7	.82	.76	.91	1.00	18.2	5.3	.98	.78	.94	1.00	17.1	5.0	1.16	.80	.97	1.00	15.9	4.7	1.36	.83	1.00	1.00
	660	310	20.2	5.9	.83	.80	.96	1.00	19.0	5.6	.98	.82	.99	1.00	17.9	5.2	1.16	.85	1.00	1.00	16.8	4.9	1.37	.89	1.00	1.00
67°F (19°C)	460	215	19.6	5.7	.82	.57	.69	.81	18.6	5.5	.98	.58	.71	.83	17.5	5.1	1.16	.59	.73	.86	16.2	4.7	1.36	.61	.75	.89
	560	265	20.8	6.1	.83	.59	.73	.87	19.6	5.7	.99	.61	.75	.89	18.3	5.4	1.16	.62	.77	.93	17.1	5.0	1.37	.64	.80	.96
	660	310	21.6	6.3	.84	.62	.77	.92	20.4	6.0	.99	.63	.79	.95	19.1	5.6	1.17	.65	.82	.98	17.7	5.2	1.37	.67	.85	1.00
71°F (22°C)	460	215	20.8	6.1	.83	.44	.55	.66	19.8	5.8	.99	.44	.56	.68	18.7	5.5	1.16	.45	.57	.70	17.4	5.1	1.37	.45	.59	.72
	560	265	22.2	6.5	.84	.45	.58	.70	20.8	6.1	.99	.45	.59	.72	19.7	5.8	1.17	.46	.60	.74	18.3	5.4	1.37	.46	.62	.77
	660	310	23.0	6.7	.84	.46	.60	.74	21.8	6.4	1.00	.46	.62	.76	20.4	6.0	1.17	.47	.63	.79	19.0	5.6	1.38	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-024 with [CBX32M-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.2	6.8	1.39	.73	.86	.99	21.8	6.4	1.61	.75	.89	1.00	20.4	6.0	1.85	.77	.92	1.00	18.9	5.5	2.13	.80	.96	1.00
	800	380	24.6	7.2	1.40	.79	.96	1.00	23.2	6.8	1.62	.82	.98	1.00	21.8	6.4	1.87	.85	1.00	1.00	20.4	6.0	2.15	.88	1.00	1.00
	1000	470	25.8	7.6	1.41	.86	1.00	1.00	24.6	7.2	1.64	.89	1.00	1.00	23.2	6.8	1.88	.92	1.00	1.00	21.6	6.3	2.17	.97	1.00	1.00
67°F (19°C)	600	285	24.6	7.2	1.40	.58	.70	.83	23.2	6.8	1.62	.59	.72	.85	21.8	6.4	1.87	.60	.74	.88	20.2	5.9	2.15	.62	.77	.92
	800	380	26.2	7.7	1.42	.62	.77	.92	24.6	7.2	1.64	.63	.79	.95	23.0	6.7	1.88	.65	.82	.98	21.4	6.3	2.16	.67	.86	1.00
	1000	470	27.2	8.0	1.43	.66	.84	.99	25.6	7.5	1.65	.67	.86	1.00	23.8	7.0	1.89	.69	.90	1.00	22.0	6.4	2.17	.72	.94	1.00
71°F (22°C)	600	285	26.0	7.6	1.41	.44	.56	.68	24.6	7.2	1.63	.44	.57	.70	23.0	6.7	1.88	.45	.58	.72	21.4	6.3	2.16	.46	.60	.74
	800	380	27.8	8.1	1.43	.46	.60	.74	26.2	7.7	1.65	.46	.62	.77	24.4	7.2	1.90	.47	.63	.79	22.6	6.6	2.18	.48	.66	.83
	1000	470	29.0	8.5	1.44	.47	.64	.81	27.2	8.0	1.66	.48	.66	.84	25.4	7.4	1.91	.49	.68	.87	23.4	6.9	2.19	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CBX32M-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.5	6.3	1.43	19.9	5.8	1.38	18.3	5.4	1.33	16.7	4.9	1.27
560	265	22.1	6.5	1.31	20.5	6.0	1.26	18.9	5.5	1.20	17.4	5.1	1.15
660	310	22.8	6.7	1.23	21.3	6.2	1.17	19.7	5.8	1.12	18.1	5.3	1.06

SECOND STAGE HEATING CAPACITY - XP19-024 with [CBX32M-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	27.5	8.1	1.82	20.6	6.0	1.61	13.2	3.9	1.40	9.4	2.8	1.22	4.6	1.3	.94
800	380	28.1	8.2	1.66	21.2	6.2	1.46	13.9	4.1	1.24	10.1	3.0	1.06	5.2	1.5	.79
1000	470	29.0	8.5	1.58	22.1	6.5	1.37	14.7	4.3	1.16	10.9	3.2	.97	6.1	1.8	.70

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
XP19-024 with [CBX32M-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.66	28.1	8.2
60	16	1.61	26.6	7.8
55	13	1.57	25.1	7.4
50	10	1.52	23.5	6.9
47	8	1.49	22.6	6.6
45	7	1.46	21.2	6.2
40	4	1.38	17.8	5.2
35	2	1.30	14.4	4.2
30	-1	1.27	14.1	4.1
25	-4	1.24	13.9	4.1
20	-7	1.21	13.6	4.0
17	-8	1.19	13.4	3.9
15	-9	1.17	12.8	3.8
10	-12	1.13	11.3	3.3
5	-15	1.06	10.1	3.0
0	-18	.99	8.9	2.6
-5	-21	.92	7.7	2.3
-10	-23	.85	6.4	1.9
-15	-26	.79	5.2	1.5
-20	-29	.72	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CBX32M-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.85	.98	17.4	5.1	.97	.74	.87	1.00	16.3	4.8	1.15	.76	.90	1.00	15.1	4.4	1.36	.78	.94	1.00
	560	265	19.4	5.7	.82	.76	.91	1.00	18.3	5.4	.98	.78	.94	1.00	17.2	5.0	1.16	.80	.97	1.00	15.9	4.7	1.36	.84	1.00	1.00
	660	310	20.2	5.9	.83	.80	.96	1.00	19.1	5.6	.98	.82	.99	1.00	18.0	5.3	1.16	.85	1.00	1.00	16.9	5.0	1.37	.89	1.00	1.00
67°F (19°C)	460	215	19.7	5.8	.82	.57	.69	.81	18.6	5.5	.98	.58	.71	.83	17.5	5.1	1.16	.59	.73	.86	16.3	4.8	1.36	.61	.75	.89
	560	265	20.8	6.1	.83	.59	.73	.87	19.7	5.8	.99	.61	.75	.89	18.4	5.4	1.16	.62	.77	.93	17.1	5.0	1.37	.64	.80	.96
	660	310	21.6	6.3	.84	.62	.77	.92	20.4	6.0	.99	.63	.79	.95	19.2	5.6	1.17	.65	.82	.98	17.8	5.2	1.37	.67	.86	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.55	.67	19.9	5.8	.99	.44	.56	.68	18.7	5.5	1.16	.44	.57	.70	17.5	5.1	1.37	.45	.59	.72
	560	265	22.2	6.5	.84	.45	.58	.70	21.0	6.2	.99	.45	.59	.72	19.7	5.8	1.17	.46	.60	.75	18.3	5.4	1.37	.46	.62	.77
	660	310	23.2	6.8	.85	.46	.60	.74	21.8	6.4	1.00	.46	.62	.77	20.4	6.0	1.18	.47	.63	.79	19.1	5.6	1.38	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-024 with [CBX32M-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.2	6.8	1.39	.73	.86	.99	21.8	6.4	1.61	.75	.89	1.00	20.4	6.0	1.85	.77	.92	1.00	18.9	5.5	2.13	.80	.96	1.00
	800	380	24.8	7.3	1.40	.80	.96	1.00	23.4	6.9	1.62	.82	.98	1.00	21.8	6.4	1.87	.85	1.00	1.00	20.4	6.0	2.15	.89	1.00	1.00
	1000	470	26.0	7.6	1.41	.86	1.00	1.00	24.8	7.3	1.64	.89	1.00	1.00	23.2	6.8	1.89	.93	1.00	1.00	21.8	6.4	2.17	.97	1.00	1.00
67°F (19°C)	600	285	24.6	7.2	1.40	.58	.71	.83	23.4	6.9	1.62	.59	.72	.85	21.8	6.4	1.87	.60	.74	.88	20.2	5.9	2.15	.62	.77	.92
	800	380	26.4	7.7	1.42	.62	.77	.92	24.8	7.3	1.64	.63	.79	.95	23.2	6.8	1.88	.65	.82	.99	21.4	6.3	2.16	.67	.86	1.00
	1000	470	27.4	8.0	1.43	.66	.84	1.00	25.8	7.6	1.65	.68	.87	1.00	24.0	7.0	1.89	.70	.90	1.00	22.2	6.5	2.17	.72	.95	1.00
71°F (22°C)	600	285	26.2	7.7	1.41	.44	.56	.68	24.6	7.2	1.64	.44	.57	.70	23.2	6.8	1.88	.45	.58	.72	21.4	6.3	2.16	.46	.60	.74
	800	380	27.8	8.1	1.43	.46	.60	.75	26.2	7.7	1.65	.46	.62	.77	24.6	7.2	1.90	.47	.64	.80	22.8	6.7	2.18	.48	.66	.83
	1000	470	29.0	8.5	1.44	.47	.65	.81	27.2	8.0	1.67	.48	.66	.84	25.6	7.5	1.91	.49	.69	.88	23.6	6.9	2.19	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CBX32M-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.6	6.3	1.42	20.0	5.9	1.37	18.4	5.4	1.31	16.8	4.9	1.26
560	265	22.3	6.5	1.30	20.7	6.1	1.24	19.1	5.6	1.19	17.5	5.1	1.14
660	310	22.9	6.7	1.21	21.3	6.2	1.16	19.7	5.8	1.10	18.1	5.3	1.05

SECOND STAGE HEATING CAPACITY - XP19-024 with [CBX32M-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	27.6	8.1	1.80	20.7	6.1	1.60	13.3	3.9	1.39	9.5	2.8	1.21	4.6	1.3	.94
800	380	28.3	8.3	1.64	21.4	6.3	1.44	14.0	4.1	1.23	10.2	3.0	1.05	5.3	1.6	.78
1000	470	29.1	8.5	1.55	22.1	6.5	1.35	14.7	4.3	1.14	10.9	3.2	.96	6.0	1.8	.69

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
XP19-024 with [CBX32M-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.64	28.3	8.3
60	16	1.59	26.8	7.9
55	13	1.55	25.2	7.4
50	10	1.50	23.7	6.9
47	8	1.47	22.8	6.7
45	7	1.44	21.4	6.3
40	4	1.36	18.0	5.3
35	2	1.29	14.5	4.2
30	-1	1.26	14.3	4.2
25	-4	1.23	14.0	4.1
20	-7	1.20	13.7	4.0
17	-8	1.18	13.6	4.0
15	-9	1.16	12.9	3.8
10	-12	1.12	11.4	3.3
5	-15	1.05	10.2	3.0
0	-18	.98	9.0	2.6
-5	-21	.91	7.7	2.3
-10	-23	.85	6.5	1.9
-15	-26	.78	5.3	1.6
-20	-29	.71	4.1	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CBX32MV-024/030] [CBX40UHV-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	450	210	18.1	5.3	.81	.72	.85	.97	17.2	5.0	.97	.73	.87	.99	16.1	4.7	1.15	.75	.89	1.00	15.0	4.4	1.36	.78	.93	1.00
	550	260	19.2	5.6	.82	.76	.90	1.00	18.1	5.3	.98	.78	.93	1.00	17.0	5.0	1.16	.80	.96	1.00	15.8	4.6	1.36	.83	.99	1.00
	650	305	20.0	5.9	.83	.80	.96	1.00	18.9	5.5	.98	.82	.98	1.00	17.8	5.2	1.16	.85	1.00	1.00	16.7	4.9	1.36	.88	1.00	1.00
67°F (19°C)	450	210	19.5	5.7	.82	.57	.69	.81	18.4	5.4	.98	.58	.70	.83	17.3	5.1	1.16	.59	.72	.85	16.2	4.7	1.36	.60	.75	.88
	550	260	20.6	6.0	.83	.59	.73	.86	19.5	5.7	.99	.60	.75	.89	18.3	5.4	1.16	.62	.77	.92	17.0	5.0	1.37	.63	.80	.96
	650	305	21.6	6.3	.84	.62	.77	.92	20.2	5.9	.99	.63	.79	.95	19.0	5.6	1.17	.64	.82	.98	17.6	5.2	1.37	.66	.85	1.00
71°F (22°C)	450	210	20.8	6.1	.83	.44	.55	.66	19.7	5.8	.99	.44	.56	.68	18.5	5.4	1.16	.44	.57	.69	17.3	5.1	1.37	.45	.58	.71
	550	260	22.0	6.4	.84	.45	.57	.70	20.8	6.1	.99	.45	.59	.72	19.5	5.7	1.17	.45	.60	.74	18.2	5.3	1.37	.46	.62	.77
	650	305	23.0	6.7	.84	.46	.60	.74	21.6	6.3	1.00	.46	.61	.76	20.4	6.0	1.17	.47	.63	.79	18.9	5.5	1.38	.47	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-024 with [CBX32MV-024/030] [CBX40UHV-030]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	530	250	22.4	6.6	1.38	.71	.83	.95	21.2	6.2	1.60	.72	.85	.98	19.8	5.8	1.85	.74	.88	1.00	18.3	5.4	2.12	.77	.92	1.00
	730	345	24.2	7.1	1.40	.77	.92	1.00	22.8	6.7	1.62	.79	.95	1.00	21.2	6.2	1.86	.82	.99	1.00	19.8	5.8	2.14	.85	1.00	1.00
	930	440	25.4	7.4	1.41	.84	1.00	1.00	24.0	7.0	1.63	.86	1.00	1.00	22.6	6.6	1.88	.90	1.00	1.00	21.2	6.2	2.16	.94	1.00	1.00
67°F (19°C)	530	250	23.8	7.0	1.39	.57	.68	.79	22.4	6.6	1.61	.57	.70	.82	21.0	6.2	1.86	.58	.71	.84	19.6	5.7	2.14	.60	.74	.88
	730	345	25.8	7.6	1.41	.60	.75	.89	24.2	7.1	1.63	.62	.77	.92	22.6	6.6	1.88	.63	.79	.95	21.0	6.2	2.16	.65	.83	.99
	930	440	27.0	7.9	1.42	.64	.81	.97	25.4	7.4	1.64	.66	.84	1.00	23.6	6.9	1.89	.68	.87	1.00	21.8	6.4	2.17	.70	.91	1.00
71°F (22°C)	530	250	25.2	7.4	1.40	.44	.55	.66	23.8	7.0	1.63	.44	.56	.67	22.4	6.6	1.88	.44	.57	.69	20.8	6.1	2.16	.45	.58	.71
	730	345	27.2	8.0	1.43	.45	.59	.72	25.6	7.5	1.65	.46	.60	.74	24.0	7.0	1.90	.46	.62	.77	22.2	6.5	2.17	.47	.64	.80
	930	440	28.6	8.4	1.44	.47	.63	.79	26.8	7.9	1.66	.47	.65	.81	25.2	7.4	1.91	.48	.67	.85	23.2	6.8	2.19	.49	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-024 with [CBX32MV-024/030] [CBX40UHV-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
450	210	21.4	6.3	1.45	19.8	5.8	1.39	18.2	5.3	1.34	16.7	4.9	1.28
550	260	21.7	6.4	1.32	20.2	5.9	1.27	18.6	5.5	1.21	17.0	5.0	1.16
650	305	22.8	6.7	1.24	21.2	6.2	1.18	19.7	5.8	1.13	18.1	5.3	1.07

SECOND STAGE HEATING CAPACITY - XP19-024 with [CBX32MV-024/030] [CBX40UHV-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
530	250	27.0	7.9	1.91	20.2	5.9	1.69	12.9	3.8	1.46	9.2	2.7	1.27	4.6	1.3	.99
730	345	27.4	8.0	1.72	20.6	6.0	1.50	13.4	3.9	1.27	9.7	2.8	1.08	5.0	1.5	.80
930	440	28.7	8.4	1.62	21.9	6.4	1.39	14.7	4.3	1.17	11.0	3.2	.97	6.3	1.8	.70

HEATING PERFORMANCE at 730 cfm (345 L/s) Indoor Coil Air Volume
XP19-024 with [CBX32MV-024/030] [CBX40UHV-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.72	27.4	8.0
60	16	1.67	25.9	7.6
55	13	1.61	24.4	7.2
50	10	1.56	22.9	6.7
47	8	1.53	22.0	6.4
45	7	1.50	20.6	6.0
40	4	1.42	17.3	5.1
35	2	1.34	13.9	4.1
30	-1	1.30	13.7	4.0
25	-4	1.27	13.4	3.9
20	-7	1.24	13.1	3.8
17	-8	1.22	12.9	3.8
15	-9	1.20	12.3	3.6
10	-12	1.15	10.8	3.2
5	-15	1.08	9.7	2.8
0	-18	1.01	8.5	2.5
-5	-21	.94	7.3	2.1
-10	-23	.87	6.2	1.8
-15	-26	.80	5.0	1.5
-20	-29	.73	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CBX32MV-036] [CBX40UHV-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	530	250	19.1	5.6	.82	.75	.89	1.00	18.0	5.3	.98	.77	.92	1.00	16.9	5.0	1.15	.79	.95	1.00	15.7	4.6	1.36	.82	.99	1.00
	630	295	20.0	5.9	.83	.79	.95	1.00	18.8	5.5	.98	.81	.98	1.00	17.7	5.2	1.16	.84	1.00	1.00	16.6	4.9	1.37	.87	1.00	1.00
	730	345	20.8	6.1	.83	.83	.99	1.00	19.7	5.8	.99	.85	1.00	1.00	18.6	5.5	1.16	.89	1.00	1.00	17.4	5.1	1.37	.92	1.00	1.00
67°F (19°C)	530	250	20.4	6.0	.83	.59	.72	.85	19.4	5.7	.99	.60	.74	.88	18.2	5.3	1.16	.61	.76	.91	16.9	5.0	1.37	.63	.79	.95
	630	295	21.4	6.3	.83	.61	.76	.91	20.2	5.9	.99	.62	.78	.94	19.0	5.6	1.17	.64	.81	.97	17.6	5.2	1.37	.66	.84	1.00
	730	345	22.2	6.5	.84	.63	.80	.96	21.0	6.2	.99	.65	.82	.99	19.5	5.7	1.17	.67	.86	1.00	18.1	5.3	1.37	.69	.89	1.00
71°F (22°C)	530	250	21.8	6.4	.84	.44	.57	.69	20.6	6.0	.99	.45	.58	.71	19.4	5.7	1.17	.45	.59	.73	18.1	5.3	1.37	.46	.61	.76
	630	295	22.8	6.7	.84	.45	.59	.73	21.6	6.3	1.00	.46	.61	.75	20.2	5.9	1.17	.46	.62	.78	18.9	5.5	1.38	.47	.64	.81
	730	345	23.6	6.9	.85	.46	.62	.77	22.4	6.6	1.00	.47	.63	.80	21.0	6.2	1.18	.48	.65	.82	19.4	5.7	1.38	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-024 with [CBX32MV-036] [CBX40UHV-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	700	330	24.0	7.0	1.39	.76	.91	1.00	22.6	6.6	1.62	.78	.94	1.00	21.2	6.2	1.86	.81	.98	1.00	19.6	5.7	2.14	.84	1.00	1.00
	900	425	25.4	7.4	1.41	.83	.99	1.00	24.0	7.0	1.63	.86	1.00	1.00	22.6	6.6	1.88	.89	1.00	1.00	21.2	6.2	2.16	.93	1.00	1.00
	1100	520	26.8	7.9	1.42	.90	1.00	1.00	25.4	7.4	1.64	.93	1.00	1.00	24.0	7.0	1.89	.97	1.00	1.00	22.2	6.5	2.17	1.00	1.00	1.00
67°F (19°C)	700	330	25.6	7.5	1.41	.60	.74	.88	24.2	7.1	1.63	.61	.76	.90	22.6	6.6	1.88	.62	.78	.94	20.8	6.1	2.16	.64	.82	.98
	900	425	27.0	7.9	1.42	.64	.80	.97	25.4	7.4	1.64	.65	.83	.99	23.6	6.9	1.89	.67	.86	1.00	21.8	6.4	2.17	.70	.90	1.00
	1100	520	27.8	8.1	1.43	.68	.87	1.00	26.2	7.7	1.65	.70	.90	1.00	24.2	7.1	1.90	.72	.94	1.00	22.4	6.6	2.18	.75	.98	1.00
71°F (22°C)	700	330	27.0	7.9	1.42	.45	.58	.71	25.6	7.5	1.65	.45	.60	.73	24.0	7.0	1.89	.46	.61	.76	22.2	6.5	2.17	.47	.63	.79
	900	425	28.6	8.4	1.44	.46	.62	.78	26.8	7.9	1.66	.47	.64	.81	25.2	7.4	1.91	.48	.66	.84	23.2	6.8	2.19	.49	.69	.88
	1100	520	29.6	8.7	1.45	.48	.67	.85	27.6	8.1	1.67	.49	.69	.88	25.8	7.6	1.92	.50	.71	.92	24.0	7.0	2.20	.51	.74	.96

FIRST STAGE HEATING CAPACITY - XP19-024 with [CBX32MV-036] [CBX40UHV-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
530	250	22.1	6.5	1.32	20.5	6.0	1.27	18.9	5.5	1.23	17.3	5.1	1.18
630	295	22.2	6.5	1.23	20.6	6.0	1.18	19.0	5.6	1.14	17.3	5.1	1.09
730	345	23.3	6.8	1.16	21.7	6.4	1.12	20.0	5.9	1.07	18.4	5.4	1.03

SECOND STAGE HEATING CAPACITY - XP19-024 with [CBX32MV-036] [CBX40UHV-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
700	330	28.2	8.3	1.70	21.1	6.2	1.51	13.6	4.0	1.31	9.7	2.8	1.14	5.0	1.5	.88
900	425	28.2	8.3	1.58	21.2	6.2	1.39	13.7	4.0	1.20	9.8	2.9	1.03	5.1	1.5	.76
1100	520	29.5	8.6	1.51	22.4	6.6	1.32	14.9	4.4	1.12	11.0	3.2	.95	6.3	1.8	.69

HEATING PERFORMANCE at 900 cfm (425 L/s) Indoor Coil Air Volume
XP19-024 with [CBX32MV-036] [CBX40UHV-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.58	28.2	8.3
60	16	1.54	26.7	7.8
55	13	1.49	25.1	7.4
50	10	1.45	23.5	6.9
47	8	1.42	22.6	6.6
45	7	1.39	21.2	6.2
40	4	1.32	17.7	5.2
35	2	1.25	14.3	4.2
30	-1	1.23	14.0	4.1
25	-4	1.20	13.7	4.0
20	-7	1.17	13.3	3.9
17	-8	1.16	13.1	3.8
15	-9	1.14	12.5	3.7
10	-12	1.10	10.9	3.2
5	-15	1.03	9.8	2.9
0	-18	.96	8.6	2.5
-5	-21	.90	7.4	2.2
-10	-23	.83	6.3	1.8
-15	-26	.76	5.1	1.5
-20	-29	.70	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-31A/B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.84	.97	17.4	5.1	.98	.73	.87	.99	16.3	4.8	1.16	.75	.89	1.00	15.2	4.5	1.37	.78	.93	1.00
	560	265	19.4	5.7	.83	.75	.90	1.00	18.4	5.4	.98	.77	.92	1.00	17.2	5.0	1.16	.80	.96	1.00	16.0	4.7	1.37	.82	.99	1.00
	660	310	20.2	5.9	.83	.79	.95	1.00	19.1	5.6	.99	.81	.98	1.00	18.0	5.3	1.17	.84	1.00	1.00	16.9	5.0	1.38	.87	1.00	1.00
67°F (19°C)	460	215	19.7	5.8	.83	.57	.69	.80	18.7	5.5	.99	.58	.70	.82	17.6	5.2	1.16	.59	.72	.85	16.4	4.8	1.37	.60	.74	.88
	560	265	20.8	6.1	.83	.59	.72	.86	19.8	5.8	.99	.60	.74	.88	18.6	5.5	1.17	.61	.76	.91	17.2	5.0	1.38	.63	.79	.95
	660	310	21.8	6.4	.84	.61	.76	.91	20.6	6.0	1.00	.62	.78	.94	19.3	5.7	1.17	.64	.81	.97	17.9	5.2	1.38	.66	.84	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.55	.66	20.0	5.9	.99	.44	.56	.67	18.8	5.5	1.17	.44	.57	.69	17.6	5.2	1.38	.45	.58	.71
	560	265	22.2	6.5	.84	.45	.57	.70	21.2	6.2	1.00	.45	.58	.71	19.9	5.8	1.18	.45	.60	.73	18.6	5.5	1.38	.46	.61	.76
	660	310	23.2	6.8	.85	.45	.60	.74	22.0	6.4	1.00	.46	.61	.75	20.6	6.0	1.18	.46	.62	.78	19.2	5.6	1.39	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-31A/B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.39	.72	.85	.98	22.0	6.4	1.62	.74	.88	1.00	20.6	6.0	1.87	.76	.91	1.00	19.0	5.6	2.16	.79	.95	1.00
	800	380	25.0	7.3	1.41	.78	.94	1.00	23.4	6.9	1.63	.81	.97	1.00	22.0	6.4	1.88	.83	1.00	1.00	20.4	6.0	2.17	.87	1.00	1.00
	1000	470	26.2	7.7	1.42	.84	1.00	1.00	24.8	7.3	1.64	.87	1.00	1.00	23.4	6.9	1.90	.91	1.00	1.00	21.8	6.4	2.18	.95	1.00	1.00
67°F (19°C)	600	285	24.8	7.3	1.41	.57	.70	.82	23.4	6.9	1.63	.58	.71	.84	22.0	6.4	1.88	.60	.73	.87	20.4	6.0	2.17	.61	.76	.90
	800	380	26.6	7.8	1.42	.61	.76	.90	25.2	7.4	1.65	.62	.78	.93	23.4	6.9	1.90	.64	.81	.97	21.6	6.3	2.18	.66	.84	1.00
	1000	470	27.8	8.1	1.43	.65	.82	.98	26.0	7.6	1.66	.66	.85	1.00	24.4	7.2	1.91	.68	.88	1.00	22.4	6.6	2.20	.71	.92	1.00
71°F (22°C)	600	285	26.4	7.7	1.42	.44	.56	.67	25.0	7.3	1.65	.44	.57	.69	23.4	6.9	1.90	.45	.58	.71	21.6	6.3	2.18	.45	.59	.73
	800	380	28.2	8.3	1.44	.45	.59	.73	26.6	7.8	1.66	.46	.61	.75	25.0	7.3	1.91	.47	.63	.78	23.0	6.7	2.20	.47	.65	.81
	1000	470	29.4	8.6	1.45	.47	.63	.79	27.6	8.1	1.67	.48	.65	.82	25.8	7.6	1.93	.48	.67	.85	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-31A/B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.0	6.2	1.59	19.5	5.7	1.53	17.9	5.2	1.48	16.4	4.8	1.42
560	265	21.7	6.4	1.44	20.2	5.9	1.38	18.7	5.5	1.32	17.1	5.0	1.27
660	310	22.4	6.6	1.34	20.8	6.1	1.29	19.3	5.7	1.23	17.7	5.2	1.18

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-31A/B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.7	7.8	1.99	20.0	5.9	1.76	12.9	3.8	1.53	9.2	2.7	1.34	4.3	1.3	1.04
800	380	27.6	8.1	1.80	20.9	6.1	1.58	13.8	4.0	1.34	10.1	3.0	1.15	5.2	1.5	.85
1000	470	28.3	8.3	1.70	21.6	6.3	1.47	14.5	4.2	1.24	10.8	3.2	1.05	5.9	1.7	.75

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP19-024 with [CX34-31A/B-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.80	27.6	8.1
60	16	1.75	26.1	7.6
55	13	1.70	24.7	7.2
50	10	1.64	23.2	6.8
47	8	1.61	22.3	6.5
45	7	1.58	20.9	6.1
40	4	1.49	17.6	5.2
35	2	1.40	14.2	4.2
30	-1	1.37	14.0	4.1
25	-4	1.34	13.8	4.0
20	-7	1.32	13.5	4.0
17	-8	1.30	13.4	3.9
15	-9	1.28	12.8	3.8
10	-12	1.23	11.3	3.3
5	-15	1.15	10.1	3.0
0	-18	1.08	8.9	2.6
-5	-21	1.00	7.7	2.3
-10	-23	.93	6.5	1.9
-15	-26	.85	5.2	1.5
-20	-29	.78	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-38A/B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.85	.97	17.4	5.1	.97	.74	.87	1.00	16.3	4.8	1.15	.75	.90	1.00	15.1	4.4	1.36	.78	.93	1.00
	560	265	19.4	5.7	.82	.76	.91	1.00	18.3	5.4	.98	.78	.93	1.00	17.2	5.0	1.16	.80	.96	1.00	16.0	4.7	1.36	.83	1.00	1.00
	660	310	20.2	5.9	.83	.80	.96	1.00	19.1	5.6	.98	.82	.99	1.00	18.0	5.3	1.16	.85	1.00	1.00	16.9	5.0	1.37	.88	1.00	1.00
67°F (19°C)	460	215	19.7	5.8	.82	.57	.69	.81	18.7	5.5	.98	.58	.71	.83	17.6	5.2	1.16	.59	.72	.86	16.4	4.8	1.36	.60	.75	.89
	560	265	20.8	6.1	.83	.59	.73	.86	19.7	5.8	.99	.60	.75	.89	18.5	5.4	1.16	.62	.77	.92	17.2	5.0	1.37	.63	.80	.96
	660	310	21.8	6.4	.84	.62	.77	.92	20.6	6.0	.99	.63	.79	.95	19.2	5.6	1.17	.64	.82	.98	17.8	5.2	1.37	.67	.85	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.55	.67	20.0	5.9	.99	.44	.56	.68	18.8	5.5	1.16	.44	.57	.69	17.5	5.1	1.37	.45	.59	.72
	560	265	22.2	6.5	.84	.45	.58	.70	21.0	6.2	.99	.45	.59	.72	19.8	5.8	1.17	.46	.60	.74	18.4	5.4	1.37	.46	.62	.77
	660	310	23.2	6.8	.85	.46	.60	.74	22.0	6.4	1.00	.46	.61	.76	20.6	6.0	1.18	.47	.63	.79	19.2	5.6	1.38	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-38A/B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.39	.73	.86	.99	22.0	6.4	1.61	.74	.88	1.00	20.6	6.0	1.85	.76	.91	1.00	19.0	5.6	2.14	.79	.95	1.00
	800	380	25.0	7.3	1.40	.79	.95	1.00	23.4	6.9	1.62	.81	.98	1.00	22.0	6.4	1.87	.84	1.00	1.00	20.6	6.0	2.15	.88	1.00	1.00
	1000	470	26.2	7.7	1.42	.85	1.00	1.00	24.8	7.3	1.64	.88	1.00	1.00	23.4	6.9	1.89	.92	1.00	1.00	21.8	6.4	2.17	.96	1.00	1.00
67°F (19°C)	600	285	24.8	7.3	1.40	.58	.70	.82	23.4	6.9	1.62	.59	.72	.85	22.0	6.4	1.87	.60	.74	.87	20.4	6.0	2.15	.61	.76	.91
	800	380	26.6	7.8	1.42	.61	.77	.91	25.0	7.3	1.64	.63	.79	.94	23.4	6.9	1.89	.64	.82	.98	21.6	6.3	2.17	.67	.85	1.00
	1000	470	27.6	8.1	1.43	.65	.83	.99	26.0	7.6	1.65	.67	.86	1.00	24.2	7.1	1.90	.69	.89	1.00	22.4	6.6	2.17	.72	.94	1.00
71°F (22°C)	600	285	26.4	7.7	1.42	.44	.56	.68	24.8	7.3	1.64	.44	.57	.69	23.4	6.9	1.89	.45	.58	.71	21.6	6.3	2.17	.45	.60	.74
	800	380	28.2	8.3	1.43	.46	.60	.74	26.6	7.8	1.66	.46	.61	.76	24.8	7.3	1.90	.47	.63	.79	23.0	6.7	2.18	.48	.65	.83
	1000	470	29.4	8.6	1.45	.47	.64	.81	27.6	8.1	1.67	.48	.66	.83	25.8	7.6	1.92	.49	.68	.87	23.8	7.0	2.19	.50	.71	.91

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-38A/B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.0	6.2	1.58	19.5	5.7	1.52	17.9	5.2	1.46	16.4	4.8	1.41
560	265	21.8	6.4	1.43	20.2	5.9	1.38	18.7	5.5	1.32	17.1	5.0	1.26
660	310	22.4	6.6	1.33	20.9	6.1	1.27	19.3	5.7	1.22	17.8	5.2	1.16

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-38A/B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.8	7.9	1.97	20.1	5.9	1.75	12.9	3.8	1.52	9.2	2.7	1.33	4.3	1.3	1.04
800	380	27.7	8.1	1.79	21.0	6.2	1.57	13.8	4.0	1.34	10.1	3.0	1.15	5.2	1.5	.85
1000	470	28.4	8.3	1.68	21.7	6.4	1.46	14.5	4.2	1.23	10.8	3.2	1.04	5.9	1.7	.75

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-38A/B-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.79	27.7	8.1
60	16	1.74	26.2	7.7
55	13	1.69	24.7	7.2
50	10	1.63	23.2	6.8
47	8	1.60	22.3	6.5
45	7	1.57	21.0	6.2
40	4	1.48	17.6	5.2
35	2	1.39	14.3	4.2
30	-1	1.36	14.0	4.1
25	-4	1.34	13.8	4.0
20	-7	1.31	13.5	4.0
17	-8	1.30	13.4	3.9
15	-9	1.28	12.8	3.8
10	-12	1.23	11.3	3.3
5	-15	1.15	10.1	3.0
0	-18	1.08	8.9	2.6
-5	-21	1.00	7.7	2.3
-10	-23	.93	6.5	1.9
-15	-26	.85	5.2	1.5
-20	-29	.78	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-31A-6F + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	630	295	20.0	5.9	.83	.78	.93	1.00	18.9	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.83	.99	1.00	16.6	4.9	1.37	.86	1.00	1.00
	745	350	20.8	6.1	.83	.82	.99	1.00	19.7	5.8	.99	.85	1.00	1.00	18.7	5.5	1.17	.88	1.00	1.00	17.6	5.2	1.38	.91	1.00	1.00
67°F (19°C)	630	295	21.6	6.3	.84	.61	.75	.89	20.4	6.0	.99	.62	.77	.92	19.1	5.6	1.17	.63	.80	.96	17.7	5.2	1.38	.65	.83	.99
	745	350	22.4	6.6	.84	.63	.79	.95	21.2	6.2	1.00	.64	.82	.98	19.8	5.8	1.18	.66	.85	1.00	18.3	5.4	1.38	.68	.88	1.00
71°F (22°C)	630	295	23.0	6.7	.85	.45	.59	.73	21.8	6.4	1.00	.46	.60	.74	20.4	6.0	1.18	.46	.62	.76	19.0	5.6	1.38	.47	.63	.79
	745	350	23.8	7.0	.85	.46	.62	.76	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.47	.65	.81	19.7	5.8	1.39	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-31A-6F + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	830	390	25.2	7.4	1.41	.79	.95	1.00	23.6	6.9	1.63	.82	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00	20.6	6.0	2.18	.88	1.00	1.00
	1040	490	26.4	7.7	1.42	.86	1.00	1.00	25.0	7.3	1.65	.88	1.00	1.00	23.6	6.9	1.90	.92	1.00	1.00	22.0	6.4	2.18	.96	1.00	1.00
67°F (19°C)	830	390	26.8	7.9	1.43	.61	.77	.92	25.2	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.65	.82	.98	21.8	6.4	2.19	.67	.85	1.00
	1040	490	28.0	8.2	1.44	.65	.83	.99	26.2	7.7	1.66	.67	.86	1.00	24.4	7.2	1.91	.69	.89	1.00	22.6	6.6	2.20	.72	.94	1.00
71°F (22°C)	830	390	28.4	8.3	1.44	.46	.60	.74	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.79	23.2	6.8	2.20	.48	.65	.83
	1040	490	29.6	8.7	1.45	.47	.64	.81	27.8	8.1	1.68	.48	.66	.83	26.0	7.6	1.93	.49	.68	.87	24.0	7.0	2.21	.50	.71	.91

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-31A-6F + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
630	295	21.7	6.4	1.37	20.1	5.9	1.32	18.5	5.4	1.26	16.9	5.0	1.21
745	350	22.2	6.5	1.28	20.6	6.0	1.23	19.1	5.6	1.18	17.5	5.1	1.13

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-31A-6F + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	27.3	8.0	1.79	20.6	6.0	1.56	13.4	3.9	1.33	9.7	2.8	1.14	5.1	1.5	.85
1040	490	27.9	8.2	1.68	21.2	6.2	1.46	14.0	4.1	1.22	10.4	3.0	1.03	5.7	1.7	.74

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-31A-6F + G60UHV-36A-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.79	27.3	8.0
60	16	1.73	25.8	7.6
55	13	1.68	24.3	7.1
50	10	1.63	22.8	6.7
47	8	1.60	21.9	6.4
45	7	1.56	20.6	6.0
40	4	1.47	17.3	5.1
35	2	1.38	13.9	4.1
30	-1	1.36	13.7	4.0
25	-4	1.33	13.4	3.9
20	-7	1.30	13.1	3.8
17	-8	1.29	13.0	3.8
15	-9	1.27	12.4	3.6
10	-12	1.22	10.9	3.2
5	-15	1.14	9.7	2.8
0	-18	1.07	8.6	2.5
-5	-21	1.00	7.4	2.2
-10	-23	.92	6.2	1.8
-15	-26	.85	5.1	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	625	295	20.0	5.9	.83	.78	.93	1.00	18.9	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.82	.99	1.00	16.5	4.8	1.37	.86	1.00	1.00
	740	350	20.8	6.1	.83	.82	.99	1.00	19.7	5.8	.99	.85	1.00	1.00	18.6	5.5	1.17	.88	1.00	1.00	17.5	5.1	1.38	.91	1.00	1.00
67°F (19°C)	625	295	21.4	6.3	.84	.60	.75	.89	20.4	6.0	.99	.62	.77	.92	19.0	5.6	1.17	.63	.79	.95	17.7	5.2	1.38	.65	.82	.99
	740	350	22.4	6.6	.84	.63	.79	.95	21.2	6.2	1.00	.64	.81	.98	19.8	5.8	1.18	.66	.84	1.00	18.3	5.4	1.38	.68	.88	1.00
71°F (22°C)	625	295	23.0	6.7	.85	.45	.59	.72	21.8	6.4	1.00	.46	.60	.74	20.4	6.0	1.18	.46	.61	.76	19.0	5.6	1.39	.47	.63	.79
	740	350	23.8	7.0	.85	.46	.61	.76	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.47	.65	.81	19.7	5.8	1.39	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	825	390	25.2	7.4	1.41	.79	.95	1.00	23.6	6.9	1.63	.81	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00	20.6	6.0	2.17	.88	1.00	1.00
	1035	490	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.65	.88	1.00	1.00	23.6	6.9	1.90	.92	1.00	1.00	22.0	6.4	2.19	.96	1.00	1.00
67°F (19°C)	825	390	26.8	7.9	1.43	.61	.77	.91	25.2	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.64	.82	.98	21.8	6.4	2.19	.67	.85	1.00
	1035	490	28.0	8.2	1.44	.65	.83	.99	26.2	7.7	1.66	.67	.86	1.00	24.4	7.2	1.91	.69	.89	1.00	22.6	6.6	2.20	.72	.94	1.00
71°F (22°C)	825	390	28.4	8.3	1.44	.46	.60	.74	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.79	23.2	6.8	2.20	.48	.65	.82
	1035	490	29.6	8.7	1.45	.47	.64	.81	27.8	8.1	1.68	.48	.66	.83	26.0	7.6	1.93	.49	.68	.87	24.0	7.0	2.21	.50	.71	.91

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.6	6.3	1.36	20.0	5.9	1.31	18.4	5.4	1.26	16.9	5.0	1.22
740	350	22.2	6.5	1.29	20.6	6.0	1.24	19.0	5.6	1.19	17.4	5.1	1.14

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
825	390	27.2	8.0	1.78	20.5	6.0	1.56	13.3	3.9	1.33	9.7	2.8	1.14	5.0	1.5	.85
1035	490	27.8	8.1	1.68	21.1	6.2	1.46	13.9	4.1	1.23	10.3	3.0	1.04	5.6	1.6	.75

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-31B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.78	27.2	8.0
60	16	1.73	25.7	7.5
55	13	1.68	24.2	7.1
50	10	1.63	22.7	6.7
47	8	1.60	21.8	6.4
45	7	1.56	20.5	6.0
40	4	1.47	17.2	5.0
35	2	1.39	13.8	4.0
30	-1	1.36	13.6	4.0
25	-4	1.33	13.3	3.9
20	-7	1.31	13.1	3.8
17	-8	1.29	12.9	3.8
15	-9	1.27	12.3	3.6
10	-12	1.22	10.8	3.2
5	-15	1.14	9.7	2.8
0	-18	1.07	8.5	2.5
-5	-21	1.00	7.3	2.1
-10	-23	.92	6.2	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	610	290	19.9	5.8	.83	.77	.92	1.00	18.7	5.5	.98	.79	.95	1.00	17.6	5.2	1.17	.82	.99	1.00	16.4	4.8	1.37	.85	1.00	1.00
	725	340	20.8	6.1	.83	.81	.98	1.00	19.5	5.7	.99	.84	1.00	1.00	18.5	5.4	1.17	.87	1.00	1.00	17.4	5.1	1.38	.91	1.00	1.00
67°F (19°C)	610	290	21.4	6.3	.84	.60	.74	.88	20.2	5.9	.99	.61	.76	.91	18.9	5.5	1.17	.63	.79	.94	17.6	5.2	1.38	.64	.82	.98
	725	340	22.2	6.5	.84	.63	.78	.94	21.0	6.2	1.00	.64	.81	.97	19.7	5.8	1.17	.66	.84	1.00	18.2	5.3	1.38	.68	.87	1.00
71°F (22°C)	610	290	22.8	6.7	.85	.45	.59	.72	21.6	6.3	1.00	.45	.60	.73	20.4	6.0	1.18	.46	.61	.76	18.9	5.5	1.39	.47	.63	.78
	725	340	23.8	7.0	.85	.46	.61	.76	22.6	6.6	1.01	.47	.62	.78	21.0	6.2	1.18	.47	.64	.81	19.6	5.7	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	840	395	25.2	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.82	.99	1.00	22.2	6.5	1.88	.85	1.00	1.00	20.8	6.1	2.18	.88	1.00	1.00
	1050	495	26.4	7.7	1.42	.86	1.00	1.00	25.2	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.90	.92	1.00	1.00	22.2	6.5	2.18	.97	1.00	1.00
67°F (19°C)	840	395	26.8	7.9	1.43	.62	.77	.92	25.2	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.65	.82	.99	21.8	6.4	2.19	.67	.86	1.00
	1050	495	28.0	8.2	1.44	.66	.83	1.00	26.2	7.7	1.66	.67	.86	1.00	24.6	7.2	1.91	.69	.90	1.00	22.6	6.6	2.20	.72	.94	1.00
71°F (22°C)	840	395	28.6	8.4	1.44	.46	.60	.74	26.8	7.9	1.67	.46	.62	.77	25.2	7.4	1.92	.47	.63	.80	23.2	6.8	2.20	.48	.66	.83
	1050	495	29.6	8.7	1.45	.47	.64	.81	28.0	8.2	1.68	.48	.66	.84	26.0	7.6	1.93	.49	.68	.87	24.2	7.1	2.21	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
610	290	21.6	6.3	1.39	20.0	5.9	1.33	18.4	5.4	1.28	16.9	5.0	1.23
725	340	22.2	6.5	1.29	20.6	6.0	1.24	19.0	5.6	1.19	17.5	5.1	1.13

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	27.3	8.0	1.78	20.6	6.0	1.56	13.4	3.9	1.33	9.8	2.9	1.14	5.1	1.5	.85
1050	495	28.0	8.2	1.67	21.3	6.2	1.45	14.2	4.2	1.22	10.5	3.1	1.03	5.8	1.7	.74

HEATING PERFORMANCE at 840 cfm (395 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-31B-6F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.78	27.3	8.0
60	16	1.73	25.8	7.6
55	13	1.68	24.4	7.2
50	10	1.62	22.9	6.7
47	8	1.59	22.0	6.4
45	7	1.56	20.6	6.0
40	4	1.47	17.3	5.1
35	2	1.38	14.0	4.1
30	-1	1.35	13.7	4.0
25	-4	1.33	13.4	3.9
20	-7	1.30	13.2	3.9
17	-8	1.29	13.0	3.8
15	-9	1.26	12.4	3.6
10	-12	1.21	10.9	3.2
5	-15	1.14	9.8	2.9
0	-18	1.07	8.6	2.5
-5	-21	.99	7.4	2.2
-10	-23	.92	6.3	1.8
-15	-26	.85	5.1	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	625	295	20.0	5.9	.83	.78	.93	1.00	18.9	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.82	.99	1.00	16.5	4.8	1.37	.86	1.00	1.00
	725	340	20.8	6.1	.83	.81	.98	1.00	19.6	5.7	.99	.84	1.00	1.00	18.5	5.4	1.17	.87	1.00	1.00	17.4	5.1	1.38	.91	1.00	1.00
67°F (19°C)	625	295	21.4	6.3	.84	.60	.75	.89	20.4	6.0	.99	.62	.77	.92	19.0	5.6	1.17	.63	.79	.95	17.7	5.2	1.38	.65	.82	.99
	725	340	22.2	6.5	.84	.63	.78	.94	21.0	6.2	1.00	.64	.81	.97	19.7	5.8	1.17	.66	.84	1.00	18.2	5.3	1.38	.68	.87	1.00
71°F (22°C)	625	295	23.0	6.7	.85	.45	.59	.72	21.8	6.4	1.00	.46	.60	.74	20.4	6.0	1.18	.46	.61	.76	19.0	5.6	1.39	.47	.63	.79
	725	340	23.8	7.0	.85	.46	.61	.76	22.4	6.6	1.01	.47	.63	.78	21.0	6.2	1.18	.47	.64	.81	19.6	5.7	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	830	390	25.2	7.4	1.41	.79	.95	1.00	23.6	6.9	1.63	.82	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00	20.6	6.0	2.18	.88	1.00	1.00
	1020	480	26.2	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.65	.88	1.00	1.00	23.6	6.9	1.90	.91	1.00	1.00	22.0	6.4	2.19	.96	1.00	1.00
67°F (19°C)	830	390	26.8	7.9	1.43	.61	.77	.92	25.2	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.65	.82	.98	21.8	6.4	2.19	.67	.85	1.00
	1020	480	27.8	8.1	1.44	.65	.83	.99	26.2	7.7	1.66	.67	.85	1.00	24.4	7.2	1.91	.69	.89	1.00	22.4	6.6	2.20	.71	.93	1.00
71°F (22°C)	830	390	28.4	8.3	1.44	.46	.60	.74	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.79	23.2	6.8	2.20	.48	.65	.83
	1020	480	29.6	8.7	1.45	.47	.64	.80	27.8	8.1	1.68	.48	.65	.83	26.0	7.6	1.93	.49	.68	.86	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.36	20.1	5.9	1.31	18.5	5.4	1.26	16.9	5.0	1.22
725	345	22.2	6.5	1.29	20.6	6.0	1.24	19.0	5.6	1.19	17.4	5.1	1.14

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-31B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	27.3	8.0	1.79	20.6	6.0	1.56	13.4	3.9	1.33	9.7	2.8	1.14	5.1	1.5	.85
1020	480	27.9	8.2	1.69	21.2	6.2	1.46	14.0	4.1	1.23	10.3	3.0	1.04	5.7	1.7	.75

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-31B-6F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.79	27.3	8.0
60	16	1.73	25.8	7.6
55	13	1.68	24.3	7.1
50	10	1.63	22.8	6.7
47	8	1.60	21.9	6.4
45	7	1.56	20.6	6.0
40	4	1.47	17.3	5.1
35	2	1.38	13.9	4.1
30	-1	1.36	13.7	4.0
25	-4	1.33	13.4	3.9
20	-7	1.30	13.1	3.8
17	-8	1.29	13.0	3.8
15	-9	1.27	12.4	3.6
10	-12	1.22	10.9	3.2
5	-15	1.14	9.7	2.8
0	-18	1.07	8.6	2.5
-5	-21	1.00	7.4	2.2
-10	-23	.92	6.2	1.8
-15	-26	.85	5.1	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-38A-6F + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	630	295	20.0	5.9	.83	.79	.94	1.00	19.0	5.6	.99	.80	.97	1.00	17.8	5.2	1.17	.83	1.00	1.00	16.7	4.9	1.37	.86	1.00	1.00
	745	350	21.0	6.2	.83	.83	.99	1.00	19.9	5.8	.99	.85	1.00	1.00	18.9	5.5	1.17	.88	1.00	1.00	17.8	5.2	1.38	.92	1.00	1.00
67°F (19°C)	630	295	21.6	6.3	.84	.61	.76	.90	20.4	6.0	.99	.62	.78	.93	19.2	5.6	1.17	.63	.80	.96	17.8	5.2	1.38	.65	.83	1.00
	745	350	22.4	6.6	.84	.64	.80	.96	21.2	6.2	1.00	.65	.82	.99	19.8	5.8	1.18	.67	.85	1.00	18.4	5.4	1.38	.69	.89	1.00
71°F (22°C)	630	295	23.0	6.7	.85	.45	.59	.73	21.8	6.4	1.00	.46	.60	.75	20.6	6.0	1.18	.46	.62	.77	19.1	5.6	1.39	.47	.64	.80
	745	350	24.0	7.0	.85	.47	.62	.77	22.6	6.6	1.01	.47	.63	.79	21.4	6.3	1.18	.48	.65	.82	19.8	5.8	1.39	.48	.67	.86

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-38A-6F + G60UHV-36A-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	830	390	25.4	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.82	.99	1.00	22.4	6.6	1.89	.85	1.00	1.00	21.0	6.2	2.17	.89	1.00	1.00
	1040	490	26.6	7.8	1.42	.86	1.00	1.00	25.4	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.90	.93	1.00	1.00	22.2	6.5	2.19	.97	1.00	1.00
67°F (19°C)	830	390	27.0	7.9	1.43	.62	.77	.92	25.4	7.4	1.65	.63	.80	.95	23.6	6.9	1.90	.65	.82	.99	21.8	6.4	2.18	.67	.86	1.00
	1040	490	28.0	8.2	1.44	.66	.84	1.00	26.4	7.7	1.66	.68	.87	1.00	24.6	7.2	1.91	.70	.90	1.00	22.6	6.6	2.20	.72	.95	1.00
71°F (22°C)	830	390	28.6	8.4	1.44	.46	.60	.75	27.0	7.9	1.67	.46	.62	.77	25.2	7.4	1.92	.47	.64	.80	23.4	6.9	2.20	.48	.66	.83
	1040	490	29.8	8.7	1.46	.47	.65	.82	28.0	8.2	1.68	.48	.66	.84	26.2	7.7	1.93	.49	.69	.88	24.2	7.1	2.21	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-38A-6F + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
630	295	21.7	6.4	1.35	20.1	5.9	1.30	18.6	5.5	1.25	17.0	5.0	1.21
745	350	22.3	6.5	1.26	20.7	6.1	1.22	19.1	5.6	1.17	17.5	5.1	1.12

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-38A-6F + G60UHV-36A-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	27.3	8.0	1.77	20.6	6.0	1.56	13.4	3.9	1.33	9.7	2.8	1.14	5.0	1.5	.85
1040	490	27.9	8.2	1.66	21.1	6.2	1.45	13.9	4.1	1.22	10.2	3.0	1.03	5.6	1.6	.74

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-38A-6F + G60UHV-36A-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.77	27.3	8.0
60	16	1.72	25.8	7.6
55	13	1.67	24.3	7.1
50	10	1.62	22.8	6.7
47	8	1.59	21.9	6.4
45	7	1.56	20.6	6.0
40	4	1.47	17.2	5.0
35	2	1.38	13.9	4.1
30	-1	1.35	13.6	4.0
25	-4	1.33	13.4	3.9
20	-7	1.30	13.1	3.8
17	-8	1.29	12.9	3.8
15	-9	1.27	12.3	3.6
10	-12	1.22	10.8	3.2
5	-15	1.14	9.7	2.8
0	-18	1.07	8.5	2.5
-5	-21	1.00	7.3	2.1
-10	-23	.92	6.2	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-38A-6F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	610	290	19.9	5.8	.83	.78	.93	1.00	18.9	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.82	.99	1.00	16.5	4.8	1.37	.85	1.00	1.00
	725	340	20.8	6.1	.83	.82	.99	1.00	19.7	5.8	.99	.84	1.00	1.00	18.7	5.5	1.17	.87	1.00	1.00	17.6	5.2	1.38	.91	1.00	1.00
67°F (19°C)	610	290	21.4	6.3	.84	.60	.75	.89	20.2	5.9	.99	.61	.77	.92	19.0	5.6	1.17	.63	.79	.95	17.7	5.2	1.38	.65	.82	.99
	725	340	22.4	6.6	.84	.63	.79	.95	21.0	6.2	1.00	.64	.81	.98	19.7	5.8	1.18	.66	.84	1.00	18.3	5.4	1.38	.68	.88	1.00
71°F (22°C)	610	290	23.0	6.7	.85	.45	.59	.72	21.8	6.4	1.00	.45	.60	.74	20.4	6.0	1.18	.46	.61	.76	19.0	5.6	1.39	.47	.63	.79
	725	340	23.8	7.0	.85	.46	.62	.76	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.47	.65	.81	19.7	5.8	1.39	.48	.67	.84

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-38A-6F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	840	395	25.4	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.83	.99	1.00	22.4	6.6	1.89	.85	1.00	1.00	21.0	6.2	2.18	.89	1.00	1.00
	1050	495	26.8	7.9	1.43	.87	1.00	1.00	25.4	7.4	1.65	.90	1.00	1.00	24.0	7.0	1.90	.93	1.00	1.00	22.4	6.6	2.19	.98	1.00	1.00
67°F (19°C)	840	395	27.0	7.9	1.43	.62	.78	.93	25.4	7.4	1.65	.63	.80	.96	23.8	7.0	1.90	.65	.83	.99	22.0	6.4	2.18	.67	.87	1.00
	1050	495	28.0	8.2	1.44	.66	.84	1.00	26.4	7.7	1.66	.68	.87	1.00	24.6	7.2	1.91	.70	.91	1.00	22.8	6.7	2.20	.73	.95	1.00
71°F (22°C)	840	395	28.6	8.4	1.44	.46	.61	.75	27.0	7.9	1.67	.46	.62	.77	25.2	7.4	1.92	.47	.64	.80	23.4	6.9	2.20	.48	.66	.84
	1050	495	29.8	8.7	1.46	.48	.65	.82	28.0	8.2	1.68	.48	.67	.85	26.2	7.7	1.93	.49	.69	.88	24.2	7.1	2.21	.50	.72	.93

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-38A-6F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
610	290	21.6	6.3	1.37	20.1	5.9	1.32	18.5	5.4	1.27	16.9	5.0	1.22
725	340	22.2	6.5	1.28	20.7	6.1	1.23	19.1	5.6	1.18	17.5	5.1	1.13

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-38A-6F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	27.3	8.0	1.76	20.6	6.0	1.55	13.4	3.9	1.32	9.7	2.8	1.14	5.0	1.5	.85
1050	495	28.0	8.2	1.65	21.3	6.2	1.44	14.1	4.1	1.22	10.4	3.0	1.03	5.7	1.7	.74

HEATING PERFORMANCE at 840 cfm (395 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-38A-6F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.76	27.3	8.0
60	16	1.71	25.8	7.6
55	13	1.66	24.3	7.1
50	10	1.61	22.8	6.7
47	8	1.58	21.9	6.4
45	7	1.55	20.6	6.0
40	4	1.46	17.3	5.1
35	2	1.37	13.9	4.1
30	-1	1.35	13.7	4.0
25	-4	1.32	13.4	3.9
20	-7	1.30	13.1	3.8
17	-8	1.28	12.9	3.8
15	-9	1.26	12.3	3.6
10	-12	1.21	10.8	3.2
5	-15	1.14	9.7	2.8
0	-18	1.07	8.5	2.5
-5	-21	.99	7.4	2.2
-10	-23	.92	6.2	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-38B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	625	295	20.0	5.9	.83	.78	.94	1.00	19.0	5.6	.99	.80	.96	1.00	17.8	5.2	1.17	.83	1.00	1.00	16.7	4.9	1.38	.86	1.00	1.00
	740	350	21.0	6.2	.83	.83	.99	1.00	19.9	5.8	.99	.85	1.00	1.00	18.8	5.5	1.17	.88	1.00	1.00	17.7	5.2	1.38	.92	1.00	1.00
67°F (19°C)	625	295	21.6	6.3	.84	.61	.75	.90	20.4	6.0	.99	.62	.77	.92	19.1	5.6	1.17	.63	.80	.96	17.8	5.2	1.38	.65	.83	.99
	740	350	22.4	6.6	.84	.64	.80	.95	21.2	6.2	1.00	.65	.82	.98	19.8	5.8	1.18	.66	.85	1.00	18.4	5.4	1.38	.69	.89	1.00
71°F (22°C)	625	295	23.0	6.7	.85	.45	.59	.73	21.8	6.4	1.00	.46	.60	.74	20.6	6.0	1.18	.46	.62	.77	19.1	5.6	1.39	.47	.64	.80
	740	350	24.0	7.0	.85	.47	.62	.77	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.48	.65	.82	19.8	5.8	1.39	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-38B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	825	390	25.4	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.82	.99	1.00	22.4	6.6	1.88	.85	1.00	1.00	20.8	6.1	2.18	.89	1.00	1.00
	1035	490	26.6	7.8	1.42	.86	1.00	1.00	25.4	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.90	.93	1.00	1.00	22.2	6.5	2.19	.97	1.00	1.00
67°F (19°C)	825	390	27.0	7.9	1.43	.62	.77	.92	25.4	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.65	.82	.99	21.8	6.4	2.19	.67	.86	1.00
	1035	490	28.0	8.2	1.44	.66	.84	1.00	26.4	7.7	1.66	.67	.87	1.00	24.6	7.2	1.91	.70	.90	1.00	22.6	6.6	2.20	.72	.95	1.00
71°F (22°C)	825	390	28.6	8.4	1.44	.46	.60	.75	27.0	7.9	1.67	.46	.62	.77	25.2	7.4	1.92	.47	.63	.80	23.4	6.9	2.20	.48	.66	.83
	1035	490	29.8	8.7	1.46	.47	.65	.82	28.0	8.2	1.68	.48	.66	.84	26.2	7.7	1.93	.49	.69	.88	24.2	7.1	2.21	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-38B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.36	20.1	5.9	1.31	18.5	5.4	1.26	16.9	5.0	1.21
740	350	22.2	6.5	1.27	20.6	6.0	1.22	19.0	5.6	1.17	17.4	5.1	1.12

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-38B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
825	390	27.2	8.0	1.78	20.5	6.0	1.56	13.3	3.9	1.33	9.6	2.8	1.14	5.0	1.5	.85
1035	490	27.8	8.1	1.66	21.1	6.2	1.45	13.9	4.1	1.22	10.2	3.0	1.03	5.6	1.6	.74

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-38B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.78	27.2	8.0
60	16	1.73	25.7	7.5
55	13	1.67	24.2	7.1
50	10	1.62	22.7	6.7
47	8	1.59	21.8	6.4
45	7	1.56	20.5	6.0
40	4	1.47	17.2	5.0
35	2	1.38	13.9	4.1
30	-1	1.36	13.6	4.0
25	-4	1.33	13.3	3.9
20	-7	1.30	13.0	3.8
17	-8	1.29	12.8	3.8
15	-9	1.27	12.2	3.6
10	-12	1.22	10.7	3.1
5	-15	1.14	9.6	2.8
0	-18	1.07	8.4	2.5
-5	-21	1.00	7.3	2.1
-10	-23	.92	6.1	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.8	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CX34-38B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	625	295	20.0	5.9	.83	.78	.94	1.00	19.0	5.6	.99	.80	.96	1.00	17.8	5.2	1.17	.83	1.00	1.00	16.7	4.9	1.38	.86	1.00	1.00
	725	340	20.8	6.1	.83	.82	.99	1.00	19.7	5.8	.99	.84	1.00	1.00	18.7	5.5	1.17	.87	1.00	1.00	17.6	5.2	1.38	.91	1.00	1.00
67°F (19°C)	625	295	21.6	6.3	.84	.61	.75	.90	20.4	6.0	.99	.62	.77	.92	19.1	5.6	1.17	.63	.80	.96	17.8	5.2	1.38	.65	.83	.99
	725	340	22.4	6.6	.84	.63	.79	.95	21.0	6.2	1.00	.64	.82	.98	19.8	5.8	1.18	.66	.84	1.00	18.3	5.4	1.38	.68	.88	1.00
71°F (22°C)	625	295	23.0	6.7	.85	.45	.59	.73	21.8	6.4	1.00	.46	.60	.74	20.6	6.0	1.18	.46	.62	.77	19.1	5.6	1.39	.47	.64	.80
	725	340	23.8	7.0	.85	.46	.62	.76	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.47	.65	.81	19.7	5.8	1.39	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-024 with [CX34-38B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	830	390	25.4	7.4	1.41	.80	.96	1.00	23.8	7.0	1.64	.82	.99	1.00	22.4	6.6	1.89	.85	1.00	1.00	21.0	6.2	2.17	.89	1.00	1.00
	1020	480	26.6	7.8	1.42	.86	1.00	1.00	25.2	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.90	.92	1.00	1.00	22.2	6.5	2.19	.96	1.00	1.00
67°F (19°C)	830	390	27.0	7.9	1.43	.62	.77	.92	25.4	7.4	1.65	.63	.80	.95	23.6	6.9	1.90	.65	.82	.99	21.8	6.4	2.18	.67	.86	1.00
	1020	480	28.0	8.2	1.44	.65	.83	1.00	26.2	7.7	1.66	.67	.86	1.00	24.4	7.2	1.91	.69	.90	1.00	22.6	6.6	2.20	.72	.94	1.00
71°F (22°C)	830	390	28.6	8.4	1.44	.46	.60	.75	27.0	7.9	1.67	.46	.62	.77	25.2	7.4	1.92	.47	.64	.80	23.4	6.9	2.20	.48	.66	.83
	1020	480	29.6	8.7	1.45	.47	.64	.81	28.0	8.2	1.68	.48	.66	.84	26.0	7.6	1.93	.49	.68	.87	24.2	7.1	2.21	.50	.71	.91

FIRST STAGE HEATING CAPACITY - XP19-024 with [CX34-38B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.36	20.1	5.9	1.31	18.5	5.4	1.26	17.0	5.0	1.21
725	345	22.3	6.5	1.28	20.7	6.1	1.23	19.1	5.6	1.18	17.5	5.1	1.13

SECOND STAGE HEATING CAPACITY - XP19-024 with [CX34-38B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	27.3	8.0	1.77	20.6	6.0	1.56	13.3	3.9	1.33	9.6	2.8	1.14	5.0	1.5	.85
1020	480	27.9	8.2	1.67	21.2	6.2	1.45	14.0	4.1	1.23	10.3	3.0	1.04	5.6	1.6	.75

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CX34-38B-6F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.77	27.3	8.0
60	16	1.72	25.8	7.6
55	13	1.67	24.3	7.1
50	10	1.62	22.8	6.7
47	8	1.59	21.9	6.4
45	7	1.56	20.6	6.0
40	4	1.47	17.2	5.0
35	2	1.38	13.9	4.1
30	-1	1.35	13.6	4.0
25	-4	1.33	13.3	3.9
20	-7	1.30	13.1	3.8
17	-8	1.29	12.9	3.8
15	-9	1.27	12.3	3.6
10	-12	1.22	10.8	3.2
5	-15	1.14	9.6	2.8
0	-18	1.07	8.5	2.5
-5	-21	1.00	7.3	2.1
-10	-23	.92	6.2	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-48B/C-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.85	.97	17.4	5.1	.98	.73	.87	.99	16.3	4.8	1.16	.75	.89	1.00	15.2	4.5	1.37	.78	.93	1.00
	560	265	19.4	5.7	.82	.76	.90	1.00	18.3	5.4	.98	.77	.93	1.00	17.2	5.0	1.16	.80	.96	1.00	16.0	4.7	1.37	.83	.99	1.00
	660	310	20.2	5.9	.83	.79	.95	1.00	19.1	5.6	.99	.81	.98	1.00	17.9	5.2	1.17	.84	1.00	1.00	16.9	5.0	1.38	.87	1.00	1.00
67°F (19°C)	460	215	19.7	5.8	.83	.57	.69	.81	18.7	5.5	.99	.58	.70	.83	17.6	5.2	1.16	.59	.72	.85	16.4	4.8	1.38	.60	.74	.88
	560	265	20.8	6.1	.83	.59	.73	.86	19.7	5.8	.99	.60	.74	.88	18.5	5.4	1.17	.62	.77	.91	17.2	5.0	1.38	.63	.79	.95
	660	310	21.6	6.3	.84	.61	.76	.91	20.6	6.0	1.00	.63	.78	.94	19.2	5.6	1.17	.64	.81	.97	17.9	5.2	1.38	.66	.84	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.55	.66	20.0	5.9	.99	.44	.56	.67	18.8	5.5	1.17	.45	.57	.69	17.6	5.2	1.38	.45	.58	.71
	560	265	22.2	6.5	.84	.45	.57	.70	21.0	6.2	1.00	.45	.59	.72	19.9	5.8	1.18	.46	.60	.74	18.5	5.4	1.38	.46	.61	.76
	660	310	23.0	6.7	.85	.45	.60	.73	22.0	6.4	1.00	.46	.61	.75	20.6	6.0	1.18	.47	.63	.78	19.2	5.6	1.39	.47	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-48B/C-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.40	.72	.85	.98	22.0	6.4	1.62	.74	.88	1.00	20.6	6.0	1.87	.76	.91	1.00	19.1	5.6	2.16	.79	.95	1.00
	800	380	25.0	7.3	1.41	.78	.94	1.00	23.4	6.9	1.63	.81	.97	1.00	22.0	6.4	1.88	.83	1.00	1.00	20.6	6.0	2.17	.87	1.00	1.00
	1000	470	26.0	7.6	1.42	.84	1.00	1.00	24.8	7.3	1.64	.87	1.00	1.00	23.4	6.9	1.90	.91	1.00	1.00	21.8	6.4	2.18	.95	1.00	1.00
67°F (19°C)	600	285	24.8	7.3	1.41	.58	.70	.82	23.4	6.9	1.63	.58	.71	.84	22.0	6.4	1.89	.60	.73	.87	20.4	6.0	2.17	.61	.76	.91
	800	380	26.6	7.8	1.42	.61	.76	.90	25.0	7.3	1.65	.62	.78	.93	23.4	6.9	1.90	.64	.81	.97	21.6	6.3	2.18	.66	.84	1.00
	1000	470	27.6	8.1	1.43	.65	.82	.98	26.0	7.6	1.66	.66	.85	1.00	24.2	7.1	1.91	.68	.88	1.00	22.4	6.6	2.19	.71	.92	1.00
71°F (22°C)	600	285	26.4	7.7	1.42	.44	.56	.67	25.0	7.3	1.65	.44	.57	.69	23.4	6.9	1.90	.45	.58	.71	21.8	6.4	2.18	.45	.60	.73
	800	380	28.2	8.3	1.44	.45	.60	.73	26.6	7.8	1.66	.46	.61	.76	24.8	7.3	1.91	.47	.63	.78	23.0	6.7	2.20	.47	.65	.82
	1000	470	29.4	8.6	1.45	.47	.63	.79	27.6	8.1	1.67	.47	.65	.82	25.8	7.6	1.93	.49	.67	.85	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-48B/C-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.4	6.3	1.49	19.8	5.8	1.44	18.3	5.4	1.38	16.7	4.9	1.33
560	265	22.1	6.5	1.36	20.5	6.0	1.31	19.0	5.6	1.26	17.4	5.1	1.20
660	310	22.8	6.7	1.28	21.2	6.2	1.23	19.6	5.7	1.17	18.1	5.3	1.12

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR26-48B/C-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	27.1	7.9	1.87	20.4	6.0	1.66	13.1	3.8	1.44	9.4	2.8	1.25	4.5	1.3	.97
800	380	28.0	8.2	1.71	21.2	6.2	1.50	14.0	4.1	1.28	10.3	3.0	1.10	5.3	1.6	.81
1000	470	28.7	8.4	1.62	21.9	6.4	1.41	14.7	4.3	1.19	11.0	3.2	1.00	6.0	1.8	.72

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-48B/C-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.71	28.0	8.2
60	16	1.67	26.5	7.8
55	13	1.62	25.0	7.3
50	10	1.57	23.5	6.9
47	8	1.54	22.6	6.6
45	7	1.50	21.2	6.2
40	4	1.42	17.8	5.2
35	2	1.34	14.4	4.2
30	-1	1.31	14.2	4.2
25	-4	1.28	14.0	4.1
20	-7	1.25	13.8	4.0
17	-8	1.24	13.6	4.0
15	-9	1.22	13.0	3.8
10	-12	1.17	11.5	3.4
5	-15	1.10	10.3	3.0
0	-18	1.03	9.0	2.6
-5	-21	.95	7.8	2.3
-10	-23	.88	6.6	1.9
-15	-26	.81	5.3	1.6
-20	-29	.74	4.1	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	695	330	20.4	6.0	.83	.80	.97	1.00	19.3	5.7	.99	.83	.99	1.00	18.3	5.4	1.17	.86	1.00	1.00	17.2	5.0	1.38	.89	1.00	1.00
(17°C)	800	380	21.2	6.2	.84	.84	1.00	1.00	20.2	5.9	.99	.87	1.00	1.00	19.1	5.6	1.17	.90	1.00	1.00	18.0	5.3	1.38	.94	1.00	1.00
67°F	695	330	22.0	6.4	.84	.62	.78	.93	20.8	6.1	1.00	.63	.80	.96	19.5	5.7	1.17	.65	.83	.99	18.1	5.3	1.38	.67	.86	1.00
(19°C)	800	380	22.6	6.6	.84	.64	.81	.97	21.4	6.3	1.00	.66	.84	1.00	20.0	5.9	1.18	.68	.87	1.00	18.6	5.5	1.38	.70	.91	1.00
71°F	695	330	23.4	6.9	.85	.46	.61	.75	22.2	6.5	1.01	.46	.62	.77	20.8	6.1	1.18	.47	.64	.79	19.4	5.7	1.39	.48	.66	.83
(22°C)	800	380	24.0	7.0	.85	.47	.63	.78	22.8	6.7	1.01	.47	.64	.81	21.4	6.3	1.18	.48	.66	.84	20.0	5.9	1.39	.49	.69	.88

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	920	435	25.6	7.5	1.41	.82	.98	1.00	24.2	7.1	1.64	.85	1.00	1.00	22.8	6.7	1.89	.88	1.00	1.00	21.4	6.3	2.18	.92	1.00	1.00
(17°C)	1135	535	27.0	7.9	1.43	.88	1.00	1.00	25.6	7.5	1.65	.92	1.00	1.00	24.2	7.1	1.90	.95	1.00	1.00	22.6	6.6	2.19	.99	1.00	1.00
67°F	920	435	27.2	8.0	1.43	.63	.80	.95	25.6	7.5	1.65	.65	.82	.98	24.0	7.0	1.91	.67	.85	1.00	22.2	6.5	2.19	.69	.89	1.00
(19°C)	1135	535	28.2	8.3	1.44	.67	.86	1.00	26.6	7.8	1.66	.69	.89	1.00	24.8	7.3	1.91	.71	.93	1.00	22.8	6.7	2.20	.74	.97	1.00
71°F	920	435	28.8	8.4	1.45	.46	.62	.77	27.2	8.0	1.67	.47	.64	.80	25.4	7.4	1.92	.48	.65	.83	23.6	6.9	2.21	.49	.68	.86
(22°C)	1135	535	30.0	8.8	1.46	.48	.66	.83	28.2	8.3	1.68	.49	.68	.87	26.4	7.7	1.93	.50	.70	.90	24.4	7.2	2.21	.51	.73	.94

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
695	330	22.3	6.5	1.25	20.6	6.0	1.20	19.0	5.6	1.16	17.3	5.1	1.11
800	380	22.7	6.7	1.19	21.1	6.2	1.15	19.4	5.7	1.10	17.8	5.2	1.06

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
920	435	27.9	8.2	1.63	21.0	6.2	1.44	13.7	4.0	1.24	9.9	2.9	1.07	5.2	1.5	.79
1135	535	28.5	8.4	1.55	21.6	6.3	1.36	14.2	4.2	1.16	10.5	3.1	.99	5.7	1.7	.71

HEATING PERFORMANCE at 920 cfm (435 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-48B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.63	27.9	8.2
60	16	1.59	26.4	7.7
55	13	1.54	24.8	7.3
50	10	1.50	23.3	6.8
47	8	1.47	22.4	6.6
45	7	1.44	21.0	6.2
40	4	1.37	17.6	5.2
35	2	1.29	14.2	4.2
30	-1	1.27	13.9	4.1
25	-4	1.24	13.7	4.0
20	-7	1.22	13.4	3.9
17	-8	1.20	13.2	3.9
15	-9	1.19	12.6	3.7
10	-12	1.14	11.1	3.3
5	-15	1.07	9.9	2.9
0	-18	1.00	8.7	2.5
-5	-21	.93	7.5	2.2
-10	-23	.86	6.4	1.9
-15	-26	.79	5.2	1.5
-20	-29	.72	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	610	290	19.8	5.8	.83	.77	.92	1.00	18.7	5.5	.99	.79	.95	1.00	17.6	5.2	1.17	.82	.98	1.00	16.4	4.8	1.37	.85	1.00	1.00
(17°C)	725	340	20.6	6.0	.83	.82	.98	1.00	19.5	5.7	.99	.84	1.00	1.00	18.5	5.4	1.17	.87	1.00	1.00	17.4	5.1	1.38	.91	1.00	1.00
67°F	610	290	21.2	6.2	.84	.60	.75	.88	20.2	5.9	.99	.61	.76	.91	18.9	5.5	1.17	.63	.79	.94	17.6	5.2	1.38	.65	.82	.98
(19°C)	725	340	22.2	6.5	.84	.63	.79	.94	21.0	6.2	1.00	.64	.81	.97	19.7	5.8	1.17	.66	.84	1.00	18.2	5.3	1.38	.68	.87	1.00
71°F	610	290	22.6	6.6	.84	.45	.59	.72	21.6	6.3	1.00	.45	.60	.74	20.2	5.9	1.18	.46	.61	.76	18.9	5.5	1.39	.47	.63	.79
(22°C)	725	340	23.6	6.9	.85	.46	.61	.76	22.4	6.6	1.01	.47	.63	.78	21.0	6.2	1.18	.47	.64	.81	19.6	5.7	1.39	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	840	395	25.2	7.4	1.41	.80	.96	1.00	23.6	6.9	1.64	.82	.99	1.00	22.2	6.5	1.89	.85	1.00	1.00	20.8	6.1	2.17	.89	1.00	1.00
(17°C)	1050	495	26.4	7.7	1.42	.86	1.00	1.00	25.0	7.3	1.65	.89	1.00	1.00	23.6	6.9	1.90	.92	1.00	1.00	22.0	6.4	2.19	.96	1.00	1.00
67°F	840	395	26.8	7.9	1.43	.62	.77	.92	25.2	7.4	1.65	.63	.80	.95	23.6	6.9	1.90	.65	.82	.98	21.8	6.4	2.19	.67	.86	1.00
(19°C)	1050	495	27.8	8.1	1.44	.66	.84	1.00	26.2	7.7	1.66	.67	.86	1.00	24.4	7.2	1.91	.70	.90	1.00	22.6	6.6	2.19	.72	.94	1.00
71°F	840	395	28.4	8.3	1.44	.46	.61	.75	26.8	7.9	1.66	.46	.62	.77	25.0	7.3	1.92	.47	.64	.80	23.2	6.8	2.20	.48	.66	.83
(22°C)	1050	495	29.6	8.7	1.45	.47	.65	.81	27.8	8.1	1.68	.48	.66	.84	26.0	7.6	1.93	.49	.68	.87	24.2	7.1	2.21	.50	.71	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
610	290	21.9	6.4	1.32	20.3	5.9	1.27	18.7	5.5	1.22	17.1	5.0	1.16
725	340	22.5	6.6	1.24	20.9	6.1	1.18	19.3	5.7	1.13	17.7	5.2	1.08

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	27.7	8.1	1.68	20.9	6.1	1.48	13.6	4.0	1.27	9.9	2.9	1.09	5.2	1.5	.81
1050	495	28.4	8.3	1.59	21.6	6.3	1.39	14.3	4.2	1.18	10.6	3.1	1.00	5.9	1.7	.72

HEATING PERFORMANCE at 840 cfm (395 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-48B-F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.68	27.7	8.1
60	16	1.63	26.2	7.7
55	13	1.59	24.7	7.2
50	10	1.54	23.2	6.8
47	8	1.51	22.3	6.5
45	7	1.48	20.9	6.1
40	4	1.40	17.5	5.1
35	2	1.32	14.1	4.1
30	-1	1.29	13.9	4.1
25	-4	1.27	13.6	4.0
20	-7	1.24	13.4	3.9
17	-8	1.23	13.2	3.9
15	-9	1.21	12.6	3.7
10	-12	1.16	11.1	3.3
5	-15	1.09	9.9	2.9
0	-18	1.02	8.8	2.6
-5	-21	.95	7.6	2.2
-10	-23	.88	6.4	1.9
-15	-26	.81	5.2	1.5
-20	-29	.74	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	19.9	5.8	.83	.78	.93	1.00	18.8	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.83	.99	1.00	16.6	4.9	1.37	.86	1.00	1.00
(17°C)	730	345	20.6	6.0	.83	.82	.98	1.00	19.6	5.7	.99	.84	1.00	1.00	18.5	5.4	1.17	.87	1.00	1.00	17.4	5.1	1.38	.91	1.00	1.00
67°F	625	295	21.4	6.3	.84	.61	.75	.89	20.2	5.9	.99	.62	.77	.92	19.0	5.6	1.17	.63	.80	.95	17.7	5.2	1.38	.65	.83	.99
(19°C)	730	345	22.2	6.5	.84	.63	.79	.94	21.0	6.2	1.00	.64	.81	.97	19.7	5.8	1.17	.66	.84	1.00	18.3	5.4	1.38	.68	.88	1.00
71°F	625	295	22.8	6.7	.85	.45	.59	.72	21.6	6.3	1.00	.46	.60	.74	20.4	6.0	1.18	.46	.62	.76	19.0	5.6	1.38	.47	.63	.79
(22°C)	730	345	23.6	6.9	.85	.46	.62	.76	22.4	6.6	1.01	.47	.63	.78	21.0	6.2	1.18	.47	.64	.81	19.6	5.7	1.39	.48	.67	.84

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	830	390	25.0	7.3	1.41	.79	.95	1.00	23.6	6.9	1.63	.82	.98	1.00	22.2	6.5	1.88	.85	1.00	1.00	20.8	6.1	2.17	.88	1.00	1.00
(17°C)	1015	480	26.2	7.7	1.42	.85	1.00	1.00	24.8	7.3	1.65	.88	1.00	1.00	23.4	6.9	1.90	.91	1.00	1.00	22.0	6.4	2.18	.95	1.00	1.00
67°F	830	390	26.8	7.9	1.42	.62	.77	.92	25.2	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.65	.82	.98	21.8	6.4	2.18	.67	.85	1.00
(19°C)	1015	480	27.8	8.1	1.43	.65	.82	.99	26.0	7.6	1.66	.67	.85	1.00	24.4	7.2	1.91	.69	.89	1.00	22.6	6.6	2.20	.71	.93	1.00
71°F	830	390	28.2	8.3	1.44	.46	.60	.74	26.8	7.9	1.66	.46	.62	.77	25.0	7.3	1.91	.47	.63	.79	23.2	6.8	2.20	.48	.65	.83
(22°C)	1015	480	29.4	8.6	1.45	.47	.64	.80	27.6	8.1	1.68	.48	.66	.83	26.0	7.6	1.93	.49	.68	.86	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	22.0	6.4	1.30	20.4	6.0	1.25	18.8	5.5	1.20	17.2	5.0	1.15
730	345	22.5	6.6	1.23	20.9	6.1	1.18	19.3	5.7	1.13	17.7	5.2	1.08

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR33-48B-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	27.6	8.1	1.69	20.9	6.1	1.48	13.6	4.0	1.27	9.9	2.9	1.09	5.1	1.5	.81
1015	480	28.2	8.3	1.61	21.5	6.3	1.40	14.2	4.2	1.19	10.5	3.1	1.01	5.8	1.7	.73

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-48B-F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.69	27.6	8.1
60	16	1.64	26.1	7.6
55	13	1.59	24.6	7.2
50	10	1.54	23.1	6.8
47	8	1.52	22.2	6.5
45	7	1.48	20.9	6.1
40	4	1.41	17.5	5.1
35	2	1.33	14.1	4.1
30	-1	1.30	13.8	4.0
25	-4	1.27	13.6	4.0
20	-7	1.24	13.3	3.9
17	-8	1.23	13.2	3.9
15	-9	1.21	12.6	3.7
10	-12	1.16	11.1	3.3
5	-15	1.09	9.9	2.9
0	-18	1.02	8.7	2.5
-5	-21	.95	7.5	2.2
-10	-23	.88	6.3	1.8
-15	-26	.81	5.1	1.5
-20	-29	.74	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-50/60C-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	695	330	20.8	6.1	.83	.81	.98	1.00	19.7	5.8	.99	.84	1.00	1.00	18.7	5.5	1.17	.87	1.00	1.00	17.6	5.2	1.38	.90	1.00	1.00
(17°C)	800	380	21.8	6.4	.84	.85	1.00	1.00	20.8	6.1	1.00	.88	1.00	1.00	19.6	5.7	1.17	.92	1.00	1.00	18.4	5.4	1.38	.96	1.00	1.00
67°F	695	330	22.4	6.6	.84	.63	.78	.94	21.0	6.2	1.00	.64	.81	.97	19.8	5.8	1.18	.66	.84	1.00	18.3	5.4	1.38	.68	.87	1.00
(19°C)	800	380	23.0	6.7	.85	.65	.82	.99	21.8	6.4	1.00	.67	.85	1.00	20.4	6.0	1.18	.69	.88	1.00	18.9	5.5	1.39	.71	.93	1.00
71°F	695	330	23.8	7.0	.85	.46	.61	.76	22.6	6.6	1.01	.46	.62	.78	21.2	6.2	1.18	.47	.64	.80	19.7	5.8	1.39	.48	.66	.84
(22°C)	800	380	24.4	7.2	.86	.47	.64	.79	23.2	6.8	1.01	.48	.65	.82	21.8	6.4	1.19	.48	.67	.85	20.2	5.9	1.39	.49	.70	.89

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-50/60C-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	920	435	26.2	7.7	1.42	.83	1.00	1.00	24.8	7.3	1.64	.86	1.00	1.00	23.4	6.9	1.90	.89	1.00	1.00	21.8	6.4	2.19	.94	1.00	1.00
(17°C)	1135	535	27.8	8.1	1.43	.90	1.00	1.00	26.4	7.7	1.66	.94	1.00	1.00	24.8	7.3	1.91	.97	1.00	1.00	23.0	6.7	2.20	1.00	1.00	1.00
67°F	920	435	27.8	8.1	1.44	.64	.81	.97	26.0	7.6	1.66	.66	.84	1.00	24.4	7.2	1.91	.67	.87	1.00	22.4	6.6	2.19	.70	.91	1.00
(19°C)	1135	535	28.8	8.4	1.44	.68	.88	1.00	27.0	7.9	1.67	.70	.91	1.00	25.2	7.4	1.92	.73	.95	1.00	23.2	6.8	2.20	.76	.99	1.00
71°F	920	435	29.4	8.6	1.45	.47	.63	.78	27.6	8.1	1.67	.47	.64	.81	25.8	7.6	1.93	.48	.66	.84	24.0	7.0	2.21	.49	.69	.88
(22°C)	1135	535	30.4	8.9	1.46	.49	.68	.86	28.6	8.4	1.69	.49	.69	.89	26.8	7.9	1.93	.50	.72	.93	24.8	7.3	2.22	.52	.75	.97

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-50/60C-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
695	330	22.6	6.6	1.20	20.9	6.1	1.15	19.2	5.6	1.11	17.5	5.1	1.07
800	380	23.1	6.8	1.14	21.4	6.3	1.10	19.7	5.8	1.05	18.0	5.3	1.01

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR33-50/60C-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
920	435	28.3	8.3	1.55	21.3	6.2	1.38	13.8	4.0	1.20	9.9	2.9	1.04	5.2	1.5	.77
1135	535	28.8	8.4	1.48	21.8	6.4	1.31	14.3	4.2	1.13	10.5	3.1	.97	5.7	1.7	.69

HEATING PERFORMANCE at 920 cfm (435 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-50/60C-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.55	28.3	8.3
60	16	1.51	26.7	7.8
55	13	1.47	25.2	7.4
50	10	1.43	23.6	6.9
47	8	1.41	22.7	6.7
45	7	1.38	21.3	6.2
40	4	1.31	17.8	5.2
35	2	1.25	14.3	4.2
30	-1	1.22	14.0	4.1
25	-4	1.20	13.8	4.0
20	-7	1.18	13.5	4.0
17	-8	1.17	13.3	3.9
15	-9	1.15	12.7	3.7
10	-12	1.11	11.1	3.3
5	-15	1.04	9.9	2.9
0	-18	.97	8.7	2.5
-5	-21	.91	7.5	2.2
-10	-23	.84	6.4	1.9
-15	-26	.77	5.2	1.5
-20	-29	.70	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CR33-50/60C-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.4	6.0	.83	.79	.94	1.00	19.2	5.6	.99	.81	.97	1.00	18.0	5.3	1.17	.83	1.00	1.00	16.9	5.0	1.38	.87	1.00	1.00
(17°C)	730	345	21.0	6.2	.83	.83	.99	1.00	20.0	5.9	.99	.85	1.00	1.00	19.0	5.6	1.17	.88	1.00	1.00	17.8	5.2	1.38	.92	1.00	1.00
67°F	625	295	21.8	6.4	.84	.61	.76	.90	20.6	6.0	1.00	.62	.78	.93	19.3	5.7	1.17	.64	.80	.96	17.9	5.2	1.38	.66	.84	1.00
(19°C)	730	345	22.6	6.6	.84	.63	.80	.95	21.2	6.2	1.00	.65	.82	.98	20.0	5.9	1.18	.67	.85	1.00	18.5	5.4	1.38	.69	.89	1.00
71°F	625	295	23.2	6.8	.85	.45	.59	.73	22.0	6.4	1.00	.45	.61	.75	20.6	6.0	1.18	.46	.62	.77	19.2	5.6	1.39	.47	.64	.80
(22°C)	730	345	24.0	7.0	.85	.46	.62	.77	22.8	6.7	1.01	.47	.63	.79	21.4	6.3	1.18	.48	.65	.82	19.9	5.8	1.39	.48	.67	.86

SECOND STAGE COOLING CAPACITY - XP19-024 with [CR33-50/60C-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	830	390	25.6	7.5	1.41	.80	.97	1.00	24.0	7.0	1.64	.83	.99	1.00	22.6	6.6	1.89	.86	1.00	1.00	21.2	6.2	2.18	.90	1.00	1.00
(17°C)	1015	480	27.0	7.9	1.43	.87	1.00	1.00	25.4	7.4	1.65	.90	1.00	1.00	24.0	7.0	1.91	.93	1.00	1.00	22.4	6.6	2.19	.97	1.00	1.00
67°F	830	390	27.2	8.0	1.43	.62	.78	.93	25.6	7.5	1.65	.64	.80	.96	24.0	7.0	1.90	.65	.83	.99	22.2	6.5	2.19	.68	.87	1.00
(19°C)	1015	480	28.2	8.3	1.44	.66	.84	1.00	26.6	7.8	1.66	.68	.87	1.00	24.8	7.3	1.91	.70	.91	1.00	22.8	6.7	2.20	.73	.95	1.00
71°F	830	390	28.8	8.4	1.45	.46	.61	.75	27.2	8.0	1.67	.46	.62	.78	25.4	7.4	1.92	.47	.64	.81	23.4	6.9	2.20	.48	.66	.84
(22°C)	1015	480	30.0	8.8	1.46	.47	.65	.82	28.2	8.3	1.68	.48	.67	.85	26.4	7.7	1.93	.49	.69	.88	24.2	7.1	2.21	.50	.72	.92

FIRST STAGE HEATING CAPACITY - XP19-024 with [CR33-50/60C-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	22.3	6.5	1.25	20.7	6.1	1.20	19.0	5.6	1.16	17.4	5.1	1.11
730	345	22.8	6.7	1.18	21.2	6.2	1.13	19.5	5.7	1.09	17.9	5.2	1.04

SECOND STAGE HEATING CAPACITY - XP19-024 with [CR33-50/60C-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
830	390	28.1	8.2	1.62	21.1	6.2	1.43	13.7	4.0	1.23	9.9	2.9	1.06	5.2	1.5	.78
1015	480	28.7	8.4	1.53	21.7	6.4	1.35	14.3	4.2	1.15	10.5	3.1	.98	5.8	1.7	.70

HEATING PERFORMANCE at 830 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CR33-50/60C-F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.62	28.1	8.2
60	16	1.57	26.5	7.8
55	13	1.53	25.0	7.3
50	10	1.48	23.4	6.9
47	8	1.46	22.5	6.6
45	7	1.43	21.1	6.2
40	4	1.35	17.7	5.2
35	2	1.28	14.2	4.2
30	-1	1.26	14.0	4.1
25	-4	1.23	13.7	4.0
20	-7	1.21	13.4	3.9
17	-8	1.19	13.2	3.9
15	-9	1.17	12.6	3.7
10	-12	1.13	11.1	3.3
5	-15	1.06	9.9	2.9
0	-18	.99	8.7	2.5
-5	-21	.92	7.5	2.2
-10	-23	.85	6.3	1.8
-15	-26	.78	5.2	1.5
-20	-29	.72	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.84	.97	17.5	5.1	.98	.73	.87	.99	16.4	4.8	1.16	.75	.89	1.00	15.2	4.5	1.37	.78	.93	1.00
	560	265	19.5	5.7	.83	.75	.90	1.00	18.4	5.4	.98	.77	.92	1.00	17.3	5.1	1.16	.80	.96	1.00	16.0	4.7	1.37	.82	.99	1.00
	660	310	20.4	6.0	.83	.79	.95	1.00	19.2	5.6	.99	.81	.98	1.00	18.0	5.3	1.17	.84	1.00	1.00	17.0	5.0	1.38	.87	1.00	1.00
67°F (19°C)	460	215	19.8	5.8	.83	.57	.69	.80	18.8	5.5	.99	.58	.70	.82	17.7	5.2	1.16	.59	.72	.85	16.5	4.8	1.37	.60	.74	.88
	560	265	21.0	6.2	.83	.59	.72	.86	19.8	5.8	.99	.60	.74	.88	18.6	5.5	1.17	.61	.77	.91	17.3	5.1	1.38	.63	.79	.95
	660	310	21.8	6.4	.84	.61	.76	.91	20.6	6.0	1.00	.63	.78	.94	19.4	5.7	1.17	.64	.81	.97	18.0	5.3	1.38	.66	.84	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.55	.66	20.0	5.9	.99	.44	.56	.67	18.9	5.5	1.17	.44	.57	.69	17.7	5.2	1.38	.45	.58	.71
	560	265	22.4	6.6	.84	.45	.57	.70	21.2	6.2	1.00	.45	.58	.71	20.0	5.9	1.18	.45	.60	.73	18.7	5.5	1.38	.46	.61	.76
	660	310	23.4	6.9	.85	.45	.60	.73	22.2	6.5	1.00	.46	.61	.75	20.8	6.1	1.18	.47	.62	.78	19.3	5.7	1.39	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-024 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.40	.72	.85	.98	22.2	6.5	1.62	.74	.88	1.00	20.6	6.0	1.87	.76	.91	1.00	19.1	5.6	2.16	.79	.95	1.00
	800	380	25.0	7.3	1.41	.78	.94	1.00	23.6	6.9	1.63	.81	.97	1.00	22.0	6.4	1.88	.83	1.00	1.00	20.6	6.0	2.17	.87	1.00	1.00
	1000	470	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.65	.87	1.00	1.00	23.6	6.9	1.90	.91	1.00	1.00	22.0	6.4	2.19	.95	1.00	1.00
67°F (19°C)	600	285	25.0	7.3	1.41	.57	.70	.82	23.6	6.9	1.63	.58	.71	.84	22.2	6.5	1.89	.60	.73	.87	20.4	6.0	2.17	.61	.76	.91
	800	380	26.8	7.9	1.42	.61	.76	.90	25.2	7.4	1.65	.62	.78	.94	23.6	6.9	1.90	.64	.81	.97	21.8	6.4	2.19	.66	.84	1.00
	1000	470	27.8	8.1	1.44	.65	.82	.99	26.2	7.7	1.66	.66	.85	1.00	24.4	7.2	1.91	.68	.88	1.00	22.6	6.6	2.19	.71	.92	1.00
71°F (22°C)	600	285	26.4	7.7	1.42	.44	.56	.67	25.0	7.3	1.65	.44	.57	.69	23.4	6.9	1.90	.45	.58	.71	21.8	6.4	2.19	.45	.59	.73
	800	380	28.4	8.3	1.44	.45	.60	.73	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.78	23.2	6.8	2.20	.47	.65	.81
	1000	470	29.6	8.7	1.45	.47	.63	.80	27.8	8.1	1.68	.48	.65	.82	26.0	7.6	1.93	.49	.67	.86	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.1	6.2	1.55	19.5	5.7	1.50	18.0	5.3	1.45	16.4	4.8	1.40
560	265	21.9	6.4	1.41	20.3	5.9	1.36	18.7	5.5	1.31	17.2	5.0	1.26
660	310	22.5	6.6	1.32	21.0	6.2	1.27	19.4	5.7	1.21	17.8	5.2	1.16

SECOND STAGE HEATING CAPACITY - XP19-024 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.8	7.9	1.95	20.1	5.9	1.74	12.9	3.8	1.52	9.2	2.7	1.34	4.3	1.3	1.04
800	380	27.7	8.1	1.77	21.0	6.2	1.56	13.8	4.0	1.33	10.1	3.0	1.15	5.2	1.5	.85
1000	470	28.4	8.3	1.66	21.7	6.4	1.45	14.5	4.2	1.23	10.8	3.2	1.05	6.0	1.8	.75

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP19-024 with [CH33-44/48B-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.77	27.7	8.1
60	16	1.72	26.2	7.7
55	13	1.67	24.7	7.2
50	10	1.62	23.2	6.8
47	8	1.59	22.4	6.6
45	7	1.56	21.0	6.2
40	4	1.47	17.7	5.2
35	2	1.38	14.3	4.2
30	-1	1.36	14.1	4.1
25	-4	1.33	13.8	4.0
20	-7	1.31	13.6	4.0
17	-8	1.29	13.4	3.9
15	-9	1.27	12.8	3.8
10	-12	1.22	11.3	3.3
5	-15	1.15	10.1	3.0
0	-18	1.08	8.9	2.6
-5	-21	1.00	7.7	2.3
-10	-23	.93	6.5	1.9
-15	-26	.85	5.2	1.5
-20	-29	.78	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-024 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	460	215	18.4	5.4	.82	.72	.85	.97	17.4	5.1	.98	.73	.87	.99	16.4	4.8	1.16	.75	.89	1.00	15.2	4.5	1.37	.78	.93	1.00
	560	265	19.5	5.7	.83	.76	.90	1.00	18.4	5.4	.98	.77	.93	1.00	17.3	5.1	1.16	.80	.96	1.00	16.1	4.7	1.37	.82	.99	1.00
	660	310	20.4	6.0	.83	.79	.95	1.00	19.2	5.6	.99	.81	.98	1.00	18.0	5.3	1.17	.84	1.00	1.00	17.0	5.0	1.38	.87	1.00	1.00
67°F (19°C)	460	215	19.7	5.8	.83	.58	.69	.81	18.7	5.5	.99	.58	.71	.83	17.6	5.2	1.17	.59	.72	.85	16.5	4.8	1.37	.60	.74	.88
	560	265	21.0	6.2	.83	.60	.73	.86	19.8	5.8	.99	.60	.74	.88	18.6	5.5	1.17	.62	.77	.91	17.3	5.1	1.38	.63	.79	.95
	660	310	21.8	6.4	.84	.62	.76	.91	20.6	6.0	1.00	.63	.79	.94	19.3	5.7	1.17	.64	.81	.97	17.9	5.2	1.38	.66	.84	1.00
71°F (22°C)	460	215	21.0	6.2	.83	.44	.56	.66	20.0	5.9	.99	.45	.56	.68	18.9	5.5	1.17	.45	.57	.69	17.7	5.2	1.38	.45	.58	.71
	560	265	22.4	6.6	.84	.45	.58	.70	21.2	6.2	1.00	.46	.59	.72	19.9	5.8	1.18	.46	.60	.74	18.6	5.5	1.38	.46	.62	.76
	660	310	23.4	6.9	.85	.46	.60	.74	22.0	6.4	1.00	.46	.61	.76	20.8	6.1	1.18	.47	.63	.78	19.3	5.7	1.39	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-024 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.40	.73	.85	.98	22.2	6.5	1.62	.74	.88	1.00	20.6	6.0	1.87	.76	.91	1.00	19.1	5.6	2.16	.79	.95	1.00
	800	380	25.2	7.4	1.41	.79	.94	1.00	23.6	6.9	1.63	.81	.97	1.00	22.0	6.4	1.88	.83	1.00	1.00	20.6	6.0	2.17	.87	1.00	1.00
	1000	470	26.4	7.7	1.42	.85	1.00	1.00	25.0	7.3	1.65	.87	1.00	1.00	23.6	6.9	1.90	.91	1.00	1.00	22.0	6.4	2.19	.95	1.00	1.00
67°F (19°C)	600	285	25.0	7.3	1.41	.58	.70	.82	23.6	6.9	1.63	.59	.72	.84	22.0	6.4	1.89	.60	.73	.87	20.4	6.0	2.17	.61	.76	.91
	800	380	26.6	7.8	1.42	.61	.76	.90	25.2	7.4	1.65	.63	.78	.93	23.6	6.9	1.90	.64	.81	.97	21.8	6.4	2.19	.66	.84	1.00
	1000	470	27.8	8.1	1.44	.65	.82	.98	26.2	7.7	1.66	.67	.85	1.00	24.4	7.2	1.91	.68	.88	1.00	22.6	6.6	2.20	.71	.92	1.00
71°F (22°C)	600	285	26.4	7.7	1.42	.45	.56	.67	25.0	7.3	1.65	.45	.57	.69	23.4	6.9	1.90	.45	.58	.71	21.8	6.4	2.19	.45	.60	.73
	800	380	28.4	8.3	1.44	.46	.60	.74	26.8	7.9	1.66	.46	.61	.76	25.0	7.3	1.92	.47	.63	.78	23.2	6.8	2.20	.48	.65	.81
	1000	470	29.6	8.7	1.45	.47	.64	.80	27.8	8.1	1.68	.48	.65	.82	26.0	7.6	1.93	.49	.67	DRY	24.0	7.0	2.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-024 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
460	215	21.0	6.2	1.58	19.5	5.7	1.52	17.9	5.2	1.46	16.4	4.8	1.41
560	265	21.8	6.4	1.44	20.2	5.9	1.38	18.7	5.5	1.33	17.1	5.0	1.27
660	310	22.4	6.6	1.34	20.8	6.1	1.28	19.3	5.7	1.23	17.7	5.2	1.17

SECOND STAGE HEATING CAPACITY - XP19-024 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	26.7	7.8	1.98	20.0	5.9	1.76	12.9	3.8	1.52	9.3	2.7	1.33	4.4	1.3	1.03
800	380	27.6	8.1	1.80	21.0	6.2	1.58	13.8	4.0	1.34	10.2	3.0	1.15	5.3	1.6	.86
1000	470	28.3	8.3	1.69	21.7	6.4	1.47	14.5	4.2	1.23	10.9	3.2	1.04	6.0	1.8	.74

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP19-024 with [CH33-48C-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.80	27.6	8.1
60	16	1.75	26.1	7.6
55	13	1.70	24.7	7.2
50	10	1.65	23.2	6.8
47	8	1.62	22.3	6.5
45	7	1.58	21.0	6.2
40	4	1.49	17.6	5.2
35	2	1.40	14.2	4.2
30	-1	1.37	14.0	4.1
25	-4	1.34	13.8	4.0
20	-7	1.32	13.6	4.0
17	-8	1.30	13.5	4.0
15	-9	1.28	12.9	3.8
10	-12	1.23	11.4	3.3
5	-15	1.15	10.2	3.0
0	-18	1.08	9.0	2.6
-5	-21	1.00	7.7	2.3
-10	-23	.93	6.5	1.9
-15	-26	.86	5.3	1.6
-20	-29	.78	4.0	1.2

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-024 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	625	295	20.0	5.9	.83	.78	.93	1.00	18.9	5.5	.99	.80	.96	1.00	17.7	5.2	1.17	.82	.99	1.00	16.6	4.9	1.37	.86	1.00	1.00
(17°C)	740	350	21.0	6.2	.83	.82	.99	1.00	19.8	5.8	.99	.85	1.00	1.00	18.8	5.5	1.17	.88	1.00	1.00	17.6	5.2	1.38	.92	1.00	1.00
67°F	625	295	21.6	6.3	.84	.60	.75	.89	20.4	6.0	.99	.62	.77	.92	19.1	5.6	1.17	.63	.79	.95	17.8	5.2	1.38	.65	.83	.99
(19°C)	740	350	22.4	6.6	.84	.63	.79	.95	21.2	6.2	1.00	.64	.82	.98	19.8	5.8	1.18	.66	.85	1.00	18.4	5.4	1.38	.68	.88	1.00
71°F	625	295	23.0	6.7	.85	.45	.59	.72	21.8	6.4	1.00	.46	.60	.74	20.6	6.0	1.18	.46	.61	.76	19.1	5.6	1.39	.47	.63	.79
(22°C)	740	350	24.0	7.0	.85	.46	.62	.76	22.6	6.6	1.01	.47	.63	.79	21.2	6.2	1.18	.47	.65	.81	19.8	5.8	1.39	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-024 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	825	390	25.2	7.4	1.41	.79	.95	1.00	23.8	7.0	1.64	.81	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00	20.8	6.1	2.18	.88	1.00	1.00
(17°C)	1035	490	26.6	7.8	1.42	.86	1.00	1.00	25.2	7.4	1.65	.89	1.00	1.00	23.8	7.0	1.90	.92	1.00	1.00	22.2	6.5	2.19	.97	1.00	1.00
67°F	825	390	26.8	7.9	1.43	.61	.77	.92	25.4	7.4	1.65	.63	.79	.95	23.6	6.9	1.90	.64	.82	.98	21.8	6.4	2.19	.67	.85	1.00
(19°C)	1035	490	28.0	8.2	1.44	.65	.83	1.00	26.4	7.7	1.66	.67	.86	1.00	24.6	7.2	1.91	.69	.90	1.00	22.6	6.6	2.20	.72	.94	1.00
71°F	825	390	28.6	8.4	1.44	.46	.60	.74	27.0	7.9	1.67	.46	.61	.76	25.2	7.4	1.92	.47	.63	.79	23.4	6.9	2.20	.48	.65	.83
(22°C)	1035	490	29.8	8.7	1.45	.47	.64	.81	28.0	8.2	1.68	.48	.66	.84	26.2	7.7	1.93	.49	.68	.87	24.2	7.1	2.22	.50	.71	.91

FIRST STAGE HEATING CAPACITY - XP19-024 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
625	295	21.7	6.4	1.34	20.1	5.9	1.29	18.6	5.5	1.25	17.0	5.0	1.20
740	350	22.3	6.5	1.25	20.7	6.1	1.21	19.1	5.6	1.16	17.5	5.1	1.12

SECOND STAGE HEATING CAPACITY - XP19-024 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
825	390	27.3	8.0	1.76	20.6	6.0	1.55	13.4	3.9	1.32	9.6	2.8	1.14	5.0	1.5	.85
1035	490	27.9	8.2	1.65	21.2	6.2	1.44	14.0	4.1	1.21	10.3	3.0	1.03	5.6	1.6	.73

HEATING PERFORMANCE at 825 cfm (390 L/s) Indoor Coil Air Volume
XP19-024 with [CH33-44/48B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.76	27.3	8.0
60	16	1.71	25.8	7.6
55	13	1.66	24.3	7.1
50	10	1.61	22.8	6.7
47	8	1.58	21.9	6.4
45	7	1.55	20.6	6.0
40	4	1.46	17.2	5.0
35	2	1.37	13.9	4.1
30	-1	1.35	13.6	4.0
25	-4	1.32	13.4	3.9
20	-7	1.30	13.1	3.8
17	-8	1.28	12.9	3.8
15	-9	1.26	12.3	3.6
10	-12	1.22	10.8	3.2
5	-15	1.14	9.6	2.8
0	-18	1.07	8.5	2.5
-5	-21	.99	7.3	2.1
-10	-23	.92	6.2	1.8
-15	-26	.85	5.0	1.5
-20	-29	.77	3.9	1.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX27UH-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	840	395	26.6	7.8	1.18	.78	.94	1.00	25.2	7.4	1.38	.80	.97	1.00	23.6	6.9	1.59	.83	.99	1.00	22.2	6.5	1.85	.86	1.00	1.00
(17°C)	1000	470	27.6	8.1	1.19	.83	.99	1.00	26.2	7.7	1.38	.85	1.00	1.00	24.8	7.3	1.60	.88	1.00	1.00	23.4	6.9	1.86	.92	1.00	1.00
67°F	840	395	28.4	8.3	1.20	.61	.76	.90	27.0	7.9	1.39	.62	.77	.93	25.4	7.4	1.60	.63	.80	.96	23.6	6.9	1.86	.65	.83	.99
(19°C)	1000	470	29.6	8.7	1.20	.64	.80	.96	27.8	8.1	1.39	.65	.82	.98	26.2	7.7	1.61	.67	.85	1.00	24.4	7.2	1.86	.69	.89	1.00
71°F	840	395	30.2	8.9	1.21	.45	.59	.73	28.8	8.4	1.40	.46	.60	.75	27.0	7.9	1.62	.46	.62	.77	25.2	7.4	1.87	.47	.64	.80
(22°C)	1000	470	31.4	9.2	1.22	.47	.62	.77	29.8	8.7	1.41	.47	.63	.80	28.0	8.2	1.62	.48	.65	.82	26.0	7.6	1.88	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX27UH-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1000	470	34.0	10.0	2.21	.75	.90	1.00	32.0	9.4	2.47	.77	.92	1.00	29.8	8.7	2.76	.80	.96	1.00	27.6	8.1	3.09	.83	.99	1.00
(17°C)	1200	565	35.2	10.3	2.22	.80	.96	1.00	33.2	9.7	2.48	.82	.98	1.00	31.0	9.1	2.78	.85	1.00	1.00	29.0	8.5	3.11	.88	1.00	1.00
67°F	1000	470	36.0	10.6	2.23	.59	.73	.86	34.0	10.0	2.50	.60	.75	.89	31.8	9.3	2.79	.62	.77	.92	29.6	8.7	3.12	.63	.80	.96
(19°C)	1200	565	37.4	11.0	2.25	.62	.77	.92	35.2	10.3	2.51	.63	.79	.95	33.0	9.7	2.80	.65	.82	.98	30.4	8.9	3.13	.67	.86	1.00
71°F	1000	470	38.0	11.1	2.25	.45	.58	.70	36.0	10.6	2.52	.45	.59	.72	33.8	9.9	2.81	.46	.60	.74	31.2	9.1	3.15	.46	.62	.77
(22°C)	1200	565	39.5	11.6	2.27	.46	.60	.75	37.4	11.0	2.53	.46	.62	.77	35.0	10.3	2.83	.47	.64	.80	32.4	9.5	3.16	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	29.4	8.6	1.65	27.3	8.0	1.59	25.3	7.4	1.54	23.3	6.8	1.48
1000	470	30.0	8.8	1.55	27.9	8.2	1.50	25.9	7.6	1.44	23.9	7.0	1.39

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	38.6	11.3	2.50	29.4	8.6	2.29	19.5	5.7	2.06	14.1	4.1	1.84	6.8	2.0	1.37
1200	565	39.4	11.5	2.40	30.2	8.9	2.19	20.4	6.0	1.96	14.9	4.4	1.74	7.7	2.3	1.27

HEATING PERFORMANCE at 1200cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.40	39.4	11.5
60	16	2.35	37.4	11.0
55	13	2.30	35.3	10.3
50	10	2.25	33.2	9.7
47	8	2.22	32.0	9.4
45	7	2.19	30.2	8.9
40	4	2.10	25.8	7.6
35	2	2.01	21.3	6.2
30	-1	1.99	20.9	6.1
25	-4	1.96	20.4	6.0
20	-7	1.94	19.9	5.8
17	-8	1.92	19.6	5.7
15	-9	1.90	18.8	5.5
10	-12	1.85	16.7	4.9
5	-15	1.74	14.9	4.4
0	-18	1.62	13.1	3.8
-5	-21	1.50	11.3	3.3
-10	-23	1.39	9.5	2.8
-15	-26	1.27	7.7	2.3
-20	-29	1.15	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX27UH-042] [CBX40UHV-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1000	470	28.4	8.3	1.19	.83	.99	1.00	27.0	7.9	1.39	.86	1.00	1.00	25.6	7.5	1.61	.88	1.00	1.00	24.0	7.0	1.86	.92	1.00	1.00
(17°C)	1200	565	30.0	8.8	1.21	.89	1.00	1.00	28.6	8.4	1.40	.92	1.00	1.00	27.0	7.9	1.62	.95	1.00	1.00	25.4	7.4	1.87	.99	1.00	1.00
67°F	1000	470	30.2	8.9	1.21	.64	.80	.96	28.6	8.4	1.40	.65	.83	.99	26.8	7.9	1.62	.67	.86	1.00	25.0	7.3	1.87	.69	.89	1.00
(19°C)	1200	565	31.4	9.2	1.22	.67	.86	1.00	29.6	8.7	1.41	.69	.89	1.00	27.8	8.1	1.62	.71	.92	1.00	26.0	7.6	1.88	.74	.95	1.00
71°F	1000	470	32.2	9.4	1.22	.47	.63	.78	30.4	8.9	1.41	.47	.64	.80	28.6	8.4	1.63	.48	.66	.83	26.6	7.8	1.88	.49	.68	.86
(22°C)	1200	565	33.4	9.8	1.23	.48	.66	.83	31.6	9.3	1.42	.49	.68	.86	29.6	8.7	1.64	.50	.70	.90	27.6	8.1	1.89	.51	.73	.93

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX27UH-042] [CBX40UHV-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1000	470	35.0	10.3	2.22	.75	.90	1.00	33.0	9.7	2.48	.77	.92	1.00	30.8	9.0	2.77	.80	.96	1.00	28.6	8.4	3.11	.83	.99	1.00
(17°C)	1200	565	36.2	10.6	2.23	.80	.96	1.00	34.2	10.0	2.50	.82	.98	1.00	32.0	9.4	2.79	.85	1.00	1.00	30.0	8.8	3.13	.89	1.00	1.00
67°F	1000	470	37.2	10.9	2.24	.59	.73	.86	35.0	10.3	2.51	.60	.75	.89	32.8	9.6	2.80	.62	.77	.92	30.4	8.9	3.13	.63	.80	.96
(19°C)	1200	565	38.5	11.3	2.26	.62	.77	.92	36.4	10.7	2.52	.63	.79	.95	34.0	10.0	2.82	.65	.82	.99	31.4	9.2	3.15	.67	.86	1.00
71°F	1000	470	39.5	11.6	2.27	.45	.58	.70	37.2	10.9	2.53	.45	.59	.72	34.8	10.2	2.83	.45	.60	.74	32.2	9.4	3.16	.46	.62	.77
(22°C)	1200	565	41.0	12.0	2.28	.46	.61	.75	38.5	11.3	2.55	.46	.62	.77	36.0	10.6	2.85	.47	.64	.80	33.4	9.8	3.18	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX27UH-042] [CBX40UHV-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	30.0	8.8	1.51	28.0	8.2	1.47	25.9	7.6	1.43	23.8	7.0	1.39
1200	565	30.6	9.0	1.43	28.5	8.4	1.39	26.5	7.8	1.35	24.4	7.2	1.30

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX27UH-042] [CBX40UHV-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	38.9	11.4	2.46	29.6	8.7	2.26	19.6	5.7	2.05	14.1	4.1	1.83	6.9	2.0	1.37
1200	565	39.6	11.6	2.36	30.3	8.9	2.16	20.3	5.9	1.95	14.8	4.3	1.73	7.6	2.2	1.26

HEATING PERFORMANCE at 1200cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CBX27UH-042] [CBX40UHV-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	39.6	11.6
60	16	2.31	37.5	11.0
55	13	2.26	35.4	10.4
50	10	2.22	33.3	9.8
47	8	2.19	32.1	9.4
45	7	2.16	30.3	8.9
40	4	2.07	25.8	7.6
35	2	1.99	21.3	6.2
30	-1	1.97	20.8	6.1
25	-4	1.95	20.3	5.9
20	-7	1.92	19.8	5.8
17	-8	1.91	19.5	5.7
15	-9	1.89	18.7	5.5
10	-12	1.84	16.6	4.9
5	-15	1.73	14.8	4.3
0	-18	1.61	13.0	3.8
-5	-21	1.50	11.2	3.3
-10	-23	1.38	9.4	2.8
-15	-26	1.26	7.6	2.2
-20	-29	1.15	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX32M-036] [CBX32M-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.20	.77	.92	1.00	24.8	7.3	1.39	.79	.95	1.00	23.2	6.8	1.61	.82	.98	1.00	21.8	6.4	1.87	.85	1.00	1.00
	900	425	26.8	7.9	1.20	.80	.96	1.00	25.4	7.4	1.40	.82	.99	1.00	24.0	7.0	1.62	.85	1.00	1.00	22.6	6.6	1.88	.88	1.00	1.00
	1000	470	27.6	8.1	1.21	.83	.99	1.00	26.2	7.7	1.40	.85	1.00	1.00	24.8	7.3	1.62	.88	1.00	1.00	23.2	6.8	1.88	.92	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.21	.60	.75	.88	26.4	7.7	1.41	.61	.76	.91	25.0	7.3	1.63	.63	.79	.94	23.2	6.8	1.88	.64	.82	.98
	900	425	28.8	8.4	1.22	.62	.77	.92	27.2	8.0	1.41	.63	.79	.95	25.6	7.5	1.63	.65	.82	.98	23.8	7.0	1.89	.67	.85	1.00
	1000	470	29.4	8.6	1.22	.64	.80	.96	27.8	8.1	1.42	.65	.83	.99	26.0	7.6	1.63	.67	.86	1.00	24.2	7.1	1.89	.69	.89	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.59	.72	28.2	8.3	1.42	.45	.60	.74	26.6	7.8	1.64	.46	.61	.76	24.8	7.3	1.89	.47	.63	.79
	900	425	30.6	9.0	1.23	.46	.60	.75	29.0	8.5	1.43	.46	.62	.77	27.2	8.0	1.64	.47	.63	.79	25.4	7.4	1.90	.48	.65	.82
	1000	470	31.2	9.1	1.24	.46	.62	.78	29.6	8.7	1.43	.47	.64	.80	27.8	8.1	1.65	.48	.66	.83	25.8	7.6	1.90	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX32M-036] [CBX32M-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	33.8	9.9	2.21	.75	.90	1.00	32.0	9.4	2.47	.77	.92	1.00	29.8	8.7	2.76	.80	.96	1.00	27.6	8.1	3.09	.83	.99	1.00
	1200	565	35.2	10.3	2.22	.80	.96	1.00	33.2	9.7	2.48	.82	.98	1.00	31.0	9.1	2.78	.85	1.00	1.00	29.0	8.5	3.11	.88	1.00	1.00
	1400	660	36.2	10.6	2.23	.84	1.00	1.00	34.2	10.0	2.50	.86	1.00	1.00	32.4	9.5	2.80	.90	1.00	1.00	30.2	8.9	3.13	.94	1.00	1.00
67°F (19°C)	1000	470	36.0	10.6	2.23	.59	.73	.86	34.0	10.0	2.49	.60	.75	.89	31.8	9.3	2.79	.62	.77	.92	29.6	8.7	3.12	.63	.80	.96
	1200	565	37.4	11.0	2.24	.62	.77	.92	35.2	10.3	2.51	.63	.79	.95	33.0	9.7	2.80	.65	.82	.98	30.4	8.9	3.13	.67	.86	1.00
	1400	660	38.5	11.3	2.26	.64	.81	.97	36.2	10.6	2.52	.66	.84	.99	33.8	9.9	2.81	.68	.87	1.00	31.2	9.1	3.14	.70	.91	1.00
71°F (22°C)	1000	470	38.0	11.1	2.25	.45	.58	.70	36.0	10.6	2.52	.45	.59	.72	33.8	9.9	2.81	.46	.60	.74	31.4	9.2	3.15	.46	.62	.77
	1200	565	39.5	11.6	2.27	.46	.60	.75	37.4	11.0	2.53	.46	.62	.77	35.0	10.3	2.83	.47	.64	.80	32.4	9.5	3.16	.48	.66	.83
	1400	660	40.5	11.9	2.28	.47	.63	.79	38.5	11.3	2.55	.48	.65	.82	35.8	10.5	2.84	.48	.67	.85	33.2	9.7	3.17	.49	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX32M-036] [CBX32M-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.5	8.6	1.67	27.4	8.0	1.62	25.3	7.4	1.56	23.3	6.8	1.51
900	425	29.7	8.7	1.60	27.7	8.1	1.55	25.6	7.5	1.49	23.5	6.9	1.44
1000	470	30.4	8.9	1.54	28.4	8.3	1.49	26.3	7.7	1.44	24.3	7.1	1.39

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX32M-036] [CBX32M-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1000	470	39.4	11.5	2.51	30.1	8.8	2.29	20.2	5.9	2.06	14.7	4.3	1.84	7.2	2.1	1.37
1200	565	40.0	11.7	2.41	30.8	9.0	2.19	20.8	6.1	1.96	15.3	4.5	1.74	7.9	2.3	1.27
1400	660	40.8	12.0	2.33	31.5	9.2	2.11	21.6	6.3	1.88	16.1	4.7	1.66	8.6	2.5	1.19

HEATING PERFORMANCE at 1200cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CBX32M-036] [CBX32M-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	40.0	11.7
60	16	2.36	38.0	11.1
55	13	2.31	35.9	10.5
50	10	2.25	33.8	9.9
47	8	2.22	32.6	9.6
45	7	2.19	30.8	9.0
40	4	2.10	26.3	7.7
35	2	2.01	21.8	6.4
30	-1	1.99	21.3	6.2
25	-4	1.96	20.8	6.1
20	-7	1.94	20.4	6.0
17	-8	1.92	20.1	5.9
15	-9	1.90	19.3	5.7
10	-12	1.85	17.2	5.0
5	-15	1.74	15.3	4.5
0	-18	1.62	13.5	4.0
-5	-21	1.50	11.6	3.4
-10	-23	1.39	9.8	2.9
-15	-26	1.27	7.9	2.3
-20	-29	1.15	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX32M-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.6	7.8	1.20	.77	.93	1.00	25.2	7.4	1.40	.79	.95	1.00	23.8	7.0	1.62	.82	.98	1.00	22.2	6.5	1.88	.85	1.00	1.00
	900	425	27.4	8.0	1.21	.80	.96	1.00	26.0	7.6	1.40	.83	.99	1.00	24.6	7.2	1.62	.85	1.00	1.00	23.2	6.8	1.88	.89	1.00	1.00
	1000	470	28.2	8.3	1.21	.83	1.00	1.00	26.8	7.9	1.41	.86	1.00	1.00	25.4	7.4	1.63	.89	1.00	1.00	24.0	7.0	1.89	.93	1.00	1.00
67°F (19°C)	800	380	28.6	8.4	1.22	.60	.75	.88	27.0	7.9	1.41	.61	.77	.91	25.4	7.4	1.63	.63	.79	.94	23.8	7.0	1.89	.64	.82	.98
	900	425	29.4	8.6	1.22	.62	.78	.93	27.8	8.1	1.42	.63	.80	.96	26.0	7.6	1.64	.65	.82	.99	24.2	7.1	1.89	.67	.86	1.00
	1000	470	30.0	8.8	1.23	.64	.81	.96	28.4	8.3	1.42	.65	.83	.99	26.6	7.8	1.64	.67	.86	1.00	24.8	7.3	1.89	.69	.89	1.00
71°F (22°C)	800	380	30.4	8.9	1.23	.45	.59	.72	28.8	8.4	1.42	.46	.60	.74	27.2	8.0	1.64	.46	.61	.76	25.4	7.4	1.90	.47	.63	.79
	900	425	31.2	9.1	1.24	.46	.61	.75	29.6	8.7	1.43	.46	.62	.77	27.8	8.1	1.65	.47	.64	.80	26.0	7.6	1.90	.48	.65	.83
	1000	470	32.0	9.4	1.24	.47	.63	.78	30.2	8.9	1.44	.47	.64	.80	28.4	8.3	1.65	.48	.66	.83	26.4	7.7	1.91	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX32M-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.0	10.3	2.22	.75	.90	1.00	32.8	9.6	2.48	.77	.92	1.00	30.8	9.0	2.77	.79	.96	1.00	28.6	8.4	3.11	.83	.99	1.00
	1200	565	36.4	10.7	2.23	.80	.96	1.00	34.2	10.0	2.50	.82	.98	1.00	32.2	9.4	2.79	.85	1.00	1.00	30.0	8.8	3.13	.88	1.00	1.00
	1400	660	37.6	11.0	2.25	.84	1.00	1.00	35.6	10.4	2.51	.87	1.00	1.00	33.6	9.8	2.81	.90	1.00	1.00	31.4	9.2	3.15	.94	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.24	.59	.73	.86	35.0	10.3	2.51	.60	.75	.89	32.8	9.6	2.80	.62	.77	.92	30.4	8.9	3.13	.63	.80	.96
	1200	565	38.5	11.3	2.26	.62	.77	.92	36.4	10.7	2.52	.63	.80	.95	34.0	10.0	2.82	.65	.82	.98	31.4	9.2	3.15	.67	.86	1.00
	1400	660	39.5	11.6	2.27	.65	.82	.97	37.4	11.0	2.53	.66	.84	1.00	34.8	10.2	2.83	.68	.88	1.00	32.2	9.4	3.16	.70	.92	1.00
71°F (22°C)	1000	470	39.0	11.4	2.26	.45	.58	.70	37.0	10.8	2.53	.45	.59	.72	34.8	10.2	2.83	.46	.60	.74	32.2	9.4	3.16	.46	.62	.77
	1200	565	41.0	12.0	2.28	.46	.61	.75	38.5	11.3	2.55	.46	.62	.77	36.0	10.6	2.84	.47	.64	.80	33.4	9.8	3.18	.48	.66	.83
	1400	660	42.0	12.3	2.30	.47	.63	.79	39.5	11.6	2.56	.48	.65	.82	37.0	10.8	2.86	.48	.67	.85	34.2	10.0	3.19	.49	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX32M-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.6	8.7	1.65	27.5	8.1	1.60	25.5	7.5	1.55	23.4	6.9	1.50
900	425	30.0	8.8	1.58	28.0	8.2	1.53	25.9	7.6	1.48	23.8	7.0	1.43
1000	470	30.6	9.0	1.52	28.5	8.4	1.47	26.4	7.7	1.43	24.3	7.1	1.38

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX32M-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.5	11.6	2.47	30.2	8.9	2.27	20.3	5.9	2.05	14.7	4.3	1.84	7.4	2.2	1.37
1200	565	40.0	11.7	2.37	30.7	9.0	2.16	20.8	6.1	1.95	15.2	4.5	1.73	7.9	2.3	1.26
1400	660	41.0	12.0	2.29	31.7	9.3	2.08	21.8	6.4	1.87	16.2	4.7	1.65	8.9	2.6	1.19

HEATING PERFORMANCE at 1200cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CBX32M-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.37	40.0	11.7
60	16	2.32	37.9	11.1
55	13	2.27	35.9	10.5
50	10	2.22	33.8	9.9
47	8	2.20	32.5	9.5
45	7	2.16	30.7	9.0
40	4	2.08	26.2	7.7
35	2	1.99	21.7	6.4
30	-1	1.97	21.2	6.2
25	-4	1.95	20.8	6.1
20	-7	1.92	20.3	5.9
17	-8	1.91	20.0	5.9
15	-9	1.89	19.2	5.6
10	-12	1.85	17.1	5.0
5	-15	1.73	15.2	4.5
0	-18	1.61	13.4	3.9
-5	-21	1.50	11.5	3.4
-10	-23	1.38	9.7	2.8
-15	-26	1.26	7.9	2.3
-20	-29	1.15	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	755	355	25.8	7.6	1.20	.76	.91	1.00	24.4	7.2	1.39	.78	.93	1.00	23.0	6.7	1.61	.80	.96	1.00	21.4	6.3	1.87	.83	.99	1.00
	855	405	26.6	7.8	1.20	.79	.95	1.00	25.2	7.4	1.40	.81	.97	1.00	23.6	6.9	1.62	.84	1.00	1.00	22.2	6.5	1.87	.87	1.00	1.00
	955	450	27.2	8.0	1.21	.82	.98	1.00	25.8	7.6	1.40	.84	1.00	1.00	24.4	7.2	1.62	.87	1.00	1.00	23.0	6.7	1.88	.91	1.00	1.00
67°F (19°C)	755	355	27.6	8.1	1.21	.60	.73	.87	26.2	7.7	1.40	.61	.75	.89	24.6	7.2	1.62	.62	.77	.93	23.0	6.7	1.88	.64	.80	.96
	855	405	28.4	8.3	1.22	.61	.76	.91	27.0	7.9	1.41	.62	.78	.94	25.2	7.4	1.63	.64	.81	.97	23.4	6.9	1.88	.66	.84	1.00
	955	450	29.2	8.6	1.22	.63	.79	.95	27.6	8.1	1.41	.64	.81	.97	25.8	7.6	1.63	.66	.84	1.00	24.0	7.0	1.89	.68	.88	1.00
71°F (22°C)	755	355	29.4	8.6	1.22	.45	.58	.70	27.8	8.1	1.42	.45	.59	.72	26.2	7.7	1.64	.46	.60	.74	24.4	7.2	1.89	.46	.62	.77
	855	405	30.2	8.9	1.23	.45	.60	.73	28.6	8.4	1.42	.46	.61	.75	27.0	7.9	1.64	.47	.62	.78	25.2	7.4	1.90	.47	.64	.81
	955	450	31.0	9.1	1.24	.46	.61	.76	29.4	8.6	1.43	.47	.63	.78	27.4	8.0	1.65	.47	.65	.81	25.6	7.5	1.90	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1025	485	34.2	10.0	2.21	.76	.90	1.00	32.2	9.4	2.47	.78	.93	1.00	30.0	8.8	2.76	.80	.97	1.00	27.8	8.1	3.09	.83	1.00	1.00
	1225	580	35.4	10.4	2.22	.80	.96	1.00	33.4	9.8	2.48	.82	.99	1.00	31.2	9.1	2.78	.85	1.00	1.00	29.2	8.6	3.11	.89	1.00	1.00
	1425	675	36.4	10.7	2.23	.84	1.00	1.00	34.4	10.1	2.50	.87	1.00	1.00	32.6	9.6	2.80	.90	1.00	1.00	30.4	8.9	3.13	.95	1.00	1.00
67°F (19°C)	1025	485	36.2	10.6	2.23	.60	.73	.87	34.2	10.0	2.50	.61	.75	.89	32.0	9.4	2.79	.62	.78	.93	29.6	8.7	3.12	.64	.81	.97
	1225	580	37.6	11.0	2.25	.62	.78	.93	35.4	10.4	2.51	.63	.80	.96	33.0	9.7	2.80	.65	.83	.99	30.6	9.0	3.13	.67	.86	1.00
	1425	675	38.5	11.3	2.26	.65	.82	.98	36.4	10.7	2.52	.66	.85	1.00	33.8	9.9	2.81	.68	.88	1.00	31.2	9.1	3.14	.71	.92	1.00
71°F (22°C)	1025	485	38.5	11.3	2.25	.45	.58	.71	36.2	10.6	2.52	.45	.59	.73	33.8	9.9	2.81	.46	.61	.75	31.4	9.2	3.15	.47	.63	.78
	1225	580	39.5	11.6	2.27	.46	.61	.75	37.6	11.0	2.53	.46	.62	.77	35.0	10.3	2.83	.47	.64	.80	32.4	9.5	3.16	.48	.66	.84
	1425	675	41.0	12.0	2.28	.47	.63	.79	38.5	11.3	2.55	.48	.65	.82	36.0	10.6	2.84	.48	.67	.85	33.2	9.7	3.18	.50	.70	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
755	355	29.2	8.6	1.70	27.2	8.0	1.65	25.1	7.4	1.60	23.1	6.8	1.54
855	405	29.0	8.5	1.62	27.0	7.9	1.57	24.9	7.3	1.52	22.9	6.7	1.46
955	450	30.3	8.9	1.57	28.2	8.3	1.52	26.2	7.7	1.46	24.1	7.1	1.41

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1025	485	39.5	11.6	2.49	30.2	8.9	2.28	20.3	5.9	2.06	14.8	4.3	1.83	7.6	2.2	1.37
1225	580	39.6	11.6	2.39	30.4	8.9	2.18	20.5	6.0	1.96	15.0	4.4	1.73	7.7	2.3	1.27
1425	675	40.8	12.0	2.32	31.6	9.3	2.10	21.7	6.4	1.88	16.2	4.7	1.66	9.0	2.6	1.19

HEATING PERFORMANCE at 1225cfm (580 L/s) Indoor Coil Air Volume
XP19-036 with [CBX32MV-036] [CBX40UHV-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	39.6	11.6
60	16	2.34	37.5	11.0
55	13	2.29	35.5	10.4
50	10	2.24	33.4	9.8
47	8	2.21	32.1	9.4
45	7	2.18	30.4	8.9
40	4	2.09	25.9	7.6
35	2	2.00	21.4	6.3
30	-1	1.98	21.0	6.2
25	-4	1.96	20.5	6.0
20	-7	1.93	20.0	5.9
17	-8	1.92	19.7	5.8
15	-9	1.90	18.9	5.5
10	-12	1.85	16.8	4.9
5	-15	1.73	15.0	4.4
0	-18	1.62	13.2	3.9
-5	-21	1.50	11.3	3.3
-10	-23	1.38	9.5	2.8
-15	-26	1.27	7.7	2.3
-20	-29	1.15	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CBX32MV-048] [CBX40UHV-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	750	355	26.2	7.7	1.20	.76	.90	1.00	24.8	7.3	1.39	.78	.93	1.00	23.4	6.9	1.61	.80	.96	1.00	21.8	6.4	1.87	.83	1.00	1.00
	850	400	27.0	7.9	1.21	.79	.95	1.00	25.6	7.5	1.40	.81	.97	1.00	24.2	7.1	1.62	.83	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	950	450	27.8	8.1	1.21	.82	.98	1.00	26.4	7.7	1.40	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.91	1.00	1.00
67°F (19°C)	750	355	28.2	8.3	1.21	.60	.73	.86	26.6	7.8	1.41	.61	.75	.89	25.0	7.3	1.63	.62	.77	.92	23.4	6.9	1.88	.63	.80	.96
	850	400	29.0	8.5	1.22	.61	.76	.91	27.4	8.0	1.41	.62	.78	.93	25.8	7.6	1.63	.64	.81	.97	24.0	7.0	1.89	.66	.84	1.00
	950	450	29.8	8.7	1.23	.63	.79	.95	28.0	8.2	1.42	.64	.81	.97	26.4	7.7	1.64	.66	.84	1.00	24.4	7.2	1.89	.68	.88	1.00
71°F (22°C)	750	355	29.8	8.7	1.23	.45	.58	.70	28.4	8.3	1.42	.45	.59	.72	26.6	7.8	1.64	.46	.60	.74	25.0	7.3	1.90	.46	.62	.77
	850	400	30.8	9.0	1.23	.46	.60	.73	29.2	8.6	1.43	.46	.61	.75	27.4	8.0	1.65	.46	.62	.78	25.6	7.5	1.90	.47	.64	.81
	950	450	31.6	9.3	1.24	.46	.62	.76	30.0	8.8	1.43	.47	.63	.79	28.2	8.3	1.65	.47	.65	.81	26.2	7.7	1.91	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CBX32MV-048] [CBX40UHV-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1050	495	35.2	10.3	2.22	.76	.91	1.00	33.4	9.8	2.48	.78	.94	1.00	31.0	9.1	2.78	.81	.97	1.00	28.8	8.4	3.11	.84	1.00	1.00
	1250	590	36.6	10.7	2.24	.81	.97	1.00	34.6	10.1	2.50	.83	.99	1.00	32.4	9.5	2.80	.86	1.00	1.00	30.4	8.9	3.13	.90	1.00	1.00
	1450	685	37.8	11.1	2.25	.85	1.00	1.00	36.0	10.6	2.52	.88	1.00	1.00	33.8	9.9	2.81	.91	1.00	1.00	31.6	9.3	3.15	.95	1.00	1.00
67°F (19°C)	1050	495	37.6	11.0	2.25	.60	.74	.88	35.4	10.4	2.51	.61	.76	.90	33.2	9.7	2.81	.62	.78	.94	30.6	9.0	3.14	.64	.81	.98
	1250	590	39.0	11.4	2.26	.63	.78	.94	36.6	10.7	2.53	.64	.81	.97	34.2	10.0	2.82	.66	.84	1.00	31.6	9.3	3.15	.68	.87	1.00
	1450	685	40.0	11.7	2.27	.65	.83	.99	37.6	11.0	2.54	.67	.86	1.00	35.0	10.3	2.83	.69	.89	1.00	32.4	9.5	3.16	.70	.93	1.00
71°F (22°C)	1050	495	39.5	11.6	2.27	.45	.59	.71	37.4	11.0	2.54	.45	.60	.73	35.2	10.3	2.83	.46	.61	.76	32.6	9.6	3.17	.47	.63	.79
	1250	590	41.0	12.0	2.29	.46	.61	.76	39.0	11.4	2.55	.47	.63	.78	36.4	10.7	2.85	.47	.64	.81	33.6	9.8	3.18	.48	.67	.85
	1450	685	42.5	12.5	2.30	.47	.64	.80	40.0	11.7	2.56	.48	.66	.83	37.2	10.9	2.86	.49	.68	.86	34.4	10.1	3.19	.50	.70	.91

FIRST STAGE HEATING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
750	355	29.2	8.6	1.69	27.2	8.0	1.64	25.1	7.4	1.58	23.1	6.8	1.53
850	400	29.0	8.5	1.61	27.0	7.9	1.56	24.9	7.3	1.51	22.9	6.7	1.46
950	450	30.3	8.9	1.55	28.3	8.3	1.50	26.2	7.7	1.45	24.2	7.1	1.40

SECOND STAGE HEATING CAPACITY - XP19-036 with [CBX32MV-036] [CBX40UHV-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1050	495	39.8	11.7	2.44	30.4	8.9	2.24	20.4	6.0	2.03	14.9	4.4	1.81	7.8	2.3	1.35
1250	590	39.7	11.6	2.34	30.3	8.9	2.14	20.3	5.9	1.93	14.8	4.3	1.72	7.6	2.2	1.26
1450	685	41.2	12.1	2.27	31.9	9.3	2.07	21.9	6.4	1.86	16.3	4.8	1.65	9.2	2.7	1.18

HEATING PERFORMANCE at 1250cfm (590 L/s) Indoor Coil Air Volume XP19-036 with [CBX32MV-036] [CBX40UHV-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.34	39.7	11.6
60	16	2.30	37.6	11.0
55	13	2.25	35.5	10.4
50	10	2.20	33.4	9.8
47	8	2.18	32.1	9.4
45	7	2.14	30.3	8.9
40	4	2.06	25.8	7.6
35	2	1.98	21.4	6.3
30	-1	1.96	20.8	6.1
25	-4	1.93	20.3	5.9
20	-7	1.91	19.8	5.8
17	-8	1.90	19.5	5.7
15	-9	1.88	18.7	5.5
10	-12	1.84	16.6	4.9
5	-15	1.72	14.8	4.3
0	-18	1.60	13.0	3.8
-5	-21	1.49	11.2	3.3
-10	-23	1.37	9.4	2.8
-15	-26	1.26	7.6	2.2
-20	-29	1.14	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [C33-44C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.20	.76	.90	1.00	24.8	7.3	1.40	.78	.93	1.00	23.4	6.9	1.62	.80	.96	1.00	21.8	6.4	1.88	.83	.99	1.00
	900	425	27.0	7.9	1.21	.78	.94	1.00	25.6	7.5	1.40	.80	.97	1.00	24.0	7.0	1.62	.83	1.00	1.00	22.6	6.6	1.88	.86	1.00	1.00
	1000	470	27.6	8.1	1.21	.81	.97	1.00	26.2	7.7	1.41	.83	1.00	1.00	24.8	7.3	1.63	.86	1.00	1.00	23.4	6.9	1.89	.90	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.60	.73	.87	26.6	7.8	1.41	.60	.75	.89	25.2	7.4	1.63	.62	.77	.92	23.4	6.9	1.89	.63	.80	.96
	900	425	29.0	8.5	1.22	.61	.76	.90	27.4	8.0	1.42	.62	.78	.93	25.8	7.6	1.64	.64	.80	.96	24.0	7.0	1.89	.65	.83	.99
	1000	470	29.6	8.7	1.23	.63	.78	.94	28.0	8.2	1.42	.64	.81	.96	26.2	7.7	1.64	.65	.83	.99	24.4	7.2	1.90	.67	.87	1.00
71°F (22°C)	800	380	30.0	8.8	1.23	.45	.58	.71	28.6	8.4	1.42	.45	.59	.72	26.8	7.9	1.65	.46	.60	.74	25.0	7.3	1.90	.46	.62	.77
	900	425	30.8	9.0	1.24	.46	.60	.73	29.2	8.6	1.43	.46	.61	.75	27.6	8.1	1.65	.46	.62	.77	25.6	7.5	1.91	.47	.64	.80
	1000	470	31.6	9.3	1.24	.46	.61	.76	30.0	8.8	1.43	.47	.62	.78	28.2	8.3	1.66	.47	.64	.80	26.2	7.7	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [C33-44C]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.2	10.0	2.21	.74	.87	1.00	32.4	9.5	2.48	.75	.90	1.00	30.4	8.9	2.77	.78	.93	1.00	28.0	8.2	3.11	.80	.97	1.00
	1200	565	35.6	10.4	2.23	.77	.93	1.00	33.6	9.8	2.49	.79	.96	1.00	31.4	9.2	2.79	.82	.99	1.00	29.2	8.6	3.12	.85	1.00	1.00
	1400	660	36.6	10.7	2.24	.81	.98	1.00	34.6	10.1	2.50	.84	1.00	1.00	32.6	9.6	2.80	.86	1.00	1.00	30.6	9.0	3.15	.90	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.24	.58	.71	.84	34.6	10.1	2.50	.59	.73	.86	32.4	9.5	2.80	.61	.75	.89	30.0	8.8	3.14	.62	.78	.93
	1200	565	38.0	11.1	2.25	.61	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.80	.95	31.0	9.1	3.15	.65	.83	.99
	1400	660	39.0	11.4	2.27	.63	.79	.94	36.8	10.8	2.53	.64	.81	.97	34.4	10.1	2.83	.66	.84	1.00	31.8	9.3	3.16	.68	.88	1.00
71°F (22°C)	1000	470	38.5	11.3	2.26	.44	.57	.69	36.6	10.7	2.53	.45	.58	.70	34.4	10.1	2.83	.45	.59	.72	32.0	9.4	3.16	.46	.61	.75
	1200	565	40.0	11.7	2.28	.45	.59	.72	38.0	11.1	2.54	.46	.60	.74	35.6	10.4	2.84	.46	.62	.77	33.2	9.7	3.18	.47	.64	.80
	1400	660	41.5	12.2	2.29	.46	.61	.76	39.0	11.4	2.56	.47	.63	.78	36.6	10.7	2.86	.48	.65	.81	34.0	10.0	3.19	.48	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [C33-44C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.0	8.5	1.80	27.0	7.9	1.74	25.0	7.3	1.68	23.0	6.7	1.63
900	425	29.5	8.6	1.72	27.5	8.1	1.66	25.5	7.5	1.61	23.5	6.9	1.55
1000	470	30.0	8.8	1.65	28.0	8.2	1.59	26.0	7.6	1.54	24.0	7.0	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [C33-44C]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1000	470	38.8	11.4	2.67	29.7	8.7	2.44	19.9	5.8	2.20	14.5	4.2	1.95	7.0	2.1	1.46
1200	565	39.6	11.6	2.55	30.5	8.9	2.32	20.7	6.1	2.08	15.3	4.5	1.84	7.9	2.3	1.35
1400	660	40.3	11.8	2.47	31.2	9.1	2.24	21.4	6.3	1.99	16.0	4.7	1.75	8.6	2.5	1.26

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with [C33-44C]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.55	39.6	11.6
60	16	2.50	37.6	11.0
55	13	2.44	35.5	10.4
50	10	2.39	33.5	9.8
47	8	2.36	32.3	9.5
45	7	2.32	30.5	8.9
40	4	2.23	26.1	7.6
35	2	2.14	21.6	6.3
30	-1	2.11	21.2	6.2
25	-4	2.08	20.7	6.1
20	-7	2.05	20.3	5.9
17	-8	2.04	20.0	5.9
15	-9	2.01	19.2	5.6
10	-12	1.96	17.2	5.0
5	-15	1.84	15.3	4.5
0	-18	1.71	13.5	4.0
-5	-21	1.59	11.6	3.4
-10	-23	1.47	9.7	2.8
-15	-26	1.35	7.9	2.3
-20	-29	1.22	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B/C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.20	.76	.90	1.00	24.8	7.3	1.40	.78	.93	1.00	23.4	6.9	1.62	.80	.96	1.00	21.8	6.4	1.88	.83	.99	1.00
	900	425	27.0	7.9	1.21	.78	.94	1.00	25.6	7.5	1.40	.80	.97	1.00	24.0	7.0	1.62	.83	.99	1.00	22.6	6.6	1.88	.86	1.00	1.00
	1000	470	27.6	8.1	1.21	.81	.97	1.00	26.0	7.6	1.41	.83	1.00	1.00	24.8	7.3	1.63	.86	1.00	1.00	23.4	6.9	1.89	.89	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.21	.60	.73	.86	26.6	7.8	1.41	.60	.75	.89	25.2	7.4	1.63	.62	.77	.92	23.4	6.9	1.89	.63	.80	.95
	900	425	28.8	8.4	1.22	.61	.76	.90	27.4	8.0	1.41	.62	.77	.93	25.8	7.6	1.64	.64	.80	.96	24.0	7.0	1.89	.65	.83	.99
	1000	470	29.6	8.7	1.23	.63	.78	.93	28.0	8.2	1.42	.64	.80	.96	26.4	7.7	1.64	.65	.83	.99	24.4	7.2	1.90	.67	.87	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.58	.70	28.4	8.3	1.42	.45	.59	.72	26.8	7.9	1.64	.46	.60	.74	25.0	7.3	1.90	.46	.62	.77
	900	425	30.8	9.0	1.24	.46	.60	.73	29.2	8.6	1.43	.46	.61	.75	27.6	8.1	1.65	.46	.62	.77	25.8	7.6	1.91	.47	.64	.80
	1000	470	31.4	9.2	1.24	.47	.61	.75	29.8	8.7	1.43	.47	.62	.77	28.2	8.3	1.65	.47	.64	.80	26.2	7.7	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B/C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.4	10.1	2.21	.74	.87	.99	32.4	9.5	2.48	.75	.90	1.00	30.4	8.9	2.78	.77	.93	1.00	28.2	8.3	3.11	.80	.96	1.00
	1200	565	35.8	10.5	2.23	.77	.92	1.00	33.8	9.9	2.49	.79	.95	1.00	31.6	9.3	2.79	.82	.98	1.00	29.4	8.6	3.13	.85	1.00	1.00
	1400	660	36.8	10.8	2.24	.81	.97	1.00	34.8	10.2	2.51	.83	1.00	1.00	32.6	9.6	2.81	.86	1.00	1.00	30.6	9.0	3.15	.90	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.24	.58	.71	.83	34.6	10.1	2.50	.59	.73	.86	32.4	9.5	2.80	.60	.75	.89	30.2	8.9	3.14	.62	.77	.93
	1200	565	38.0	11.1	2.25	.60	.75	.89	36.0	10.6	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.79	.95	31.2	9.1	3.15	.65	.82	.99
	1400	660	39.0	11.4	2.27	.63	.78	.94	37.0	10.8	2.53	.64	.81	.97	34.6	10.1	2.83	.66	.84	1.00	32.0	9.4	3.17	.68	.87	1.00
71°F (22°C)	1000	470	38.5	11.3	2.26	.45	.57	.68	36.6	10.7	2.53	.45	.58	.70	34.4	10.1	2.83	.45	.59	.72	32.0	9.4	3.17	.46	.60	.75
	1200	565	40.5	11.9	2.28	.46	.59	.72	38.0	11.1	2.55	.46	.60	.74	35.8	10.5	2.85	.46	.62	.77	33.2	9.7	3.19	.47	.64	.80
	1400	660	41.5	12.2	2.29	.47	.61	.76	39.0	11.4	2.56	.47	.63	.78	36.8	10.8	2.86	.48	.65	.81	34.0	10.0	3.20	.48	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B/C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	28.8	8.4	1.84	26.8	7.9	1.79	24.8	7.3	1.73	22.8	6.7	1.67
900	425	29.3	8.6	1.76	27.3	8.0	1.71	25.3	7.4	1.65	23.3	6.8	1.59
1000	470	29.7	8.7	1.70	27.7	8.1	1.65	25.8	7.6	1.59	23.8	7.0	1.53

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B/C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	38.3	11.2	2.75	29.3	8.6	2.50	19.7	5.8	2.24	14.4	4.2	1.99	6.9	2.0	1.49
1200	565	39.2	11.5	2.63	30.2	8.9	2.38	20.6	6.0	2.12	15.3	4.5	1.87	7.8	2.3	1.37
1400	660	39.9	11.7	2.54	30.9	9.1	2.29	21.3	6.2	2.03	16.0	4.7	1.78	8.5	2.5	1.28

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with [CX34-44/48B/C-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.63	39.2	11.5
60	16	2.57	37.2	10.9
55	13	2.51	35.2	10.3
50	10	2.45	33.2	9.7
47	8	2.42	32.0	9.4
45	7	2.38	30.2	8.9
40	4	2.28	25.8	7.6
35	2	2.18	21.4	6.3
30	-1	2.15	21.0	6.2
25	-4	2.12	20.6	6.0
20	-7	2.09	20.2	5.9
17	-8	2.07	19.9	5.8
15	-9	2.05	19.1	5.6
10	-12	1.99	17.1	5.0
5	-15	1.87	15.3	4.5
0	-18	1.74	13.4	3.9
-5	-21	1.62	11.5	3.4
-10	-23	1.49	9.7	2.8
-15	-26	1.37	7.8	2.3
-20	-29	1.24	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-38B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.20	.77	.91	1.00	25.2	7.4	1.40	.78	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	900	425	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.98	1.00	24.4	7.2	1.62	.84	1.00	1.00	22.8	6.7	1.89	.87	1.00	1.00
	1000	470	28.0	8.2	1.21	.82	.98	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.2	7.4	1.63	.87	1.00	1.00	23.6	6.9	1.89	.91	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.22	.60	.74	.87	27.0	7.9	1.41	.61	.76	.90	25.4	7.4	1.63	.62	.78	.93	23.6	6.9	1.89	.64	.81	.97
	900	425	29.2	8.6	1.22	.62	.77	.91	27.6	8.1	1.42	.63	.79	.94	26.0	7.6	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
	1000	470	30.0	8.8	1.23	.63	.79	.95	28.2	8.3	1.42	.64	.82	.98	26.6	7.8	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.88	1.00
71°F (22°C)	800	380	30.2	8.9	1.23	.45	.58	.71	28.8	8.4	1.43	.45	.59	.73	27.0	7.9	1.65	.46	.61	.75	25.4	7.4	1.90	.46	.62	.78
	900	425	31.2	9.1	1.24	.46	.60	.74	29.6	8.7	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.78	26.0	7.6	1.91	.47	.64	.81
	1000	470	31.8	9.3	1.24	.47	.62	.77	30.2	8.9	1.44	.47	.63	.79	28.4	8.3	1.66	.47	.65	.81	26.4	7.7	1.91	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-38B-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.22	.74	.88	1.00	32.8	9.6	2.48	.76	.91	1.00	30.6	9.0	2.78	.78	.94	1.00	28.4	8.3	3.11	.81	.98	1.00
	1200	565	36.0	10.6	2.23	.78	.94	1.00	34.0	10.0	2.50	.81	.97	1.00	31.8	9.3	2.79	.83	1.00	1.00	29.8	8.7	3.13	.87	1.00	1.00
	1400	660	37.2	10.9	2.24	.82	.99	1.00	35.0	10.3	2.51	.85	1.00	1.00	33.2	9.7	2.81	.88	1.00	1.00	31.0	9.1	3.15	.92	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.24	.59	.72	.85	34.8	10.2	2.51	.60	.74	.87	32.8	9.6	2.81	.61	.76	.90	30.4	8.9	3.14	.63	.79	.94
	1200	565	38.5	11.3	2.26	.61	.76	.90	36.2	10.6	2.52	.62	.78	.94	33.8	9.9	2.82	.64	.81	.97	31.4	9.2	3.16	.66	.84	1.00
	1400	660	39.5	11.6	2.27	.63	.80	.96	37.2	10.9	2.54	.65	.82	.99	34.8	10.2	2.83	.67	.85	1.00	32.2	9.4	3.17	.69	.89	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.44	.57	.69	37.0	10.8	2.53	.45	.58	.71	34.6	10.1	2.83	.45	.59	.73	32.2	9.4	3.17	.46	.61	.76
	1200	565	40.5	11.9	2.28	.45	.60	.73	38.5	11.3	2.55	.46	.61	.76	36.0	10.6	2.85	.47	.63	.78	33.4	9.8	3.19	.47	.65	.81
	1400	660	42.0	12.3	2.30	.47	.62	.78	39.5	11.6	2.56	.47	.64	.80	37.0	10.8	2.86	.48	.66	.83	34.2	10.0	3.20	.49	.68	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-38B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.2	8.6	1.77	27.1	7.9	1.72	25.1	7.4	1.66	23.0	6.7	1.61
900	425	29.8	8.7	1.69	27.7	8.1	1.63	25.7	7.5	1.58	23.6	6.9	1.53
1000	470	30.2	8.9	1.62	28.2	8.3	1.57	26.1	7.6	1.52	24.1	7.1	1.47

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-38B-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.0	11.4	2.62	29.8	8.7	2.41	19.9	5.8	2.18	14.5	4.2	1.95	7.0	2.1	1.45
1200	565	39.8	11.7	2.51	30.6	9.0	2.30	20.8	6.1	2.07	15.3	4.5	1.84	7.9	2.3	1.34
1400	660	40.5	11.9	2.42	31.3	9.2	2.21	21.5	6.3	1.98	16.0	4.7	1.75	8.6	2.5	1.26

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-38B-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	39.8	11.7
60	16	2.46	37.8	11.1
55	13	2.41	35.7	10.5
50	10	2.36	33.7	9.9
47	8	2.33	32.4	9.5
45	7	2.30	30.6	9.0
40	4	2.21	26.2	7.7
35	2	2.12	21.7	6.4
30	-1	2.10	21.3	6.2
25	-4	2.07	20.8	6.1
20	-7	2.05	20.4	6.0
17	-8	2.03	20.1	5.9
15	-9	2.01	19.3	5.7
10	-12	1.96	17.2	5.0
5	-15	1.84	15.3	4.5
0	-18	1.72	13.5	4.0
-5	-21	1.59	11.6	3.4
-10	-23	1.47	9.8	2.9
-15	-26	1.34	7.9	2.3
-20	-29	1.22	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.20	.76	.90	1.00	25.0	7.3	1.40	.78	.93	1.00	23.6	6.9	1.62	.80	.96	1.00	22.0	6.4	1.88	.83	1.00	1.00
	900	425	27.2	8.0	1.21	.79	.94	1.00	25.8	7.6	1.40	.81	.97	1.00	24.2	7.1	1.63	.83	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	1000	470	27.8	8.1	1.21	.81	.97	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.90	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.21	.60	.74	.87	26.6	7.8	1.41	.61	.75	.89	25.2	7.4	1.63	.62	.78	.92	23.6	6.9	1.89	.63	.80	.96
	900	425	29.0	8.5	1.22	.62	.76	.90	27.4	8.0	1.42	.63	.78	.93	25.8	7.6	1.64	.64	.81	.96	24.0	7.0	1.89	.66	.84	1.00
	1000	470	29.6	8.7	1.23	.63	.78	.93	28.0	8.2	1.42	.64	.81	.97	26.4	7.7	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.87	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.46	.59	.71	28.4	8.3	1.42	.46	.60	.73	26.8	7.9	1.64	.46	.61	.75	25.2	7.4	1.90	.47	.62	.77
	900	425	30.6	9.0	1.23	.46	.60	.73	29.0	8.5	1.43	.47	.61	.75	27.4	8.0	1.65	.47	.63	.78	25.8	7.6	1.91	.48	.65	.81
	1000	470	31.4	9.2	1.24	.47	.62	.76	29.8	8.7	1.43	.47	.63	.78	28.0	8.2	1.65	.48	.65	.81	26.2	7.7	1.91	.49	.67	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.22	.74	.88	1.00	32.8	9.6	2.49	.76	.90	1.00	30.8	9.0	2.78	.78	.93	1.00	28.6	8.4	3.12	.81	.97	1.00
	1200	565	36.2	10.6	2.23	.78	.93	1.00	34.2	10.0	2.50	.80	.96	1.00	32.0	9.4	2.80	.82	.99	1.00	29.8	8.7	3.13	.86	1.00	1.00
	1400	660	37.2	10.9	2.25	.81	.97	1.00	35.2	10.3	2.51	.84	1.00	1.00	33.2	9.7	2.81	.87	1.00	1.00	31.2	9.1	3.15	.91	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.24	.59	.72	.84	34.6	10.1	2.51	.59	.74	.86	32.6	9.6	2.80	.61	.76	.89	30.4	8.9	3.14	.62	.78	.93
	1200	565	38.0	11.1	2.26	.61	.75	.89	36.2	10.6	2.52	.62	.77	.92	33.8	9.9	2.82	.63	.80	.95	31.4	9.2	3.16	.66	.83	.99
	1400	660	39.5	11.6	2.27	.63	.79	.94	37.2	10.9	2.53	.64	.81	.97	34.8	10.2	2.83	.67	.84	1.00	32.4	9.5	3.17	.69	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.26	.45	.57	.69	36.8	10.8	2.53	.45	.58	.71	34.6	10.1	2.83	.46	.60	.73	32.4	9.5	3.17	.47	.61	.76
	1200	565	40.5	11.9	2.28	.46	.60	.73	38.0	11.1	2.55	.47	.61	.75	36.0	10.6	2.85	.47	.62	.77	33.4	9.8	3.19	.48	.65	.81
	1400	660	41.5	12.2	2.29	.47	.62	.76	39.0	11.4	2.56	.48	.64	.79	36.8	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.68	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.0	8.5	1.80	27.0	7.9	1.75	25.0	7.3	1.69	22.9	6.7	1.64
900	425	29.5	8.6	1.72	27.5	8.1	1.67	25.5	7.5	1.61	23.5	6.9	1.56
1000	470	30.0	8.8	1.66	28.0	8.2	1.61	26.0	7.6	1.55	23.9	7.0	1.50

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1000	470	38.7	11.3	2.68	29.6	8.7	2.45	19.9	5.8	2.20	14.4	4.2	1.96	7.0	2.1	1.47
1200	565	39.6	11.6	2.56	30.5	8.9	2.33	20.7	6.1	2.09	15.3	4.5	1.84	7.9	2.3	1.35
1400	660	40.3	11.8	2.48	31.2	9.1	2.25	21.4	6.3	2.01	16.0	4.7	1.76	8.6	2.5	1.27

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-49C-6F]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.56	39.6	11.6
60	16	2.51	37.5	11.0
55	13	2.45	35.5	10.4
50	10	2.40	33.4	9.8
47	8	2.37	32.2	9.4
45	7	2.33	30.5	8.9
40	4	2.24	26.0	7.6
35	2	2.14	21.6	6.3
30	-1	2.12	21.1	6.2
25	-4	2.09	20.7	6.1
20	-7	2.06	20.3	5.9
17	-8	2.04	20.0	5.9
15	-9	2.02	19.2	5.6
10	-12	1.97	17.1	5.0
5	-15	1.84	15.3	4.5
0	-18	1.72	13.4	3.9
-5	-21	1.60	11.6	3.4
-10	-23	1.47	9.7	2.8
-15	-26	1.35	7.9	2.3
-20	-29	1.23	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.98	1.00	24.2	7.1	1.62	.84	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	1055	500	28.0	8.2	1.21	.83	.99	1.00	26.6	7.8	1.41	.85	1.00	1.00	25.2	7.4	1.63	.88	1.00	1.00	23.8	7.0	1.89	.92	1.00	1.00
67°F (19°C)	930	440	29.2	8.6	1.22	.62	.77	.91	27.6	8.1	1.42	.63	.78	.94	26.0	7.6	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
	1055	500	30.0	8.8	1.23	.64	.80	.95	28.2	8.3	1.42	.65	.82	.98	26.6	7.8	1.64	.66	.85	1.00	24.6	7.2	1.90	.69	.89	1.00
71°F (22°C)	930	440	31.0	9.1	1.24	.46	.60	.74	29.4	8.6	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.78	25.8	7.6	1.91	.47	.65	.81
	1055	500	31.8	9.3	1.24	.47	.62	.77	30.2	8.9	1.44	.47	.63	.79	28.4	8.3	1.66	.48	.65	.82	26.6	7.8	1.91	.49	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	36.4	10.7	2.24	.80	.97	1.00	34.4	10.1	2.50	.83	.99	1.00	32.4	9.5	2.80	.85	1.00	1.00	30.2	8.9	3.14	.89	1.00	1.00
	1520	715	37.4	11.0	2.25	.83	1.00	1.00	35.4	10.4	2.51	.86	1.00	1.00	33.2	9.7	2.81	.89	1.00	1.00	31.2	9.1	3.15	.93	1.00	1.00
67°F (19°C)	1355	640	39.0	11.4	2.26	.62	.78	.93	36.8	10.8	2.53	.64	.80	.96	34.4	10.1	2.83	.65	.83	.99	31.8	9.3	3.16	.67	.87	1.00
	1520	715	39.5	11.6	2.27	.64	.81	.97	37.4	11.0	2.54	.66	.83	1.00	35.0	10.3	2.83	.67	.87	1.00	32.4	9.5	3.17	.70	.90	1.00
71°F (22°C)	1355	640	41.0	12.0	2.29	.46	.61	.75	39.0	11.4	2.55	.47	.62	.78	36.4	10.7	2.85	.47	.64	.80	33.8	9.9	3.19	.48	.66	.84
	1520	715	42.0	12.3	2.30	.47	.63	.78	39.5	11.6	2.56	.47	.64	.81	37.2	10.9	2.86	.48	.66	.84	34.4	10.1	3.20	.49	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
930	440	28.9	8.5	1.70	26.9	7.9	1.65	24.8	7.3	1.59	22.8	6.7	1.54
1055	500	29.4	8.6	1.62	27.4	8.0	1.57	25.3	7.4	1.51	23.3	6.8	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1355	640	39.5	11.6	2.46	30.2	8.9	2.25	20.4	6.0	2.04	14.9	4.4	1.81	7.7	2.3	1.33
1520	715	40.1	11.8	2.40	30.8	9.0	2.20	20.9	6.1	1.99	15.4	4.5	1.76	8.3	2.4	1.27

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [C33-44C + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.46	39.5	11.6
60	16	2.41	37.4	11.0
55	13	2.36	35.3	10.3
50	10	2.32	33.3	9.8
47	8	2.29	32.0	9.4
45	7	2.25	30.2	8.9
40	4	2.17	25.8	7.6
35	2	2.08	21.4	6.3
30	-1	2.06	20.9	6.1
25	-4	2.04	20.4	6.0
20	-7	2.02	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.98	18.7	5.5
10	-12	1.94	16.7	4.9
5	-15	1.81	14.9	4.4
0	-18	1.69	13.1	3.8
-5	-21	1.57	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	890	420	26.8	7.9	1.21	.78	.94	1.00	25.4	7.4	1.40	.80	.96	1.00	24.0	7.0	1.62	.83	.99	1.00	22.4	6.6	1.88	.86	1.00	1.00
	995	470	27.6	8.1	1.21	.81	.97	1.00	26.2	7.7	1.41	.83	1.00	1.00	24.8	7.3	1.63	.86	1.00	1.00	23.2	6.8	1.89	.90	1.00	1.00
67°F (19°C)	890	420	28.8	8.4	1.22	.61	.76	.90	27.4	8.0	1.41	.62	.77	.93	25.8	7.6	1.64	.63	.80	.96	24.0	7.0	1.89	.65	.83	.99
	995	470	29.6	8.7	1.23	.63	.78	.94	28.0	8.2	1.42	.64	.80	.96	26.2	7.7	1.64	.65	.83	.99	24.4	7.2	1.90	.67	.86	1.00
71°F (22°C)	890	420	30.8	9.0	1.24	.45	.59	.73	29.2	8.6	1.43	.46	.60	.75	27.4	8.0	1.65	.46	.62	.77	25.6	7.5	1.91	.47	.64	.80
	995	470	31.6	9.3	1.24	.46	.61	.76	29.8	8.7	1.43	.47	.62	.78	28.2	8.3	1.66	.47	.64	.80	26.2	7.7	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	36.0	10.6	2.23	.79	.95	1.00	34.0	10.0	2.50	.81	.98	1.00	31.8	9.3	2.79	.84	1.00	1.00	29.8	8.7	3.13	.87	1.00	1.00
	1440	680	36.8	10.8	2.24	.82	.99	1.00	34.8	10.2	2.51	.84	1.00	1.00	32.8	9.6	2.81	.87	1.00	1.00	30.8	9.0	3.15	.91	1.00	1.00
67°F (19°C)	1275	600	38.5	11.3	2.26	.61	.76	.91	36.4	10.7	2.52	.63	.78	.94	34.0	10.0	2.82	.64	.81	.97	31.4	9.2	3.16	.66	.85	1.00
	1440	680	39.5	11.6	2.27	.63	.79	.95	37.0	10.8	2.53	.65	.82	.98	34.6	10.1	2.83	.66	.85	1.00	32.0	9.4	3.17	.69	.89	1.00
71°F (22°C)	1275	600	40.5	11.9	2.28	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.0	10.6	2.85	.47	.63	.79	33.4	9.8	3.19	.48	.65	.82
	1440	680	41.5	12.2	2.29	.46	.62	.77	39.5	11.6	2.56	.47	.63	.79	36.8	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
890	420	28.7	8.4	1.73	26.7	7.8	1.67	24.7	7.2	1.61	22.7	6.7	1.56
995	470	29.2	8.6	1.65	27.2	8.0	1.60	25.2	7.4	1.54	23.2	6.8	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1275	600	39.3	11.5	2.51	30.1	8.8	2.29	20.3	5.9	2.06	14.9	4.4	1.82	7.7	2.3	1.33
1440	680	39.9	11.7	2.45	30.7	9.0	2.22	20.9	6.1	1.99	15.4	4.5	1.76	8.2	2.4	1.27

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [C33-44C + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	39.3	11.5
60	16	2.46	37.3	10.9
55	13	2.41	35.2	10.3
50	10	2.36	33.2	9.7
47	8	2.33	31.9	9.3
45	7	2.29	30.1	8.8
40	4	2.20	25.7	7.5
35	2	2.11	21.3	6.2
30	-1	2.08	20.8	6.1
25	-4	2.06	20.3	5.9
20	-7	2.03	19.8	5.8
17	-8	2.02	19.6	5.7
15	-9	1.99	18.7	5.5
10	-12	1.94	16.7	4.9
5	-15	1.82	14.9	4.4
0	-18	1.70	13.1	3.8
-5	-21	1.58	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	25.8	7.6	1.20	.74	.88	1.00	24.4	7.2	1.39	.76	.91	1.00	23.0	6.7	1.61	.78	.94	1.00	21.4	6.3	1.87	.81	.97	1.00
	840	395	26.6	7.8	1.20	.77	.92	1.00	25.2	7.4	1.40	.79	.95	1.00	23.6	6.9	1.62	.81	.98	1.00	22.0	6.4	1.88	.84	1.00	1.00
67°F (19°C)	740	350	27.6	8.1	1.21	.59	.72	.84	26.2	7.7	1.41	.60	.73	.87	24.8	7.3	1.63	.61	.75	.89	23.0	6.7	1.89	.62	.78	.93
	840	395	28.4	8.3	1.22	.60	.74	.88	27.0	7.9	1.41	.61	.76	.90	25.4	7.4	1.63	.62	.78	.94	23.6	6.9	1.89	.64	.81	.97
71°F (22°C)	740	350	29.4	8.6	1.22	.44	.57	.69	28.0	8.2	1.42	.45	.58	.70	26.4	7.7	1.64	.45	.59	.72	24.6	7.2	1.90	.46	.60	.75
	840	395	30.4	8.9	1.23	.45	.59	.72	28.8	8.4	1.43	.45	.59	.73	27.2	8.0	1.65	.46	.61	.75	25.4	7.4	1.90	.47	.63	.78

SECOND STAGE COOLING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1290	610	36.2	10.6	2.23	.79	.95	1.00	34.0	10.0	2.50	.81	.98	1.00	31.8	9.3	2.79	.84	1.00	1.00	29.8	8.7	3.14	.88	1.00	1.00
	1465	690	37.0	10.8	2.24	.82	.99	1.00	34.8	10.2	2.51	.85	1.00	1.00	33.0	9.7	2.81	.88	1.00	1.00	30.8	9.0	3.15	.92	1.00	1.00
67°F (19°C)	1290	610	38.5	11.3	2.26	.62	.77	.91	36.4	10.7	2.53	.63	.79	.94	34.0	10.0	2.82	.64	.81	.98	31.4	9.2	3.16	.66	.85	1.00
	1465	690	39.5	11.6	2.27	.63	.80	.96	37.2	10.9	2.53	.65	.82	.99	34.8	10.2	2.83	.67	.85	1.00	32.2	9.4	3.17	.69	.89	1.00
71°F (22°C)	1290	610	41.0	12.0	2.28	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.2	10.6	2.85	.47	.63	.79	33.6	9.8	3.19	.48	.65	.82
	1465	690	42.0	12.3	2.30	.47	.62	.77	39.5	11.6	2.56	.47	.64	.80	37.0	10.8	2.86	.48	.66	.83	34.2	10.0	3.20	.49	.68	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	27.9	8.2	1.86	26.0	7.6	1.79	24.1	7.1	1.72	22.2	6.5	1.65
840	395	28.4	8.3	1.77	26.5	7.8	1.70	24.6	7.2	1.63	22.7	6.7	1.57

SECOND STAGE HEATING CAPACITY - XP19-036 with [C33-44C + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1290	610	39.3	11.5	2.49	30.1	8.8	2.28	20.3	5.9	2.05	14.9	4.4	1.82	7.7	2.3	1.33
1465	690	39.9	11.7	2.43	30.7	9.0	2.22	20.9	6.1	1.99	15.5	4.5	1.76	8.3	2.4	1.27

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume
XP19-036 with [C33-49C + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.49	39.3	11.5
60	16	2.44	37.3	10.9
55	13	2.39	35.2	10.3
50	10	2.34	33.1	9.7
47	8	2.31	31.9	9.3
45	7	2.28	30.1	8.8
40	4	2.19	25.7	7.5
35	2	2.11	21.3	6.2
30	-1	2.08	20.8	6.1
25	-4	2.05	20.3	5.9
20	-7	2.03	19.8	5.8
17	-8	2.01	19.5	5.7
15	-9	1.99	18.7	5.5
10	-12	1.94	16.7	4.9
5	-15	1.82	14.9	4.4
0	-18	1.70	13.1	3.8
-5	-21	1.58	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	25.6	7.5	1.20	.74	.88	1.00	24.4	7.2	1.39	.76	.91	1.00	23.0	6.7	1.61	.78	.94	1.00	21.4	6.3	1.88	.81	.97	1.00
	840	395	26.6	7.8	1.20	.77	.92	1.00	25.2	7.4	1.40	.79	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	920	435	27.0	7.9	1.21	.79	.94	1.00	25.6	7.5	1.40	.81	.97	1.00	24.2	7.1	1.62	.84	1.00	1.00	22.6	6.6	1.88	.87	1.00	1.00
67°F (19°C)	740	350	27.6	8.1	1.21	.59	.72	.84	26.2	7.7	1.41	.59	.73	.86	24.6	7.2	1.63	.61	.75	.89	23.0	6.7	1.89	.62	.78	.93
	840	395	28.4	8.3	1.22	.60	.74	.88	27.0	7.9	1.41	.61	.76	.90	25.4	7.4	1.63	.62	.78	.93	23.6	6.9	1.89	.64	.81	.97
	920	435	29.0	8.5	1.22	.61	.76	.90	27.6	8.1	1.42	.62	.78	.93	25.8	7.6	1.64	.64	.80	.97	24.0	7.0	1.90	.66	.84	1.00
71°F (22°C)	740	350	29.4	8.6	1.22	.45	.57	.69	27.8	8.1	1.42	.45	.58	.70	26.4	7.7	1.64	.45	.59	.72	24.6	7.2	1.90	.46	.60	.75
	840	395	30.2	8.9	1.23	.46	.59	.71	28.8	8.4	1.43	.46	.60	.73	27.2	8.0	1.65	.46	.61	.75	25.4	7.4	1.90	.47	.62	.78
	920	435	31.0	9.1	1.24	.46	.60	.73	29.4	8.6	1.43	.46	.61	.75	27.6	8.1	1.65	.47	.62	.78	25.8	7.6	1.91	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1035	490	34.6	10.1	2.22	.74	.88	1.00	32.8	9.6	2.48	.76	.91	1.00	30.6	9.0	2.78	.78	.94	1.00	28.4	8.3	3.11	.81	.97	1.00
	1225	580	35.8	10.5	2.23	.78	.93	1.00	33.8	9.9	2.50	.80	.96	1.00	31.8	9.3	2.79	.82	.99	1.00	29.6	8.7	3.13	.86	1.00	1.00
	1385	655	36.8	10.8	2.24	.80	.97	1.00	34.6	10.1	2.50	.83	.99	1.00	32.6	9.6	2.80	.86	1.00	1.00	30.6	9.0	3.15	.90	1.00	1.00
67°F (19°C)	1035	490	36.8	10.8	2.24	.59	.72	.84	34.8	10.2	2.51	.60	.73	.87	32.6	9.6	2.81	.61	.76	.90	30.4	8.9	3.14	.62	.78	.94
	1225	580	38.0	11.1	2.26	.61	.75	.89	36.0	10.6	2.52	.62	.77	.92	33.8	9.9	2.82	.63	.80	.95	31.4	9.2	3.16	.65	.83	.99
	1385	655	39.0	11.4	2.26	.62	.78	.93	36.8	10.8	2.53	.64	.80	.96	34.4	10.1	2.83	.66	.83	.99	32.0	9.4	3.17	.68	.87	1.00
71°F (22°C)	1035	490	39.0	11.4	2.26	.45	.57	.69	37.0	10.8	2.53	.45	.58	.71	34.8	10.2	2.83	.45	.59	.73	32.4	9.5	3.17	.46	.61	.76
	1225	580	40.5	11.9	2.28	.46	.59	.73	38.0	11.1	2.55	.46	.61	.75	36.0	10.6	2.85	.47	.62	.77	33.4	9.8	3.19	.47	.64	.80
	1385	655	41.5	12.2	2.29	.47	.61	.76	39.0	11.4	2.56	.47	.62	.78	36.6	10.7	2.86	.47	.64	.81	34.0	10.0	3.20	.48	.66	.84

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	27.7	8.1	1.90	25.7	7.5	1.84	23.7	6.9	1.78	21.7	6.4	1.72
840	395	28.2	8.3	1.81	26.3	7.7	1.75	24.3	7.1	1.69	22.3	6.5	1.63
920	435	28.6	8.4	1.75	26.6	7.8	1.69	24.6	7.2	1.63	22.6	6.6	1.57

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1035	490	37.9	11.1	2.71	28.9	8.5	2.47	19.3	5.7	2.21	14.0	4.1	1.96	6.8	2.0	1.47
1225	580	38.6	11.3	2.61	29.7	8.7	2.36	20.0	5.9	2.11	14.7	4.3	1.86	7.6	2.2	1.36
1385	655	39.2	11.5	2.54	30.3	8.9	2.30	20.6	6.0	2.05	15.3	4.5	1.80	8.2	2.4	1.30

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.61	38.6	11.3
60	16	2.55	36.6	10.7
55	13	2.49	34.6	10.1
50	10	2.44	32.6	9.6
47	8	2.40	31.4	9.2
45	7	2.36	29.7	8.7
40	4	2.27	25.3	7.4
35	2	2.17	21.0	6.2
30	-1	2.14	20.5	6.0
25	-4	2.11	20.0	5.9
20	-7	2.08	19.6	5.7
17	-8	2.06	19.3	5.7
15	-9	2.04	18.5	5.4
10	-12	1.99	16.5	4.8
5	-15	1.86	14.7	4.3
0	-18	1.74	12.9	3.8
-5	-21	1.61	11.1	3.3
-10	-23	1.49	9.4	2.8
-15	-26	1.36	7.6	2.2
-20	-29	1.24	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	685	325	25.2	7.4	1.19	.73	.86	.98	24.0	7.0	1.39	.74	.88	1.00	22.4	6.6	1.61	.76	.91	1.00	21.0	6.2	1.87	.79	.94	1.00
	795	375	26.2	7.7	1.20	.76	.90	1.00	24.8	7.3	1.40	.77	.93	1.00	23.4	6.9	1.62	.80	.96	1.00	21.8	6.4	1.88	.83	.99	1.00
	965	455	27.4	8.0	1.21	.80	.96	1.00	26.0	7.6	1.41	.82	.99	1.00	24.4	7.2	1.63	.85	1.00	1.00	23.0	6.7	1.89	.88	1.00	1.00
67°F (19°C)	685	325	27.0	7.9	1.21	.58	.70	.82	25.6	7.5	1.40	.59	.72	.84	24.2	7.1	1.62	.60	.73	.87	22.6	6.6	1.88	.61	.76	.90
	795	375	28.0	8.2	1.21	.60	.73	.86	26.6	7.8	1.41	.60	.75	.89	25.0	7.3	1.63	.62	.77	.92	23.4	6.9	1.89	.63	.79	.95
	965	455	29.4	8.6	1.22	.62	.77	.92	27.8	8.1	1.42	.63	.79	.95	26.2	7.7	1.64	.65	.82	.98	24.4	7.2	1.90	.67	.85	1.00
71°F (22°C)	685	325	28.6	8.4	1.22	.45	.56	.67	27.2	8.0	1.41	.45	.57	.69	25.8	7.6	1.64	.45	.58	.70	24.2	7.1	1.90	.45	.59	.73
	795	375	29.8	8.7	1.23	.45	.58	.70	28.4	8.3	1.42	.45	.59	.72	26.8	7.9	1.64	.46	.60	.74	25.0	7.3	1.90	.46	.62	.76
	965	455	31.2	9.1	1.24	.46	.61	.75	29.8	8.7	1.43	.47	.62	.76	28.0	8.2	1.65	.47	.63	.79	26.0	7.6	1.91	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.0	10.0	2.21	.73	.86	.99	32.2	9.4	2.48	.75	.89	1.00	30.2	8.9	2.77	.77	.92	1.00	28.0	8.2	3.11	.79	.95	1.00
	1185	560	35.6	10.4	2.23	.77	.92	1.00	33.6	9.8	2.49	.79	.95	1.00	31.4	9.2	2.79	.81	.98	1.00	29.2	8.6	3.12	.85	1.00	1.00
	1420	670	37.0	10.8	2.24	.81	.97	1.00	34.8	10.2	2.51	.84	1.00	1.00	32.8	9.6	2.81	.87	1.00	1.00	30.8	9.0	3.15	.90	1.00	1.00
67°F (19°C)	970	460	36.4	10.7	2.24	.58	.70	.83	34.4	10.1	2.50	.59	.72	.85	32.2	9.4	2.80	.60	.74	.88	30.0	8.8	3.14	.62	.77	.92
	1185	560	38.0	11.1	2.25	.60	.74	.88	35.8	10.5	2.52	.61	.76	.91	33.6	9.8	2.82	.63	.79	.94	31.2	9.1	3.15	.65	.82	.98
	1420	670	39.0	11.4	2.27	.63	.79	.94	37.0	10.8	2.53	.64	.81	.97	34.6	10.1	2.83	.66	.84	1.00	32.0	9.4	3.17	.68	.88	1.00
71°F (22°C)	970	460	38.5	11.3	2.26	.45	.56	.68	36.4	10.7	2.52	.45	.57	.69	34.2	10.0	2.83	.45	.58	.71	32.0	9.4	3.17	.46	.60	.74
	1185	560	40.0	11.7	2.28	.46	.59	.72	38.0	11.1	2.55	.46	.60	.74	35.6	10.4	2.85	.46	.61	.76	33.2	9.7	3.18	.47	.63	.79
	1420	670	41.5	12.2	2.29	.47	.62	.76	39.5	11.6	2.56	.47	.63	.79	36.8	10.8	2.86	.48	.65	.81	34.2	10.0	3.20	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
685	320	27.4	8.0	1.97	25.5	7.5	1.90	23.6	6.9	1.84	21.6	6.3	1.78
795	375	28.1	8.2	1.85	26.1	7.6	1.79	24.2	7.1	1.72	22.3	6.5	1.66
965	455	28.9	8.5	1.73	27.0	7.9	1.66	25.0	7.3	1.60	23.1	6.8	1.53

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
970	460	37.7	11.0	2.76	28.8	8.4	2.51	19.2	5.6	2.25	13.9	4.1	2.00	6.7	2.0	1.50
1185	560	38.7	11.3	2.63	29.8	8.7	2.38	20.2	5.9	2.12	14.9	4.4	1.87	7.7	2.3	1.37
1420	670	40.0	11.7	2.53	31.0	9.1	2.29	21.4	6.3	2.03	16.1	4.7	1.78	8.9	2.6	1.28

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48B-6F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.63	38.7	11.3
60	16	2.57	36.7	10.8
55	13	2.51	34.7	10.2
50	10	2.45	32.7	9.6
47	8	2.42	31.5	9.2
45	7	2.38	29.8	8.7
40	4	2.28	25.4	7.4
35	2	2.18	21.1	6.2
30	-1	2.15	20.6	6.0
25	-4	2.12	20.2	5.9
20	-7	2.09	19.8	5.8
17	-8	2.08	19.5	5.7
15	-9	2.05	18.7	5.5
10	-12	2.00	16.7	4.9
5	-15	1.87	14.9	4.4
0	-18	1.75	13.1	3.8
-5	-21	1.62	11.3	3.3
-10	-23	1.50	9.5	2.8
-15	-26	1.37	7.7	2.3
-20	-29	1.25	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	25.6	7.5	1.20	.74	.88	1.00	24.2	7.1	1.39	.76	.90	1.00	22.8	6.7	1.62	.78	.93	1.00	21.2	6.2	1.87	.80	.97	1.00
	815	385	26.4	7.7	1.20	.76	.91	1.00	25.0	7.3	1.40	.78	.94	1.00	23.4	6.9	1.62	.80	.97	1.00	21.8	6.4	1.88	.83	1.00	1.00
	935	440	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.98	1.00	24.2	7.1	1.62	.84	1.00	1.00	22.8	6.7	1.89	.87	1.00	1.00
67°F (19°C)	725	340	27.4	8.0	1.21	.58	.71	.84	26.2	7.7	1.41	.59	.73	.86	24.6	7.2	1.63	.60	.75	.89	23.0	6.7	1.89	.62	.77	.92
	815	385	28.2	8.3	1.22	.60	.74	.87	26.8	7.9	1.41	.61	.75	.90	25.2	7.4	1.63	.62	.78	.93	23.6	6.9	1.89	.64	.80	.96
	935	440	29.2	8.6	1.22	.62	.77	.91	27.6	8.1	1.42	.63	.79	.94	26.0	7.6	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
71°F (22°C)	725	340	29.2	8.6	1.22	.44	.57	.69	27.8	8.1	1.42	.45	.58	.70	26.2	7.7	1.64	.45	.59	.72	24.6	7.2	1.90	.46	.60	.74
	815	385	30.2	8.9	1.23	.45	.58	.71	28.6	8.4	1.42	.45	.59	.72	27.0	7.9	1.65	.46	.60	.75	25.2	7.4	1.90	.46	.62	.77
	935	440	31.2	9.1	1.24	.46	.60	.74	29.6	8.7	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.78	26.0	7.6	1.91	.47	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Entering Wet Bulb Tempera-ture	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	34.4	10.1	2.22	.74	.88	1.00	32.4	9.5	2.48	.76	.90	1.00	30.4	8.9	2.77	.78	.93	1.00	28.2	8.3	3.11	.81	.97	1.00
	1190	560	35.6	10.4	2.23	.77	.92	1.00	33.6	9.8	2.49	.79	.95	1.00	31.4	9.2	2.79	.82	.99	1.00	29.2	8.6	3.12	.85	1.00	1.00
	1395	660	36.6	10.7	2.24	.81	.98	1.00	34.6	10.1	2.50	.83	1.00	1.00	32.6	9.6	2.80	.86	1.00	1.00	30.4	8.9	3.14	.90	1.00	1.00
67°F (19°C)	1010	475	36.6	10.7	2.24	.58	.71	.84	34.6	10.1	2.50	.59	.73	.86	32.4	9.5	2.80	.61	.75	.89	30.0	8.8	3.14	.62	.78	.93
	1190	560	38.0	11.1	2.25	.60	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.79	.95	31.0	9.1	3.15	.65	.82	.99
	1395	660	39.0	11.4	2.27	.63	.79	.94	36.8	10.8	2.53	.64	.81	.97	34.4	10.1	2.83	.66	.84	1.00	31.8	9.3	3.16	.68	.88	1.00
71°F (22°C)	1010	475	39.0	11.4	2.26	.44	.57	.69	36.6	10.7	2.53	.45	.58	.70	34.4	10.1	2.83	.45	.59	.73	32.0	9.4	3.17	.46	.61	.75
	1190	560	40.0	11.7	2.28	.45	.59	.72	38.0	11.1	2.54	.46	.60	.74	35.6	10.4	2.84	.46	.62	.77	33.0	9.7	3.18	.47	.64	.80
	1395	660	41.5	12.2	2.29	.46	.61	.76	39.0	11.4	2.56	.47	.63	.78	36.6	10.7	2.86	.48	.65	.81	34.0	10.0	3.19	.48	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
725	345	27.7	8.1	1.92	25.7	7.5	1.85	23.7	6.9	1.79	21.8	6.4	1.73
815	385	28.2	8.3	1.84	26.2	7.7	1.78	24.3	7.1	1.71	22.3	6.5	1.65
935	440	28.8	8.4	1.75	26.8	7.9	1.69	24.8	7.3	1.62	22.9	6.7	1.56

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	37.9	11.1	2.73	28.9	8.5	2.49	19.3	5.7	2.23	14.0	4.1	1.98	6.8	2.0	1.48
1190	560	38.7	11.3	2.62	29.8	8.7	2.38	20.2	5.9	2.12	14.9	4.4	1.87	7.7	2.3	1.37
1395	660	39.6	11.6	2.54	30.7	9.0	2.29	21.1	6.2	2.04	15.8	4.6	1.79	8.6	2.5	1.29

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48B-6F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.62	38.7	11.3
60	16	2.56	36.7	10.8
55	13	2.51	34.7	10.2
50	10	2.45	32.7	9.6
47	8	2.42	31.5	9.2
45	7	2.38	29.8	8.7
40	4	2.28	25.4	7.4
35	2	2.18	21.1	6.2
30	-1	2.15	20.6	6.0
25	-4	2.12	20.2	5.9
20	-7	2.09	19.8	5.8
17	-8	2.07	19.5	5.7
15	-9	2.05	18.7	5.5
10	-12	1.99	16.7	4.9
5	-15	1.87	14.9	4.4
0	-18	1.75	13.1	3.8
-5	-21	1.62	11.3	3.3
-10	-23	1.50	9.5	2.8
-15	-26	1.37	7.7	2.3
-20	-29	1.25	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.98	1.00	24.2	7.1	1.62	.84	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	1055	500	28.0	8.2	1.21	.82	.99	1.00	26.4	7.7	1.41	.85	1.00	1.00	25.2	7.4	1.63	.88	1.00	1.00	23.8	7.0	1.89	.91	1.00	1.00
67°F (19°C)	930	440	29.0	8.5	1.22	.62	.76	.91	27.6	8.1	1.42	.63	.78	.94	26.0	7.6	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
	1055	500	29.8	8.7	1.23	.64	.80	.95	28.2	8.3	1.42	.65	.82	.98	26.6	7.8	1.64	.66	.85	1.00	24.8	7.3	1.90	.68	.88	1.00
71°F (22°C)	930	440	31.0	9.1	1.24	.46	.60	.74	29.4	8.6	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.78	25.8	7.6	1.91	.47	.64	.81
	1055	500	31.8	9.3	1.24	.47	.62	.77	30.2	8.9	1.44	.47	.63	.79	28.4	8.3	1.66	.48	.65	.82	26.6	7.8	1.92	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	36.6	10.7	2.24	.80	.96	1.00	34.6	10.1	2.50	.82	.99	1.00	32.4	9.5	2.80	.85	1.00	1.00	30.4	8.9	3.14	.89	1.00	1.00
	1520	715	37.4	11.0	2.25	.83	.99	1.00	35.4	10.4	2.51	.86	1.00	1.00	33.4	9.8	2.81	.89	1.00	1.00	31.4	9.2	3.16	.93	1.00	1.00
67°F (19°C)	1355	640	39.0	11.4	2.26	.62	.78	.92	36.8	10.8	2.53	.63	.80	.95	34.4	10.1	2.83	.65	.83	.99	31.8	9.3	3.17	.67	.86	1.00
	1520	715	39.5	11.6	2.27	.64	.80	.96	37.4	11.0	2.54	.65	.83	.99	35.0	10.3	2.84	.67	.86	1.00	32.4	9.5	3.17	.70	.90	1.00
71°F (22°C)	1355	640	41.0	12.0	2.29	.46	.61	.75	39.0	11.4	2.56	.47	.62	.77	36.6	10.7	2.85	.47	.64	.80	33.8	9.9	3.19	.48	.66	.84
	1520	715	42.0	12.3	2.30	.47	.63	.78	39.5	11.6	2.57	.48	.64	.81	37.4	11.0	2.87	.48	.66	.84	34.6	10.1	3.20	.49	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
930	440	28.6	8.4	1.75	26.6	7.8	1.69	24.6	7.2	1.63	22.6	6.6	1.58
1055	500	29.1	8.5	1.67	27.1	7.9	1.62	25.1	7.4	1.56	23.1	6.8	1.50

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1355	640	39.1	11.5	2.54	30.0	8.8	2.31	20.2	5.9	2.08	14.8	4.3	1.84	7.6	2.2	1.34
1520	715	39.7	11.6	2.48	30.5	8.9	2.25	20.8	6.1	2.01	15.3	4.5	1.77	8.2	2.4	1.28

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.54	39.1	11.5
60	16	2.49	37.1	10.9
55	13	2.43	35.0	10.3
50	10	2.38	33.0	9.7
47	8	2.35	31.7	9.3
45	7	2.31	30.0	8.8
40	4	2.22	25.6	7.5
35	2	2.13	21.2	6.2
30	-1	2.10	20.7	6.1
25	-4	2.08	20.2	5.9
20	-7	2.05	19.7	5.8
17	-8	2.03	19.4	5.7
15	-9	2.01	18.6	5.5
10	-12	1.96	16.6	4.9
5	-15	1.84	14.8	4.3
0	-18	1.71	13.0	3.8
-5	-21	1.59	11.2	3.3
-10	-23	1.47	9.4	2.8
-15	-26	1.34	7.6	2.2
-20	-29	1.22	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	890	420	26.8	7.9	1.21	.78	.93	1.00	25.4	7.4	1.40	.80	.96	1.00	24.0	7.0	1.62	.83	.99	1.00	22.4	6.6	1.88	.86	1.00	1.00
	995	470	27.6	8.1	1.21	.81	.97	1.00	26.0	7.6	1.41	.83	.99	1.00	24.8	7.3	1.63	.86	1.00	1.00	23.2	6.8	1.89	.89	1.00	1.00
67°F (19°C)	890	420	28.8	8.4	1.22	.61	.75	.89	27.4	8.0	1.41	.62	.77	.92	25.6	7.5	1.64	.63	.80	.95	24.0	7.0	1.89	.65	.83	.99
	995	470	29.6	8.7	1.23	.63	.78	.93	28.0	8.2	1.42	.64	.80	.96	26.2	7.7	1.64	.65	.83	.99	24.4	7.2	1.90	.67	.86	1.00
71°F (22°C)	890	420	30.6	9.0	1.23	.46	.59	.73	29.2	8.6	1.43	.46	.60	.74	27.4	8.0	1.65	.46	.62	.77	25.6	7.5	1.91	.47	.64	.80
	995	470	31.4	9.2	1.24	.47	.61	.75	29.8	8.7	1.43	.47	.62	.77	28.2	8.3	1.65	.47	.64	.80	26.2	7.7	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	36.2	10.6	2.23	.79	.94	1.00	34.2	10.0	2.50	.81	.97	1.00	32.0	9.4	2.80	.83	1.00	1.00	29.8	8.7	3.14	.87	1.00	1.00
	1440	680	37.0	10.8	2.24	.82	.98	1.00	35.0	10.3	2.51	.84	1.00	1.00	33.0	9.7	2.81	.87	1.00	1.00	30.8	9.0	3.15	.91	1.00	1.00
67°F (19°C)	1275	600	38.5	11.3	2.26	.61	.76	.91	36.4	10.7	2.52	.62	.78	.93	34.0	10.0	2.82	.64	.81	.97	31.4	9.2	3.16	.66	.84	1.00
	1440	680	39.5	11.6	2.27	.63	.79	.94	37.0	10.8	2.53	.64	.81	.98	34.8	10.2	2.83	.66	.85	1.00	32.2	9.4	3.17	.69	.88	1.00
71°F (22°C)	1275	600	41.0	12.0	2.28	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.2	10.6	2.85	.47	.63	.78	33.6	9.8	3.19	.48	.65	.81
	1440	680	42.0	12.3	2.29	.47	.62	.77	39.5	11.6	2.56	.47	.63	.79	37.0	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.67	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
890	420	28.5	8.4	1.77	26.5	7.8	1.71	24.5	7.2	1.66	22.5	6.6	1.60
995	470	28.9	8.5	1.71	26.9	7.9	1.65	24.9	7.3	1.59	23.0	6.7	1.53

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	38.9	11.4	2.58	29.9	8.8	2.34	20.2	5.9	2.10	14.8	4.3	1.85	7.6	2.2	1.36
1440	680	39.5	11.6	2.51	30.5	8.9	2.27	20.8	6.1	2.03	15.4	4.5	1.78	8.2	2.4	1.29

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.58	38.9	11.4
60	16	2.52	36.9	10.8
55	13	2.47	34.9	10.2
50	10	2.41	32.8	9.6
47	8	2.38	31.6	9.3
45	7	2.34	29.9	8.8
40	4	2.25	25.5	7.5
35	2	2.15	21.1	6.2
30	-1	2.13	20.6	6.0
25	-4	2.10	20.2	5.9
20	-7	2.07	19.7	5.8
17	-8	2.05	19.4	5.7
15	-9	2.03	18.6	5.5
10	-12	1.97	16.6	4.9
5	-15	1.85	14.8	4.3
0	-18	1.73	13.0	3.8
-5	-21	1.60	11.2	3.3
-10	-23	1.48	9.4	2.8
-15	-26	1.36	7.6	2.2
-20	-29	1.23	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	25.6	7.5	1.20	.74	.88	1.00	24.4	7.2	1.39	.76	.90	1.00	22.8	6.7	1.61	.78	.94	1.00	21.4	6.3	1.88	.81	.97	1.00
	840	395	26.6	7.8	1.20	.77	.92	1.00	25.2	7.4	1.40	.79	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
67°F (19°C)	740	350	27.6	8.1	1.21	.59	.72	.84	26.2	7.7	1.41	.59	.73	.86	24.6	7.2	1.63	.61	.75	.89	23.0	6.7	1.89	.62	.78	.93
	840	395	28.4	8.3	1.22	.60	.74	.88	27.0	7.9	1.41	.61	.76	.90	25.4	7.4	1.63	.62	.78	.93	23.6	6.9	1.89	.64	.81	.97
71°F (22°C)	740	350	29.4	8.6	1.22	.45	.57	.69	27.8	8.1	1.42	.45	.58	.70	26.4	7.7	1.64	.45	.59	.72	24.6	7.2	1.90	.46	.60	.74
	840	395	30.2	8.9	1.23	.46	.59	.71	28.8	8.4	1.43	.46	.60	.73	27.2	8.0	1.65	.46	.61	.75	25.4	7.4	1.90	.47	.62	.78

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1290	610	36.2	10.6	2.24	.79	.94	1.00	34.2	10.0	2.50	.81	.97	1.00	32.0	9.4	2.80	.84	1.00	1.00	29.8	8.7	3.14	.87	1.00	1.00
	1465	690	37.2	10.9	2.24	.82	.98	1.00	35.0	10.3	2.51	.84	1.00	1.00	33.0	9.7	2.81	.88	1.00	1.00	31.0	9.1	3.15	.92	1.00	1.00
67°F (19°C)	1290	610	38.5	11.3	2.26	.62	.76	.91	36.4	10.7	2.52	.63	.78	.94	34.0	10.0	2.82	.64	.81	.97	31.6	9.3	3.16	.66	.85	1.00
	1465	690	39.5	11.6	2.27	.63	.80	.95	37.2	10.9	2.54	.65	.82	.98	34.8	10.2	2.83	.67	.85	1.00	32.2	9.4	3.17	.69	.89	1.00
71°F (22°C)	1290	610	41.0	12.0	2.29	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.2	10.6	2.85	.47	.63	.79	33.6	9.8	3.19	.48	.65	.82
	1465	690	42.0	12.3	2.30	.47	.62	.77	39.5	11.6	2.56	.47	.64	.79	37.0	10.8	2.86	.48	.65	.82	34.4	10.1	3.20	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	27.7	8.1	1.91	25.8	7.6	1.84	23.9	7.0	1.77	22.0	6.4	1.70
840	395	28.2	8.3	1.82	26.3	7.7	1.75	24.4	7.2	1.68	22.5	6.6	1.62

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-44/48C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1290	610	38.9	11.4	2.57	29.9	8.8	2.34	20.2	5.9	2.09	14.8	4.3	1.85	7.6	2.2	1.35
1465	690	39.5	11.6	2.50	30.5	8.9	2.27	20.8	6.1	2.02	15.4	4.5	1.78	8.2	2.4	1.28

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-44/48C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.57	38.9	11.4
60	16	2.52	36.9	10.8
55	13	2.46	34.9	10.2
50	10	2.41	32.8	9.6
47	8	2.37	31.6	9.3
45	7	2.34	29.9	8.8
40	4	2.24	25.5	7.5
35	2	2.15	21.1	6.2
30	-1	2.12	20.6	6.0
25	-4	2.09	20.2	5.9
20	-7	2.07	19.7	5.8
17	-8	2.05	19.4	5.7
15	-9	2.03	18.6	5.5
10	-12	1.97	16.6	4.9
5	-15	1.85	14.8	4.3
0	-18	1.72	13.0	3.8
-5	-21	1.60	11.2	3.3
-10	-23	1.48	9.4	2.8
-15	-26	1.35	7.6	2.2
-20	-29	1.23	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.6	8.1	1.21	.79	.95	1.00	26.2	7.7	1.41	.81	.98	1.00	24.6	7.2	1.64	.84	1.00	1.00	23.2	6.8	1.90	.87	1.00	1.00
	1055	500	28.4	8.3	1.22	.82	.99	1.00	27.0	7.9	1.42	.85	1.00	1.00	25.6	7.5	1.64	.88	1.00	1.00	24.2	7.1	1.91	.92	1.00	1.00
67°F (19°C)	930	440	29.2	8.6	1.23	.62	.77	.91	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.65	.64	.81	.97	24.4	7.2	1.91	.66	.84	1.00
	1055	500	30.2	8.9	1.23	.64	.80	.95	28.6	8.4	1.43	.65	.82	.98	26.8	7.9	1.65	.67	.85	1.00	25.0	7.3	1.91	.69	.88	1.00
71°F (22°C)	930	440	31.0	9.1	1.24	.46	.61	.74	29.4	8.6	1.43	.47	.62	.76	27.8	8.1	1.66	.47	.63	.78	26.0	7.6	1.92	.48	.65	.81
	1055	500	32.0	9.4	1.25	.47	.62	.77	30.2	8.9	1.44	.48	.64	.79	28.6	8.4	1.66	.48	.66	.82	26.8	7.9	1.93	.49	.68	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	37.2	10.9	2.25	.80	.96	1.00	35.2	10.3	2.51	.83	.99	1.00	33.0	9.7	2.82	.86	1.00	1.00	31.0	9.1	3.16	.89	1.00	1.00
	1520	715	38.0	11.1	2.26	.83	.99	1.00	36.0	10.6	2.52	.86	1.00	1.00	34.2	10.0	2.83	.89	1.00	1.00	32.0	9.4	3.17	.93	1.00	1.00
67°F (19°C)	1355	640	39.5	11.6	2.27	.62	.78	.93	37.0	10.8	2.54	.64	.80	.96	34.8	10.2	2.84	.66	.83	.99	32.4	9.5	3.18	.68	.87	1.00
	1520	715	40.0	11.7	2.28	.64	.81	.97	37.8	11.1	2.55	.66	.84	1.00	35.6	10.4	2.85	.68	.87	1.00	33.0	9.7	3.19	.70	.91	1.00
71°F (22°C)	1355	640	41.5	12.2	2.29	.47	.61	.75	39.0	11.4	2.56	.47	.63	.78	36.8	10.8	2.86	.48	.65	.81	34.2	10.0	3.20	.49	.66	.84
	1520	715	42.5	12.5	2.30	.48	.63	.78	40.0	11.7	2.57	.48	.65	.81	37.4	11.0	2.87	.49	.66	.84	34.8	10.2	3.22	.50	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
930	440	28.9	8.5	1.70	26.8	7.9	1.65	24.8	7.3	1.59	22.8	6.7	1.54
1055	500	29.3	8.6	1.63	27.3	8.0	1.57	25.2	7.4	1.52	23.2	6.8	1.47

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1355	640	39.5	11.6	2.48	30.2	8.9	2.27	20.3	5.9	2.05	14.8	4.3	1.82	7.7	2.3	1.33
1520	715	40.0	11.7	2.43	30.7	9.0	2.22	20.8	6.1	2.00	15.3	4.5	1.77	8.2	2.4	1.28

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-49C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.48	39.5	11.6
60	16	2.43	37.4	11.0
55	13	2.38	35.3	10.3
50	10	2.33	33.2	9.7
47	8	2.30	32.0	9.4
45	7	2.27	30.2	8.9
40	4	2.18	25.8	7.6
35	2	2.09	21.3	6.2
30	-1	2.07	20.8	6.1
25	-4	2.05	20.3	5.9
20	-7	2.03	19.8	5.8
17	-8	2.01	19.5	5.7
15	-9	1.99	18.7	5.5
10	-12	1.94	16.6	4.9
5	-15	1.82	14.8	4.3
0	-18	1.70	13.0	3.8
-5	-21	1.58	11.2	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.6	8.1	1.21	.79	.95	1.00	26.2	7.7	1.41	.81	.98	1.00	24.6	7.2	1.64	.84	1.00	1.00	23.2	6.8	1.90	.87	1.00	1.00
	1055	500	28.4	8.3	1.22	.82	.99	1.00	27.0	7.9	1.42	.85	1.00	1.00	25.6	7.5	1.64	.88	1.00	1.00	24.2	7.1	1.91	.92	1.00	1.00
67°F (19°C)	930	440	29.2	8.6	1.23	.62	.77	.91	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.65	.64	.81	.97	24.4	7.2	1.91	.66	.84	1.00
	1055	500	30.2	8.9	1.23	.64	.80	.95	28.6	8.4	1.43	.65	.82	.98	26.8	7.9	1.65	.67	.85	1.00	25.0	7.3	1.91	.69	.88	1.00
71°F (22°C)	930	440	31.0	9.1	1.24	.46	.61	.74	29.4	8.6	1.43	.47	.62	.76	27.8	8.1	1.66	.47	.63	.78	26.0	7.6	1.92	.48	.65	.81
	1055	500	32.0	9.4	1.25	.47	.62	.77	30.2	8.9	1.44	.48	.64	.79	28.6	8.4	1.66	.48	.66	.82	26.8	7.9	1.93	.49	.68	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	36.6	10.7	2.24	.79	.94	1.00	34.6	10.1	2.50	.81	.98	1.00	32.4	9.5	2.80	.84	1.00	1.00	30.4	8.9	3.14	.88	1.00	1.00
	1440	680	37.4	11.0	2.25	.82	.98	1.00	35.4	10.4	2.51	.85	1.00	1.00	33.6	9.8	2.82	.88	1.00	1.00	31.4	9.2	3.16	.92	1.00	1.00
67°F (19°C)	1275	600	38.5	11.3	2.26	.62	.77	.91	36.6	10.7	2.53	.63	.79	.94	34.4	10.1	2.83	.65	.81	.98	31.8	9.3	3.16	.67	.85	1.00
	1440	680	39.5	11.6	2.27	.64	.80	.95	37.4	11.0	2.54	.65	.82	.98	35.0	10.3	2.84	.67	.85	1.00	32.6	9.6	3.17	.69	.89	1.00
71°F (22°C)	1275	600	41.0	12.0	2.28	.46	.61	.74	38.5	11.3	2.55	.47	.62	.76	36.2	10.6	2.85	.47	.63	.79	33.8	9.9	3.19	.49	.66	.82
	1440	680	42.0	12.3	2.30	.47	.63	.77	39.5	11.6	2.56	.48	.64	.80	37.0	10.8	2.86	.49	.66	.83	34.4	10.1	3.20	.50	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
890	420	28.7	8.4	1.73	26.7	7.8	1.67	24.7	7.2	1.62	22.7	6.7	1.56
995	470	29.2	8.6	1.66	27.2	8.0	1.61	25.2	7.4	1.55	23.1	6.8	1.50

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.2	11.5	2.52	30.1	8.8	2.30	20.3	5.9	2.07	14.9	4.4	1.84	7.7	2.3	1.34
1440	680	39.8	11.7	2.45	30.7	9.0	2.23	20.9	6.1	2.00	15.5	4.5	1.77	8.3	2.4	1.28

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-49C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.52	39.2	11.5
60	16	2.46	37.2	10.9
55	13	2.41	35.1	10.3
50	10	2.36	33.1	9.7
47	8	2.33	31.9	9.3
45	7	2.30	30.1	8.8
40	4	2.21	25.7	7.5
35	2	2.12	21.3	6.2
30	-1	2.09	20.8	6.1
25	-4	2.07	20.3	5.9
20	-7	2.05	19.8	5.8
17	-8	2.03	19.5	5.7
15	-9	2.01	18.7	5.5
10	-12	1.96	16.7	4.9
5	-15	1.84	14.9	4.4
0	-18	1.71	13.1	3.8
-5	-21	1.59	11.3	3.3
-10	-23	1.47	9.5	2.8
-15	-26	1.34	7.7	2.3
-20	-29	1.22	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	25.8	7.6	1.20	.75	.88	1.00	24.6	7.2	1.39	.77	.91	1.00	23.2	6.8	1.62	.79	.94	1.00	21.6	6.3	1.88	.81	.97	1.00
	840	395	26.6	7.8	1.20	.77	.92	1.00	25.2	7.4	1.40	.79	.95	1.00	23.8	7.0	1.62	.82	.98	1.00	22.2	6.5	1.88	.85	1.00	1.00
67°F (19°C)	740	350	27.4	8.0	1.21	.59	.72	.84	26.0	7.6	1.41	.60	.74	.87	24.6	7.2	1.63	.61	.76	.90	23.0	6.7	1.89	.63	.78	.93
	840	395	28.4	8.3	1.22	.61	.75	.88	27.0	7.9	1.41	.62	.76	.90	25.4	7.4	1.63	.63	.79	.94	23.8	7.0	1.89	.65	.81	.97
71°F (22°C)	740	350	29.2	8.6	1.22	.45	.58	.70	27.8	8.1	1.42	.46	.59	.71	26.2	7.7	1.64	.46	.60	.73	24.6	7.2	1.90	.46	.61	.75
	840	395	30.0	8.8	1.23	.46	.59	.72	28.6	8.4	1.42	.46	.60	.74	27.0	7.9	1.65	.47	.61	.76	25.4	7.4	1.90	.47	.63	.79

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1290	610	36.8	10.8	2.24	.79	.95	1.00	34.6	10.1	2.51	.82	.98	1.00	32.6	9.6	2.80	.85	1.00	1.00	30.4	8.9	3.14	.88	1.00	1.00
	1465	690	37.6	11.0	2.25	.82	.99	1.00	35.6	10.4	2.52	.85	1.00	1.00	33.6	9.8	2.82	.88	1.00	1.00	31.6	9.3	3.16	.92	1.00	1.00
67°F (19°C)	1290	610	39.0	11.4	2.26	.62	.77	.91	36.6	10.7	2.53	.63	.79	.94	34.4	10.1	2.83	.64	.82	.98	31.8	9.3	3.16	.67	.86	1.00
	1465	690	40.0	11.7	2.27	.64	.80	.95	37.6	11.0	2.54	.65	.83	.99	35.2	10.3	2.84	.67	.86	1.00	32.6	9.6	3.18	.70	.90	1.00
71°F (22°C)	1290	610	41.0	12.0	2.29	.46	.61	.74	38.5	11.3	2.55	.47	.62	.77	36.4	10.7	2.85	.47	.64	.79	33.8	9.9	3.19	.49	.66	.83
	1465	690	42.0	12.3	2.30	.47	.63	.78	39.5	11.6	2.56	.48	.64	.80	37.0	10.8	2.86	.49	.66	.83	34.4	10.1	3.20	.50	.69	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	27.9	8.2	1.86	26.0	7.6	1.79	24.1	7.1	1.73	22.1	6.5	1.66
840	395	28.4	8.3	1.77	26.5	7.8	1.71	24.6	7.2	1.64	22.6	6.6	1.58

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1290	610	39.3	11.5	2.51	30.1	8.8	2.29	20.3	5.9	2.06	14.8	4.3	1.83	7.7	2.3	1.34
1465	690	39.9	11.7	2.44	30.7	9.0	2.23	20.9	6.1	2.00	15.5	4.5	1.77	8.3	2.4	1.28

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-49C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	39.3	11.5
60	16	2.46	37.2	10.9
55	13	2.41	35.2	10.3
50	10	2.36	33.1	9.7
47	8	2.33	31.9	9.3
45	7	2.29	30.1	8.8
40	4	2.20	25.7	7.5
35	2	2.11	21.3	6.2
30	-1	2.09	20.8	6.1
25	-4	2.06	20.3	5.9
20	-7	2.04	19.8	5.8
17	-8	2.03	19.5	5.7
15	-9	2.01	18.7	5.5
10	-12	1.96	16.6	4.9
5	-15	1.83	14.8	4.3
0	-18	1.71	13.1	3.8
-5	-21	1.59	11.3	3.3
-10	-23	1.46	9.5	2.8
-15	-26	1.34	7.7	2.3
-20	-29	1.22	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.4	8.0	1.21	.80	.95	1.00	26.0	7.6	1.40	.82	.98	1.00	24.4	7.2	1.63	.84	1.00	1.00	23.0	6.7	1.89	.88	1.00	1.00
	1055	500	28.4	8.3	1.22	.83	.99	1.00	26.8	7.9	1.41	.85	1.00	1.00	25.6	7.5	1.63	.88	1.00	1.00	24.0	7.0	1.89	.92	1.00	1.00
67°F (19°C)	930	440	29.4	8.6	1.22	.62	.77	.92	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.64	.65	.82	.98	24.2	7.1	1.90	.67	.85	1.00
	1055	500	30.2	8.9	1.23	.64	.80	.96	28.6	8.4	1.42	.65	.83	.99	26.8	7.9	1.64	.67	.86	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	930	440	31.4	9.2	1.24	.46	.60	.74	29.8	8.7	1.43	.47	.62	.76	28.0	8.2	1.65	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82
	1055	500	32.2	9.4	1.25	.47	.63	.78	30.6	9.0	1.44	.47	.64	.80	28.6	8.4	1.66	.48	.66	.83	26.8	7.9	1.92	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	37.0	10.8	2.24	.81	.97	1.00	34.8	10.2	2.51	.83	1.00	1.00	32.8	9.6	2.81	.86	1.00	1.00	30.8	9.0	3.15	.90	1.00	1.00
	1520	715	37.8	11.1	2.25	.84	1.00	1.00	35.8	10.5	2.52	.86	1.00	1.00	34.0	10.0	2.82	.90	1.00	1.00	31.6	9.3	3.16	.94	1.00	1.00
67°F (19°C)	1355	640	39.5	11.6	2.27	.63	.78	.94	37.2	10.9	2.53	.64	.81	.97	34.6	10.1	2.83	.66	.84	1.00	32.0	9.4	3.17	.68	.87	1.00
	1520	715	40.0	11.7	2.28	.65	.81	.97	37.8	11.1	2.54	.66	.84	1.00	35.4	10.4	2.84	.68	.87	1.00	32.6	9.6	3.17	.70	.91	1.00
71°F (22°C)	1355	640	42.0	12.3	2.30	.47	.61	.76	39.5	11.6	2.56	.47	.63	.78	37.0	10.8	2.86	.48	.65	.81	34.2	10.0	3.20	.49	.67	.85
	1520	715	42.5	12.5	2.30	.47	.64	.79	40.0	11.7	2.57	.48	.65	.82	37.6	11.0	2.87	.49	.67	.85	34.8	10.2	3.21	.50	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
930	440	29.1	8.5	1.68	27.0	7.9	1.63	24.9	7.3	1.58	22.9	6.7	1.53
1055	500	29.5	8.6	1.61	27.4	8.0	1.56	25.3	7.4	1.51	23.2	6.8	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1355	640	39.6	11.6	2.45	30.3	8.9	2.25	20.4	6.0	2.04	14.9	4.4	1.81	7.7	2.3	1.32
1520	715	40.1	11.8	2.40	30.9	9.1	2.20	20.9	6.1	1.98	15.4	4.5	1.76	8.2	2.4	1.27

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-50/60C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.45	39.6	11.6
60	16	2.40	37.5	11.0
55	13	2.36	35.4	10.4
50	10	2.31	33.3	9.8
47	8	2.28	32.1	9.4
45	7	2.25	30.3	8.9
40	4	2.17	25.8	7.6
35	2	2.08	21.4	6.3
30	-1	2.06	20.9	6.1
25	-4	2.04	20.4	6.0
20	-7	2.01	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.98	18.7	5.5
10	-12	1.94	16.7	4.9
5	-15	1.81	14.9	4.4
0	-18	1.69	13.1	3.8
-5	-21	1.57	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	890	420	27.2	8.0	1.21	.79	.94	1.00	25.8	7.6	1.40	.81	.97	1.00	24.2	7.1	1.62	.83	1.00	1.00	22.8	6.7	1.88	.86	1.00	1.00
(17°C)	995	470	28.0	8.2	1.21	.81	.98	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.90	1.00	1.00
67°F	890	420	29.2	8.6	1.22	.61	.76	.90	27.6	8.1	1.42	.62	.78	.93	26.0	7.6	1.64	.64	.80	.96	24.2	7.1	1.90	.66	.83	.99
(19°C)	995	470	29.8	8.7	1.23	.63	.79	.94	28.2	8.3	1.42	.64	.81	.97	26.4	7.7	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.87	1.00
71°F	890	420	31.0	9.1	1.24	.46	.60	.73	29.6	8.7	1.43	.46	.61	.75	27.8	8.1	1.65	.47	.62	.77	26.0	7.6	1.91	.48	.64	.80
(22°C)	995	470	31.8	9.3	1.24	.46	.61	.76	30.2	8.9	1.44	.47	.63	.78	28.4	8.3	1.66	.48	.64	.81	26.4	7.7	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1275	600	36.6	10.7	2.24	.79	.95	1.00	34.6	10.1	2.50	.81	.98	1.00	32.4	9.5	2.80	.84	1.00	1.00	30.2	8.9	3.14	.88	1.00	1.00
(17°C)	1440	680	37.4	11.0	2.25	.82	.99	1.00	35.4	10.4	2.51	.85	1.00	1.00	33.4	9.8	2.82	.88	1.00	1.00	31.2	9.1	3.16	.92	1.00	1.00
67°F	1275	600	39.0	11.4	2.26	.62	.77	.92	36.8	10.8	2.53	.63	.79	.94	34.4	10.1	2.83	.65	.82	.98	31.8	9.3	3.16	.67	.85	1.00
(19°C)	1440	680	40.0	11.7	2.27	.64	.80	.95	37.4	11.0	2.54	.65	.82	.99	35.2	10.3	2.84	.67	.85	1.00	32.4	9.5	3.17	.69	.89	1.00
71°F	1275	600	41.5	12.2	2.29	.46	.60	.74	39.0	11.4	2.56	.47	.62	.77	36.6	10.7	2.85	.47	.63	.79	34.0	10.0	3.19	.48	.66	.83
(22°C)	1440	680	42.5	12.5	2.30	.47	.62	.78	40.0	11.7	2.57	.48	.64	.80	37.4	11.0	2.87	.48	.66	.83	34.6	10.1	3.20	.49	.68	

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
890	420	28.9	8.5	1.71	26.8	7.9	1.66	24.8	7.3	1.60	22.8	6.7	1.55
995	470	29.3	8.6	1.64	27.2	8.0	1.59	25.2	7.4	1.53	23.2	6.8	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.4	11.5	2.49	30.2	8.9	2.28	20.3	5.9	2.06	14.9	4.4	1.83	7.7	2.3	1.33
1440	680	40.0	11.7	2.43	30.8	9.0	2.22	20.9	6.1	2.00	15.4	4.5	1.77	8.2	2.4	1.27

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-50/60C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	39.4	11.5
60	16	2.44	37.3	10.9
55	13	2.39	35.3	10.3
50	10	2.34	33.2	9.7
47	8	2.31	31.9	9.3
45	7	2.28	30.2	8.9
40	4	2.19	25.7	7.5
35	2	2.11	21.3	6.2
30	-1	2.08	20.8	6.1
25	-4	2.06	20.3	5.9
20	-7	2.03	19.8	5.8
17	-8	2.02	19.6	5.7
15	-9	2.00	18.7	5.5
10	-12	1.95	16.7	4.9
5	-15	1.83	14.9	4.4
0	-18	1.70	13.1	3.8
-5	-21	1.58	11.3	3.3
-10	-23	1.46	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	26.0	7.6	1.20	.75	.89	1.00	24.6	7.2	1.39	.77	.91	1.00	23.2	6.8	1.62	.79	.94	1.00	21.6	6.3	1.88	.81	.97	1.00
	840	395	26.8	7.9	1.20	.77	.92	1.00	25.4	7.4	1.40	.79	.95	1.00	23.8	7.0	1.62	.82	.98	1.00	22.2	6.5	1.88	.85	1.00	1.00
67°F (19°C)	740	350	27.8	8.1	1.21	.59	.72	.85	26.4	7.7	1.41	.60	.74	.87	24.8	7.3	1.63	.61	.76	.90	23.2	6.8	1.89	.63	.78	.93
	840	395	28.8	8.4	1.22	.61	.75	.88	27.2	8.0	1.41	.62	.76	.91	25.6	7.5	1.64	.63	.79	.94	23.8	7.0	1.89	.65	.82	.98
71°F (22°C)	740	350	29.6	8.7	1.23	.45	.57	.69	28.2	8.3	1.42	.45	.58	.71	26.6	7.8	1.64	.46	.60	.73	24.8	7.3	1.90	.46	.61	.75
	840	395	30.6	9.0	1.23	.46	.59	.72	29.0	8.5	1.43	.46	.60	.74	27.4	8.0	1.65	.46	.61	.76	25.6	7.5	1.91	.47	.63	.79

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1290	610	36.6	10.7	2.24	.80	.95	1.00	34.6	10.1	2.50	.82	.98	1.00	32.4	9.5	2.80	.85	1.00	1.00	30.4	8.9	3.14	.88	1.00	1.00
	1465	690	37.6	11.0	2.25	.83	.99	1.00	35.6	10.4	2.51	.85	1.00	1.00	33.6	9.8	2.82	.89	1.00	1.00	31.4	9.2	3.16	.93	1.00	1.00
67°F (19°C)	1290	610	39.0	11.4	2.26	.62	.77	.92	36.8	10.8	2.53	.63	.79	.95	34.4	10.1	2.83	.65	.82	.98	31.8	9.3	3.16	.67	.86	1.00
	1465	690	40.0	11.7	2.28	.64	.80	.96	37.6	11.0	2.54	.65	.83	.99	35.2	10.3	2.84	.67	.86	1.00	32.4	9.5	3.17	.70	.90	1.00
71°F (22°C)	1290	610	41.5	12.2	2.29	.46	.61	.75	39.0	11.4	2.56	.47	.62	.77	36.6	10.7	2.86	.47	.64	.79	34.0	10.0	3.19	.48	.66	.83
	1465	690	42.5	12.5	2.30	.47	.63	.78	40.0	11.7	2.57	.48	.64	.80	37.4	11.0	2.87	.48	.66	.83	34.6	10.1	3.20	.49	.69	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
740	350	28.1	8.2	1.83	26.1	7.6	1.77	24.2	7.1	1.71	22.2	6.5	1.64
840	395	28.6	8.4	1.75	26.6	7.8	1.69	24.6	7.2	1.62	22.7	6.7	1.56

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-50/60C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1290	610	39.4	11.5	2.48	30.2	8.9	2.27	20.3	5.9	2.05	14.8	4.3	1.82	7.7	2.3	1.33
1465	690	40.0	11.7	2.42	30.8	9.0	2.21	20.9	6.1	1.99	15.4	4.5	1.76	8.2	2.4	1.27

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-50/60C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.48	39.4	11.5
60	16	2.43	37.3	10.9
55	13	2.39	35.3	10.3
50	10	2.34	33.2	9.7
47	8	2.31	32.0	9.4
45	7	2.27	30.2	8.9
40	4	2.19	25.7	7.5
35	2	2.10	21.3	6.2
30	-1	2.08	20.8	6.1
25	-4	2.05	20.3	5.9
20	-7	2.03	19.8	5.8
17	-8	2.01	19.5	5.7
15	-9	1.99	18.7	5.5
10	-12	1.94	16.6	4.9
5	-15	1.82	14.8	4.3
0	-18	1.70	13.0	3.8
-5	-21	1.58	11.2	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.21	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-60D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	900	425	27.6	8.1	1.21	.80	.95	1.00	26.0	7.6	1.40	.82	.98	1.00	24.6	7.2	1.63	.84	1.00	1.00	23.2	6.8	1.89	.88	1.00	1.00
	1000	470	28.2	8.3	1.22	.82	.99	1.00	26.8	7.9	1.41	.85	1.00	1.00	25.4	7.4	1.63	.88	1.00	1.00	24.0	7.0	1.89	.92	1.00	1.00
67°F (19°C)	900	425	29.2	8.6	1.22	.62	.77	.91	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.64	.65	.82	.97	24.4	7.2	1.90	.67	.85	1.00
	1000	470	30.0	8.8	1.23	.64	.80	.95	28.4	8.3	1.42	.65	.82	.98	26.8	7.9	1.64	.67	.85	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	900	425	31.2	9.1	1.24	.46	.60	.74	29.8	8.7	1.43	.47	.62	.76	28.0	8.2	1.65	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82
	1000	470	32.0	9.4	1.25	.47	.62	.77	30.4	8.9	1.44	.47	.64	.79	28.6	8.4	1.66	.48	.65	.82	26.8	7.9	1.92	.49	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-60D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	37.0	10.8	2.24	.80	.96	1.00	35.0	10.3	2.51	.83	.99	1.00	32.8	9.6	2.81	.86	1.00	1.00	30.8	9.0	3.15	.89	1.00	1.00
	1430	675	38.0	11.1	2.25	.83	1.00	1.00	36.0	10.6	2.52	.86	1.00	1.00	34.0	10.0	2.82	.89	1.00	1.00	31.8	9.3	3.16	.93	1.00	1.00
67°F (19°C)	1275	600	39.0	11.4	2.27	.62	.78	.93	37.0	10.8	2.53	.64	.80	.96	34.6	10.1	2.83	.66	.83	.99	32.2	9.4	3.17	.68	.87	1.00
	1430	675	40.0	11.7	2.28	.64	.81	.97	37.8	11.1	2.54	.66	.84	1.00	35.4	10.4	2.84	.68	.87	1.00	32.6	9.6	3.18	.70	.91	1.00
71°F (22°C)	1275	600	41.5	12.2	2.29	.46	.61	.75	39.5	11.6	2.56	.47	.62	.78	36.8	10.8	2.86	.48	.64	.81	34.2	10.0	3.20	.49	.67	.84
	1430	675	42.5	12.5	2.30	.47	.63	.79	40.0	11.7	2.57	.48	.65	.81	37.6	11.0	2.87	.49	.67	.84	34.8	10.2	3.21	.50	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-60D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
900	425	29.1	8.5	1.66	27.0	7.9	1.61	25.0	7.3	1.56	22.9	6.7	1.51
1000	470	29.4	8.6	1.60	27.4	8.0	1.55	25.3	7.4	1.50	23.2	6.8	1.45

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-60D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.5	11.6	2.44	30.2	8.9	2.24	20.2	5.9	2.03	14.7	4.3	1.81	7.6	2.2	1.32
1430	675	40.0	11.7	2.38	30.7	9.0	2.18	20.7	6.1	1.97	15.2	4.5	1.75	8.1	2.4	1.26

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-60D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	39.5	11.6
60	16	2.39	37.4	11.0
55	13	2.34	35.3	10.3
50	10	2.30	33.2	9.7
47	8	2.27	32.0	9.4
45	7	2.24	30.2	8.9
40	4	2.16	25.7	7.5
35	2	2.07	21.3	6.2
30	-1	2.05	20.7	6.1
25	-4	2.03	20.2	5.9
20	-7	2.01	19.7	5.8
17	-8	2.00	19.4	5.7
15	-9	1.98	18.6	5.5
10	-12	1.93	16.5	4.8
5	-15	1.81	14.7	4.3
0	-18	1.69	12.9	3.8
-5	-21	1.57	11.2	3.3
-10	-23	1.45	9.4	2.8
-15	-26	1.32	7.6	2.2
-20	-29	1.20	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-60D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	915	430	27.6	8.1	1.21	.80	.96	1.00	26.2	7.7	1.41	.82	.98	1.00	24.6	7.2	1.63	.85	1.00	1.00	23.4	6.9	1.89	.88	1.00	1.00
	1025	485	28.4	8.3	1.22	.83	.99	1.00	27.0	7.9	1.41	.86	1.00	1.00	25.6	7.5	1.64	.89	1.00	1.00	24.2	7.1	1.90	.92	1.00	1.00
67°F (19°C)	915	430	29.4	8.6	1.23	.62	.77	.92	27.8	8.1	1.42	.63	.80	.95	26.2	7.7	1.64	.65	.82	.98	24.4	7.2	1.90	.67	.85	1.00
	1025	485	30.2	8.9	1.23	.64	.80	.96	28.6	8.4	1.42	.66	.83	.99	26.8	7.9	1.65	.67	.86	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	915	430	31.4	9.2	1.24	.46	.61	.74	29.8	8.7	1.43	.47	.62	.77	28.0	8.2	1.65	.47	.64	.79	26.2	7.7	1.91	.48	.65	.82
	1025	485	32.2	9.4	1.25	.47	.63	.78	30.6	9.0	1.44	.48	.64	.80	28.8	8.4	1.66	.48	.66	.83	26.8	7.9	1.92	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-60D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	915	430	27.6	8.1	1.21	.80	.96	1.00	26.2	7.7	1.41	.82	.98	1.00	24.6	7.2	1.63	.85	1.00	1.00	23.4	6.9	1.89	.88	1.00	1.00
	1025	485	28.4	8.3	1.22	.83	.99	1.00	27.0	7.9	1.41	.86	1.00	1.00	25.6	7.5	1.64	.89	1.00	1.00	24.2	7.1	1.90	.92	1.00	1.00
67°F (19°C)	915	430	29.4	8.6	1.23	.62	.77	.92	27.8	8.1	1.42	.63	.80	.95	26.2	7.7	1.64	.65	.82	.98	24.4	7.2	1.90	.67	.85	1.00
	1025	485	30.2	8.9	1.23	.64	.80	.96	28.6	8.4	1.42	.66	.83	.99	26.8	7.9	1.65	.67	.86	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	915	430	31.4	9.2	1.24	.46	.61	.74	29.8	8.7	1.43	.47	.62	.77	28.0	8.2	1.65	.47	.64	.79	26.2	7.7	1.91	.48	.65	.82
	1025	485	32.2	9.4	1.25	.47	.63	.78	30.6	9.0	1.44	.48	.64	.80	28.8	8.4	1.66	.48	.66	.83	26.8	7.9	1.92	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-60D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
915	430	29.1	8.5	1.65	27.1	7.9	1.60	25.0	7.3	1.55	22.9	6.7	1.50
1025	485	29.6	8.7	1.59	27.5	8.1	1.54	25.4	7.4	1.49	23.4	6.9	1.44

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-60D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1305	615	39.7	11.6	2.42	30.4	8.9	2.23	20.4	6.0	2.03	14.8	4.3	1.81	7.7	2.3	1.32
1455	685	40.2	11.8	2.36	30.8	9.0	2.17	20.8	6.1	1.97	15.3	4.5	1.75	8.1	2.4	1.26

HEATING PERFORMANCE at 1305 cfm (615 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-60D-6F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.42	39.7	11.6
60	16	2.37	37.6	11.0
55	13	2.33	35.5	10.4
50	10	2.29	33.4	9.8
47	8	2.26	32.2	9.4
45	7	2.23	30.4	8.9
40	4	2.15	25.9	7.6
35	2	2.07	21.4	6.3
30	-1	2.05	20.9	6.1
25	-4	2.03	20.4	6.0
20	-7	2.00	19.9	5.8
17	-8	1.99	19.6	5.7
15	-9	1.97	18.7	5.5
10	-12	1.93	16.6	4.9
5	-15	1.81	14.8	4.3
0	-18	1.68	13.0	3.8
-5	-21	1.56	11.3	3.3
-10	-23	1.44	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	900	425	27.6	8.1	1.21	.80	.95	1.00	26.2	7.7	1.41	.82	.98	1.00	24.8	7.3	1.63	.85	1.00	1.00	23.4	6.9	1.89	.88	1.00	1.00
	1000	470	28.4	8.3	1.22	.82	.99	1.00	27.0	7.9	1.41	.85	1.00	1.00	25.6	7.5	1.64	.88	1.00	1.00	24.2	7.1	1.90	.92	1.00	1.00
67°F (19°C)	900	425	29.4	8.6	1.22	.62	.77	.91	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.64	.65	.82	.98	24.4	7.2	1.90	.67	.85	1.00
	1000	470	30.2	8.9	1.23	.64	.80	.95	28.6	8.4	1.42	.65	.82	.98	26.8	7.9	1.64	.67	.85	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	900	425	31.2	9.1	1.24	.46	.60	.74	29.8	8.7	1.43	.47	.62	.75	28.0	8.2	1.65	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82
	1000	470	32.0	9.4	1.25	.47	.62	.77	30.4	8.9	1.44	.47	.64	.79	28.6	8.4	1.66	.48	.65	.82	26.8	7.9	1.92	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	37.2	10.9	2.25	.80	.96	1.00	35.2	10.3	2.51	.83	.99	1.00	33.2	9.7	2.81	.86	1.00	1.00	31.2	9.1	3.15	.90	1.00	1.00
	1430	675	38.0	11.1	2.26	.83	1.00	1.00	36.2	10.6	2.52	.86	1.00	1.00	34.2	10.0	2.83	.89	1.00	1.00	32.2	9.4	3.17	.94	1.00	1.00
67°F (19°C)	1275	600	39.5	11.6	2.27	.63	.77	.93	37.2	10.9	2.54	.64	.80	.96	35.0	10.3	2.84	.66	.83	.99	32.4	9.5	3.17	.68	.87	1.00
	1430	675	40.5	11.9	2.28	.65	.81	.97	38.0	11.1	2.54	.66	.84	1.00	35.6	10.4	2.84	.68	.87	1.00	33.0	9.7	3.18	.70	.91	1.00
71°F (22°C)	1275	600	42.0	12.3	2.30	.46	.61	.75	39.5	11.6	2.56	.47	.63	.78	37.2	10.9	2.86	.48	.64	.81	34.4	10.1	3.20	.49	.67	.84
	1430	675	42.5	12.5	2.31	.47	.63	.79	40.5	11.9	2.57	.48	.65	.81	38.0	11.1	2.87	.49	.67	.84	35.2	10.3	3.21	.50	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
900	425	29.0	8.5	1.67	26.9	7.9	1.62	24.9	7.3	1.57	22.8	6.7	1.52
1000	470	29.4	8.6	1.61	27.3	8.0	1.56	25.3	7.4	1.51	23.2	6.8	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.5	11.6	2.43	30.2	8.9	2.24	20.2	5.9	2.03	14.7	4.3	1.82	7.6	2.2	1.32
1430	675	39.9	11.7	2.38	30.6	9.0	2.18	20.7	6.1	1.98	15.2	4.5	1.76	8.0	2.3	1.27

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-62D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	39.5	11.6
60	16	2.39	37.4	11.0
55	13	2.34	35.3	10.3
50	10	2.30	33.2	9.7
47	8	2.27	32.0	9.4
45	7	2.24	30.2	8.9
40	4	2.15	25.7	7.5
35	2	2.07	21.3	6.2
30	-1	2.05	20.8	6.1
25	-4	2.03	20.2	5.9
20	-7	2.01	19.7	5.8
17	-8	2.00	19.4	5.7
15	-9	1.98	18.6	5.5
10	-12	1.94	16.5	4.8
5	-15	1.82	14.7	4.3
0	-18	1.69	12.9	3.8
-5	-21	1.57	11.2	3.3
-10	-23	1.45	9.4	2.8
-15	-26	1.32	7.6	2.2
-20	-29	1.20	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	915	430	27.6	8.1	1.21	.80	.96	1.00	26.2	7.7	1.41	.82	.99	1.00	24.8	7.3	1.63	.85	1.00	1.00	23.4	6.9	1.89	.89	1.00	1.00
	1025	485	28.4	8.3	1.22	.83	.99	1.00	27.2	8.0	1.41	.86	1.00	1.00	25.8	7.6	1.64	.89	1.00	1.00	24.4	7.2	1.90	.92	1.00	1.00
67°F (19°C)	915	430	29.4	8.6	1.23	.62	.77	.92	28.0	8.2	1.42	.64	.80	.95	26.4	7.7	1.64	.65	.82	.98	24.6	7.2	1.90	.67	.86	1.00
	1025	485	30.4	8.9	1.23	.64	.80	.96	28.6	8.4	1.42	.66	.83	.99	27.0	7.9	1.65	.67	.86	1.00	25.2	7.4	1.90	.69	.90	1.00
71°F (22°C)	915	430	31.4	9.2	1.24	.46	.61	.75	29.8	8.7	1.43	.47	.62	.75	28.2	8.3	1.66	.47	.64	.79	26.4	7.7	1.91	.48	.66	.83
	1025	485	32.2	9.4	1.25	.47	.63	.78	30.6	9.0	1.44	.48	.64	.80	28.8	8.4	1.66	.48	.66	.83	27.0	7.9	1.92	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1305	615	37.4	11.0	2.25	.81	.97	1.00	35.4	10.4	2.51	.84	1.00	1.00	33.4	9.8	2.81	.87	1.00	1.00	31.4	9.2	3.16	.90	1.00	1.00
	1455	685	38.5	11.3	2.26	.84	1.00	1.00	36.4	10.7	2.53	.87	1.00	1.00	34.4	10.1	2.83	.90	1.00	1.00	32.4	9.5	3.17	.94	1.00	1.00
67°F (19°C)	1305	615	39.5	11.6	2.27	.63	.78	.94	37.4	11.0	2.54	.64	.81	.97	35.0	10.3	2.84	.66	.84	1.00	32.6	9.6	3.17	.68	.88	1.00
	1455	685	40.5	11.9	2.28	.65	.82	.97	38.0	11.1	2.55	.66	.84	1.00	35.8	10.5	2.84	.68	.88	1.00	33.0	9.7	3.18	.71	.92	1.00
71°F (22°C)	1305	615	42.0	12.3	2.30	.47	.62	.76	39.5	11.6	2.57	.47	.63	.78	37.2	10.9	2.87	.48	.65	.81	34.6	10.1	3.21	.49	.67	.85
	1455	685	43.0	12.6	2.31	.47	.64	.79	40.5	11.9	2.58	.48	.65	.82	38.0	11.1	2.87	.49	.67	.85	35.2	10.3	3.21	.50	.70	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
915	430	29.1	8.5	1.66	27.0	7.9	1.61	25.0	7.3	1.56	22.9	6.7	1.51
1025	485	29.6	8.7	1.60	27.5	8.1	1.55	25.5	7.5	1.50	23.4	6.9	1.45

SECOND STAGE HEATING CAPACITY - XP19-036 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1305	615	39.7	11.6	2.43	30.4	8.9	2.23	20.4	6.0	2.02	14.8	4.3	1.81	7.7	2.3	1.32
1455	685	40.2	11.8	2.37	30.8	9.0	2.17	20.8	6.1	1.96	15.3	4.5	1.75	8.1	2.4	1.26

HEATING PERFORMANCE at 1305 cfm (615 L/s) Indoor Coil Air Volume
XP19-036 with [CX34-62D-6F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	39.7	11.6
60	16	2.38	37.6	11.0
55	13	2.34	35.5	10.4
50	10	2.29	33.4	9.8
47	8	2.26	32.1	9.4
45	7	2.23	30.4	8.9
40	4	2.14	25.9	7.6
35	2	2.06	21.4	6.3
30	-1	2.04	20.9	6.1
25	-4	2.02	20.4	6.0
20	-7	2.00	19.9	5.8
17	-8	1.99	19.6	5.7
15	-9	1.98	18.7	5.5
10	-12	1.93	16.6	4.9
5	-15	1.81	14.8	4.3
0	-18	1.69	13.0	3.8
-5	-21	1.56	11.2	3.3
-10	-23	1.44	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-48B/C-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.20	.76	.91	1.00	24.8	7.3	1.40	.78	.93	1.00	23.4	6.9	1.62	.80	.96	1.00	22.0	6.4	1.88	.83	.99	1.00
	900	425	27.0	7.9	1.21	.79	.94	1.00	25.6	7.5	1.40	.81	.97	1.00	24.0	7.0	1.62	.83	1.00	1.00	22.6	6.6	1.88	.87	1.00	1.00
	1000	470	27.6	8.1	1.21	.81	.98	1.00	26.2	7.7	1.41	.84	1.00	1.00	24.8	7.3	1.63	.87	1.00	1.00	23.4	6.9	1.89	.90	1.00	1.00
67°F (19°C)	800	380	28.2	8.3	1.22	.60	.73	.87	26.8	7.9	1.41	.61	.75	.89	25.2	7.4	1.63	.62	.77	.92	23.4	6.9	1.89	.64	.80	.96
	900	425	28.8	8.4	1.22	.61	.76	.90	27.4	8.0	1.42	.62	.78	.93	25.8	7.6	1.64	.64	.81	.96	24.0	7.0	1.90	.66	.84	.99
	1000	470	29.4	8.6	1.23	.63	.79	.94	28.0	8.2	1.42	.64	.81	.96	26.4	7.7	1.64	.66	.84	.99	24.6	7.2	1.90	.68	.87	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.58	.71	28.4	8.3	1.42	.45	.59	.72	26.8	7.9	1.65	.45	.60	.75	25.2	7.4	1.90	.46	.62	.77
	900	425	30.6	9.0	1.23	.45	.60	.73	29.2	8.6	1.43	.46	.61	.75	27.6	8.1	1.65	.46	.62	.78	25.8	7.6	1.91	.47	.64	.81
	1000	470	31.2	9.1	1.24	.46	.62	.76	29.8	8.7	1.43	.47	.63	.78	28.2	8.3	1.65	.47	.64	.81	26.2	7.7	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-48B/C-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.4	10.1	2.21	.74	.88	1.00	32.4	9.5	2.48	.76	.90	1.00	30.4	8.9	2.78	.78	.93	1.00	28.2	8.3	3.11	.81	.97	1.00
	1200	565	35.6	10.4	2.23	.78	.93	1.00	33.6	9.8	2.49	.80	.96	1.00	31.6	9.3	2.79	.82	.99	1.00	29.4	8.6	3.13	.86	1.00	1.00
	1400	660	36.6	10.7	2.24	.82	.98	1.00	34.6	10.1	2.50	.84	.99	1.00	32.6	9.6	2.81	.87	1.00	1.00	30.6	9.0	3.14	.91	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.24	.59	.72	.84	34.6	10.1	2.50	.60	.73	.87	32.4	9.5	2.80	.61	.75	.90	30.0	8.8	3.14	.62	.78	.93
	1200	565	38.0	11.1	2.25	.61	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.80	.96	31.2	9.1	3.16	.65	.83	.99
	1400	660	39.0	11.4	2.26	.63	.79	.94	36.8	10.8	2.53	.64	.81	.97	34.6	10.1	2.83	.66	.84	.99	31.8	9.3	3.16	.68	.88	1.00
71°F (22°C)	1000	470	38.5	11.3	2.26	.44	.57	.69	36.6	10.7	2.53	.44	.58	.71	34.4	10.1	2.83	.45	.59	.73	32.0	9.4	3.17	.46	.61	.75
	1200	565	40.0	11.7	2.28	.45	.59	.73	38.0	11.1	2.55	.46	.61	.75	35.6	10.4	2.84	.47	.62	.77	33.2	9.7	3.18	.47	.64	.81
	1400	660	41.5	12.2	2.29	.47	.62	.77	39.0	11.4	2.56	.47	.63	.79	36.6	10.7	2.86	.48	.65	.82	34.0	10.0	3.19	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-48B/C-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	29.3	8.6	1.74	27.3	8.0	1.69	25.2	7.4	1.64	23.2	6.8	1.59
900	425	29.8	8.7	1.67	27.8	8.1	1.62	25.7	7.5	1.57	23.7	6.9	1.51
1000	470	30.2	8.9	1.61	28.2	8.3	1.56	26.2	7.7	1.51	24.1	7.1	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-48B/C-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.0	11.4	2.61	29.9	8.8	2.38	20.1	5.9	2.14	14.6	4.3	1.91	7.1	2.1	1.42
1200	565	39.8	11.7	2.50	30.7	9.0	2.28	20.9	6.1	2.04	15.4	4.5	1.80	7.9	2.3	1.32
1400	660	40.5	11.9	2.43	31.4	9.2	2.20	21.6	6.3	1.97	16.1	4.7	1.73	8.6	2.5	1.25

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-48B/C-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.50	39.8	11.7
60	16	2.45	37.8	11.1
55	13	2.40	35.8	10.5
50	10	2.34	33.7	9.9
47	8	2.31	32.5	9.5
45	7	2.28	30.7	9.0
40	4	2.19	26.2	7.7
35	2	2.09	21.8	6.4
30	-1	2.07	21.4	6.3
25	-4	2.04	20.9	6.1
20	-7	2.01	20.5	6.0
17	-8	2.00	20.2	5.9
15	-9	1.98	19.4	5.7
10	-12	1.92	17.3	5.1
5	-15	1.80	15.4	4.5
0	-18	1.68	13.6	4.0
-5	-21	1.56	11.7	3.4
-10	-23	1.44	9.8	2.9
-15	-26	1.32	7.9	2.3
-20	-29	1.20	6.1	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	25.8	7.6	1.20	.75	.89	1.00	24.4	7.2	1.39	.76	.91	1.00	23.0	6.7	1.62	.78	.94	1.00	21.4	6.3	1.87	.81	.97	1.00
	825	390	26.4	7.7	1.20	.77	.92	1.00	25.0	7.3	1.40	.79	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	950	450	27.2	8.0	1.21	.80	.96	1.00	25.8	7.6	1.40	.82	.99	1.00	24.4	7.2	1.63	.85	1.00	1.00	23.0	6.7	1.89	.88	1.00	1.00
67°F (19°C)	740	350	27.6	8.1	1.21	.59	.72	.85	26.2	7.7	1.41	.60	.74	.87	24.8	7.3	1.63	.61	.76	.90	23.0	6.7	1.89	.62	.78	.93
	825	390	28.4	8.3	1.22	.60	.74	.88	27.0	7.9	1.41	.61	.76	.90	25.2	7.4	1.63	.62	.78	.94	23.6	6.9	1.89	.64	.81	.97
	950	450	29.2	8.6	1.22	.62	.77	.92	27.6	8.1	1.42	.63	.79	.95	26.0	7.6	1.64	.65	.82	.98	24.2	7.1	1.90	.67	.85	1.00
71°F (22°C)	740	350	29.2	8.6	1.22	.44	.57	.69	28.0	8.2	1.42	.45	.58	.71	26.4	7.7	1.64	.45	.59	.73	24.6	7.2	1.90	.46	.61	.75
	825	390	30.0	8.8	1.23	.45	.59	.71	28.6	8.4	1.42	.45	.60	.73	27.0	7.9	1.65	.46	.61	.75	25.2	7.4	1.90	.47	.62	.78
	950	450	31.0	9.1	1.24	.46	.61	.74	29.6	8.7	1.43	.46	.62	.77	27.8	8.1	1.65	.47	.63	.79	26.0	7.6	1.91	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1040	490	34.6	10.1	2.22	.75	.89	1.00	32.8	9.6	2.48	.77	.91	1.00	30.6	9.0	2.78	.79	.95	1.00	28.4	8.3	3.12	.82	.98	1.00
	1195	565	35.6	10.4	2.23	.78	.93	1.00	33.6	9.8	2.49	.80	.96	1.00	31.6	9.3	2.79	.82	.98	1.00	29.2	8.6	3.13	.86	1.00	1.00
	1400	660	36.6	10.7	2.24	.82	.98	1.00	34.6	10.1	2.50	.84	1.00	1.00	32.6	9.6	2.81	.87	1.00	1.00	30.6	9.0	3.14	.91	1.00	1.00
67°F (19°C)	1040	490	36.8	10.8	2.24	.59	.72	.85	34.8	10.2	2.51	.60	.74	.88	32.6	9.6	2.81	.61	.76	.91	30.2	8.9	3.14	.63	.79	.94
	1195	565	37.8	11.1	2.25	.61	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.80	.95	31.0	9.1	3.16	.65	.83	.99
	1400	660	39.0	11.4	2.26	.63	.79	.94	36.8	10.8	2.53	.64	.81	.97	34.6	10.1	2.83	.66	.84	.99	32.0	9.4	3.16	.68	.88	1.00
71°F (22°C)	1040	490	39.0	11.4	2.26	.45	.58	.70	37.0	10.8	2.53	.45	.59	.72	34.6	10.1	2.83	.46	.60	.74	32.2	9.4	3.17	.46	.62	.76
	1195	565	40.0	11.7	2.28	.45	.59	.73	38.0	11.1	2.54	.46	.61	.75	35.6	10.4	2.84	.47	.62	.77	33.0	9.7	3.18	.47	.64	.80
	1400	660	41.5	12.2	2.29	.47	.62	.77	39.0	11.4	2.56	.47	.63	.79	36.6	10.7	2.86	.48	.65	.82	34.0	10.0	3.19	.49	.67	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	28.4	8.3	1.80	26.4	7.7	1.74	24.4	7.2	1.68	22.4	6.6	1.63
825	390	28.7	8.4	1.72	26.7	7.8	1.67	24.7	7.2	1.61	22.7	6.7	1.55
950	445	29.3	8.6	1.65	27.3	8.0	1.59	25.3	7.4	1.54	23.3	6.8	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1040	490	38.6	11.3	2.59	29.5	8.6	2.36	19.7	5.8	2.12	14.3	4.2	1.88	7.1	2.1	1.40
1195	565	39.2	11.5	2.50	30.1	8.8	2.28	20.4	6.0	2.04	14.9	4.4	1.80	7.7	2.3	1.32
1400	660	40.0	11.7	2.43	30.9	9.1	2.20	21.2	6.2	1.96	15.7	4.6	1.73	8.5	2.5	1.24

HEATING PERFORMANCE at 1195 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-48B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.50	39.2	11.5
60	16	2.45	37.2	10.9
55	13	2.40	35.1	10.3
50	10	2.35	33.1	9.7
47	8	2.31	31.9	9.3
45	7	2.28	30.1	8.8
40	4	2.19	25.7	7.5
35	2	2.10	21.3	6.2
30	-1	2.07	20.8	6.1
25	-4	2.04	20.4	6.0
20	-7	2.01	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.98	18.8	5.5
10	-12	1.92	16.7	4.9
5	-15	1.80	14.9	4.4
0	-18	1.68	13.1	3.8
-5	-21	1.56	11.3	3.3
-10	-23	1.44	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	685	325	25.2	7.4	1.19	.73	.86	.99	24.0	7.0	1.39	.75	.89	1.00	22.6	6.6	1.61	.77	.91	1.00	21.0	6.2	1.87	.79	.95	1.00
	795	375	26.2	7.7	1.20	.76	.91	1.00	24.8	7.3	1.40	.78	.93	1.00	23.4	6.9	1.62	.80	.96	1.00	21.8	6.4	1.88	.83	.99	1.00
	965	455	27.4	8.0	1.21	.80	.97	1.00	26.0	7.6	1.40	.83	.99	1.00	24.6	7.2	1.63	.86	1.00	1.00	23.2	6.8	1.89	.89	1.00	1.00
67°F (19°C)	685	325	27.0	7.9	1.21	.58	.70	.82	25.8	7.6	1.40	.59	.72	.85	24.2	7.1	1.63	.60	.74	.87	22.6	6.6	1.88	.61	.76	.91
	795	375	28.2	8.3	1.22	.60	.73	.86	26.6	7.8	1.41	.61	.75	.89	25.2	7.4	1.63	.62	.77	.92	23.4	6.9	1.89	.64	.80	.96
	965	455	29.2	8.6	1.22	.62	.78	.93	27.8	8.1	1.42	.64	.80	.96	26.2	7.7	1.64	.65	.83	.99	24.4	7.2	1.90	.67	.86	1.00
71°F (22°C)	685	325	28.8	8.4	1.22	.44	.56	.68	27.4	8.0	1.41	.44	.57	.69	25.8	7.6	1.64	.45	.58	.71	24.2	7.1	1.90	.45	.59	.73
	795	375	29.8	8.7	1.23	.45	.58	.71	28.4	8.3	1.42	.45	.59	.72	26.8	7.9	1.64	.45	.60	.74	25.0	7.3	1.90	.46	.62	.77
	965	455	31.0	9.1	1.24	.46	.61	.75	29.6	8.7	1.43	.46	.62	.77	28.0	8.2	1.65	.47	.64	.80	26.0	7.6	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.0	10.0	2.21	.74	.87	.99	32.2	9.4	2.48	.75	.89	1.00	30.2	8.9	2.77	.77	.92	1.00	28.0	8.2	3.11	.80	.96	1.00
	1185	560	35.6	10.4	2.23	.78	.93	1.00	33.6	9.8	2.49	.80	.95	1.00	31.4	9.2	2.79	.82	.98	1.00	29.2	8.6	3.13	.85	1.00	1.00
	1420	670	36.8	10.8	2.24	.82	.98	1.00	34.8	10.2	2.51	.84	1.00	1.00	32.8	9.6	2.81	.87	1.00	1.00	30.6	9.0	3.15	.91	1.00	1.00
67°F (19°C)	970	460	36.2	10.6	2.23	.58	.71	.83	34.4	10.1	2.50	.59	.73	.86	32.2	9.4	2.80	.60	.75	.89	30.0	8.8	3.14	.62	.77	.92
	1185	560	37.8	11.1	2.25	.61	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.80	.95	31.0	9.1	3.15	.65	.83	.99
	1420	670	39.0	11.4	2.26	.63	.79	.95	36.8	10.8	2.53	.65	.82	.97	34.6	10.1	2.83	.66	.85	1.00	32.0	9.4	3.17	.69	.89	1.00
71°F (22°C)	970	460	38.5	11.3	2.26	.44	.57	.68	36.4	10.7	2.53	.44	.58	.70	34.2	10.0	2.82	.45	.59	.72	31.8	9.3	3.16	.46	.60	.75
	1185	560	40.0	11.7	2.28	.45	.59	.73	37.8	11.1	2.54	.46	.60	.75	35.6	10.4	2.84	.46	.62	.77	33.0	9.7	3.18	.47	.64	.80
	1420	670	41.5	12.2	2.29	.47	.62	.77	39.0	11.4	2.56	.47	.64	.79	36.6	10.7	2.86	.48	.65	.82	34.0	10.0	3.20	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
685	320	28.1	8.2	1.86	26.1	7.6	1.80	24.1	7.1	1.74	22.1	6.5	1.68
795	375	28.7	8.4	1.75	26.7	7.8	1.69	24.7	7.2	1.63	22.7	6.7	1.57
965	455	29.5	8.6	1.64	27.5	8.1	1.58	25.5	7.5	1.52	23.5	6.9	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
970	460	38.5	11.3	2.63	29.4	8.6	2.40	19.6	5.7	2.16	14.2	4.2	1.92	6.8	2.0	1.44
1185	560	39.5	11.6	2.51	30.3	8.9	2.28	20.6	6.0	2.04	15.2	4.5	1.80	7.8	2.3	1.32
1420	670	40.7	11.9	2.43	31.6	9.3	2.20	21.8	6.4	1.96	16.4	4.8	1.72	9.0	2.6	1.23

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-48B-F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	39.5	11.6
60	16	2.46	37.4	11.0
55	13	2.40	35.4	10.4
50	10	2.35	33.3	9.8
47	8	2.32	32.1	9.4
45	7	2.28	30.3	8.9
40	4	2.19	25.9	7.6
35	2	2.10	21.5	6.3
30	-1	2.07	21.1	6.2
25	-4	2.04	20.6	6.0
20	-7	2.01	20.1	5.9
17	-8	2.00	19.9	5.8
15	-9	1.98	19.0	5.6
10	-12	1.92	17.0	5.0
5	-15	1.80	15.2	4.5
0	-18	1.68	13.3	3.9
-5	-21	1.56	11.5	3.4
-10	-23	1.44	9.6	2.8
-15	-26	1.32	7.8	2.3
-20	-29	1.20	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	25.6	7.5	1.20	.74	.88	1.00	24.4	7.2	1.39	.76	.90	1.00	22.8	6.7	1.62	.78	.93	1.00	21.4	6.3	1.87	.81	.97	1.00
	815	385	26.4	7.7	1.20	.77	.91	1.00	25.0	7.3	1.40	.78	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	935	440	27.2	8.0	1.21	.80	.96	1.00	25.8	7.6	1.40	.82	.98	1.00	24.2	7.1	1.63	.84	1.00	1.00	22.8	6.7	1.88	.88	1.00	1.00
67°F (19°C)	725	340	27.4	8.0	1.21	.59	.72	.84	26.0	7.6	1.41	.59	.73	.86	24.6	7.2	1.63	.60	.75	.89	23.0	6.7	1.89	.62	.78	.93
	815	385	28.2	8.3	1.22	.60	.74	.87	26.8	7.9	1.41	.61	.76	.90	25.2	7.4	1.63	.62	.78	.93	23.6	6.9	1.89	.64	.81	.96
	935	440	29.0	8.5	1.22	.62	.77	.91	27.6	8.1	1.42	.63	.79	.95	26.0	7.6	1.64	.65	.82	.98	24.2	7.1	1.90	.66	.85	1.00
71°F (22°C)	725	340	29.2	8.6	1.22	.44	.57	.69	27.8	8.1	1.42	.45	.58	.70	26.2	7.7	1.64	.45	.59	.72	24.6	7.2	1.90	.46	.60	.75
	815	385	30.0	8.8	1.23	.45	.58	.71	28.6	8.4	1.42	.45	.59	.73	27.0	7.9	1.65	.46	.61	.75	25.2	7.4	1.90	.47	.62	.78
	935	440	30.8	9.0	1.24	.46	.61	.74	29.4	8.6	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.79	26.0	7.6	1.91	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	34.4	10.1	2.21	.74	.88	1.00	32.6	9.6	2.48	.76	.90	1.00	30.4	8.9	2.78	.78	.94	1.00	28.2	8.3	3.11	.81	.97	1.00
	1190	560	35.6	10.4	2.23	.78	.93	1.00	33.6	9.8	2.49	.80	.95	1.00	31.4	9.2	2.79	.82	.98	1.00	29.2	8.6	3.13	.86	1.00	1.00
	1395	660	36.6	10.7	2.24	.81	.98	1.00	34.6	10.1	2.50	.84	.99	1.00	32.6	9.6	2.81	.87	1.00	1.00	30.6	9.0	3.14	.91	1.00	1.00
67°F (19°C)	1010	475	36.6	10.7	2.24	.59	.72	.84	34.6	10.1	2.50	.60	.73	.87	32.4	9.5	2.80	.61	.76	.90	30.2	8.9	3.14	.62	.78	.94
	1190	560	37.8	11.1	2.25	.61	.75	.89	35.8	10.5	2.52	.62	.77	.92	33.6	9.8	2.82	.63	.80	.95	31.0	9.1	3.15	.65	.83	.99
	1395	660	39.0	11.4	2.26	.63	.79	.94	36.8	10.8	2.53	.64	.81	.97	34.4	10.1	2.83	.66	.84	.99	31.8	9.3	3.16	.68	.88	1.00
71°F (22°C)	1010	475	38.5	11.3	2.26	.44	.57	.69	36.6	10.7	2.53	.45	.58	.71	34.4	10.1	2.83	.45	.59	.73	32.0	9.4	3.17	.46	.61	.76
	1190	560	40.0	11.7	2.28	.45	.59	.73	37.8	11.1	2.54	.46	.61	.75	35.6	10.4	2.84	.47	.62	.77	33.0	9.7	3.18	.47	.64	.80
	1395	660	41.5	12.2	2.29	.47	.62	.76	39.0	11.4	2.56	.47	.63	.79	36.6	10.7	2.85	.48	.65	.82	34.0	10.0	3.19	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
725	345	28.3	8.3	1.81	26.3	7.7	1.75	24.3	7.1	1.70	22.3	6.5	1.64
815	385	28.7	8.4	1.73	26.7	7.8	1.67	24.7	7.2	1.62	22.7	6.7	1.56
935	440	29.3	8.6	1.66	27.3	8.0	1.60	25.3	7.4	1.54	23.3	6.8	1.49

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-48B-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	38.5	11.3	2.60	29.4	8.6	2.37	19.7	5.8	2.14	14.3	4.2	1.90	6.9	2.0	1.42
1190	560	39.4	11.5	2.51	30.2	8.9	2.28	20.5	6.0	2.04	15.1	4.4	1.80	7.8	2.3	1.32
1395	660	40.2	11.8	2.43	31.1	9.1	2.20	21.4	6.3	1.97	16.0	4.7	1.73	8.6	2.5	1.24

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-48B-F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.51	39.4	11.5
60	16	2.45	37.3	10.9
55	13	2.40	35.3	10.3
50	10	2.35	33.2	9.7
47	8	2.32	32.0	9.4
45	7	2.28	30.2	8.9
40	4	2.19	25.8	7.6
35	2	2.10	21.4	6.3
30	-1	2.07	21.0	6.2
25	-4	2.04	20.5	6.0
20	-7	2.02	20.0	5.9
17	-8	2.00	19.8	5.8
15	-9	1.98	19.0	5.6
10	-12	1.92	16.9	5.0
5	-15	1.80	15.1	4.4
0	-18	1.68	13.3	3.9
-5	-21	1.56	11.4	3.3
-10	-23	1.44	9.6	2.8
-15	-26	1.32	7.8	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	26.2	7.7	1.20	.75	.90	1.00	25.0	7.3	1.40	.77	.92	1.00	23.4	6.9	1.62	.79	.95	1.00	21.8	6.4	1.88	.82	.99	1.00
	825	390	27.0	7.9	1.21	.78	.93	1.00	25.6	7.5	1.40	.80	.96	1.00	24.0	7.0	1.62	.82	.99	1.00	22.6	6.6	1.88	.85	1.00	1.00
	950	450	28.0	8.2	1.21	.81	.98	1.00	26.4	7.7	1.41	.83	1.00	1.00	25.0	7.3	1.63	.86	1.00	1.00	23.6	6.9	1.89	.90	1.00	1.00
67°F (19°C)	740	350	28.2	8.3	1.22	.59	.73	.86	26.8	7.9	1.41	.60	.74	.88	25.2	7.4	1.63	.61	.76	.91	23.4	6.9	1.89	.63	.79	.95
	825	390	28.8	8.4	1.22	.61	.75	.89	27.4	8.0	1.42	.62	.77	.92	25.8	7.6	1.64	.63	.79	.95	24.0	7.0	1.89	.65	.82	.98
	950	450	29.8	8.7	1.23	.63	.78	.94	28.2	8.3	1.42	.64	.81	.97	26.6	7.8	1.64	.66	.83	.99	24.6	7.2	1.90	.68	.87	1.00
71°F (22°C)	740	350	29.8	8.7	1.23	.44	.58	.70	28.4	8.3	1.42	.45	.58	.72	26.8	7.9	1.64	.45	.60	.73	25.0	7.3	1.90	.46	.61	.76
	825	390	30.6	9.0	1.23	.45	.59	.72	29.2	8.6	1.43	.45	.60	.74	27.4	8.0	1.65	.46	.61	.76	25.6	7.5	1.91	.47	.63	.79
	950	450	31.6	9.3	1.24	.46	.61	.76	30.2	8.9	1.44	.46	.62	.78	28.4	8.3	1.66	.47	.64	.81	26.4	7.7	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G60DFV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1040	490	35.4	10.4	2.23	.76	.90	1.00	33.4	9.8	2.49	.78	.93	1.00	31.2	9.1	2.79	.80	.96	1.00	29.0	8.5	3.12	.83	.99	1.00
	1195	565	36.6	10.7	2.24	.79	.95	1.00	34.4	10.1	2.50	.81	.98	1.00	32.2	9.4	2.80	.84	1.00	1.00	30.2	8.9	3.14	.88	1.00	1.00
	1400	660	37.8	11.1	2.25	.83	.99	1.00	35.8	10.5	2.52	.86	1.00	1.00	33.6	9.8	2.82	.89	1.00	1.00	31.6	9.3	3.16	.93	1.00	1.00
67°F (19°C)	1040	490	37.6	11.0	2.25	.59	.73	.87	35.6	10.4	2.52	.61	.75	.89	33.4	9.8	2.81	.62	.78	.93	30.8	9.0	3.15	.64	.81	.96
	1195	565	39.0	11.4	2.26	.61	.77	.91	36.6	10.7	2.53	.63	.79	.94	34.2	10.0	2.82	.64	.82	.97	31.6	9.3	3.16	.66	.85	1.00
	1400	660	40.0	11.7	2.28	.64	.81	.97	37.6	11.0	2.54	.66	.84	.99	35.2	10.3	2.84	.68	.87	1.00	32.6	9.6	3.17	.70	.91	1.00
71°F (22°C)	1040	490	40.0	11.7	2.27	.45	.58	.71	37.6	11.0	2.54	.45	.59	.73	35.4	10.4	2.84	.45	.61	.75	32.8	9.6	3.18	.47	.62	.78
	1195	565	41.0	12.0	2.29	.46	.60	.74	39.0	11.4	2.55	.46	.61	.76	36.4	10.7	2.85	.47	.63	.79	33.6	9.8	3.19	.48	.65	.82
	1400	660	42.0	12.3	2.30	.47	.63	.79	40.0	11.7	2.57	.47	.65	.81	37.4	11.0	2.87	.48	.66	.84	34.6	10.1	3.20	.49	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	28.7	8.4	1.71	26.7	7.8	1.66	24.6	7.2	1.61	22.5	6.6	1.55
825	390	29.2	8.6	1.64	27.1	7.9	1.59	25.1	7.4	1.54	23.0	6.7	1.49
950	445	29.8	8.7	1.57	27.7	8.1	1.52	25.7	7.5	1.46	23.6	6.9	1.41

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G60DFV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1040	490	39.3	11.5	2.47	30.0	8.8	2.27	20.0	5.9	2.05	14.4	4.2	1.83	7.2	2.1	1.36
1195	565	39.9	11.7	2.39	30.6	9.0	2.19	20.6	6.0	1.97	15.1	4.4	1.76	7.8	2.3	1.28
1400	660	40.7	11.9	2.32	31.4	9.2	2.11	21.4	6.3	1.90	15.9	4.7	1.68	8.6	2.5	1.21

HEATING PERFORMANCE at 1195 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-50/60C-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	39.9	11.7
60	16	2.34	37.8	11.1
55	13	2.30	35.7	10.5
50	10	2.25	33.6	9.8
47	8	2.22	32.4	9.5
45	7	2.19	30.6	9.0
40	4	2.10	26.1	7.6
35	2	2.02	21.6	6.3
30	-1	2.00	21.1	6.2
25	-4	1.97	20.6	6.0
20	-7	1.95	20.1	5.9
17	-8	1.94	19.8	5.8
15	-9	1.92	19.0	5.6
10	-12	1.87	16.9	5.0
5	-15	1.76	15.1	4.4
0	-18	1.64	13.2	3.9
-5	-21	1.52	11.4	3.3
-10	-23	1.40	9.6	2.8
-15	-26	1.28	7.8	2.3
-20	-29	1.16	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	685	325	25.8	7.6	1.20	.74	.87	1.00	24.4	7.2	1.39	.75	.89	1.00	23.0	6.7	1.62	.77	.92	1.00	21.4	6.3	1.87	.80	.96	1.00
	795	375	26.8	7.9	1.20	.77	.92	1.00	25.4	7.4	1.40	.79	.94	1.00	23.8	7.0	1.62	.81	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00
	965	455	28.0	8.2	1.21	.82	.98	1.00	26.6	7.8	1.41	.84	1.00	1.00	25.2	7.4	1.63	.87	1.00	1.00	23.8	7.0	1.89	.90	1.00	1.00
67°F (19°C)	685	325	27.6	8.1	1.21	.58	.71	.83	26.2	7.7	1.41	.59	.72	.85	24.6	7.2	1.63	.60	.74	.88	23.0	6.7	1.89	.61	.77	.92
	795	375	28.6	8.4	1.22	.60	.74	.88	27.2	8.0	1.41	.61	.76	.90	25.6	7.5	1.64	.62	.78	.94	23.8	7.0	1.89	.64	.81	.97
	965	455	30.0	8.8	1.23	.63	.79	.94	28.4	8.3	1.42	.64	.81	.97	26.6	7.8	1.64	.66	.84	1.00	24.8	7.3	1.90	.68	.87	1.00
71°F (22°C)	685	325	29.2	8.6	1.22	.44	.56	.68	27.8	8.1	1.42	.44	.57	.70	26.2	7.7	1.64	.45	.58	.71	24.6	7.2	1.90	.45	.60	.74
	795	375	30.4	8.9	1.23	.45	.59	.71	29.0	8.5	1.43	.45	.59	.73	27.2	8.0	1.65	.46	.61	.75	25.4	7.4	1.91	.47	.62	.78
	965	455	31.8	9.3	1.24	.46	.62	.76	30.2	8.9	1.44	.47	.63	.78	28.4	8.3	1.66	.47	.65	.81	26.6	7.8	1.91	.48	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.8	10.2	2.22	.74	.88	1.00	33.0	9.7	2.48	.76	.91	1.00	30.8	9.0	2.78	.78	.94	1.00	28.6	8.4	3.12	.81	.98	1.00
	1185	560	36.4	10.7	2.24	.79	.94	1.00	34.4	10.1	2.50	.81	.97	1.00	32.2	9.4	2.80	.84	1.00	1.00	30.0	8.8	3.14	.87	1.00	1.00
	1420	670	37.8	11.1	2.25	.84	1.00	1.00	35.8	10.5	2.52	.86	1.00	1.00	33.8	9.9	2.82	.90	1.00	1.00	31.6	9.3	3.16	.94	1.00	1.00
67°F (19°C)	970	460	37.0	10.8	2.24	.59	.72	.85	35.0	10.3	2.51	.60	.74	.87	32.8	9.6	2.81	.61	.76	.90	30.4	8.9	3.14	.62	.79	.94
	1185	560	39.0	11.4	2.26	.61	.76	.91	36.6	10.7	2.53	.63	.79	.94	34.2	10.0	2.83	.64	.81	.97	31.6	9.3	3.16	.66	.85	1.00
	1420	670	40.0	11.7	2.28	.64	.81	.97	37.8	11.1	2.54	.66	.84	.99	35.2	10.3	2.84	.68	.87	1.00	32.6	9.6	3.17	.70	.91	1.00
71°F (22°C)	970	460	39.0	11.4	2.27	.44	.57	.69	37.0	10.8	2.53	.45	.58	.71	34.8	10.2	2.83	.45	.59	.73	32.4	9.5	3.17	.46	.61	.76
	1185	560	41.0	12.0	2.29	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.2	10.6	2.85	.46	.63	.79	33.6	9.8	3.19	.48	.65	.82
	1420	670	42.5	12.5	2.30	.47	.63	.76	40.0	11.7	2.57	.47	.65	.82	37.4	11.0	2.87	.48	.67	.85	34.6	10.1	3.21	.49	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
685	320	28.5	8.4	1.77	26.5	7.8	1.72	24.4	7.2	1.67	22.4	6.6	1.61
795	375	29.2	8.6	1.67	27.1	7.9	1.61	25.1	7.4	1.56	23.0	6.7	1.51
965	455	30.0	8.8	1.56	28.0	8.2	1.51	25.9	7.6	1.45	23.9	7.0	1.40

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
970	460	39.1	11.5	2.51	29.8	8.7	2.31	19.8	5.8	2.09	14.3	4.2	1.87	6.8	2.0	1.40
1185	560	40.2	11.8	2.40	30.8	9.0	2.19	20.8	6.1	1.98	15.3	4.5	1.75	7.9	2.3	1.28
1420	670	41.4	12.1	2.31	32.0	9.4	2.11	22.0	6.4	1.89	16.5	4.8	1.67	9.1	2.7	1.20

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-50/60C-F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.40	40.2	11.8
60	16	2.35	38.1	11.2
55	13	2.30	36.0	10.6
50	10	2.25	33.9	9.9
47	8	2.23	32.6	9.6
45	7	2.19	30.8	9.0
40	4	2.11	26.3	7.7
35	2	2.02	21.8	6.4
30	-1	2.00	21.3	6.2
25	-4	1.98	20.8	6.1
20	-7	1.95	20.4	6.0
17	-8	1.94	20.1	5.9
15	-9	1.92	19.2	5.6
10	-12	1.87	17.1	5.0
5	-15	1.75	15.3	4.5
0	-18	1.64	13.4	3.9
-5	-21	1.52	11.6	3.4
-10	-23	1.40	9.7	2.8
-15	-26	1.28	7.9	2.3
-20	-29	1.16	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	26.2	7.7	1.20	.75	.89	1.00	24.8	7.3	1.40	.77	.91	1.00	23.4	6.9	1.62	.79	.94	1.00	21.8	6.4	1.88	.81	.98	1.00
	815	385	27.0	7.9	1.21	.77	.93	1.00	25.6	7.5	1.40	.79	.95	1.00	24.0	7.0	1.62	.82	.98	1.00	22.4	6.6	1.88	.85	1.00	1.00
	935	440	27.8	8.1	1.21	.81	.97	1.00	26.4	7.7	1.41	.83	.99	1.00	25.0	7.3	1.63	.86	1.00	1.00	23.6	6.9	1.89	.89	1.00	1.00
67°F (19°C)	725	340	28.0	8.2	1.21	.59	.72	.85	26.6	7.8	1.41	.60	.74	.87	25.0	7.3	1.63	.61	.76	.90	23.4	6.9	1.89	.62	.78	.94
	815	385	28.8	8.4	1.22	.60	.75	.89	27.4	8.0	1.41	.61	.77	.91	25.8	7.6	1.64	.63	.79	.94	24.0	7.0	1.89	.64	.82	.98
	935	440	29.6	8.7	1.23	.62	.78	.93	28.2	8.3	1.42	.64	.80	.96	26.4	7.7	1.64	.65	.83	.99	24.6	7.2	1.90	.67	.86	1.00
71°F (22°C)	725	340	29.8	8.7	1.23	.44	.57	.69	28.4	8.3	1.42	.45	.58	.71	26.8	7.9	1.64	.45	.59	.73	25.0	7.3	1.90	.46	.61	.75
	815	385	30.6	9.0	1.23	.45	.59	.72	29.2	8.6	1.43	.45	.60	.74	27.4	8.0	1.65	.46	.61	.76	25.6	7.5	1.91	.47	.63	.79
	935	440	31.6	9.3	1.24	.46	.61	.75	30.0	8.8	1.44	.46	.62	.78	28.2	8.3	1.66	.47	.64	.80	26.4	7.7	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	35.2	10.3	2.22	.75	.89	1.00	33.2	9.7	2.49	.77	.92	1.00	31.0	9.1	2.78	.79	.95	1.00	28.8	8.4	3.12	.82	.99	1.00
	1190	560	36.4	10.7	2.24	.79	.95	1.00	34.4	10.1	2.50	.81	.97	1.00	32.2	9.4	2.80	.84	1.00	1.00	30.2	8.9	3.14	.87	1.00	1.00
	1395	660	37.6	11.0	2.25	.83	.99	1.00	35.6	10.4	2.52	.86	1.00	1.00	33.6	9.8	2.82	.89	1.00	1.00	31.4	9.2	3.16	.93	1.00	1.00
67°F (19°C)	1010	475	37.4	11.0	2.25	.59	.73	.86	35.4	10.4	2.51	.60	.74	.88	33.2	9.7	2.81	.61	.77	.91	30.8	9.0	3.15	.63	.80	.95
	1190	560	39.0	11.4	2.26	.61	.77	.91	36.6	10.7	2.53	.63	.79	.94	34.2	10.0	2.83	.64	.81	.97	31.6	9.3	3.16	.66	.85	1.00
	1395	660	40.0	11.7	2.28	.64	.81	.97	37.6	11.0	2.54	.66	.83	.99	35.2	10.3	2.84	.67	.87	1.00	32.6	9.6	3.17	.70	.91	1.00
71°F (22°C)	1010	475	39.5	11.6	2.27	.45	.58	.70	37.4	11.0	2.54	.45	.59	.72	35.2	10.3	2.84	.45	.60	.74	32.6	9.6	3.18	.46	.62	.77
	1190	560	41.0	12.0	2.29	.46	.60	.74	38.5	11.3	2.55	.46	.61	.76	36.4	10.7	2.85	.46	.63	.79	33.6	9.8	3.19	.48	.65	.82
	1395	660	42.0	12.3	2.30	.47	.63	.78	40.0	11.7	2.57	.47	.64	.81	37.4	11.0	2.87	.48	.66	.84	34.6	10.1	3.20	.49	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
725	345	28.7	8.4	1.72	26.6	7.8	1.67	24.6	7.2	1.62	22.5	6.6	1.57
815	385	29.2	8.6	1.65	27.1	7.9	1.60	25.1	7.4	1.55	23.0	6.7	1.49
935	440	29.8	8.7	1.57	27.7	8.1	1.52	25.7	7.5	1.47	23.6	6.9	1.42

SECOND STAGE HEATING CAPACITY - XP19-036 with [CR33-50/60C-F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1010	475	39.3	11.5	2.49	29.9	8.8	2.29	19.9	5.8	2.07	14.4	4.2	1.85	7.0	2.1	1.38
1190	560	40.1	11.8	2.39	30.7	9.0	2.19	20.7	6.1	1.98	15.2	4.5	1.76	7.8	2.3	1.28
1395	660	40.9	12.0	2.32	31.6	9.3	2.12	21.6	6.3	1.90	16.1	4.7	1.68	8.7	2.5	1.21

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CR33-50/60C-F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	40.1	11.8
60	16	2.35	38.0	11.1
55	13	2.30	35.9	10.5
50	10	2.25	33.8	9.9
47	8	2.22	32.5	9.5
45	7	2.19	30.7	9.0
40	4	2.11	26.2	7.7
35	2	2.02	21.7	6.4
30	-1	2.00	21.2	6.2
25	-4	1.98	20.7	6.1
20	-7	1.95	20.3	5.9
17	-8	1.94	20.0	5.9
15	-9	1.92	19.1	5.6
10	-12	1.87	17.1	5.0
5	-15	1.76	15.2	4.5
0	-18	1.64	13.4	3.9
-5	-21	1.52	11.5	3.4
-10	-23	1.40	9.7	2.8
-15	-26	1.28	7.8	2.3
-20	-29	1.17	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH23-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.0	7.6	1.20	.77	.91	1.00	24.6	7.2	1.40	.78	.94	1.00	23.2	6.8	1.62	.81	.97	1.00	21.8	6.4	1.88	.84	1.00	1.00
	900	425	26.8	7.9	1.20	.79	.95	1.00	25.4	7.4	1.40	.81	.97	1.00	24.0	7.0	1.62	.84	1.00	1.00	22.6	6.6	1.88	.87	1.00	1.00
	1000	470	27.4	8.0	1.21	.82	.98	1.00	26.0	7.6	1.41	.84	1.00	1.00	24.8	7.3	1.63	.87	1.00	1.00	23.4	6.9	1.89	.91	1.00	1.00
67°F (19°C)	800	380	27.8	8.1	1.21	.60	.74	.87	26.4	7.7	1.41	.61	.76	.90	25.0	7.3	1.63	.62	.78	.93	23.4	6.9	1.89	.64	.81	.96
	900	425	28.6	8.4	1.22	.62	.76	.91	27.2	8.0	1.41	.63	.78	.94	25.6	7.5	1.64	.64	.81	.97	24.0	7.0	1.89	.66	.84	1.00
	1000	470	29.4	8.6	1.22	.63	.79	.94	27.8	8.1	1.42	.64	.81	.97	26.2	7.7	1.64	.66	.84	1.00	24.4	7.2	1.90	.68	.88	1.00
71°F (22°C)	800	380	29.6	8.7	1.23	.45	.58	.71	28.2	8.3	1.42	.45	.59	.73	26.6	7.8	1.64	.46	.61	.75	25.0	7.3	1.90	.47	.62	.78
	900	425	30.6	9.0	1.23	.45	.60	.74	29.0	8.5	1.43	.46	.61	.76	27.4	8.0	1.65	.47	.63	.78	25.6	7.5	1.91	.48	.65	.81
	1000	470	31.2	9.1	1.24	.46	.62	.76	29.6	8.7	1.43	.47	.63	.78	27.8	8.1	1.65	.48	.65	.81	26.2	7.7	1.91	.49	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH23-51]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.2	10.0	2.21	.75	.88	1.00	32.2	9.4	2.48	.76	.91	1.00	30.4	8.9	2.78	.79	.94	1.00	28.2	8.3	3.11	.81	.98	1.00
	1200	565	35.4	10.4	2.23	.78	.94	1.00	33.4	9.8	2.49	.81	.96	1.00	31.4	9.2	2.79	.83	.99	1.00	29.4	8.6	3.13	.87	1.00	1.00
	1400	660	36.6	10.7	2.24	.82	.98	1.00	34.6	10.1	2.50	.85	1.00	1.00	32.8	9.6	2.81	.88	1.00	1.00	30.8	9.0	3.15	.92	1.00	1.00
67°F (19°C)	1000	470	36.2	10.6	2.23	.59	.72	.85	34.4	10.1	2.50	.60	.74	.87	32.2	9.4	2.80	.61	.76	.90	30.0	8.8	3.14	.63	.79	.94
	1200	565	37.8	11.1	2.25	.61	.76	.90	35.6	10.4	2.52	.63	.78	.93	33.4	9.8	2.81	.64	.81	.96	31.0	9.1	3.15	.66	.84	1.00
	1400	660	39.0	11.4	2.26	.64	.80	.95	36.6	10.7	2.53	.65	.82	.98	34.4	10.1	2.82	.67	.85	1.00	31.8	9.3	3.16	.69	.89	1.00
71°F (22°C)	1000	470	38.5	11.3	2.26	.45	.57	.70	36.4	10.7	2.52	.45	.59	.71	34.2	10.0	2.83	.45	.60	.73	31.8	9.3	3.16	.46	.62	.76
	1200	565	40.0	11.7	2.27	.46	.60	.73	37.8	11.1	2.54	.46	.61	.76	35.4	10.4	2.84	.47	.63	.78	33.0	9.7	3.18	.48	.65	.81
	1400	660	41.0	12.0	2.29	.47	.62	.77	39.0	11.4	2.55	.48	.64	.80	36.4	10.7	2.85	.48	.66	.83	33.8	9.9	3.19	.49	.68	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH23-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.4	8.6	1.73	27.3	8.0	1.68	25.2	7.4	1.62	23.1	6.8	1.57
900	425	30.0	8.8	1.66	27.9	8.2	1.61	25.8	7.6	1.56	23.7	6.9	1.50
1000	470	30.3	8.9	1.61	28.2	8.3	1.56	26.2	7.7	1.50	24.1	7.1	1.45

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH23-51]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	39.1	11.5	2.60	30.0	8.8	2.37	20.2	5.9	2.14	14.7	4.3	1.91	7.2	2.1	1.43
1200	565	39.9	11.7	2.49	30.8	9.0	2.27	20.9	6.1	2.03	15.5	4.5	1.80	7.9	2.3	1.32
1400	660	40.6	11.9	2.41	31.4	9.2	2.19	21.6	6.3	1.96	16.1	4.7	1.73	8.6	2.5	1.24

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with [CH23-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	39.9	11.7
60	16	2.44	37.9	11.1
55	13	2.39	35.8	10.5
50	10	2.33	33.8	9.9
47	8	2.30	32.5	9.5
45	7	2.27	30.8	9.0
40	4	2.18	26.3	7.7
35	2	2.09	21.9	6.4
30	-1	2.06	21.4	6.3
25	-4	2.03	20.9	6.1
20	-7	2.01	20.5	6.0
17	-8	1.99	20.2	5.9
15	-9	1.97	19.4	5.7
10	-12	1.92	17.3	5.1
5	-15	1.80	15.5	4.5
0	-18	1.68	13.6	4.0
-5	-21	1.56	11.7	3.4
-10	-23	1.44	9.8	2.9
-15	-26	1.32	7.9	2.3
-20	-29	1.20	6.1	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH23-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.2	7.7	1.20	.77	.91	1.00	25.0	7.3	1.40	.79	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	900	425	27.0	7.9	1.21	.79	.95	1.00	25.6	7.5	1.40	.81	.98	1.00	24.2	7.1	1.62	.84	1.00	1.00	22.8	6.7	1.88	.88	1.00	1.00
	1000	470	27.8	8.1	1.21	.82	.98	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.91	1.00	1.00
67°F (19°C)	800	380	28.0	8.2	1.22	.60	.74	.87	26.6	7.8	1.41	.61	.76	.90	25.2	7.4	1.63	.63	.78	.93	23.6	6.9	1.89	.64	.81	.97
	900	425	29.0	8.5	1.22	.62	.77	.91	27.4	8.0	1.42	.63	.79	.94	25.8	7.6	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
	1000	470	29.6	8.7	1.23	.63	.79	.95	28.0	8.2	1.42	.65	.82	.97	26.4	7.7	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.88	1.00
71°F (22°C)	800	380	29.8	8.7	1.23	.45	.58	.71	28.4	8.3	1.42	.45	.60	.73	26.8	7.9	1.64	.46	.61	.75	25.2	7.4	1.90	.47	.63	.78
	900	425	30.8	9.0	1.24	.45	.60	.74	29.2	8.6	1.43	.46	.61	.76	27.6	8.1	1.65	.47	.63	.78	25.8	7.6	1.91	.48	.65	.81
	1000	470	31.4	9.2	1.24	.46	.62	.77	30.0	8.8	1.43	.47	.63	.79	28.2	8.3	1.65	.48	.65	.82	26.4	7.7	1.91	.49	.67	.85

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH23-65]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.4	10.1	2.22	.75	.89	1.00	32.6	9.6	2.48	.77	.91	1.00	30.6	9.0	2.78	.79	.94	1.00	28.4	8.3	3.12	.82	.98	1.00
	1200	565	35.8	10.5	2.23	.79	.94	1.00	33.8	9.9	2.50	.81	.97	1.00	31.8	9.3	2.79	.84	1.00	1.00	29.8	8.7	3.14	.87	1.00	1.00
	1400	660	37.0	10.8	2.24	.83	.99	1.00	35.0	10.3	2.51	.85	1.00	1.00	33.2	9.7	2.81	.88	1.00	1.00	31.0	9.1	3.15	.92	1.00	1.00
67°F (19°C)	1000	470	36.6	10.7	2.24	.59	.72	.85	34.6	10.1	2.50	.60	.74	.87	32.6	9.6	2.80	.62	.76	.91	30.2	8.9	3.14	.63	.79	.94
	1200	565	38.0	11.1	2.25	.61	.76	.91	36.0	10.6	2.52	.62	.78	.94	33.8	9.9	2.82	.64	.81	.97	31.4	9.2	3.16	.66	.85	1.00
	1400	660	39.0	11.4	2.27	.64	.80	.96	37.0	10.8	2.53	.65	.83	.99	34.6	10.1	2.83	.67	.86	1.00	32.0	9.4	3.17	.70	.90	1.00
71°F (22°C)	1000	470	38.5	11.3	2.26	.45	.57	.70	36.6	10.7	2.53	.45	.59	.72	34.4	10.1	2.83	.45	.60	.74	32.0	9.4	3.17	.46	.62	.76
	1200	565	40.5	11.9	2.28	.46	.60	.74	38.0	11.1	2.55	.46	.61	.76	35.8	10.5	2.84	.47	.63	.79	33.2	9.7	3.18	.47	.65	.82
	1400	660	41.5	12.2	2.29	.47	.63	.78	39.0	11.4	2.56	.48	.64	.80	36.8	10.8	2.86	.48	.66	.83	34.0	10.0	3.20	.49	.69	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH23-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.6	8.7	1.69	27.5	8.1	1.64	25.4	7.4	1.59	23.3	6.8	1.54
900	425	30.1	8.8	1.62	28.0	8.2	1.57	25.9	7.6	1.52	23.9	7.0	1.47
1000	470	30.6	9.0	1.57	28.5	8.4	1.52	26.5	7.8	1.47	24.4	7.2	1.42

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH23-65]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1000	470	39.5	11.6	2.53	30.2	8.9	2.32	20.2	5.9	2.09	14.7	4.3	1.87	7.1	2.1	1.39
1200	565	40.3	11.8	2.43	31.0	9.1	2.22	21.0	6.2	1.99	15.5	4.5	1.77	8.0	2.3	1.29
1400	660	41.0	12.0	2.36	31.6	9.3	2.14	21.7	6.4	1.92	16.2	4.7	1.69	8.6	2.5	1.22

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with [CH23-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	40.3	11.8
60	16	2.38	38.2	11.2
55	13	2.33	36.2	10.6
50	10	2.28	34.1	10.0
47	8	2.25	32.8	9.6
45	7	2.22	31.0	9.1
40	4	2.13	26.5	7.8
35	2	2.04	21.9	6.4
30	-1	2.01	21.5	6.3
25	-4	1.99	21.0	6.2
20	-7	1.97	20.6	6.0
17	-8	1.95	20.3	5.9
15	-9	1.93	19.5	5.7
10	-12	1.88	17.4	5.1
5	-15	1.77	15.5	4.5
0	-18	1.65	13.6	4.0
-5	-21	1.53	11.8	3.5
-10	-23	1.41	9.9	2.9
-15	-26	1.29	8.0	2.3
-20	-29	1.17	6.1	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.20	.76	.91	1.00	25.0	7.3	1.40	.78	.93	1.00	23.6	6.9	1.62	.80	.97	1.00	22.0	6.4	1.88	.83	1.00	1.00
	900	425	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.97	1.00	24.2	7.1	1.63	.83	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	1000	470	27.8	8.1	1.21	.81	.98	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.90	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.22	.60	.73	.87	27.0	7.9	1.41	.61	.75	.89	25.4	7.4	1.63	.62	.77	.93	23.6	6.9	1.89	.64	.80	.96
	900	425	29.2	8.6	1.22	.61	.76	.90	27.6	8.1	1.42	.62	.78	.93	26.0	7.6	1.64	.64	.80	.97	24.2	7.1	1.90	.66	.84	1.00
	1000	470	30.0	8.8	1.23	.63	.79	.94	28.2	8.3	1.42	.64	.81	.97	26.6	7.8	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.87	1.00
71°F (22°C)	800	380	30.2	8.9	1.23	.45	.58	.71	28.8	8.4	1.42	.45	.59	.72	27.0	7.9	1.65	.46	.60	.74	25.4	7.4	1.90	.46	.62	.77
	900	425	31.2	9.1	1.24	.45	.60	.73	29.4	8.6	1.43	.46	.61	.75	27.8	8.1	1.65	.46	.62	.78	26.0	7.6	1.91	.47	.64	.80
	1000	470	31.8	9.3	1.24	.46	.61	.76	30.2	8.9	1.44	.47	.63	.78	28.4	8.3	1.66	.47	.64	.81	26.4	7.7	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.22	.74	.88	1.00	32.6	9.6	2.48	.76	.90	1.00	30.6	9.0	2.78	.78	.94	1.00	28.4	8.3	3.11	.81	.97	1.00
	1200	565	36.0	10.6	2.23	.78	.93	1.00	34.0	10.0	2.50	.80	.96	1.00	31.6	9.3	2.79	.83	.99	1.00	29.6	8.7	3.13	.86	1.00	1.00
	1400	660	37.0	10.8	2.24	.82	.98	1.00	35.0	10.3	2.51	.84	1.00	1.00	33.0	9.7	2.81	.87	1.00	1.00	31.0	9.1	3.15	.91	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.24	.58	.71	.84	34.8	10.2	2.51	.59	.73	.87	32.6	9.6	2.81	.61	.75	.90	30.4	8.9	3.14	.62	.78	.94
	1200	565	38.5	11.3	2.26	.61	.75	.89	36.2	10.6	2.52	.62	.77	.93	33.8	9.9	2.82	.63	.80	.96	31.4	9.2	3.16	.65	.83	1.00
	1400	660	39.5	11.6	2.27	.63	.79	.95	37.2	10.9	2.54	.64	.82	.98	34.8	10.2	2.83	.66	.85	1.00	32.2	9.4	3.17	.69	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.44	.57	.69	37.0	10.8	2.53	.45	.58	.71	34.8	10.2	2.83	.45	.59	.73	32.2	9.4	3.17	.46	.61	.75
	1200	565	40.5	11.9	2.28	.45	.59	.73	38.5	11.3	2.55	.46	.61	.75	36.0	10.6	2.85	.46	.62	.77	33.4	9.8	3.19	.47	.64	.81
	1400	660	42.0	12.3	2.30	.46	.62	.77	39.5	11.6	2.56	.47	.63	.79	37.0	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.67	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.3	8.6	1.74	27.2	8.0	1.69	25.2	7.4	1.63	23.1	6.8	1.58
900	425	29.9	8.8	1.67	27.8	8.1	1.62	25.8	7.6	1.56	23.7	6.9	1.51
1000	470	30.3	8.9	1.60	28.2	8.3	1.55	26.2	7.7	1.50	24.1	7.1	1.45

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1000	470	39.1	11.5	2.60	29.9	8.8	2.38	20.0	5.9	2.16	14.5	4.2	1.93	7.0	2.1	1.44
1200	565	40.0	11.7	2.49	30.8	9.0	2.27	20.9	6.1	2.05	15.4	4.5	1.82	7.9	2.3	1.33
1400	660	40.7	11.9	2.40	31.4	9.2	2.19	21.5	6.3	1.96	16.1	4.7	1.73	8.6	2.5	1.24

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-44/48B-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	40.0	11.7
60	16	2.44	37.9	11.1
55	13	2.39	35.9	10.5
50	10	2.34	33.8	9.9
47	8	2.31	32.5	9.5
45	7	2.27	30.8	9.0
40	4	2.18	26.3	7.7
35	2	2.10	21.8	6.4
30	-1	2.07	21.3	6.2
25	-4	2.05	20.9	6.1
20	-7	2.02	20.4	6.0
17	-8	2.01	20.1	5.9
15	-9	1.99	19.3	5.7
10	-12	1.94	17.3	5.1
5	-15	1.82	15.4	4.5
0	-18	1.70	13.5	4.0
-5	-21	1.57	11.6	3.4
-10	-23	1.45	9.8	2.9
-15	-26	1.33	7.9	2.3
-20	-29	1.21	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	26.4	7.7	1.20	.76	.91	1.00	25.0	7.3	1.40	.78	.94	1.00	23.6	6.9	1.62	.80	.96	1.00	22.0	6.4	1.88	.83	1.00	1.00
	900	425	27.2	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.97	1.00	24.2	7.1	1.62	.83	1.00	1.00	22.8	6.7	1.88	.87	1.00	1.00
	1000	470	28.0	8.2	1.21	.82	.98	1.00	26.4	7.7	1.41	.84	1.00	1.00	25.0	7.3	1.63	.87	1.00	1.00	23.6	6.9	1.89	.90	1.00	1.00
67°F (19°C)	800	380	28.4	8.3	1.22	.60	.74	.87	27.0	7.9	1.41	.61	.75	.89	25.4	7.4	1.63	.62	.77	.92	23.6	6.9	1.89	.64	.80	.96
	900	425	29.2	8.6	1.22	.62	.76	.91	27.6	8.1	1.42	.63	.78	.93	26.0	7.6	1.64	.64	.81	.96	24.2	7.1	1.90	.66	.84	1.00
	1000	470	30.0	8.8	1.23	.63	.79	.94	28.2	8.3	1.42	.64	.81	.97	26.6	7.8	1.64	.66	.84	1.00	24.6	7.2	1.90	.68	.87	1.00
71°F (22°C)	800	380	30.2	8.9	1.23	.45	.58	.71	28.8	8.4	1.43	.46	.59	.73	27.0	7.9	1.65	.46	.61	.75	25.2	7.4	1.90	.47	.62	.77
	900	425	31.2	9.1	1.24	.46	.60	.73	29.6	8.7	1.43	.46	.61	.75	27.8	8.1	1.65	.47	.63	.78	26.0	7.6	1.91	.48	.64	.81
	1000	470	31.8	9.3	1.24	.47	.62	.76	30.2	8.9	1.44	.47	.63	.78	28.4	8.3	1.66	.48	.65	.81	26.6	7.8	1.91	.48	.66	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-48C-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.8	10.2	2.22	.74	.88	1.00	32.8	9.6	2.48	.76	.90	1.00	30.8	9.0	2.78	.78	.93	1.00	28.4	8.3	3.11	.81	.97	1.00
	1200	565	36.2	10.6	2.23	.78	.93	1.00	34.0	10.0	2.50	.80	.96	1.00	32.0	9.4	2.80	.82	.99	1.00	29.8	8.7	3.13	.86	1.00	1.00
	1400	660	37.2	10.9	2.25	.82	.98	1.00	35.2	10.3	2.51	.84	1.00	1.00	33.2	9.7	2.81	.87	1.00	1.00	31.0	9.1	3.15	.91	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.24	.59	.72	.84	35.0	10.3	2.51	.60	.73	.86	32.8	9.6	2.81	.61	.75	.89	30.4	8.9	3.14	.62	.78	.93
	1200	565	38.5	11.3	2.26	.61	.75	.89	36.2	10.6	2.52	.62	.77	.92	34.0	10.0	2.82	.64	.80	.96	31.4	9.2	3.16	.65	.83	.99
	1400	660	39.5	11.6	2.27	.63	.79	.95	37.4	11.0	2.54	.65	.82	.98	34.8	10.2	2.83	.66	.85	1.00	32.4	9.5	3.17	.69	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.27	.45	.57	.69	37.0	10.8	2.53	.45	.58	.71	34.8	10.2	2.83	.46	.59	.73	32.4	9.5	3.17	.46	.61	.75
	1200	565	41.0	12.0	2.28	.46	.60	.73	38.5	11.3	2.55	.46	.61	.75	36.2	10.6	2.85	.47	.62	.77	33.6	9.8	3.19	.47	.64	.80
	1400	660	42.0	12.3	2.30	.47	.62	.77	39.5	11.6	2.56	.47	.63	.79	37.2	10.9	2.86	.48	.65	.82	34.4	10.1	3.20	.49	.67	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	29.1	8.5	1.77	27.1	7.9	1.72	25.0	7.3	1.66	23.0	6.7	1.61
900	425	29.7	8.7	1.70	27.6	8.1	1.65	25.6	7.5	1.60	23.6	6.9	1.54
1000	470	30.1	8.8	1.64	28.0	8.2	1.58	26.0	7.6	1.53	24.0	7.0	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-48C-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1000	470	38.8	11.4	2.64	29.7	8.7	2.43	20.0	5.9	2.20	14.5	4.2	1.97	7.1	2.1	1.47
1200	565	39.6	11.6	2.52	30.5	8.9	2.31	20.8	6.1	2.08	15.3	4.5	1.85	7.9	2.3	1.35
1400	660	40.4	11.8	2.44	31.3	9.2	2.23	21.5	6.3	2.01	16.1	4.7	1.77	8.6	2.5	1.27

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-48C-2F]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.52	39.6	11.6
60	16	2.47	37.6	11.0
55	13	2.42	35.5	10.4
50	10	2.37	33.5	9.8
47	8	2.34	32.3	9.5
45	7	2.31	30.5	8.9
40	4	2.22	26.1	7.6
35	2	2.13	21.6	6.3
30	-1	2.11	21.2	6.2
25	-4	2.08	20.8	6.1
20	-7	2.06	20.3	5.9
17	-8	2.04	20.1	5.9
15	-9	2.02	19.2	5.6
10	-12	1.97	17.2	5.0
5	-15	1.85	15.3	4.5
0	-18	1.72	13.5	4.0
-5	-21	1.60	11.6	3.4
-10	-23	1.48	9.7	2.8
-15	-26	1.35	7.9	2.3
-20	-29	1.23	6.0	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	26.0	7.6	1.20	.75	.89	1.00	24.6	7.2	1.39	.76	.91	1.00	23.2	6.8	1.62	.78	.94	1.00	21.6	6.3	1.88	.81	.98	1.00
	840	395	26.8	7.9	1.21	.77	.92	1.00	25.4	7.4	1.40	.79	.95	1.00	23.8	7.0	1.62	.82	.98	1.00	22.2	6.5	1.88	.84	1.00	1.00
	920	435	27.4	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.98	1.00	24.4	7.2	1.63	.84	1.00	1.00	23.0	6.7	1.89	.87	1.00	1.00
67°F (19°C)	740	350	27.8	8.1	1.21	.59	.72	.85	26.4	7.7	1.41	.60	.73	.87	25.0	7.3	1.63	.61	.75	.90	23.2	6.8	1.89	.62	.78	.93
	840	395	28.8	8.4	1.22	.60	.74	.88	27.2	8.0	1.41	.61	.76	.91	25.6	7.5	1.63	.63	.79	.94	23.8	7.0	1.89	.64	.81	.98
	920	435	29.4	8.6	1.22	.61	.76	.91	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.64	.64	.81	.97	24.2	7.1	1.90	.66	.84	1.00
71°F (22°C)	740	350	29.6	8.7	1.23	.44	.57	.69	28.2	8.3	1.42	.45	.58	.71	26.6	7.8	1.64	.45	.59	.73	24.8	7.3	1.90	.46	.61	.75
	840	395	30.6	9.0	1.23	.45	.59	.72	29.0	8.5	1.43	.46	.60	.73	27.4	8.0	1.65	.46	.61	.76	25.6	7.5	1.91	.47	.63	.78
	920	435	31.4	9.2	1.24	.46	.60	.74	29.6	8.7	1.43	.46	.61	.76	27.8	8.1	1.65	.47	.63	.78	26.0	7.6	1.91	.47	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1035	490	35.0	10.3	2.22	.75	.89	1.00	33.0	9.7	2.49	.77	.91	1.00	30.8	9.0	2.78	.79	.95	1.00	28.6	8.4	3.11	.82	.99	1.00
	1225	580	36.2	10.6	2.23	.78	.94	1.00	34.2	10.0	2.50	.80	.97	1.00	31.8	9.3	2.80	.83	1.00	1.00	29.8	8.7	3.13	.87	1.00	1.00
	1385	655	37.0	10.8	2.24	.81	.98	1.00	34.8	10.2	2.51	.84	1.00	1.00	33.0	9.7	2.81	.87	1.00	1.00	30.8	9.0	3.15	.91	1.00	1.00
67°F (19°C)	1035	490	37.2	10.9	2.24	.59	.72	.85	35.2	10.3	2.51	.60	.74	.88	33.0	9.7	2.81	.61	.76	.91	30.6	9.0	3.15	.63	.79	.95
	1225	580	38.5	11.3	2.26	.61	.76	.90	36.4	10.7	2.53	.62	.78	.93	34.0	10.0	2.82	.64	.81	.97	31.4	9.2	3.16	.66	.84	1.00
	1385	655	39.5	11.6	2.27	.63	.79	.94	37.2	10.9	2.54	.64	.81	.98	34.8	10.2	2.83	.66	.84	1.00	32.2	9.4	3.17	.68	.88	1.00
71°F (22°C)	1035	490	39.5	11.6	2.27	.44	.57	.70	37.2	10.9	2.54	.45	.58	.71	35.0	10.3	2.83	.46	.60	.74	32.6	9.6	3.17	.46	.61	.76
	1225	580	41.0	12.0	2.28	.45	.60	.73	38.5	11.3	2.55	.46	.61	.75	36.2	10.6	2.85	.47	.62	.78	33.6	9.8	3.19	.47	.65	.81
	1385	655	42.0	12.3	2.30	.46	.61	.76	39.5	11.6	2.56	.47	.63	.79	37.0	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	28.4	8.3	1.80	26.3	7.7	1.75	24.3	7.1	1.69	22.3	6.5	1.64
840	395	28.8	8.4	1.71	26.8	7.9	1.65	24.8	7.3	1.60	22.8	6.7	1.55
920	435	29.2	8.6	1.65	27.2	8.0	1.60	25.1	7.4	1.55	23.1	6.8	1.49

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G60UHV-36B-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1035	490	38.7	11.3	2.57	29.5	8.6	2.36	19.6	5.7	2.14	14.1	4.1	1.92	6.9	2.0	1.43
1225	580	39.5	11.6	2.47	30.3	8.9	2.26	20.4	6.0	2.04	14.9	4.4	1.81	7.7	2.3	1.33
1385	655	40.1	11.8	2.40	30.8	9.0	2.19	21.0	6.2	1.97	15.5	4.5	1.75	8.2	2.4	1.26

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-44/48B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.47	39.5	11.6
60	16	2.42	37.5	11.0
55	13	2.37	35.4	10.4
50	10	2.32	33.3	9.8
47	8	2.30	32.1	9.4
45	7	2.26	30.3	8.9
40	4	2.17	25.9	7.6
35	2	2.09	21.4	6.3
30	-1	2.06	20.9	6.1
25	-4	2.04	20.4	6.0
20	-7	2.02	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.99	18.8	5.5
10	-12	1.94	16.7	4.9
5	-15	1.81	14.9	4.4
0	-18	1.69	13.1	3.8
-5	-21	1.57	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.33	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	685	325	25.4	7.4	1.19	.73	.86	.99	24.2	7.1	1.39	.75	.89	1.00	22.6	6.6	1.61	.77	.91	1.00	21.2	6.2	1.87	.79	.95	1.00
	795	375	26.4	7.7	1.20	.76	.91	1.00	25.0	7.3	1.40	.78	.93	1.00	23.6	6.9	1.62	.80	.96	1.00	22.0	6.4	1.88	.83	1.00	1.00
	965	455	27.8	8.1	1.21	.81	.97	1.00	26.2	7.7	1.41	.83	.99	1.00	24.8	7.3	1.63	.86	1.00	1.00	23.4	6.9	1.89	.89	1.00	1.00
67°F (19°C)	685	325	27.2	8.0	1.21	.58	.71	.83	25.8	7.6	1.40	.59	.72	.85	24.4	7.2	1.63	.60	.74	.87	22.8	6.7	1.88	.61	.76	.90
	795	375	28.4	8.3	1.22	.60	.73	.87	26.8	7.9	1.41	.61	.75	.89	25.4	7.4	1.63	.62	.77	.92	23.6	6.9	1.89	.64	.80	.96
	965	455	29.8	8.7	1.23	.63	.78	.93	28.0	8.2	1.42	.64	.80	.96	26.4	7.7	1.64	.65	.83	.99	24.6	7.2	1.90	.67	.86	1.00
71°F (22°C)	685	325	29.0	8.5	1.22	.45	.57	.68	27.6	8.1	1.42	.45	.57	.69	26.0	7.6	1.64	.45	.58	.71	24.4	7.2	1.90	.46	.60	.73
	795	375	30.2	8.9	1.23	.45	.58	.71	28.6	8.4	1.43	.46	.59	.72	27.0	7.9	1.65	.46	.61	.74	25.2	7.4	1.90	.47	.62	.77
	965	455	31.6	9.3	1.24	.46	.61	.75	30.0	8.8	1.43	.47	.62	.77	28.2	8.3	1.66	.48	.64	.80	26.4	7.7	1.91	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-045]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.4	10.1	2.22	.74	.87	.99	32.6	9.6	2.48	.75	.89	1.00	30.4	8.9	2.78	.77	.92	1.00	28.2	8.3	3.11	.80	.96	1.00
	1185	560	36.0	10.6	2.23	.78	.93	1.00	34.0	10.0	2.50	.80	.95	1.00	31.8	9.3	2.79	.82	.99	1.00	29.6	8.7	3.13	.85	1.00	1.00
	1420	670	37.4	11.0	2.25	.82	.98	1.00	35.2	10.3	2.51	.84	1.00	1.00	33.2	9.7	2.81	.87	1.00	1.00	31.2	9.1	3.15	.91	1.00	1.00
67°F (19°C)	970	460	36.6	10.7	2.24	.59	.71	.83	34.6	10.1	2.51	.59	.73	.86	32.6	9.6	2.80	.60	.75	.89	30.2	8.9	3.14	.62	.77	.92
	1185	560	38.5	11.3	2.26	.61	.75	.89	36.2	10.6	2.52	.62	.77	.92	34.0	10.0	2.82	.63	.80	.95	31.4	9.2	3.16	.65	.83	.99
	1420	670	39.5	11.6	2.27	.63	.80	.95	37.4	11.0	2.54	.65	.82	.98	35.0	10.3	2.83	.67	.85	1.00	32.4	9.5	3.17	.69	.89	1.00
71°F (22°C)	970	460	39.0	11.4	2.26	.45	.57	.69	36.8	10.8	2.53	.45	.58	.70	34.6	10.1	2.83	.46	.59	.72	32.2	9.4	3.17	.46	.60	.74
	1185	560	40.5	11.9	2.28	.46	.59	.73	38.5	11.3	2.55	.46	.61	.75	36.0	10.6	2.85	.47	.62	.77	33.4	9.8	3.19	.47	.64	.80
	1420	670	42.0	12.3	2.30	.47	.62	.77	39.5	11.6	2.57	.47	.64	.79	37.2	10.9	2.87	.48	.66	.82	34.4	10.1	3.20	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
685	320	27.8	8.1	1.90	25.8	7.6	1.84	23.8	7.0	1.78	21.8	6.4	1.73
795	375	28.5	8.4	1.78	26.5	7.8	1.72	24.5	7.2	1.66	22.5	6.6	1.61
965	455	29.3	8.6	1.66	27.3	8.0	1.60	25.3	7.4	1.54	23.3	6.8	1.48

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-045]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
970	460	38.2	11.2	2.66	29.1	8.5	2.44	19.4	5.7	2.22	14.0	4.1	1.98	6.7	2.0	1.48
1185	560	39.2	11.5	2.53	30.1	8.8	2.31	20.4	6.0	2.09	15.0	4.4	1.85	7.7	2.3	1.35
1420	670	40.4	11.8	2.44	31.3	9.2	2.22	21.6	6.3	2.00	16.2	4.7	1.76	8.9	2.6	1.26

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-44/48B-2F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.53	39.2	11.5
60	16	2.48	37.1	10.9
55	13	2.43	35.1	10.3
50	10	2.38	33.1	9.7
47	8	2.35	31.8	9.3
45	7	2.31	30.1	8.8
40	4	2.23	25.7	7.5
35	2	2.14	21.3	6.2
30	-1	2.11	20.8	6.1
25	-4	2.09	20.4	6.0
20	-7	2.06	19.9	5.8
17	-8	2.05	19.6	5.7
15	-9	2.03	18.8	5.5
10	-12	1.98	16.8	4.9
5	-15	1.85	15.0	4.4
0	-18	1.73	13.2	3.9
-5	-21	1.60	11.3	3.3
-10	-23	1.48	9.5	2.8
-15	-26	1.35	7.7	2.3
-20	-29	1.23	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	725	340	25.8	7.6	1.20	.74	.88	1.00	24.4	7.2	1.39	.76	.90	1.00	23.0	6.7	1.62	.78	.93	1.00	21.4	6.3	1.87	.81	.97	1.00
	815	385	26.6	7.8	1.20	.77	.91	1.00	25.2	7.4	1.40	.79	.94	1.00	23.6	6.9	1.62	.81	.97	1.00	22.0	6.4	1.88	.84	1.00	1.00
	935	440	27.6	8.1	1.21	.80	.96	1.00	26.0	7.6	1.40	.82	.98	1.00	24.6	7.2	1.63	.85	1.00	1.00	23.0	6.7	1.89	.88	1.00	1.00
67°F (19°C)	725	340	27.6	8.1	1.21	.59	.72	.84	26.2	7.7	1.41	.60	.73	.86	24.8	7.3	1.63	.61	.75	.89	23.0	6.7	1.89	.62	.78	.93
	815	385	28.6	8.4	1.22	.60	.74	.87	27.0	7.9	1.41	.61	.76	.90	25.4	7.4	1.63	.62	.78	.93	23.8	7.0	1.89	.64	.81	.97
	935	440	29.4	8.6	1.23	.62	.77	.92	27.8	8.1	1.42	.63	.79	.95	26.2	7.7	1.64	.65	.82	.98	24.4	7.2	1.90	.66	.85	1.00
71°F (22°C)	725	340	29.6	8.7	1.23	.45	.57	.69	28.0	8.2	1.42	.45	.58	.71	26.4	7.7	1.64	.46	.59	.72	24.8	7.3	1.90	.46	.61	.75
	815	385	30.4	8.9	1.23	.46	.59	.71	28.8	8.4	1.43	.46	.60	.73	27.2	8.0	1.65	.46	.61	.75	25.4	7.4	1.91	.47	.62	.78
	935	440	31.4	9.2	1.24	.46	.60	.74	29.8	8.7	1.43	.47	.62	.76	28.0	8.2	1.65	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1010	475	34.8	10.2	2.22	.74	.88	1.00	32.8	9.6	2.48	.76	.90	1.00	30.8	9.0	2.78	.78	.93	1.00	28.6	8.4	3.12	.81	.97	1.00
	1190	560	36.0	10.6	2.23	.78	.93	1.00	34.0	10.0	2.50	.80	.96	1.00	31.8	9.3	2.79	.82	.99	1.00	29.6	8.7	3.13	.85	1.00	1.00
	1395	660	37.2	10.9	2.25	.82	.98	1.00	35.2	10.3	2.51	.84	1.00	1.00	33.0	9.7	2.81	.87	1.00	1.00	31.0	9.1	3.15	.91	1.00	1.00
67°F (19°C)	1010	475	37.0	10.8	2.24	.59	.72	.84	35.0	10.3	2.51	.60	.73	.87	32.8	9.6	2.81	.61	.76	.90	30.4	8.9	3.15	.62	.78	.94
	1190	560	38.5	11.3	2.26	.61	.75	.89	36.2	10.6	2.52	.62	.77	.92	34.0	10.0	2.82	.63	.80	.95	31.4	9.2	3.16	.65	.83	.99
	1395	660	39.5	11.6	2.27	.63	.79	.94	37.2	10.9	2.54	.65	.81	.98	34.8	10.2	2.83	.66	.85	1.00	32.4	9.5	3.17	.68	.88	1.00
71°F (22°C)	1010	475	39.0	11.4	2.27	.45	.57	.69	37.2	10.9	2.53	.45	.58	.71	34.8	10.2	2.83	.46	.60	.73	32.4	9.5	3.17	.46	.61	.76
	1190	560	40.5	11.9	2.28	.46	.59	.73	38.5	11.3	2.55	.46	.61	.75	36.0	10.6	2.85	.47	.62	.77	33.4	9.8	3.19	.47	.64	.80
	1395	660	42.0	12.3	2.30	.47	.62	.77	39.5	11.6	2.56	.47	.63	.79	37.0	10.8	2.86	.48	.65	.82	34.2	10.0	3.20	.49	.67	.86

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
725	345	28.1	8.2	1.85	26.1	7.6	1.79	24.1	7.1	1.74	22.1	6.5	1.68
815	385	28.5	8.4	1.76	26.5	7.8	1.70	24.5	7.2	1.65	22.6	6.6	1.59
935	440	29.2	8.6	1.68	27.2	8.0	1.63	25.2	7.4	1.57	23.2	6.8	1.51

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-44/48B-2F + G61MPV-36B-070]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1010	475	38.4	11.3	2.63	29.3	8.6	2.42	19.6	5.7	2.19	14.2	4.2	1.96	6.9	2.0	1.46
1190	560	39.2	11.5	2.53	30.1	8.8	2.31	20.4	6.0	2.09	15.0	4.4	1.85	7.7	2.3	1.35
1395	660	40.1	11.8	2.45	31.0	9.1	2.23	21.3	6.2	2.01	15.9	4.7	1.77	8.6	2.5	1.27

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-44/48B-2F + G61MPV-36B-070]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	2.53	39.2	11.5
60	16	2.48	37.1	10.9
55	13	2.43	35.1	10.3
50	10	2.38	33.1	9.7
47	8	2.35	31.8	9.3
45	7	2.31	30.1	8.8
40	4	2.22	25.7	7.5
35	2	2.14	21.3	6.2
30	-1	2.11	20.8	6.1
25	-4	2.09	20.4	6.0
20	-7	2.06	19.9	5.8
17	-8	2.05	19.6	5.7
15	-9	2.03	18.8	5.5
10	-12	1.98	16.8	4.9
5	-15	1.85	15.0	4.4
0	-18	1.73	13.2	3.9
-5	-21	1.60	11.3	3.3
-10	-23	1.48	9.5	2.8
-15	-26	1.35	7.7	2.3
-20	-29	1.23	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-48C-2F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.4	8.0	1.21	.80	.95	1.00	26.0	7.6	1.40	.82	.98	1.00	24.4	7.2	1.63	.84	1.00	1.00	23.0	6.7	1.89	.88	1.00	1.00
	1055	500	28.2	8.3	1.22	.83	.99	1.00	26.8	7.9	1.41	.85	1.00	1.00	25.4	7.4	1.63	.88	1.00	1.00	24.0	7.0	1.89	.92	1.00	1.00
67°F (19°C)	930	440	29.4	8.6	1.23	.62	.77	.92	27.8	8.1	1.42	.63	.79	.94	26.2	7.7	1.64	.65	.81	.98	24.4	7.2	1.90	.66	.85	1.00
	1055	500	30.2	8.9	1.23	.64	.80	.96	28.6	8.4	1.42	.65	.83	.99	26.8	7.9	1.64	.67	.86	1.00	25.0	7.3	1.90	.69	.89	1.00
71°F (22°C)	930	440	31.4	9.2	1.24	.46	.60	.74	29.8	8.7	1.43	.47	.62	.76	28.0	8.2	1.65	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82
	1055	500	32.2	9.4	1.25	.47	.63	.78	30.6	9.0	1.44	.48	.64	.80	28.8	8.4	1.66	.48	.66	.83	26.8	7.9	1.92	.49	.68	.86

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-48C-2F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	37.0	10.8	2.24	.81	.97	1.00	34.8	10.2	2.51	.83	1.00	1.00	32.8	9.6	2.81	.86	1.00	1.00	30.8	9.0	3.15	.90	1.00	1.00
	1520	715	37.8	11.1	2.25	.84	1.00	1.00	35.8	10.5	2.52	.86	1.00	1.00	34.0	10.0	2.82	.90	1.00	1.00	31.8	9.3	3.16	.94	1.00	1.00
67°F (19°C)	1355	640	39.5	11.6	2.27	.63	.78	.93	37.0	10.8	2.53	.64	.81	.96	34.8	10.2	2.83	.66	.83	.99	32.2	9.4	3.17	.68	.87	1.00
	1520	715	40.0	11.7	2.28	.65	.81	.97	37.8	11.1	2.54	.66	.84	1.00	35.4	10.4	2.84	.68	.87	1.00	32.6	9.6	3.18	.70	.91	1.00
71°F (22°C)	1355	640	42.0	12.3	2.29	.47	.61	.76	39.5	11.6	2.56	.47	.63	.78	36.8	10.8	2.86	.48	.65	.81	34.2	10.0	3.20	.49	.67	.85
	1520	715	42.5	12.5	2.30	.47	.63	.79	40.0	11.7	2.57	.48	.65	.82	37.6	11.0	2.87	.49	.67	.85	34.8	10.2	3.21	.50	.69	.89

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-48C-2F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
930	440	29.1	8.5	1.68	27.0	7.9	1.63	24.9	7.3	1.58	22.9	6.7	1.53
1055	500	29.5	8.6	1.61	27.4	8.0	1.56	25.3	7.4	1.51	23.2	6.8	1.45

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-48C-2F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1355	640	39.6	11.6	2.45	30.3	8.9	2.25	20.4	6.0	2.04	14.9	4.4	1.81	7.7	2.3	1.32
1520	715	40.2	11.8	2.40	30.9	9.1	2.19	21.0	6.2	1.98	15.4	4.5	1.76	8.2	2.4	1.27

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-48C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.45	39.6	11.6
60	16	2.40	37.5	11.0
55	13	2.36	35.4	10.4
50	10	2.31	33.3	9.8
47	8	2.28	32.1	9.4
45	7	2.25	30.3	8.9
40	4	2.16	25.8	7.6
35	2	2.08	21.4	6.3
30	-1	2.06	20.9	6.1
25	-4	2.04	20.4	6.0
20	-7	2.01	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.98	18.8	5.5
10	-12	1.93	16.7	4.9
5	-15	1.81	14.9	4.4
0	-18	1.69	13.1	3.8
-5	-21	1.57	11.3	3.3
-10	-23	1.45	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-50/60C-2F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	930	440	27.8	8.1	1.21	.80	.96	1.00	26.2	7.7	1.41	.82	.99	1.00	24.8	7.3	1.63	.85	1.00	1.00	23.4	6.9	1.89	.88	1.00	1.00
	1055	500	28.6	8.4	1.22	.84	1.00	1.00	27.2	8.0	1.41	.86	1.00	1.00	25.8	7.6	1.64	.89	1.00	1.00	24.2	7.1	1.90	.93	1.00	1.00
67°F (19°C)	930	440	29.8	8.7	1.23	.62	.77	.92	28.0	8.2	1.42	.63	.79	.95	26.4	7.7	1.64	.65	.82	.98	24.6	7.2	1.90	.67	.85	1.00
	1055	500	30.6	9.0	1.23	.64	.81	.97	28.8	8.4	1.43	.66	.83	.99	27.0	7.9	1.65	.67	.86	1.00	25.2	7.4	1.90	.69	.90	1.00
71°F (22°C)	930	440	31.6	9.3	1.24	.46	.61	.75	30.0	8.8	1.44	.47	.62	.77	28.2	8.3	1.66	.47	.63	.79	26.2	7.7	1.91	.48	.65	.82
	1055	500	32.6	9.6	1.25	.47	.63	.78	30.8	9.0	1.44	.48	.64	.80	29.0	8.5	1.66	.48	.66	.83	27.0	7.9	1.92	.49	.68	.87

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-50/60C-2F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1355	640	37.4	11.0	2.25	.81	.98	1.00	35.2	10.3	2.51	.84	1.00	1.00	33.2	9.7	2.81	.87	1.00	1.00	31.2	9.1	3.15	.90	1.00	1.00
	1520	715	38.5	11.3	2.26	.85	1.00	1.00	36.4	10.7	2.53	.87	1.00	1.00	34.4	10.1	2.83	.91	1.00	1.00	32.2	9.4	3.17	.95	1.00	1.00
67°F (19°C)	1355	640	40.0	11.7	2.27	.63	.79	.94	37.4	11.0	2.54	.65	.81	.97	35.0	10.3	2.83	.66	.84	1.00	32.4	9.5	3.17	.68	.88	1.00
	1520	715	40.5	11.9	2.28	.65	.82	.98	38.0	11.1	2.55	.67	.85	1.00	35.6	10.4	2.84	.68	.88	1.00	33.0	9.7	3.18	.71	.92	1.00
71°F (22°C)	1355	640	42.0	12.3	2.30	.47	.62	.76	40.0	11.7	2.57	.47	.63	.79	37.2	10.9	2.87	.48	.65	.82	34.6	10.1	3.20	.49	.67	.85
	1520	715	43.0	12.6	2.31	.48	.64	.80	40.5	11.9	2.58	.48	.65	.82	38.0	11.1	2.87	.49	.68	.86	35.2	10.3	3.21	.50	.70	.90

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-50/60C-2F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
930	440	29.3	8.6	1.64	27.2	8.0	1.59	25.1	7.4	1.54	23.0	6.7	1.49
1055	500	29.8	8.7	1.57	27.7	8.1	1.52	25.6	7.5	1.47	23.5	6.9	1.42

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-50/60C-2F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1355	640	40.0	11.7	2.38	30.5	8.9	2.20	20.5	6.0	2.01	14.9	4.4	1.80	7.7	2.3	1.31
1520	715	40.5	11.9	2.32	31.1	9.1	2.14	21.0	6.2	1.95	15.5	4.5	1.74	8.3	2.4	1.26

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-50/60C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.38	40.0	11.7
60	16	2.34	37.8	11.1
55	13	2.30	35.7	10.5
50	10	2.26	33.6	9.8
47	8	2.23	32.3	9.5
45	7	2.20	30.5	8.9
40	4	2.12	26.0	7.6
35	2	2.04	21.5	6.3
30	-1	2.02	21.0	6.2
25	-4	2.01	20.5	6.0
20	-7	1.99	20.0	5.9
17	-8	1.98	19.7	5.8
15	-9	1.96	18.8	5.5
10	-12	1.92	16.7	4.9
5	-15	1.80	14.9	4.4
0	-18	1.68	13.1	3.8
-5	-21	1.56	11.3	3.3
-10	-23	1.43	9.5	2.8
-15	-26	1.31	7.7	2.3
-20	-29	1.19	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-50/60C-2F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	740	350	26.2	7.7	1.20	.75	.89	1.00	24.8	7.3	1.40	.77	.91	1.00	23.4	6.9	1.62	.79	.94	1.00	21.8	6.4	1.88	.81	.98	1.00
	840	395	27.0	7.9	1.21	.78	.93	1.00	25.6	7.5	1.40	.80	.95	1.00	24.0	7.0	1.62	.82	.99	1.00	22.6	6.6	1.88	.85	1.00	1.00
67°F (19°C)	740	350	28.0	8.2	1.22	.59	.72	.85	26.6	7.8	1.41	.60	.74	.87	25.0	7.3	1.63	.61	.76	.90	23.4	6.9	1.89	.63	.78	.94
	840	395	29.0	8.5	1.22	.61	.75	.89	27.4	8.0	1.42	.62	.77	.91	25.8	7.6	1.64	.63	.79	.95	24.0	7.0	1.90	.65	.82	.98
71°F (22°C)	740	350	30.0	8.8	1.23	.45	.58	.69	28.4	8.3	1.42	.45	.58	.71	26.8	7.9	1.64	.46	.60	.73	25.0	7.3	1.90	.46	.61	.75
	840	395	31.0	9.1	1.24	.46	.59	.72	29.4	8.6	1.43	.46	.60	.74	27.6	8.1	1.65	.47	.62	.76	25.8	7.6	1.91	.47	.63	.79

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-50/60C-2F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1290	610	37.0	10.8	2.24	.80	.96	1.00	35.0	10.3	2.51	.82	.99	1.00	32.8	9.6	2.81	.85	1.00	1.00	30.8	9.0	3.15	.89	1.00	1.00
	1465	690	38.0	11.1	2.25	.83	1.00	1.00	36.0	10.6	2.52	.86	1.00	1.00	34.0	10.0	2.82	.89	1.00	1.00	31.8	9.3	3.16	.93	1.00	1.00
67°F (19°C)	1290	610	39.5	11.6	2.27	.62	.78	.93	37.0	10.8	2.53	.64	.80	.96	34.8	10.2	2.83	.65	.83	.99	32.2	9.4	3.17	.67	.86	1.00
	1465	690	40.5	11.9	2.28	.64	.81	.97	38.0	11.1	2.54	.66	.84	1.00	35.4	10.4	2.84	.68	.87	1.00	32.8	9.6	3.18	.70	.91	1.00
71°F (22°C)	1290	610	41.5	12.2	2.30	.46	.61	.75	39.5	11.6	2.56	.47	.62	.77	37.0	10.8	2.86	.48	.64	.80	34.2	10.0	3.20	.48	.66	.84
	1465	690	43.0	12.6	2.31	.47	.63	.79	40.5	11.9	2.57	.48	.65	.81	37.6	11.0	2.87	.49	.67	.84	35.0	10.3	3.21	.50	.69	.88

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-50/60C-2F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
740	350	28.3	8.3	1.79	26.3	7.7	1.73	24.4	7.2	1.67	22.4	6.6	1.61
840	395	28.8	8.4	1.70	26.8	7.9	1.64	24.8	7.3	1.58	22.8	6.7	1.53

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-50/60C-2F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1290	610	39.8	11.7	2.41	30.4	8.9	2.22	20.4	6.0	2.02	14.9	4.4	1.81	7.7	2.3	1.32
1465	690	40.4	11.8	2.35	31.0	9.1	2.16	21.0	6.2	1.96	15.5	4.5	1.75	8.3	2.4	1.26

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-50/60C-2F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	39.8	11.7
60	16	2.37	37.7	11.0
55	13	2.33	35.6	10.4
50	10	2.28	33.5	9.8
47	8	2.26	32.2	9.4
45	7	2.22	30.4	8.9
40	4	2.14	25.9	7.6
35	2	2.06	21.4	6.3
30	-1	2.04	20.9	6.1
25	-4	2.02	20.4	6.0
20	-7	2.01	19.9	5.8
17	-8	2.00	19.6	5.7
15	-9	1.98	18.8	5.5
10	-12	1.93	16.7	4.9
5	-15	1.81	14.9	4.4
0	-18	1.69	13.1	3.8
-5	-21	1.57	11.3	3.3
-10	-23	1.44	9.5	2.8
-15	-26	1.32	7.7	2.3
-20	-29	1.20	5.9	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-60D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	900	425	27.4	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.97	1.00	24.4	7.2	1.63	.84	1.00	1.00	23.0	6.7	1.89	.87	1.00	1.00
	1000	470	28.0	8.2	1.21	.82	.98	1.00	26.6	7.8	1.41	.84	1.00	1.00	25.2	7.4	1.63	.87	1.00	1.00	23.8	7.0	1.89	.90	1.00	1.00
67°F (19°C)	900	425	29.2	8.6	1.22	.62	.76	.91	27.8	8.1	1.42	.63	.78	.94	26.2	7.7	1.64	.64	.81	.97	24.4	7.2	1.90	.66	.84	1.00
	1000	470	30.0	8.8	1.23	.63	.79	.94	28.4	8.3	1.42	.65	.81	.97	26.6	7.8	1.64	.66	.84	1.00	24.8	7.3	1.90	.68	.87	1.00
71°F (22°C)	900	425	31.2	9.1	1.24	.46	.60	.74	29.6	8.7	1.43	.46	.61	.76	28.0	8.2	1.65	.47	.63	.78	26.0	7.6	1.91	.48	.65	.81
	1000	470	32.0	9.4	1.25	.47	.62	.76	30.4	8.9	1.44	.47	.63	.78	28.6	8.4	1.66	.48	.65	.81	26.6	7.8	1.92	.49	.67	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-60D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	36.8	10.8	2.24	.80	.95	1.00	34.6	10.1	2.50	.82	.98	1.00	32.6	9.6	2.80	.85	1.00	1.00	30.4	8.9	3.14	.88	1.00	1.00
	1430	675	37.6	11.0	2.25	.82	.99	1.00	35.6	10.4	2.52	.85	1.00	1.00	33.6	9.8	2.82	.88	1.00	1.00	31.4	9.2	3.16	.92	1.00	1.00
67°F (19°C)	1275	600	39.0	11.4	2.27	.62	.77	.92	37.0	10.8	2.53	.63	.79	.95	34.6	10.1	2.83	.65	.82	.98	32.0	9.4	3.17	.67	.86	1.00
	1430	675	40.0	11.7	2.27	.64	.80	.96	37.6	11.0	2.54	.65	.83	.99	35.2	10.3	2.84	.67	.86	1.00	32.6	9.6	3.17	.69	.89	1.00
71°F (22°C)	1275	600	41.5	12.2	2.29	.46	.61	.75	39.0	11.4	2.56	.47	.62	.77	36.8	10.8	2.86	.47	.64	.79	34.0	10.0	3.20	.48	.66	.83
	1430	675	42.5	12.5	2.30	.47	.62	.78	40.0	11.7	2.57	.48	.64	.80	37.4	11.0	2.87	.48	.66	.83	34.8	10.2	3.20	.49	.68	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-60D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
900	425	29.0	8.5	1.67	27.0	7.9	1.62	24.9	7.3	1.57	22.8	6.7	1.52
1000	470	29.4	8.6	1.61	27.3	8.0	1.56	25.2	7.4	1.51	23.2	6.8	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-60D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.4	11.5	2.45	30.1	8.8	2.25	20.2	5.9	2.04	14.7	4.3	1.82	7.6	2.2	1.33
1430	675	39.9	11.7	2.40	30.6	9.0	2.20	20.7	6.1	1.99	15.2	4.5	1.76	8.1	2.4	1.27

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-60D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.45	39.4	11.5
60	16	2.41	37.3	10.9
55	13	2.36	35.2	10.3
50	10	2.32	33.1	9.7
47	8	2.29	31.9	9.3
45	7	2.25	30.1	8.8
40	4	2.17	25.7	7.5
35	2	2.09	21.2	6.2
30	-1	2.06	20.7	6.1
25	-4	2.04	20.2	5.9
20	-7	2.02	19.7	5.8
17	-8	2.01	19.4	5.7
15	-9	1.99	18.5	5.4
10	-12	1.94	16.5	4.8
5	-15	1.82	14.7	4.3
0	-18	1.70	12.9	3.8
-5	-21	1.58	11.1	3.3
-10	-23	1.45	9.4	2.8
-15	-26	1.33	7.6	2.2
-20	-29	1.21	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-036 with [CH33-60D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	900	425	27.4	8.0	1.21	.79	.95	1.00	25.8	7.6	1.40	.81	.97	1.00	24.4	7.2	1.63	.84	1.00	1.00	23.0	6.7	1.89	.87	1.00	1.00
	1000	470	28.0	8.2	1.21	.82	.98	1.00	26.6	7.8	1.41	.84	1.00	1.00	25.2	7.4	1.63	.87	1.00	1.00	23.8	7.0	1.89	.90	1.00	1.00
67°F (19°C)	900	425	29.2	8.6	1.22	.62	.76	.91	27.8	8.1	1.42	.63	.78	.94	26.2	7.7	1.64	.64	.81	.97	24.4	7.2	1.90	.66	.84	1.00
	1000	470	30.0	8.8	1.23	.63	.79	.94	28.4	8.3	1.42	.65	.81	.97	26.6	7.8	1.64	.66	.84	1.00	24.8	7.3	1.90	.68	.87	1.00
71°F (22°C)	900	425	31.2	9.1	1.24	.46	.60	.74	29.6	8.7	1.43	.46	.61	.76	28.0	8.2	1.65	.47	.63	.78	26.0	7.6	1.91	.48	.65	.81
	1000	470	32.0	9.4	1.25	.47	.62	.76	30.4	8.9	1.44	.47	.63	.78	28.6	8.4	1.66	.48	.65	.81	26.6	7.8	1.92	.49	.67	.84

SECOND STAGE COOLING CAPACITY - XP19-036 with [CH33-60D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1275	600	36.8	10.8	2.24	.80	.95	1.00	34.6	10.1	2.50	.82	.98	1.00	32.6	9.6	2.80	.85	1.00	1.00	30.4	8.9	3.14	.88	1.00	1.00
	1430	675	37.6	11.0	2.25	.82	.99	1.00	35.6	10.4	2.52	.85	1.00	1.00	33.6	9.8	2.82	.88	1.00	1.00	31.4	9.2	3.16	.92	1.00	1.00
67°F (19°C)	1275	600	39.0	11.4	2.27	.62	.77	.92	37.0	10.8	2.53	.63	.79	.95	34.6	10.1	2.83	.65	.82	.98	32.0	9.4	3.17	.67	.86	1.00
	1430	675	40.0	11.7	2.27	.64	.80	.96	37.6	11.0	2.54	.65	.83	.99	35.2	10.3	2.84	.67	.86	1.00	32.6	9.6	3.17	.69	.89	1.00
71°F (22°C)	1275	600	41.5	12.2	2.29	.46	.61	.75	39.0	11.4	2.56	.47	.62	.77	36.8	10.8	2.86	.47	.64	.79	34.0	10.0	3.20	.48	.66	.83
	1430	675	42.5	12.5	2.30	.47	.62	.78	40.0	11.7	2.57	.48	.64	.80	37.4	11.0	2.87	.48	.66	.83	34.8	10.2	3.20	.49	.68	.87

FIRST STAGE HEATING CAPACITY - XP19-036 with [CH33-60D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
900	425	29.0	8.5	1.67	27.0	7.9	1.62	24.9	7.3	1.57	22.8	6.7	1.52
1000	470	29.4	8.6	1.61	27.3	8.0	1.56	25.2	7.4	1.51	23.2	6.8	1.46

SECOND STAGE HEATING CAPACITY - XP19-036 with [CH33-60D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1275	600	39.4	11.5	2.45	30.1	8.8	2.25	20.2	5.9	2.04	14.7	4.3	1.82	7.6	2.2	1.33
1430	675	39.9	11.7	2.40	30.6	9.0	2.20	20.7	6.1	1.99	15.2	4.5	1.76	8.1	2.4	1.27

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume
XP19-036 with [CH33-60D-2F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.45	39.4	11.5
60	16	2.41	37.3	10.9
55	13	2.36	35.2	10.3
50	10	2.32	33.1	9.7
47	8	2.29	31.9	9.3
45	7	2.25	30.1	8.8
40	4	2.17	25.7	7.5
35	2	2.09	21.2	6.2
30	-1	2.06	20.7	6.1
25	-4	2.04	20.2	5.9
20	-7	2.02	19.7	5.8
17	-8	2.01	19.4	5.7
15	-9	1.99	18.5	5.4
10	-12	1.94	16.5	4.8
5	-15	1.82	14.7	4.3
0	-18	1.70	12.9	3.8
-5	-21	1.58	11.1	3.3
-10	-23	1.45	9.4	2.8
-15	-26	1.33	7.6	2.2
-20	-29	1.21	5.8	1.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX27UH-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1175	555	36.4	10.7	1.53	.79	.95	1.00	34.6	10.1	1.77	.81	.97	1.00	32.6	9.6	2.04	.83	1.00	1.00	31.0	9.1	2.35	.86	1.00	1.00
(17°C)	1455	685	38.5	11.3	1.53	.85	1.00	1.00	36.6	10.7	1.76	.87	1.00	1.00	35.0	10.3	2.03	.90	1.00	1.00	33.2	9.7	2.33	.94	1.00	1.00
67°F	1175	555	39.0	11.4	1.52	.61	.76	.91	37.0	10.8	1.76	.63	.78	.93	35.0	10.3	2.03	.64	.80	.96	32.8	9.6	2.33	.65	.83	.99
(19°C)	1455	685	41.0	12.0	1.52	.65	.82	.98	39.0	11.4	1.75	.66	.84	1.00	36.6	10.7	2.02	.68	.87	1.00	34.2	10.0	2.32	.70	.90	1.00
71°F	1175	555	41.5	12.2	1.52	.46	.60	.74	39.5	11.6	1.75	.46	.61	.75	37.4	11.0	2.01	.46	.62	.77	35.2	10.3	2.31	.47	.64	.80
(22°C)	1455	685	43.5	12.7	1.51	.47	.64	.79	41.5	12.2	1.75	.48	.65	.82	39.0	11.4	2.01	.48	.67	.84	36.8	10.8	2.30	.49	.68	.87

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX27UH-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1400	660	46.0	13.5	2.70	.77	.91	1.00	43.5	12.7	3.03	.78	.94	1.00	41.0	12.0	3.40	.80	.97	1.00	38.5	11.3	3.80	.83	.99	1.00
(17°C)	1600	755	47.5	13.9	2.71	.80	.96	1.00	45.0	13.2	3.04	.82	.98	1.00	42.5	12.5	3.41	.84	1.00	1.00	40.0	11.7	3.82	.87	1.00	1.00
67°F	1400	660	49.0	14.4	2.73	.60	.74	.87	46.5	13.6	3.06	.61	.76	.90	44.0	12.9	3.43	.62	.78	.93	41.0	12.0	3.83	.64	.80	.96
(19°C)	1600	755	50.5	14.8	2.74	.62	.77	.92	48.0	14.1	3.07	.63	.79	.95	45.0	13.2	3.44	.64	.81	.97	42.0	12.3	3.85	.66	.84	1.00
71°F	1400	660	52.0	15.2	2.75	.45	.58	.71	49.5	14.5	3.09	.45	.59	.73	46.5	13.6	3.46	.46	.61	.75	43.5	12.7	3.87	.46	.62	.78
(22°C)	1600	755	53.5	15.7	2.77	.46	.60	.74	51.0	14.9	3.10	.46	.62	.76	48.0	14.1	3.47	.47	.63	.79	45.0	13.2	3.88	.47	.65	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1175	555	40.4	11.8	2.11	37.6	11.0	2.09	34.7	10.2	2.06	31.9	9.3	2.04
1455	685	41.6	12.2	1.97	38.8	11.4	1.95	35.9	10.5	1.92	33.1	9.7	1.90

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.5	16.0	3.26	41.0	12.0	2.93	26.4	7.7	2.54	19.1	5.6	2.41	9.6	2.8	1.79
1600	755	55.4	16.2	3.15	41.8	12.3	2.82	27.3	8.0	2.43	20.0	5.9	2.31	10.4	3.0	1.69

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.15	55.3	16.2
60	16	3.09	52.3	15.3
55	13	3.03	49.3	14.4
50	10	2.97	46.3	13.6
47	8	2.93	44.5	13.0
45	7	2.82	41.7	12.2
40	4	2.56	34.9	10.2
35	2	2.29	28.1	8.2
30	-1	2.36	27.6	8.1
25	-4	2.43	27.2	8.0
20	-7	2.51	26.7	7.8
17	-8	2.55	26.5	7.8
15	-9	2.53	25.3	7.4
10	-12	2.46	22.3	6.5
5	-15	2.31	19.9	5.8
0	-18	2.15	17.5	5.1
-5	-21	2.00	15.1	4.4
-10	-23	1.84	12.7	3.7
-15	-26	1.69	10.3	3.0
-20	-29	1.53	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1260	595	35.6	10.4	1.53	.80	.95	1.00	34.2	10.0	1.78	.82	.97	1.00	32.6	9.6	2.04	.84	1.00	1.00	31.0	9.1	2.35	.87	1.00	1.00
(17°C)	1600	755	38.0	11.1	1.53	.86	1.00	1.00	36.8	10.8	1.76	.88	1.00	1.00	35.2	10.3	2.03	.91	1.00	1.00	33.4	9.8	2.33	.94	1.00	1.00
67°F	1260	595	38.0	11.1	1.53	.63	.77	.91	36.4	10.7	1.76	.64	.79	.94	34.6	10.1	2.03	.65	.81	.96	32.6	9.6	2.33	.67	.84	.99
(19°C)	1600	755	40.0	11.7	1.52	.66	.83	.98	38.0	11.1	1.76	.68	.85	1.00	36.2	10.6	2.02	.69	.88	1.00	34.2	10.0	2.32	.71	.92	1.00
71°F	1260	595	40.5	11.9	1.52	.47	.61	.75	39.0	11.4	1.76	.47	.62	.76	36.8	10.8	2.02	.48	.64	.78	34.8	10.2	2.32	.48	.65	.81
(22°C)	1600	755	43.0	12.6	1.51	.48	.65	.80	41.0	12.0	1.75	.49	.66	.83	38.5	11.3	2.01	.50	.68	.85	36.4	10.7	2.30	.51	.70	.89

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F	1260	595	43.5	12.7	2.68	.74	.87	.98	41.5	12.2	3.01	.76	.89	1.00	39.5	11.6	3.38	.77	.92	1.00	37.2	10.9	3.79	.80	.95	1.00
(17°C)	1600	755	46.0	13.5	2.70	.79	.93	1.00	44.0	12.9	3.03	.80	.96	1.00	42.0	12.3	3.41	.83	.98	1.00	39.5	11.6	3.82	.86	1.00	1.00
67°F	1260	595	46.5	13.6	2.70	.59	.72	.83	44.5	13.0	3.04	.60	.73	.86	42.0	12.3	3.41	.61	.75	.88	39.5	11.6	3.82	.63	.77	.91
(19°C)	1600	755	49.0	14.4	2.73	.62	.76	.90	47.0	13.8	3.06	.63	.78	.92	44.5	13.0	3.43	.65	.80	.95	41.5	12.2	3.84	.66	.83	.98
71°F	1260	595	49.0	14.4	2.73	.45	.58	.69	47.0	13.8	3.06	.46	.59	.71	44.5	13.0	3.43	.46	.60	.72	42.0	12.3	3.84	.47	.61	.75
(22°C)	1600	755	52.0	15.2	2.75	.47	.61	.74	49.5	14.5	3.09	.47	.62	.76	47.0	13.8	3.46	.48	.63	.78	44.0	12.9	3.87	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595	40.9	12.0	2.04	38.0	11.1	2.03	35.1	10.3	2.01	32.2	9.4	2.00
1600	755	42.2	12.4	1.90	39.3	11.5	1.88	36.4	10.7	1.87	33.5	9.8	1.85

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595	54.0	15.8	3.32	40.3	11.8	3.00	25.6	7.5	2.63	18.2	5.3	2.51	8.7	2.5	1.88
1600	755	55.6	16.3	3.13	41.9	12.3	2.82	27.1	7.9	2.44	19.8	5.8	2.33	10.3	3.0	1.70

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.13	55.6	16.3
60	16	3.07	52.6	15.4
55	13	3.02	49.5	14.5
50	10	2.96	46.5	13.6
47	8	2.92	44.7	13.1
45	7	2.82	41.9	12.3
40	4	2.55	35.0	10.3
35	2	2.28	28.1	8.2
30	-1	2.36	27.6	8.1
25	-4	2.44	27.1	7.9
20	-7	2.52	26.7	7.8
17	-8	2.57	26.4	7.7
15	-9	2.54	25.2	7.4
10	-12	2.48	22.1	6.5
5	-15	2.33	19.8	5.8
0	-18	2.17	17.4	5.1
-5	-21	2.01	15.0	4.4
-10	-23	1.86	12.7	3.7
-15	-26	1.70	10.3	3.0
-20	-29	1.54	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX32M-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.8	10.5	1.57	.78	.93	1.00	34.0	10.0	1.82	.79	.95	1.00	32.2	9.4	2.09	.82	.98	1.00	30.2	8.9	2.40	.84	1.00	1.00
	1200	565	36.6	10.7	1.57	.80	.96	1.00	34.8	10.2	1.81	.82	.98	1.00	33.0	9.7	2.09	.84	1.00	1.00	31.2	9.1	2.39	.87	1.00	1.00
	1300	615	37.2	10.9	1.56	.82	.98	1.00	35.4	10.4	1.81	.84	1.00	1.00	33.8	9.9	2.08	.86	1.00	1.00	32.0	9.4	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.5	11.3	1.56	.61	.75	.89	36.6	10.7	1.80	.62	.77	.91	34.4	10.1	2.08	.63	.79	.94	32.4	9.5	2.39	.64	.81	.97
	1200	565	39.0	11.4	1.56	.62	.77	.91	37.2	10.9	1.80	.63	.79	.94	35.2	10.3	2.07	.64	.81	.97	33.0	9.7	2.38	.66	.84	1.00
	1300	615	40.0	11.7	1.56	.63	.79	.94	38.0	11.1	1.80	.64	.81	.97	35.8	10.5	2.07	.66	.83	.99	33.6	9.8	2.38	.67	.86	1.00
71°F (22°C)	1100	520	41.0	12.0	1.55	.45	.59	.72	39.0	11.4	1.79	.46	.60	.74	36.8	10.8	2.06	.46	.61	.76	34.8	10.2	2.37	.47	.63	.78
	1200	565	41.5	12.2	1.55	.46	.60	.74	40.0	11.7	1.79	.46	.61	.76	37.6	11.0	2.06	.47	.63	.78	35.4	10.4	2.37	.47	.64	.81
	1300	615	42.5	12.5	1.55	.46	.62	.76	40.5	11.9	1.79	.47	.63	.78	38.5	11.3	2.06	.47	.64	.80	36.0	10.6	2.36	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX32M-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.0	13.5	2.71	.76	.91	1.00	44.0	12.9	3.05	.78	.93	1.00	41.5	12.2	3.42	.80	.96	1.00	38.5	11.3	3.82	.83	.99	1.00
	1600	755	47.5	13.9	2.73	.79	.95	1.00	45.0	13.2	3.06	.81	.98	1.00	42.5	12.5	3.43	.84	1.00	1.00	40.0	11.7	3.84	.87	1.00	1.00
	1800	850	49.0	14.4	2.74	.82	.98	1.00	46.5	13.6	3.07	.85	1.00	1.00	44.0	12.9	3.44	.87	1.00	1.00	41.5	12.2	3.86	.91	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.74	.60	.74	.87	47.0	13.8	3.08	.61	.75	.90	44.0	12.9	3.45	.62	.78	.92	41.5	12.2	3.86	.64	.80	.96
	1600	755	50.5	14.8	2.75	.62	.77	.91	48.0	14.1	3.09	.63	.79	.94	45.5	13.3	3.46	.64	.81	.97	42.5	12.5	3.87	.66	.84	1.00
	1800	850	52.0	15.2	2.77	.64	.80	.96	49.5	14.5	3.10	.65	.82	.98	46.5	13.6	3.47	.66	.85	1.00	43.5	12.7	3.88	.68	.88	1.00
71°F (22°C)	1400	660	52.0	15.2	2.77	.45	.58	.71	49.5	14.5	3.10	.45	.59	.73	47.0	13.8	3.48	.46	.61	.75	44.0	12.9	3.89	.46	.62	.77
	1600	755	54.0	15.8	2.78	.46	.60	.74	51.0	14.9	3.12	.46	.61	.76	48.5	14.2	3.49	.47	.63	.78	45.5	13.3	3.91	.47	.65	.81
	1800	850	55.0	16.1	2.79	.47	.62	.77	52.5	15.4	3.13	.47	.64	.79	49.5	14.5	3.50	.48	.65	.82	46.5	13.6	3.92	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX32M-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1100	520	40.9	12.0	2.20	38.0	11.1	2.17	35.1	10.3	2.15	32.2	9.4	2.13
1200	565	41.0	12.0	2.12	38.1	11.2	2.10	35.3	10.3	2.08	32.4	9.5	2.06
1300	615	41.7	12.2	2.06	38.8	11.4	2.04	35.9	10.5	2.02	33.0	9.7	2.00

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX32M-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1400	660	55.3	16.2	3.26	41.7	12.2	2.93	27.1	7.9	2.54	19.8	5.8	2.41	10.1	3.0	1.79
1600	755	55.7	16.3	3.16	42.2	12.4	2.82	27.6	8.1	2.43	20.2	5.9	2.31	10.5	3.1	1.69
1800	850	56.7	16.6	3.08	43.1	12.6	2.74	28.5	8.4	2.35	21.2	6.2	2.23	11.5	3.4	1.61

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CBX32M-048]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.16	55.7	16.3
60	16	3.09	52.7	15.4
55	13	3.03	49.7	14.6
50	10	2.97	46.7	13.7
47	8	2.93	44.9	13.2
45	7	2.82	42.2	12.4
40	4	2.56	35.3	10.3
35	2	2.29	28.4	8.3
30	-1	2.36	28.0	8.2
25	-4	2.43	27.6	8.1
20	-7	2.51	27.1	7.9
17	-8	2.55	26.9	7.9
15	-9	2.53	25.7	7.5
10	-12	2.46	22.7	6.7
5	-15	2.31	20.2	5.9
0	-18	2.15	17.8	5.2
-5	-21	2.00	15.4	4.5
-10	-23	1.84	12.9	3.8
-15	-26	1.69	10.5	3.1
-20	-29	1.53	8.1	2.4

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX32M-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.8	10.5	1.57	.77	.92	1.00	34.2	10.0	1.81	.79	.95	1.00	32.2	9.4	2.09	.81	.97	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1200	565	36.8	10.8	1.56	.80	.95	1.00	34.8	10.2	1.81	.81	.97	1.00	33.0	9.7	2.08	.84	1.00	1.00	31.2	9.1	2.39	.87	1.00	1.00
	1300	615	37.4	11.0	1.56	.81	.97	1.00	35.6	10.4	1.81	.84	.99	1.00	33.8	9.9	2.08	.86	1.00	1.00	32.0	9.4	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.5	11.3	1.56	.61	.75	.88	36.4	10.7	1.80	.62	.76	.91	34.4	10.1	2.07	.63	.79	.93	32.4	9.5	2.39	.64	.81	.97
	1200	565	39.0	11.4	1.56	.62	.77	.91	37.2	10.9	1.80	.63	.79	.93	35.2	10.3	2.07	.64	.81	.96	33.0	9.7	2.38	.66	.84	.99
	1300	615	39.5	11.6	1.56	.63	.79	.94	37.8	11.1	1.80	.64	.81	.96	35.6	10.4	2.07	.66	.83	.99	33.6	9.8	2.38	.67	.86	1.00
71°F (22°C)	1100	520	41.0	12.0	1.56	.46	.59	.72	39.0	11.4	1.79	.46	.60	.74	36.8	10.8	2.06	.46	.61	.76	34.8	10.2	2.37	.47	.63	.78
	1200	565	41.5	12.2	1.55	.46	.60	.74	39.5	11.6	1.79	.47	.61	.76	37.6	11.0	2.06	.47	.63	.78	35.4	10.4	2.37	.48	.64	.80
	1300	615	42.5	12.5	1.55	.47	.62	.76	40.5	11.9	1.79	.47	.63	.78	38.5	11.3	2.06	.48	.64	.80	36.0	10.6	2.36	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX32M-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.72	.76	.90	1.00	44.0	12.9	3.05	.78	.93	1.00	41.5	12.2	3.42	.80	.95	1.00	39.0	11.4	3.83	.82	.98	1.00
	1600	755	48.0	14.1	2.73	.79	.94	1.00	45.5	13.3	3.06	.81	.97	1.00	43.0	12.6	3.43	.83	.99	1.00	40.5	11.9	3.85	.86	1.00	1.00
	1800	850	49.5	14.5	2.74	.82	.98	1.00	46.5	13.6	3.08	.84	1.00	1.00	44.0	12.9	3.45	.87	1.00	1.00	42.0	12.3	3.87	.90	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.74	.60	.74	.87	47.0	13.8	3.08	.61	.75	.89	44.5	13.0	3.45	.62	.77	.92	41.5	12.2	3.86	.64	.80	.95
	1600	755	51.0	14.9	2.75	.62	.76	.91	48.5	14.2	3.09	.63	.78	.93	45.5	13.3	3.46	.64	.81	.96	42.5	12.5	3.87	.66	.84	.99
	1800	850	52.0	15.2	2.77	.63	.79	.94	49.5	14.5	3.10	.65	.81	.97	46.5	13.6	3.47	.66	.84	.99	43.5	12.7	3.89	.68	.87	1.00
71°F (22°C)	1400	660	52.5	15.4	2.77	.46	.58	.71	50.0	14.7	3.11	.46	.59	.73	47.0	13.8	3.48	.46	.61	.75	44.5	13.0	3.89	.47	.62	.77
	1600	755	54.0	15.8	2.78	.46	.60	.74	51.5	15.1	3.12	.47	.61	.76	48.5	14.2	3.49	.47	.63	.78	45.5	13.3	3.91	.48	.64	.81
	1800	850	55.0	16.1	2.79	.47	.62	.77	52.5	15.4	3.13	.47	.63	.79	49.5	14.5	3.51	.48	.65	.81	46.5	13.6	3.92	.49	.67	.84

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX32M-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1100	520	40.7	11.9	2.22	37.8	11.1	2.20	34.9	10.2	2.18	32.0	9.4	2.15
1200	565	40.9	12.0	2.14	38.1	11.2	2.11	35.2	10.3	2.09	32.3	9.5	2.07
1300	615	41.6	12.2	2.08	38.7	11.3	2.06	35.8	10.5	2.03	32.9	9.6	2.01

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX32M-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW input	kBtuh	kW	kW input	kBtuh	kW	kW input	kBtuh	kW	kW input	kBtuh	kW	kW input
1400	660	55.2	16.2	3.29	41.7	12.2	2.95	27.1	7.9	2.56	19.8	5.8	2.43	10.1	3.0	1.80
1600	755	55.6	16.3	3.19	42.1	12.3	2.85	27.5	8.1	2.45	20.2	5.9	2.32	10.5	3.1	1.70
1800	850	56.5	16.6	3.11	43.0	12.6	2.77	28.4	8.3	2.37	21.1	6.2	2.24	11.4	3.3	1.62

HEATING PERFORMANCE at 1600cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CBX32M-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	55.6	16.3
60	16	3.12	52.6	15.4
55	13	3.06	49.6	14.5
50	10	2.99	46.6	13.7
47	8	2.95	44.8	13.1
45	7	2.85	42.1	12.3
40	4	2.58	35.2	10.3
35	2	2.31	28.3	8.3
30	-1	2.38	27.9	8.2
25	-4	2.45	27.5	8.1
20	-7	2.52	27.1	7.9
17	-8	2.57	26.8	7.9
15	-9	2.54	25.6	7.5
10	-12	2.48	22.6	6.6
5	-15	2.32	20.2	5.9
0	-18	2.17	17.8	5.2
-5	-21	2.01	15.3	4.5
-10	-23	1.85	12.9	3.8
-15	-26	1.70	10.5	3.1
-20	-29	1.54	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-048] [CBX40UHV-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1090	515	35.8	10.5	1.57	.77	.92	1.00	34.0	10.0	1.82	.79	.95	1.00	32.0	9.4	2.09	.81	.98	1.00	30.2	8.9	2.40	.84	1.00	1.00
	1140	540	36.2	10.6	1.57	.78	.94	1.00	34.4	10.1	1.81	.80	.96	1.00	32.4	9.5	2.09	.83	.99	1.00	30.6	9.0	2.40	.85	1.00	1.00
	1205	570	36.6	10.7	1.57	.80	.96	1.00	34.8	10.2	1.81	.82	.98	1.00	33.0	9.7	2.09	.84	1.00	1.00	31.2	9.1	2.39	.87	1.00	1.00
67°F (19°C)	1090	515	38.5	11.3	1.56	.60	.75	.88	36.4	10.7	1.80	.61	.76	.91	34.4	10.1	2.08	.63	.78	.94	32.4	9.5	2.39	.64	.81	.97
	1140	540	38.5	11.3	1.56	.61	.76	.90	36.8	10.8	1.80	.62	.77	.92	34.8	10.2	2.07	.63	.80	.95	32.6	9.6	2.39	.65	.82	.98
	1205	570	39.0	11.4	1.56	.62	.77	.92	37.2	10.9	1.80	.63	.79	.94	35.2	10.3	2.07	.64	.81	.97	33.0	9.7	2.38	.66	.84	1.00
71°F (22°C)	1090	515	40.5	11.9	1.55	.45	.59	.72	39.0	11.4	1.79	.46	.60	.73	36.8	10.8	2.06	.46	.61	.75	34.6	10.1	2.37	.46	.62	.78
	1140	540	41.0	12.0	1.55	.45	.59	.73	39.5	11.6	1.79	.46	.60	.75	37.2	10.9	2.06	.46	.62	.77	35.0	10.3	2.37	.47	.63	.79
	1205	570	41.5	12.2	1.55	.46	.60	.74	40.0	11.7	1.79	.46	.61	.76	37.6	11.0	2.06	.47	.63	.78	35.4	10.4	2.37	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-048] [CBX40UHV-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1555	735	47.5	13.9	2.72	.79	.94	1.00	45.0	13.2	3.06	.81	.97	1.00	42.5	12.5	3.43	.83	.99	1.00	40.0	11.7	3.84	.86	1.00	1.00
	1625	765	48.0	14.1	2.73	.80	.96	1.00	45.5	13.3	3.06	.82	.98	1.00	43.0	12.6	3.43	.84	1.00	1.00	40.5	11.9	3.85	.87	1.00	1.00
	1725	815	48.5	14.2	2.73	.81	.97	1.00	46.0	13.5	3.07	.84	.99	1.00	43.5	12.7	3.44	.86	1.00	1.00	41.0	12.0	3.85	.89	1.00	1.00
67°F (19°C)	1555	735	50.5	14.8	2.75	.61	.76	.91	48.0	14.1	3.09	.62	.78	.93	45.0	13.2	3.46	.64	.80	.96	42.5	12.5	3.87	.65	.83	.99
	1625	765	51.0	14.9	2.75	.62	.77	.92	48.0	14.1	3.09	.63	.79	.95	45.5	13.3	3.46	.65	.82	.97	42.5	12.5	3.87	.66	.85	1.00
	1725	815	51.5	15.1	2.76	.63	.79	.94	49.0	14.4	3.10	.64	.81	.97	46.0	13.5	3.47	.66	.83	.99	43.0	12.6	3.88	.67	.87	1.00
71°F (22°C)	1555	735	53.5	15.7	2.78	.46	.60	.74	51.0	14.9	3.12	.46	.61	.75	48.0	14.1	3.49	.47	.62	.78	45.0	13.2	3.90	.47	.64	.80
	1625	765	54.0	15.8	2.78	.46	.61	.75	51.0	14.9	3.12	.46	.62	.77	48.5	14.2	3.49	.47	.63	.79	45.5	13.3	3.91	.48	.65	.82
	1725	815	54.5	16.0	2.79	.46	.62	.76	52.0	15.2	3.12	.47	.63	.78	49.0	14.4	3.50	.47	.64	.81	46.0	13.5	3.91	.48	.66	.84

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-048] [CBX40UHV-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1090	515	39.9	11.7	2.20	37.1	10.9	2.18	34.2	10.0	2.15	31.3	9.2	2.13
1140	540	40.1	11.8	2.17	37.2	10.9	2.14	34.3	10.1	2.12	31.5	9.2	2.09
1205	570	40.4	11.8	2.12	37.5	11.0	2.10	34.7	10.2	2.07	31.8	9.3	2.05

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-048] [CBX40UHV-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1555	735	55.5	16.3	3.18	41.9	12.3	2.84	27.2	8.0	2.45	19.8	5.8	2.33	10.2	3.0	1.71
1625	765	55.8	16.4	3.15	42.1	12.3	2.82	27.5	8.1	2.43	20.1	5.9	2.30	10.5	3.1	1.68
1725	815	56.3	16.5	3.11	42.7	12.5	2.78	28.0	8.2	2.39	20.6	6.0	2.26	11.0	3.2	1.64

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume
XP19-048 with [CBX32MV-048] [CBX40UHV-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.15	55.8	16.4
60	16	3.09	52.7	15.4
55	13	3.03	49.7	14.6
50	10	2.96	46.7	13.7
47	8	2.92	44.9	13.2
45	7	2.82	42.1	12.3
40	4	2.55	35.2	10.3
35	2	2.28	28.3	8.3
30	-1	2.35	27.9	8.2
25	-4	2.43	27.5	8.1
20	-7	2.50	27.0	7.9
17	-8	2.55	26.8	7.9
15	-9	2.52	25.6	7.5
10	-12	2.46	22.6	6.6
5	-15	2.30	20.1	5.9
0	-18	2.15	17.7	5.2
-5	-21	1.99	15.3	4.5
-10	-23	1.84	12.9	3.8
-15	-26	1.68	10.5	3.1
-20	-29	1.53	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-060] [CBX40UHV-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1090	515	35.8	10.5	1.57	.77	.92	1.00	34.0	10.0	1.81	.79	.94	1.00	32.2	9.4	2.09	.81	.97	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1140	540	36.2	10.6	1.57	.78	.93	1.00	34.4	10.1	1.81	.80	.96	1.00	32.6	9.6	2.09	.82	.98	1.00	30.6	9.0	2.40	.85	1.00	1.00
	1205	570	36.8	10.8	1.56	.80	.95	1.00	35.0	10.3	1.81	.81	.97	1.00	33.0	9.7	2.08	.84	1.00	1.00	31.2	9.1	2.39	.87	1.00	1.00
67°F (19°C)	1090	515	38.0	11.1	1.56	.61	.75	.88	36.4	10.7	1.81	.62	.76	.90	34.4	10.1	2.08	.63	.78	.93	32.4	9.5	2.38	.64	.81	.96
	1140	540	38.5	11.3	1.56	.61	.76	.89	36.8	10.8	1.80	.62	.77	.92	34.8	10.2	2.07	.63	.79	.95	32.6	9.6	2.39	.65	.82	.98
	1205	570	39.0	11.4	1.56	.62	.77	.91	37.2	10.9	1.80	.63	.79	.94	35.2	10.3	2.07	.64	.81	.96	33.0	9.7	2.38	.66	.84	.99
71°F (22°C)	1090	515	40.5	11.9	1.55	.46	.59	.72	39.0	11.4	1.79	.46	.60	.73	36.8	10.8	2.06	.46	.61	.75	34.6	10.1	2.37	.47	.63	.78
	1140	540	41.0	12.0	1.55	.46	.60	.73	39.0	11.4	1.79	.46	.61	.74	37.2	10.9	2.06	.47	.62	.77	35.0	10.3	2.37	.47	.63	.79
	1205	570	41.5	12.2	1.55	.46	.60	.74	39.5	11.6	1.79	.47	.61	.76	37.6	11.0	2.06	.47	.63	.78	35.4	10.4	2.37	.48	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-060] [CBX40UHV-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1555	735	47.5	13.9	2.73	.78	.93	1.00	45.0	13.2	3.06	.80	.96	1.00	42.5	12.5	3.43	.82	.98	1.00	40.0	11.7	3.84	.86	1.00	1.00
	1625	765	48.0	14.1	2.73	.79	.95	1.00	45.5	13.3	3.06	.81	.97	1.00	43.0	12.6	3.44	.84	.99	1.00	40.5	11.9	3.85	.87	1.00	1.00
	1725	815	48.5	14.2	2.73	.81	.97	1.00	46.0	13.5	3.07	.83	.99	1.00	43.5	12.7	3.44	.85	1.00	1.00	41.5	12.2	3.86	.89	1.00	1.00
67°F (19°C)	1555	735	50.5	14.8	2.75	.61	.76	.90	48.0	14.1	3.09	.62	.78	.92	45.5	13.3	3.46	.64	.80	.95	42.5	12.5	3.87	.65	.83	.98
	1625	765	51.0	14.9	2.75	.62	.77	.91	48.5	14.2	3.09	.63	.79	.94	45.5	13.3	3.46	.64	.81	.97	43.0	12.6	3.88	.66	.84	.99
	1725	815	51.5	15.1	2.76	.63	.78	.93	49.0	14.4	3.10	.64	.80	.96	46.0	13.5	3.47	.65	.83	.98	43.5	12.7	3.88	.67	.86	1.00
71°F (22°C)	1555	735	53.5	15.7	2.78	.46	.60	.73	51.0	14.9	3.12	.47	.61	.75	48.0	14.1	3.49	.47	.62	.77	45.5	13.3	3.90	.47	.64	.80
	1625	765	54.0	15.8	2.78	.46	.61	.74	51.5	15.1	3.12	.47	.62	.76	48.5	14.2	3.50	.47	.63	.78	45.5	13.3	3.91	.48	.65	.81
	1725	815	54.5	16.0	2.79	.47	.61	.76	52.0	15.2	3.13	.47	.63	.78	49.0	14.4	3.50	.48	.64	.80	46.0	13.5	3.92	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-060] [CBX40UHV-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1090	515	39.8	11.7	2.24	36.9	10.8	2.21	34.1	10.0	2.18	31.2	9.1	2.15
1140	540	40.0	11.7	2.20	37.1	10.9	2.17	34.3	10.1	2.14	31.4	9.2	2.10
1205	570	40.3	11.8	2.14	37.4	11.0	2.11	34.6	10.1	2.08	31.7	9.3	2.05

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-060] [CBX40UHV-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1555	735	55.4	16.2	3.20	41.8	12.3	2.87	27.2	8.0	2.48	19.8	5.8	2.35	10.2	3.0	1.73
1625	765	55.6	16.3	3.17	42.0	12.3	2.84	27.4	8.0	2.44	20.1	5.9	2.32	10.4	3.0	1.69
1725	815	56.1	16.4	3.14	42.5	12.5	2.80	27.9	8.2	2.41	20.6	6.0	2.28	10.9	3.2	1.66

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume
XP19-048 with [CBX32MV-060] [CBX40UHV-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.17	55.6	16.3
60	16	3.11	52.6	15.4
55	13	3.05	49.6	14.5
50	10	2.98	46.6	13.7
47	8	2.94	44.8	13.1
45	7	2.84	42.0	12.3
40	4	2.57	35.1	10.3
35	2	2.30	28.3	8.3
30	-1	2.37	27.8	8.1
25	-4	2.44	27.4	8.0
20	-7	2.52	27.0	7.9
17	-8	2.56	26.7	7.8
15	-9	2.54	25.5	7.5
10	-12	2.47	22.5	6.6
5	-15	2.32	20.1	5.9
0	-18	2.16	17.7	5.2
-5	-21	2.01	15.3	4.5
-10	-23	1.85	12.8	3.8
-15	-26	1.69	10.4	3.0
-20	-29	1.54	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-068]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1050	495	35.6	10.4	1.57	.76	.90	1.00	33.8	9.9	1.82	.78	.93	1.00	32.2	9.4	2.10	.80	.95	1.00	30.2	8.9	2.42	.82	.99	1.00
	1185	560	36.6	10.7	1.57	.79	.94	1.00	35.0	10.3	1.82	.81	.96	1.00	33.0	9.7	2.09	.83	.99	1.00	31.4	9.2	2.41	.86	1.00	1.00
	1325	625	37.8	11.1	1.57	.82	.97	1.00	36.0	10.6	1.81	.84	1.00	1.00	34.2	10.0	2.08	.86	1.00	1.00	32.6	9.6	2.40	.89	1.00	1.00
67°F (19°C)	1050	495	38.0	11.1	1.57	.60	.73	.86	36.4	10.7	1.81	.61	.75	.88	34.6	10.1	2.08	.62	.77	.91	32.6	9.6	2.39	.63	.79	.94
	1185	560	39.0	11.4	1.56	.62	.76	.90	37.4	11.0	1.81	.63	.78	.92	35.4	10.4	2.08	.64	.81	.95	33.4	9.8	2.38	.66	.83	.99
	1325	625	40.0	11.7	1.56	.64	.78	.93	38.0	11.1	1.80	.65	.81	.96	36.2	10.6	2.07	.66	.83	.99	34.2	10.0	2.38	.68	.86	1.00
71°F (22°C)	1050	495	40.5	11.9	1.56	.46	.59	.71	39.0	11.4	1.80	.46	.59	.72	36.8	10.8	2.07	.47	.61	.74	34.8	10.2	2.38	.47	.62	.76
	1185	560	41.5	12.2	1.56	.47	.60	.73	40.0	11.7	1.80	.47	.62	.75	37.8	11.1	2.06	.48	.63	.77	35.8	10.5	2.37	.48	.64	.80
	1325	625	42.5	12.5	1.56	.48	.62	.76	41.0	12.0	1.80	.48	.63	.78	39.0	11.4	2.06	.49	.65	.80	36.6	10.7	2.37	.49	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CBX32MV-068]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1465	690	47.0	13.8	2.73	.77	.91	1.00	45.0	13.2	3.06	.79	.93	1.00	42.5	12.5	3.44	.81	.96	1.00	40.0	11.7	3.85	.83	.99	1.00
	1625	765	48.5	14.2	2.74	.79	.94	1.00	46.0	13.5	3.08	.81	.97	1.00	43.5	12.7	3.45	.84	.99	1.00	41.0	12.0	3.87	.86	1.00	1.00
	1840	870	50.0	14.7	2.75	.82	.98	1.00	47.5	13.9	3.09	.84	1.00	1.00	45.0	13.2	3.46	.87	1.00	1.00	42.5	12.5	3.88	.90	1.00	1.00
67°F (19°C)	1465	690	50.5	14.8	2.75	.61	.74	.87	48.0	14.1	3.09	.61	.75	.90	45.5	13.3	3.47	.63	.78	.92	42.5	12.5	3.88	.64	.81	.96
	1625	765	51.5	15.1	2.76	.62	.77	.90	49.0	14.4	3.10	.63	.78	.93	46.5	13.6	3.47	.65	.81	.96	43.5	12.7	3.89	.67	.83	.99
	1840	870	52.5	15.4	2.78	.64	.79	.94	50.0	14.7	3.12	.66	.82	.97	47.5	13.9	3.49	.67	.84	1.00	44.5	13.0	3.91	.69	.88	1.00
71°F (22°C)	1465	690	53.5	15.7	2.78	.47	.59	.72	51.0	14.9	3.12	.47	.60	.73	48.5	14.2	3.50	.47	.62	.75	45.5	13.3	3.92	.48	.63	.78
	1625	765	54.5	16.0	2.79	.47	.61	.74	52.0	15.2	3.13	.48	.62	.76	49.5	14.5	3.51	.48	.63	.78	46.5	13.6	3.93	.49	.65	.81
	1840	870	56.0	16.4	2.81	.48	.63	.77	53.5	15.7	3.15	.49	.64	.79	50.5	14.8	3.52	.50	.66	.82	47.5	13.9	3.94	.50	.68	.85

FIRST STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-068]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1050	495	39.2	11.5	2.41	36.3	10.6	2.38	33.4	9.8	2.35	30.5	8.9	2.32
1185	560	39.8	11.7	2.30	36.9	10.8	2.27	34.0	10.0	2.24	31.2	9.1	2.22
1325	625	40.3	11.8	2.21	37.4	11.0	2.18	34.6	10.1	2.15	31.7	9.3	2.12

SECOND STAGE HEATING CAPACITY - XP19-048 with [CBX32MV-068]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1465	690	53.9	15.8	3.45	40.5	11.9	3.08	26.0	7.6	2.65	18.8	5.5	2.50	9.5	2.8	1.85
1625	765	54.5	16.0	3.38	41.1	12.0	3.00	26.7	7.8	2.57	19.4	5.7	2.43	10.1	3.0	1.78
1840	870	55.3	16.2	3.28	41.8	12.3	2.91	27.4	8.0	2.48	20.2	5.9	2.33	10.9	3.2	1.68

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume
XP19-048 with [CBX32MV-068]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.38	54.5	16.0
60	16	3.30	51.5	15.1
55	13	3.23	48.5	14.2
50	10	3.16	45.6	13.4
47	8	3.12	43.8	12.8
45	7	3.00	41.1	12.0
40	4	2.71	34.3	10.1
35	2	2.43	27.6	8.1
30	-1	2.50	27.1	7.9
25	-4	2.57	26.7	7.8
20	-7	2.64	26.2	7.7
17	-8	2.69	25.9	7.6
15	-9	2.66	24.7	7.2
10	-12	2.59	21.8	6.4
5	-15	2.43	19.4	5.7
0	-18	2.26	17.1	5.0
-5	-21	2.10	14.8	4.3
-10	-23	1.94	12.4	3.6
-15	-26	1.78	10.1	3.0
-20	-29	1.61	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.2	10.3	1.57	.76	.90	1.00	33.6	9.8	1.82	.78	.93	1.00	31.8	9.3	2.09	.80	.96	1.00	29.8	8.7	2.41	.82	.99	1.00
	1200	565	36.0	10.6	1.57	.78	.93	1.00	34.2	10.0	1.81	.80	.95	1.00	32.4	9.5	2.09	.82	.98	1.00	30.6	9.0	2.40	.85	1.00	1.00
	1300	615	36.6	10.7	1.57	.80	.95	1.00	34.8	10.2	1.81	.82	.98	1.00	33.0	9.7	2.08	.84	1.00	1.00	31.4	9.2	2.39	.87	1.00	1.00
67°F (19°C)	1100	520	37.4	11.0	1.56	.60	.73	.86	35.8	10.5	1.81	.61	.75	.89	34.0	10.0	2.08	.62	.77	.91	32.0	9.4	2.39	.64	.79	.95
	1200	565	38.5	11.3	1.56	.61	.75	.89	36.6	10.7	1.81	.62	.77	.91	34.6	10.1	2.08	.64	.79	.94	32.6	9.6	2.38	.65	.82	.98
	1300	615	39.0	11.4	1.56	.62	.77	.91	37.2	10.9	1.80	.63	.79	.94	35.2	10.3	2.07	.64	.81	.97	33.0	9.7	2.38	.66	.84	1.00
71°F (22°C)	1100	520	39.5	11.6	1.56	.46	.59	.71	38.0	11.1	1.80	.46	.59	.72	36.2	10.6	2.06	.46	.61	.74	34.2	10.0	2.37	.47	.62	.76
	1200	565	40.5	11.9	1.55	.46	.60	.72	38.5	11.3	1.79	.46	.61	.74	36.8	10.8	2.06	.47	.62	.76	34.8	10.2	2.37	.47	.64	.79
	1300	615	41.5	12.2	1.55	.47	.61	.74	39.5	11.6	1.79	.47	.62	.76	37.4	11.0	2.06	.47	.63	.78	35.2	10.3	2.37	.48	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	45.5	13.3	2.71	.75	.88	1.00	43.5	12.7	3.05	.76	.90	1.00	41.0	12.0	3.41	.78	.93	1.00	38.5	11.3	3.82	.81	.97	1.00
	1600	755	47.0	13.8	2.72	.77	.92	1.00	45.0	13.2	3.06	.79	.94	1.00	42.5	12.5	3.43	.81	.97	1.00	39.5	11.6	3.84	.84	1.00	1.00
	1800	850	48.5	14.2	2.73	.80	.95	1.00	46.0	13.5	3.07	.82	.98	1.00	43.5	12.7	3.44	.84	1.00	1.00	41.0	12.0	3.86	.87	1.00	1.00
67°F (19°C)	1400	660	48.5	14.2	2.73	.59	.72	.85	46.0	13.5	3.07	.60	.74	.87	43.5	12.7	3.44	.61	.76	.89	41.0	12.0	3.85	.63	.78	.93
	1600	755	50.0	14.7	2.75	.61	.75	.88	47.5	13.9	3.08	.62	.76	.90	45.0	13.2	3.45	.63	.79	.93	42.0	12.3	3.87	.65	.81	.97
	1800	850	51.0	14.9	2.76	.62	.77	.91	48.5	14.2	3.10	.63	.79	.94	46.0	13.5	3.47	.65	.81	.97	43.0	12.6	3.88	.67	.85	1.00
71°F (22°C)	1400	660	51.5	15.1	2.76	.45	.58	.70	49.0	14.4	3.10	.46	.59	.71	46.5	13.6	3.47	.46	.60	.73	44.0	12.9	3.89	.47	.61	.75
	1600	755	53.0	15.5	2.77	.46	.59	.72	50.5	14.8	3.11	.46	.60	.74	48.0	14.1	3.49	.47	.62	.76	45.0	13.2	3.90	.47	.63	.78
	1800	850	54.0	15.8	2.78	.47	.61	.75	51.5	15.1	3.12	.47	.62	.76	49.0	14.4	3.50	.47	.64	.79	46.0	13.5	3.92	.49	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	39.8	11.7	2.40	37.0	10.8	2.37	34.2	10.0	2.35	31.3	9.2	2.32
1200	565	40.3	11.8	2.32	37.5	11.0	2.30	34.7	10.2	2.27	31.8	9.3	2.24
1300	615	40.8	12.0	2.26	37.9	11.1	2.23	35.1	10.3	2.21	32.3	9.5	2.18

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.1	15.9	3.54	40.8	12.0	3.16	26.6	7.8	2.72	19.5	5.7	2.58	9.7	2.8	1.92
1600	755	54.8	16.1	3.43	41.5	12.2	3.04	27.2	8.0	2.60	20.1	5.9	2.46	10.4	3.0	1.80
1800	850	55.4	16.2	3.33	42.1	12.3	2.95	27.9	8.2	2.51	20.8	6.1	2.37	11.1	3.3	1.71

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-49C-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.43	54.8	16.1
60	16	3.35	51.8	15.2
55	13	3.28	48.9	14.3
50	10	3.21	46.0	13.5
47	8	3.16	44.2	13.0
45	7	3.04	41.5	12.2
40	4	2.74	34.7	10.2
35	2	2.44	27.9	8.2
30	-1	2.52	27.6	8.1
25	-4	2.60	27.2	8.0
20	-7	2.68	26.9	7.9
17	-8	2.73	26.7	7.8
15	-9	2.70	25.5	7.5
10	-12	2.63	22.6	6.6
5	-15	2.46	20.1	5.9
0	-18	2.30	17.7	5.2
-5	-21	2.13	15.3	4.5
-10	-23	1.97	12.8	3.8
-15	-26	1.80	10.4	3.0
-20	-29	1.64	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-60D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.8	10.5	1.57	.77	.91	1.00	34.0	10.0	1.82	.79	.94	1.00	32.2	9.4	2.09	.81	.97	1.00	30.2	8.9	2.40	.84	1.00	1.00
	1200	565	36.4	10.7	1.57	.78	.94	1.00	34.6	10.1	1.81	.81	.97	1.00	32.8	9.6	2.08	.83	1.00	1.00	31.2	9.1	2.40	.86	1.00	1.00
	1300	615	37.2	10.9	1.56	.81	.97	1.00	35.4	10.4	1.81	.83	.99	1.00	33.6	9.8	2.08	.86	1.00	1.00	32.0	9.4	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.56	.60	.74	.87	36.4	10.7	1.81	.61	.76	.90	34.4	10.1	2.08	.62	.78	.93	32.4	9.5	2.39	.64	.80	.96
	1200	565	39.0	11.4	1.56	.61	.75	.90	37.0	10.8	1.80	.63	.78	.93	35.0	10.3	2.07	.64	.80	.96	33.0	9.7	2.38	.66	.83	.99
	1300	615	39.5	11.6	1.56	.63	.78	.93	37.8	11.1	1.80	.64	.80	.95	35.6	10.4	2.07	.65	.83	.99	33.4	9.8	2.38	.67	.86	1.00
71°F (22°C)	1100	520	41.0	12.0	1.56	.46	.59	.72	39.0	11.4	1.79	.46	.60	.72	37.0	10.8	2.06	.46	.61	.75	34.8	10.2	2.37	.47	.62	.78
	1200	565	41.5	12.2	1.55	.46	.60	.73	39.5	11.6	1.79	.46	.61	.75	37.8	11.1	2.06	.47	.62	.77	35.6	10.4	2.37	.47	.64	.80
	1300	615	42.5	12.5	1.55	.47	.61	.75	40.5	11.9	1.79	.47	.62	.77	38.5	11.3	2.06	.47	.64	.80	36.0	10.6	2.36	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-60D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.71	.76	.90	1.00	44.0	12.9	3.05	.77	.92	1.00	41.5	12.2	3.42	.79	.95	1.00	39.0	11.4	3.83	.82	.98	1.00
	1600	755	47.5	13.9	2.73	.78	.94	1.00	45.5	13.3	3.06	.81	.96	1.00	43.0	12.6	3.43	.83	.99	1.00	40.5	11.9	3.85	.86	1.00	1.00
	1800	850	49.0	14.4	2.74	.81	.97	1.00	46.5	13.6	3.07	.83	1.00	1.00	44.0	12.9	3.45	.86	1.00	1.00	41.5	12.2	3.86	.89	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.74	.60	.73	.86	47.0	13.8	3.08	.61	.75	.88	44.5	13.0	3.45	.62	.77	.91	41.5	12.2	3.86	.63	.79	.94
	1600	755	50.5	14.8	2.76	.61	.76	.90	48.5	14.2	3.09	.62	.78	.93	45.5	13.3	3.47	.64	.80	.95	42.5	12.5	3.88	.65	.83	.99
	1800	850	52.0	15.2	2.77	.63	.79	.94	49.5	14.5	3.10	.64	.81	.96	46.5	13.6	3.47	.66	.83	.99	43.5	12.7	3.88	.68	.87	1.00
71°F (22°C)	1400	660	52.5	15.4	2.77	.45	.58	.71	50.0	14.7	3.11	.46	.59	.72	47.5	13.9	3.48	.46	.60	.74	44.5	13.0	3.89	.46	.62	.76
	1600	755	54.0	15.8	2.78	.46	.60	.73	51.5	15.1	3.12	.46	.61	.75	48.5	14.2	3.50	.47	.62	.78	45.5	13.3	3.91	.48	.64	.80
	1800	850	55.5	16.3	2.80	.47	.62	.76	52.5	15.4	3.13	.47	.63	.78	50.0	14.7	3.51	.48	.65	.81	46.5	13.6	3.92	.49	.66	.84

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-60D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	40.2	11.8	2.32	37.3	10.9	2.31	34.5	10.1	2.29	31.6	9.3	2.28
1200	565	40.7	11.9	2.24	37.8	11.1	2.23	34.9	10.2	2.21	32.0	9.4	2.20
1300	615	41.1	12.0	2.19	38.2	11.2	2.17	35.4	10.4	2.16	32.5	9.5	2.14

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-60D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.5	16.0	3.43	41.1	12.0	3.08	26.6	7.8	2.67	19.4	5.7	2.54	9.7	2.8	1.89
1600	755	55.2	16.2	3.32	41.8	12.3	2.97	27.4	8.0	2.56	20.2	5.9	2.43	10.5	3.1	1.78
1800	850	55.9	16.4	3.23	42.5	12.5	2.88	28.0	8.2	2.47	20.8	6.1	2.35	11.1	3.3	1.69

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-060D-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.32	55.2	16.2
60	16	3.25	52.3	15.3
55	13	3.19	49.3	14.4
50	10	3.12	46.3	13.6
47	8	3.08	44.5	13.0
45	7	2.97	41.8	12.3
40	4	2.68	35.0	10.3
35	2	2.39	28.1	8.2
30	-1	2.47	27.7	8.1
25	-4	2.56	27.4	8.0
20	-7	2.64	27.0	7.9
17	-8	2.69	26.8	7.9
15	-9	2.66	25.6	7.5
10	-12	2.60	22.6	6.6
5	-15	2.43	20.2	5.9
0	-18	2.27	17.7	5.2
-5	-21	2.10	15.3	4.5
-10	-23	1.94	12.9	3.8
-15	-26	1.78	10.5	3.1
-20	-29	1.61	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	36.0	10.6	1.57	.77	.91	1.00	34.2	10.0	1.81	.79	.94	1.00	32.4	9.5	2.09	.81	.97	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1200	565	36.6	10.7	1.57	.79	.94	1.00	35.0	10.3	1.81	.81	.97	1.00	33.0	9.7	2.08	.83	1.00	1.00	31.4	9.2	2.39	.86	1.00	1.00
	1300	615	37.4	11.0	1.56	.81	.97	1.00	35.6	10.4	1.81	.83	.99	1.00	34.0	10.0	2.08	.86	1.00	1.00	32.2	9.4	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.56	.60	.74	.87	36.4	10.7	1.80	.61	.76	.90	34.6	10.1	2.07	.63	.78	.93	32.6	9.6	2.39	.64	.81	.96
	1200	565	39.0	11.4	1.56	.62	.76	.90	37.2	10.9	1.80	.63	.77	.93	35.2	10.3	2.07	.64	.81	.96	33.2	9.7	2.38	.66	.83	.99
	1300	615	40.0	11.7	1.56	.63	.78	.93	38.0	11.1	1.80	.64	.80	.96	36.0	10.6	2.07	.65	.83	.99	33.8	9.9	2.38	.67	.86	1.00
71°F (22°C)	1100	520	41.0	12.0	1.55	.45	.59	.71	39.0	11.4	1.79	.46	.60	.73	37.2	10.9	2.06	.46	.61	.75	35.0	10.3	2.37	.47	.63	.78
	1200	565	41.5	12.2	1.55	.46	.60	.73	40.0	11.7	1.79	.46	.61	.75	37.8	11.1	2.06	.47	.63	.78	35.8	10.5	2.37	.48	.64	.80
	1300	615	42.5	12.5	1.55	.47	.61	.75	40.5	11.9	1.79	.47	.63	.77	38.5	11.3	2.06	.48	.64	.80	36.4	10.7	2.36	.48	.66	.82

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.0	13.8	2.72	.76	.90	1.00	44.5	13.0	3.06	.77	.92	1.00	42.0	12.3	3.43	.79	.95	1.00	39.5	11.6	3.83	.82	.98	1.00
	1600	755	48.0	14.1	2.73	.79	.93	1.00	46.0	13.5	3.07	.81	.96	1.00	43.5	12.7	3.44	.83	.99	1.00	40.5	11.9	3.85	.86	1.00	1.00
	1800	850	49.5	14.5	2.74	.81	.97	1.00	47.0	13.8	3.08	.84	1.00	1.00	44.5	13.0	3.45	.86	1.00	1.00	42.0	12.3	3.87	.89	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.74	.60	.73	.86	47.5	13.9	3.08	.60	.75	.88	45.0	13.2	3.45	.62	.77	.91	42.0	12.3	3.87	.64	.79	.94
	1600	755	51.0	14.9	2.76	.61	.76	.90	48.5	14.2	3.10	.63	.78	.92	46.0	13.5	3.47	.64	.80	.96	43.0	12.6	3.88	.66	.83	.99
	1800	850	52.5	15.4	2.77	.63	.79	.94	50.0	14.7	3.11	.64	.81	.96	47.0	13.8	3.48	.66	.84	.99	44.0	12.9	3.89	.68	.87	1.00
71°F (22°C)	1400	660	53.0	15.5	2.77	.45	.58	.70	50.5	14.8	3.11	.46	.59	.72	47.5	13.9	3.49	.46	.60	.74	45.0	13.2	3.90	.47	.62	.76
	1600	755	54.5	16.0	2.79	.46	.60	.73	52.0	15.2	3.13	.47	.61	.75	49.0	14.4	3.50	.47	.62	.77	46.0	13.5	3.92	.48	.64	.80
	1800	850	55.5	16.3	2.80	.47	.62	.76	53.0	15.5	3.14	.47	.63	.78	50.0	14.7	3.51	.48	.65	.81	47.0	13.8	3.93	.49	.67	.84

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	40.2	11.8	2.31	37.3	10.9	2.30	34.5	10.1	2.28	31.6	9.3	2.26
1200	565	40.7	11.9	2.24	37.8	11.1	2.22	34.9	10.2	2.20	32.1	9.4	2.18
1300	615	41.1	12.0	2.18	38.3	11.2	2.16	35.4	10.4	2.14	32.5	9.5	2.12

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.5	16.0	3.41	41.1	12.0	3.07	26.6	7.8	2.66	19.4	5.7	2.55	9.7	2.8	1.89
1600	755	55.3	16.2	3.30	41.8	12.3	2.96	27.4	8.0	2.55	20.2	5.9	2.44	10.5	3.1	1.78
1800	850	55.9	16.4	3.21	42.5	12.5	2.87	28.0	8.2	2.47	20.8	6.1	2.35	11.1	3.3	1.69

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-62D-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.30	55.3	16.2
60	16	3.23	52.3	15.3
55	13	3.17	49.3	14.4
50	10	3.11	46.4	13.6
47	8	3.07	44.6	13.1
45	7	2.96	41.8	12.3
40	4	2.67	35.0	10.3
35	2	2.38	28.1	8.2
30	-1	2.47	27.8	8.1
25	-4	2.55	27.4	8.0
20	-7	2.64	27.0	7.9
17	-8	2.69	26.8	7.9
15	-9	2.66	25.6	7.5
10	-12	2.60	22.6	6.6
5	-15	2.44	20.2	5.9
0	-18	2.27	17.8	5.2
-5	-21	2.11	15.3	4.5
-10	-23	1.94	12.9	3.8
-15	-26	1.78	10.5	3.1
-20	-29	1.61	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1015	480	34.4	10.1	1.57	.75	.88	1.00	32.8	9.6	1.82	.76	.90	1.00	31.0	9.1	2.10	.78	.93	1.00	29.2	8.6	2.41	.80	.96	1.00
	1140	540	35.4	10.4	1.57	.77	.91	1.00	33.8	9.9	1.82	.79	.94	1.00	32.0	9.4	2.09	.81	.97	1.00	30.2	8.9	2.41	.83	1.00	1.00
	1285	605	36.6	10.7	1.57	.79	.95	1.00	34.8	10.2	1.81	.81	.98	1.00	33.0	9.7	2.09	.84	1.00	1.00	31.2	9.1	2.39	.87	1.00	1.00
67°F (19°C)	1015	480	36.6	10.7	1.57	.59	.72	.84	35.0	10.3	1.81	.60	.74	.86	33.2	9.7	2.08	.61	.75	.89	31.2	9.1	2.39	.62	.78	.92
	1140	540	37.8	11.1	1.56	.60	.74	.87	36.0	10.6	1.81	.61	.76	.90	34.2	10.0	2.08	.63	.78	.92	32.2	9.4	2.39	.64	.80	.96
	1285	605	39.0	11.4	1.56	.62	.77	.91	37.0	10.8	1.80	.63	.79	.93	35.2	10.3	2.07	.64	.81	.96	33.0	9.7	2.38	.66	.84	.99
71°F (22°C)	1015	480	39.0	11.4	1.56	.45	.58	.69	37.2	10.9	1.80	.46	.58	.71	35.6	10.4	2.07	.46	.59	.72	33.6	9.8	2.38	.46	.60	.75
	1140	540	40.0	11.7	1.56	.46	.59	.71	38.5	11.3	1.80	.46	.60	.73	36.4	10.7	2.06	.47	.61	.75	34.4	10.1	2.37	.47	.62	.77
	1285	605	41.5	12.2	1.55	.46	.61	.74	39.5	11.6	1.79	.47	.62	.76	37.4	11.0	2.06	.47	.63	.78	35.2	10.3	2.37	.48	.65	.80

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1460	690	46.0	13.5	2.71	.76	.89	1.00	44.0	12.9	3.05	.77	.92	1.00	41.5	12.2	3.42	.79	.94	1.00	39.0	11.4	3.83	.82	.98	1.00
	1635	770	47.5	13.9	2.72	.78	.92	1.00	45.0	13.2	3.06	.79	.95	1.00	42.5	12.5	3.43	.82	.98	1.00	40.0	11.7	3.84	.85	1.00	1.00
	1845	870	48.5	14.2	2.74	.80	.96	1.00	46.0	13.5	3.07	.82	.98	1.00	43.5	12.7	3.44	.85	1.00	1.00	41.0	12.0	3.86	.88	1.00	1.00
67°F (19°C)	1460	690	49.0	14.4	2.74	.60	.73	.85	46.5	13.6	3.07	.61	.75	.88	44.0	12.9	3.45	.62	.77	.91	41.5	12.2	3.86	.63	.79	.94
	1635	770	50.0	14.7	2.75	.61	.75	.88	47.5	13.9	3.08	.62	.77	.91	45.0	13.2	3.46	.63	.79	.94	42.5	12.5	3.87	.65	.82	.98
	1845	870	51.5	15.1	2.76	.63	.78	.92	49.0	14.4	3.10	.64	.80	.95	46.0	13.5	3.47	.65	.82	.98	43.5	12.7	3.88	.67	.85	1.00
71°F (22°C)	1460	690	52.0	15.2	2.77	.46	.58	.70	49.5	14.5	3.10	.46	.59	.72	47.0	13.8	3.48	.46	.60	.74	44.0	12.9	3.89	.47	.62	.76
	1635	770	53.0	15.5	2.78	.46	.60	.73	50.5	14.8	3.11	.47	.61	.74	48.0	14.1	3.49	.47	.62	.76	45.0	13.2	3.90	.48	.64	.79
	1845	870	54.0	15.8	2.78	.47	.61	.75	51.5	15.1	3.12	.47	.63	.77	49.0	14.4	3.50	.48	.64	.79	46.0	13.5	3.92	.49	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1015	480	38.5	11.3	2.48	35.7	10.5	2.45	32.8	9.6	2.42	30.0	8.8	2.39
1140	540	39.2	11.5	2.38	36.4	10.7	2.35	33.6	9.8	2.32	30.8	9.0	2.28
1285	605	39.8	11.7	2.27	37.0	10.8	2.24	34.2	10.0	2.20	31.4	9.2	2.17

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1460	690	53.7	15.7	3.50	40.4	11.8	3.12	26.1	7.6	2.69	19.0	5.6	2.55	9.5	2.8	1.89
1635	770	54.4	15.9	3.40	41.2	12.1	3.03	26.9	7.9	2.59	19.8	5.8	2.46	10.3	3.0	1.80
1845	870	55.2	16.2	3.31	42.0	12.3	2.93	27.7	8.1	2.50	20.6	6.0	2.36	11.1	3.3	1.70

HEATING PERFORMANCE at 1635 cfm (770 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-49C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.40	54.4	15.9
60	16	3.33	51.5	15.1
55	13	3.26	48.6	14.2
50	10	3.19	45.6	13.4
47	8	3.15	43.9	12.9
45	7	3.03	41.2	12.1
40	4	2.73	34.4	10.1
35	2	2.44	27.7	8.1
30	-1	2.52	27.3	8.0
25	-4	2.59	26.9	7.9
20	-7	2.67	26.5	7.8
17	-8	2.72	26.3	7.7
15	-9	2.69	25.1	7.4
10	-12	2.62	22.1	6.5
5	-15	2.46	19.8	5.8
0	-18	2.29	17.4	5.1
-5	-21	2.13	15.0	4.4
-10	-23	1.96	12.6	3.7
-15	-26	1.80	10.3	3.0
-20	-29	1.63	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	960	455	34.0	10.0	1.58	.74	.87	.99	32.4	9.5	1.83	.75	.89	1.00	30.6	9.0	2.10	.77	.92	1.00	28.8	8.4	2.41	.79	.95	1.00
	1105	520	35.2	10.3	1.57	.76	.90	1.00	33.6	9.8	1.82	.78	.93	1.00	31.8	9.3	2.09	.80	.96	1.00	30.0	8.8	2.41	.83	.99	1.00
	1215	575	36.0	10.6	1.57	.78	.93	1.00	34.4	10.1	1.81	.80	.96	1.00	32.6	9.6	2.09	.82	.99	1.00	30.6	9.0	2.40	.85	1.00	1.00
67°F (19°C)	960	455	36.2	10.6	1.57	.59	.71	.83	34.6	10.1	1.81	.60	.73	.85	32.8	9.6	2.09	.61	.74	.87	30.8	9.0	2.40	.62	.76	.90
	1105	520	37.4	11.0	1.56	.60	.74	.86	35.8	10.5	1.81	.61	.75	.89	34.0	10.0	2.08	.62	.77	.91	32.0	9.4	2.39	.63	.79	.95
	1215	575	38.5	11.3	1.56	.61	.75	.89	36.6	10.7	1.80	.62	.77	.92	34.8	10.2	2.08	.64	.79	.94	32.6	9.6	2.39	.65	.82	.98
71°F (22°C)	960	455	38.5	11.3	1.56	.45	.57	.69	36.8	10.8	1.80	.45	.58	.70	35.0	10.3	2.07	.46	.59	.71	33.2	9.7	2.38	.46	.60	.73
	1105	520	40.0	11.7	1.56	.46	.59	.71	38.0	11.1	1.80	.46	.59	.72	36.2	10.6	2.06	.46	.61	.74	34.2	10.0	2.37	.47	.62	.76
	1215	575	40.5	11.9	1.55	.46	.60	.73	39.0	11.4	1.79	.47	.61	.74	37.0	10.8	2.06	.47	.62	.76	35.0	10.3	2.37	.47	.64	.79

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1380	650	45.5	13.3	2.71	.75	.88	1.00	43.5	12.7	3.04	.76	.90	1.00	41.0	12.0	3.41	.78	.93	1.00	38.5	11.3	3.83	.80	.96	1.00
	1605	760	47.0	13.8	2.72	.77	.92	1.00	45.0	13.2	3.06	.79	.94	1.00	42.5	12.5	3.43	.81	.97	1.00	39.5	11.6	3.84	.84	1.00	1.00
	1755	830	48.0	14.1	2.73	.79	.94	1.00	45.5	13.3	3.07	.81	.97	1.00	43.0	12.6	3.44	.83	1.00	1.00	40.5	11.9	3.85	.87	1.00	1.00
67°F (19°C)	1380	650	48.0	14.1	2.73	.59	.72	.84	46.0	13.5	3.07	.60	.74	.86	43.5	12.7	3.44	.61	.75	.89	41.0	12.0	3.85	.62	.78	.92
	1605	760	50.0	14.7	2.75	.61	.75	.88	47.5	13.9	3.08	.62	.76	.91	45.0	13.2	3.45	.63	.79	.94	42.0	12.3	3.87	.65	.81	.97
	1755	830	51.0	14.9	2.76	.62	.76	.91	48.5	14.2	3.09	.63	.78	.93	46.0	13.5	3.47	.65	.81	.97	43.0	12.6	3.88	.66	.84	1.00
71°F (22°C)	1380	650	51.5	15.1	2.76	.45	.58	.69	49.0	14.4	3.10	.45	.58	.71	46.5	13.6	3.47	.46	.60	.73	43.5	12.7	3.89	.46	.61	.75
	1605	760	53.0	15.5	2.77	.46	.59	.72	50.5	14.8	3.11	.46	.60	.74	48.0	14.1	3.49	.47	.62	.76	45.0	13.2	3.91	.47	.64	.79
	1755	830	54.0	15.8	2.78	.47	.61	.74	51.5	15.1	3.12	.47	.62	.76	48.5	14.2	3.50	.47	.63	.78	45.5	13.3	3.91	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1105	520	39.5	11.6	2.37	36.8	10.8	2.34	34.1	10.0	2.30	31.3	9.2	2.27
1325	625	39.7	11.6	2.22	37.0	10.8	2.19	34.3	10.1	2.15	31.6	9.3	2.12

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1605	760	54.8	16.1	3.42	41.5	12.2	3.04	27.3	8.0	2.60	20.2	5.9	2.46	10.6	3.1	1.80
1825	860	54.0	15.8	3.32	40.8	12.0	2.94	26.5	7.8	2.50	19.4	5.7	2.36	9.8	2.9	1.70

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-49C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.42	54.5	16.0
60	16	3.35	51.6	15.1
55	13	3.28	48.6	14.2
50	10	3.20	45.7	13.4
47	8	3.16	44.0	12.9
45	7	3.04	41.3	12.1
40	4	2.74	34.5	10.1
35	2	2.45	27.7	8.1
30	-1	2.52	27.4	8.0
25	-4	2.60	27.0	7.9
20	-7	2.68	26.6	7.8
17	-8	2.73	26.4	7.7
15	-9	2.70	25.2	7.4
10	-12	2.63	22.3	6.5
5	-15	2.46	19.9	5.8
0	-18	2.30	17.5	5.1
-5	-21	2.13	15.1	4.4
-10	-23	1.97	12.7	3.7
-15	-26	1.80	10.3	3.0
-20	-29	1.64	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	32.2	9.4	1.58	.71	.83	.94	30.6	9.0	1.83	.72	.85	.97	29.2	8.6	2.11	.74	.87	.99	27.6	8.1	2.43	.76	.90	1.00
	920	435	33.6	9.8	1.58	.73	.86	.98	32.0	9.4	1.83	.75	.88	1.00	30.4	8.9	2.10	.76	.90	1.00	28.6	8.4	2.42	.78	.93	1.00
	1045	495	34.6	10.1	1.57	.75	.89	1.00	33.0	9.7	1.82	.77	.91	1.00	31.4	9.2	2.10	.79	.94	1.00	29.4	8.6	2.41	.81	.97	1.00
67°F (19°C)	800	380	34.2	10.0	1.57	.57	.69	.79	32.6	9.6	1.82	.58	.70	.81	31.2	9.1	2.10	.59	.71	.83	29.4	8.6	2.41	.60	.73	.85
	920	435	35.8	10.5	1.57	.58	.71	.82	34.0	10.0	1.82	.59	.72	.84	32.4	9.5	2.09	.60	.74	.86	30.6	9.0	2.40	.61	.75	.89
	1045	495	37.0	10.8	1.56	.60	.73	.85	35.2	10.3	1.81	.60	.74	.87	33.4	9.8	2.08	.61	.76	.90	31.6	9.3	2.39	.63	.78	.93
71°F (22°C)	800	380	36.6	10.7	1.57	.45	.55	.66	35.0	10.3	1.81	.45	.56	.67	33.4	9.8	2.08	.45	.57	.68	31.6	9.3	2.39	.45	.58	.70
	920	435	38.0	11.1	1.56	.45	.57	.68	36.4	10.7	1.80	.45	.57	.69	34.8	10.2	2.08	.45	.58	.71	32.8	9.6	2.38	.46	.59	.73
	1045	495	39.5	11.6	1.56	.45	.58	.70	37.6	11.0	1.80	.46	.59	.71	35.8	10.5	2.07	.46	.60	.73	33.8	9.9	2.37	.47	.61	.75

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1405	665	45.5	13.3	2.71	.75	.88	1.00	43.5	12.7	3.05	.76	.91	1.00	41.0	12.0	3.41	.78	.93	1.00	38.5	11.3	3.82	.81	.97	1.00
	1605	760	47.0	13.8	2.72	.77	.92	1.00	45.0	13.2	3.06	.79	.94	1.00	42.5	12.5	3.43	.81	.97	1.00	39.5	11.6	3.84	.84	1.00	1.00
	1790	845	48.5	14.2	2.73	.80	.95	1.00	46.0	13.5	3.07	.82	.98	1.00	43.5	12.7	3.44	.84	1.00	1.00	41.0	12.0	3.86	.87	1.00	1.00
67°F (19°C)	1405	665	48.5	14.2	2.73	.59	.72	.85	46.0	13.5	3.07	.60	.74	.87	43.5	12.7	3.44	.61	.76	.89	41.0	12.0	3.85	.63	.78	.93
	1605	760	50.0	14.7	2.75	.61	.75	.88	47.5	13.9	3.08	.62	.76	.91	45.0	13.2	3.45	.63	.79	.94	42.0	12.3	3.87	.65	.81	.97
	1790	845	51.0	14.9	2.76	.62	.77	.91	48.5	14.2	3.10	.63	.79	.94	46.0	13.5	3.47	.65	.81	.97	43.0	12.6	3.88	.67	.84	1.00
71°F (22°C)	1405	665	51.5	15.1	2.76	.45	.58	.70	49.0	14.4	3.10	.46	.59	.71	46.5	13.6	3.47	.46	.60	.73	44.0	12.9	3.89	.47	.61	.75
	1605	760	53.0	15.5	2.77	.46	.59	.72	50.5	14.8	3.11	.46	.60	.74	48.0	14.1	3.49	.47	.62	.76	45.0	13.2	3.91	.47	.64	.79
	1790	845	54.0	15.8	2.78	.47	.61	.74	51.5	15.1	3.12	.47	.62	.76	48.5	14.2	3.50	.47	.64	.79	45.5	13.3	3.92	.48	.65	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
800	380	37.1	10.9	2.78	34.5	10.1	2.74	31.8	9.3	2.69	29.2	8.6	2.65
920	435	37.9	11.1	2.59	35.2	10.3	2.55	32.6	9.6	2.51	30.0	8.8	2.47
1045	495	38.6	11.3	2.45	35.9	10.5	2.41	33.3	9.8	2.37	30.7	9.0	2.33

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1405	660	53.6	15.7	3.53	40.3	11.8	3.16	26.1	7.6	2.72	19.0	5.6	2.58	9.4	2.8	1.92
1605	760	54.5	16.0	3.42	41.2	12.1	3.04	27.0	7.9	2.60	19.9	5.8	2.46	10.3	3.0	1.80
1790	845	55.2	16.2	3.33	42.0	12.3	2.95	27.7	8.1	2.52	20.6	6.0	2.37	11.0	3.2	1.72

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-49C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.42	54.5	16.0
60	16	3.35	51.6	15.1
55	13	3.28	48.6	14.2
50	10	3.20	45.7	13.4
47	8	3.16	43.9	12.9
45	7	3.04	41.2	12.1
40	4	2.74	34.5	10.1
35	2	2.45	27.7	8.1
30	-1	2.52	27.4	8.0
25	-4	2.60	27.0	7.9
20	-7	2.68	26.6	7.8
17	-8	2.73	26.4	7.7
15	-9	2.70	25.2	7.4
10	-12	2.63	22.3	6.5
5	-15	2.46	19.9	5.8
0	-18	2.30	17.5	5.1
-5	-21	2.13	15.1	4.4
-10	-23	1.97	12.7	3.7
-15	-26	1.80	10.3	3.0
-20	-29	1.64	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.8	10.2	1.57	.75	.88	1.00	33.0	9.7	1.82	.76	.90	1.00	31.4	9.2	2.10	.78	.93	1.00	29.6	8.7	2.41	.80	.96	1.00
	1100	520	36.0	10.6	1.57	.77	.91	1.00	34.2	10.0	1.81	.79	.94	1.00	32.4	9.5	2.09	.81	.97	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1205	570	36.8	10.8	1.57	.79	.94	1.00	35.0	10.3	1.81	.81	.97	1.00	33.0	9.7	2.08	.84	1.00	1.00	31.4	9.2	2.39	.87	1.00	1.00
67°F (19°C)	970	460	37.0	10.8	1.56	.58	.72	.84	35.4	10.4	1.81	.60	.73	.86	33.6	9.8	2.08	.61	.75	.89	31.8	9.3	2.39	.62	.77	.92
	1100	520	38.0	11.1	1.56	.60	.74	.87	36.4	10.7	1.80	.61	.76	.90	34.6	10.1	2.07	.63	.78	.93	32.6	9.6	2.39	.64	.81	.96
	1205	570	39.0	11.4	1.56	.62	.76	.90	37.2	10.9	1.80	.63	.77	.93	35.4	10.4	2.07	.64	.80	.96	33.2	9.7	2.38	.66	.84	.99
71°F (22°C)	970	460	39.5	11.6	1.56	.45	.57	.69	37.8	11.1	1.80	.45	.58	.71	36.0	10.6	2.07	.45	.59	.72	34.0	10.0	2.37	.46	.61	.74
	1100	520	41.0	12.0	1.55	.45	.59	.71	39.0	11.4	1.79	.46	.60	.73	37.2	10.9	2.06	.46	.61	.75	35.0	10.3	2.37	.47	.63	.78
	1205	570	42.0	12.3	1.55	.46	.60	.73	40.0	11.7	1.79	.47	.61	.75	38.0	11.1	2.06	.47	.63	.78	35.8	10.5	2.36	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1370	645	46.5	13.6	2.72	.75	.89	1.00	44.0	12.9	3.05	.77	.91	1.00	42.0	12.3	3.42	.79	.94	1.00	39.0	11.4	3.83	.81	.98	1.00
	1575	745	48.0	14.1	2.73	.78	.93	1.00	45.5	13.3	3.07	.80	.96	1.00	43.0	12.6	3.43	.83	.99	1.00	40.5	11.9	3.85	.85	1.00	1.00
	1745	825	49.0	14.4	2.74	.80	.96	1.00	46.5	13.6	3.07	.83	.99	1.00	44.0	12.9	3.45	.85	1.00	1.00	42.0	12.3	3.87	.88	1.00	1.00
67°F (19°C)	1370	645	49.5	14.5	2.74	.60	.73	.85	47.0	13.8	3.08	.60	.74	.87	44.5	13.0	3.45	.62	.76	.90	42.0	12.3	3.87	.63	.79	.94
	1575	745	51.0	14.9	2.75	.61	.76	.89	48.5	14.2	3.09	.62	.77	.92	46.0	13.5	3.46	.64	.80	.95	43.0	12.6	3.88	.65	.83	.98
	1745	825	52.0	15.2	2.77	.63	.78	.93	49.5	14.5	3.10	.64	.80	.95	47.0	13.8	3.48	.65	.83	.98	44.0	12.9	3.89	.67	.86	1.00
71°F (22°C)	1370	645	52.5	15.4	2.77	.45	.58	.70	50.0	14.7	3.11	.46	.59	.72	47.5	13.9	3.48	.46	.60	.73	44.5	13.0	3.90	.47	.62	.76
	1575	745	54.0	15.8	2.79	.46	.60	.73	51.5	15.1	3.13	.46	.61	.75	49.0	14.4	3.50	.47	.62	.77	46.0	13.5	3.91	.48	.64	.80
	1745	825	55.5	16.3	2.80	.47	.61	.75	52.5	15.4	3.14	.47	.62	.77	50.0	14.7	3.51	.48	.64	.80	47.0	13.8	3.93	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
970	460	38.6	11.3	2.44	35.7	10.5	2.42	32.9	9.6	2.39	30.1	8.8	2.37
1100	520	39.3	11.5	2.32	36.5	10.7	2.29	33.6	9.8	2.27	30.8	9.0	2.25
1205	570	39.8	11.7	2.24	37.0	10.8	2.21	34.1	10.0	2.19	31.3	9.2	2.16

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1368	645	53.9	15.8	3.43	40.5	11.9	3.09	26.1	7.6	2.68	18.9	5.5	2.56	9.6	2.8	1.90
1575	745	54.4	15.9	3.31	41.1	12.0	2.97	26.6	7.8	2.56	19.5	5.7	2.44	10.1	3.0	1.78
1745	825	55.1	16.1	3.24	41.7	12.2	2.89	27.3	8.0	2.49	20.1	5.9	2.37	10.8	3.2	1.71

HEATING PERFORMANCE at 1575 cfm (745 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-62D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.31	54.4	15.9
60	16	3.25	51.5	15.1
55	13	3.19	48.5	14.2
50	10	3.12	45.5	13.3
47	8	3.08	43.8	12.8
45	7	2.97	41.1	12.0
40	4	2.68	34.3	10.1
35	2	2.39	27.5	8.1
30	-1	2.47	27.1	7.9
25	-4	2.56	26.6	7.8
20	-7	2.64	26.2	7.7
17	-8	2.70	26.0	7.6
15	-9	2.67	24.8	7.3
10	-12	2.61	21.8	6.4
5	-15	2.44	19.5	5.7
0	-18	2.28	17.1	5.0
-5	-21	2.11	14.8	4.3
-10	-23	1.95	12.5	3.7
-15	-26	1.78	10.1	3.0
-20	-29	1.62	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	985	465	34.8	10.2	1.57	.75	.88	1.00	33.2	9.7	1.82	.76	.91	1.00	31.4	9.2	2.09	.78	.93	1.00	29.6	8.7	2.41	.81	.97	1.00
	1135	535	36.2	10.6	1.57	.78	.92	1.00	34.4	10.1	1.81	.80	.95	1.00	32.6	9.6	2.09	.82	.98	1.00	30.6	9.0	2.40	.85	1.00	1.00
	1235	585	37.0	10.8	1.56	.80	.95	1.00	35.2	10.3	1.81	.82	.98	1.00	33.4	9.8	2.08	.84	1.00	1.00	31.6	9.3	2.39	.87	1.00	1.00
67°F (19°C)	985	465	37.2	10.9	1.56	.59	.72	.84	35.6	10.4	1.81	.60	.74	.87	33.8	9.9	2.08	.61	.75	.89	31.8	9.3	2.39	.63	.78	.92
	1135	535	38.5	11.3	1.56	.61	.75	.88	36.8	10.8	1.80	.62	.77	.91	34.8	10.2	2.07	.63	.79	.94	32.8	9.6	2.39	.65	.82	.98
	1235	585	39.5	11.6	1.56	.62	.77	.91	37.6	11.0	1.80	.63	.79	.94	35.6	10.4	2.07	.65	.81	.97	33.4	9.8	2.38	.66	.84	1.00
71°F (22°C)	985	465	39.5	11.6	1.56	.45	.58	.70	38.0	11.1	1.80	.45	.58	.71	36.2	10.6	2.07	.46	.59	.72	34.2	10.0	2.37	.46	.61	.75
	1135	535	41.0	12.0	1.55	.45	.59	.72	39.5	11.6	1.79	.46	.60	.74	37.4	11.0	2.06	.47	.62	.76	35.2	10.3	2.37	.47	.63	.79
	1235	585	42.0	12.3	1.55	.46	.60	.74	40.0	11.7	1.79	.46	.62	.75	38.0	11.1	2.06	.47	.63	.78	36.0	10.6	2.36	.48	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.0	13.8	2.72	.76	.90	1.00	44.5	13.0	3.06	.77	.92	1.00	42.0	12.3	3.43	.79	.95	1.00	39.5	11.6	3.83	.82	.98	1.00
	1615	760	48.5	14.2	2.73	.79	.94	1.00	46.0	13.5	3.07	.81	.97	1.00	43.5	12.7	3.44	.83	.99	1.00	41.0	12.0	3.86	.86	1.00	1.00
	1780	840	49.5	14.5	2.74	.81	.97	1.00	47.0	13.8	3.08	.83	.99	1.00	44.5	13.0	3.45	.86	1.00	1.00	42.0	12.3	3.87	.89	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.75	.60	.73	.86	47.5	13.9	3.08	.60	.75	.88	45.0	13.2	3.45	.62	.77	.91	42.0	12.3	3.87	.63	.79	.94
	1615	760	51.0	14.9	2.76	.61	.76	.90	48.5	14.2	3.10	.63	.78	.93	46.0	13.5	3.47	.64	.81	.96	43.0	12.6	3.88	.66	.83	.99
	1780	840	52.5	15.4	2.77	.63	.78	.93	49.5	14.5	3.10	.64	.81	.96	47.0	13.8	3.48	.66	.83	.99	44.0	12.9	3.89	.68	.86	1.00
71°F (22°C)	1400	660	53.0	15.5	2.77	.45	.58	.70	50.5	14.8	3.11	.46	.59	.72	47.5	13.9	3.49	.46	.60	.74	45.0	13.2	3.90	.47	.62	.76
	1615	760	54.5	16.0	2.79	.46	.60	.74	52.0	15.2	3.13	.47	.61	.75	49.0	14.4	3.50	.47	.63	.78	46.0	13.5	3.92	.48	.64	.81
	1780	840	55.5	16.3	2.80	.47	.62	.76	53.0	15.5	3.14	.47	.63	.78	50.0	14.7	3.51	.48	.64	.80	47.0	13.8	3.93	.49	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
985	465	38.6	11.3	2.45	35.8	10.5	2.42	32.9	9.6	2.40	30.1	8.8	2.38
1135	535	39.6	11.6	2.29	36.7	10.8	2.27	33.8	9.9	2.25	31.0	9.1	2.22
1235	585	40.0	11.7	2.22	37.1	10.9	2.19	34.3	10.1	2.17	31.4	9.2	2.15

SECOND STAGE HEATING CAPACITY - XP19-048 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1400	660	53.8	15.8	3.40	40.4	11.8	3.06	26.0	7.6	2.67	18.8	5.5	2.55	9.3	2.7	1.89
1615	760	54.7	16.0	3.29	41.3	12.1	2.95	26.9	7.9	2.55	19.7	5.8	2.43	10.2	3.0	1.78
1780	840	55.4	16.2	3.22	42.0	12.3	2.88	27.6	8.1	2.48	20.4	6.0	2.37	10.9	3.2	1.71

HEATING PERFORMANCE at 1615 cfm (760 L/s) Indoor Coil Air Volume
XP19-048 with [CX34-62D-6F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.29	54.7	16.0
60	16	3.22	51.8	15.2
55	13	3.16	48.8	14.3
50	10	3.10	45.8	13.4
47	8	3.06	44.0	12.9
45	7	2.95	41.3	12.1
40	4	2.66	34.5	10.1
35	2	2.38	27.7	8.1
30	-1	2.46	27.3	8.0
25	-4	2.55	26.9	7.9
20	-7	2.63	26.5	7.8
17	-8	2.69	26.2	7.7
15	-9	2.66	25.0	7.3
10	-12	2.60	22.1	6.5
5	-15	2.43	19.7	5.8
0	-18	2.27	17.3	5.1
-5	-21	2.11	15.0	4.4
-10	-23	1.94	12.6	3.7
-15	-26	1.78	10.2	3.0
-20	-29	1.61	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CR33-50/60C-F] [CR33-60D-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.6	10.4	1.57	.77	.92	1.00	34.0	10.0	1.82	.79	.95	1.00	32.2	9.4	2.09	.81	.97	1.00	30.2	8.9	2.40	.84	1.00	1.00
	1200	565	36.4	10.7	1.56	.79	.95	1.00	34.8	10.2	1.81	.81	.97	1.00	32.8	9.6	2.09	.84	1.00	1.00	31.0	9.1	2.40	.87	1.00	1.00
	1300	615	37.0	10.8	1.56	.81	.97	1.00	35.4	10.4	1.81	.84	.99	1.00	33.6	9.8	2.08	.86	1.00	1.00	31.8	9.3	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.56	.60	.75	.88	36.6	10.7	1.80	.61	.76	.91	34.4	10.1	2.08	.62	.78	.94	32.4	9.5	2.38	.64	.81	.97
	1200	565	39.0	11.4	1.56	.62	.77	.91	37.2	10.9	1.80	.63	.79	.94	35.2	10.3	2.07	.64	.81	.96	33.0	9.7	2.38	.66	.83	.99
	1300	615	39.5	11.6	1.56	.63	.79	.94	37.8	11.1	1.80	.64	.81	.96	35.8	10.5	2.07	.65	.83	.99	33.6	9.8	2.38	.67	.86	1.00
71°F (22°C)	1100	520	40.5	11.9	1.56	.45	.59	.72	39.0	11.4	1.79	.46	.60	.74	36.8	10.8	2.06	.46	.61	.75	34.6	10.1	2.37	.46	.62	.78
	1200	565	41.5	12.2	1.55	.45	.60	.74	39.5	11.6	1.79	.46	.61	.76	37.6	11.0	2.06	.46	.62	.78	35.4	10.4	2.37	.47	.64	.80
	1300	615	42.0	12.3	1.55	.46	.62	.76	40.5	11.9	1.79	.47	.63	.78	38.0	11.1	2.06	.47	.64	.80	36.0	10.6	2.36	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CR33-50/60C-F] [CR33-60D-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.0	13.5	2.71	.76	.91	1.00	44.0	12.9	3.05	.78	.93	1.00	41.5	12.2	3.42	.80	.96	1.00	38.5	11.3	3.83	.83	.99	1.00
	1600	755	47.5	13.9	2.72	.79	.94	1.00	45.0	13.2	3.06	.81	.97	1.00	42.5	12.5	3.43	.83	.99	1.00	40.0	11.7	3.84	.86	1.00	1.00
	1800	850	48.5	14.2	2.73	.82	.98	1.00	46.0	13.5	3.07	.84	.99	1.00	44.0	12.9	3.44	.87	1.00	1.00	41.5	12.2	3.86	.90	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.74	.60	.74	.87	46.5	13.6	3.08	.61	.75	.89	44.0	12.9	3.45	.62	.77	.92	41.5	12.2	3.86	.63	.80	.95
	1600	755	50.5	14.8	2.75	.62	.77	.91	48.0	14.1	3.09	.63	.79	.94	45.5	13.3	3.46	.64	.81	.96	42.5	12.5	3.87	.66	.84	.99
	1800	850	51.5	15.1	2.76	.64	.80	.95	49.0	14.4	3.10	.65	.82	.97	46.5	13.6	3.47	.66	.84	.99	43.5	12.7	3.88	.68	.87	1.00
71°F (22°C)	1400	660	52.0	15.2	2.76	.45	.58	.71	49.5	14.5	3.10	.45	.59	.73	47.0	13.8	3.48	.46	.60	.75	44.0	12.9	3.89	.46	.62	.77
	1600	755	53.5	15.7	2.78	.46	.60	.74	51.0	14.9	3.12	.46	.61	.76	48.0	14.1	3.49	.47	.63	.78	45.0	13.2	3.91	.47	.64	.81
	1800	850	54.5	16.0	2.79	.47	.62	.77	52.0	15.2	3.13	.47	.64	.79	49.5	14.5	3.51	.47	.65	.81	46.0	13.5	3.92	.48	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-048 with [CR33-50/60C-F] [CR33-60D-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	40.8	12.0	2.21	37.9	11.1	2.18	35.1	10.3	2.16	32.2	9.4	2.13
1200	565	41.2	12.1	2.14	38.3	11.2	2.11	35.4	10.4	2.09	32.5	9.5	2.06
1300	615	41.6	12.2	2.08	38.7	11.3	2.06	35.9	10.5	2.03	33.0	9.7	2.00

SECOND STAGE HEATING CAPACITY - XP19-048 with [CR33-50/60C-F] [CR33-60D-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	55.2	16.2	3.29	41.7	12.2	2.94	27.0	7.9	2.54	19.7	5.8	2.40	9.9	2.9	1.78
1600	755	56.0	16.4	3.19	42.4	12.4	2.84	27.8	8.1	2.44	20.5	6.0	2.30	10.6	3.1	1.68
1800	850	56.6	16.6	3.11	43.0	12.6	2.76	28.4	8.3	2.36	21.1	6.2	2.22	11.2	3.3	1.61

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CR33-50/60C-F] [CR33-60D-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	56.0	16.4
60	16	3.12	53.0	15.5
55	13	3.05	50.0	14.7
50	10	2.99	46.9	13.7
47	8	2.95	45.1	13.2
45	7	2.84	42.4	12.4
40	4	2.57	35.5	10.4
35	2	2.30	28.6	8.4
30	-1	2.37	28.2	8.3
25	-4	2.44	27.8	8.1
20	-7	2.50	27.4	8.0
17	-8	2.54	27.1	7.9
15	-9	2.52	25.9	7.6
10	-12	2.45	22.9	6.7
5	-15	2.30	20.5	6.0
0	-18	2.14	18.0	5.3
-5	-21	1.99	15.5	4.5
-10	-23	1.83	13.1	3.8
-15	-26	1.68	10.6	3.1
-20	-29	1.53	8.1	2.4

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CR33-60D-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1005	475	35.0	10.3	1.57	.75	.90	1.00	33.2	9.7	1.82	.77	.92	1.00	31.4	9.2	2.10	.79	.95	1.00	29.6	8.7	2.41	.81	.98	1.00
	1125	530	36.0	10.6	1.57	.78	.93	1.00	34.2	10.0	1.81	.80	.95	1.00	32.2	9.4	2.09	.82	.98	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1265	595	36.8	10.8	1.57	.81	.97	1.00	35.2	10.3	1.81	.83	.99	1.00	33.4	9.8	2.08	.85	1.00	1.00	31.6	9.3	2.39	.88	1.00	1.00
67°F (19°C)	1005	475	37.4	11.0	1.56	.59	.73	.86	35.6	10.4	1.81	.60	.74	.88	33.8	9.9	2.08	.61	.76	.90	31.8	9.3	2.39	.63	.78	.94
	1125	530	38.5	11.3	1.56	.61	.75	.89	36.6	10.7	1.80	.62	.77	.91	34.6	10.1	2.08	.63	.79	.94	32.6	9.6	2.38	.64	.81	.97
	1265	595	39.5	11.6	1.56	.63	.78	.93	37.6	11.0	1.80	.64	.80	.96	35.6	10.4	2.07	.65	.82	.98	33.4	9.8	2.38	.67	.85	1.00
71°F (22°C)	1005	475	39.5	11.6	1.56	.44	.58	.70	38.0	11.1	1.80	.45	.58	.71	36.0	10.6	2.07	.45	.59	.73	34.0	10.0	2.38	.46	.61	.75
	1125	530	40.5	11.9	1.56	.45	.59	.72	39.0	11.4	1.79	.45	.60	.74	37.0	10.8	2.06	.46	.61	.76	35.0	10.3	2.37	.46	.63	.78
	1265	595	42.0	12.3	1.55	.46	.61	.75	40.0	11.7	1.79	.46	.62	.77	38.0	11.1	2.06	.47	.63	.79	35.8	10.5	2.36	.47	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-048 with [CR33-60D-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1440	680	46.5	13.6	2.72	.77	.91	1.00	44.0	12.9	3.05	.79	.94	1.00	41.5	12.2	3.42	.81	.97	1.00	39.0	11.4	3.83	.83	.99	1.00
	1645	775	47.5	13.9	2.73	.80	.95	1.00	45.5	13.3	3.06	.82	.98	1.00	42.5	12.5	3.43	.84	1.00	1.00	40.0	11.7	3.85	.87	1.00	1.00
	1865	880	49.0	14.4	2.74	.83	.99	1.00	46.5	13.6	3.08	.85	1.00	1.00	44.0	12.9	3.45	.88	1.00	1.00	41.5	12.2	3.86	.91	1.00	1.00
67°F (19°C)	1440	680	49.5	14.5	2.74	.60	.74	.88	47.0	13.8	3.08	.61	.76	.90	44.5	13.0	3.45	.62	.78	.93	41.5	12.2	3.86	.64	.81	.96
	1645	775	50.5	14.8	2.75	.62	.77	.92	48.0	14.1	3.09	.63	.79	.94	45.5	13.3	3.47	.65	.81	.97	42.5	12.5	3.87	.66	.85	.99
	1865	880	52.0	15.2	2.76	.64	.80	.96	49.5	14.5	3.10	.65	.83	.98	46.5	13.6	3.48	.67	.85	1.00	43.5	12.7	3.88	.69	.89	1.00
71°F (22°C)	1440	680	52.0	15.2	2.77	.45	.59	.72	50.0	14.7	3.11	.45	.60	.73	47.0	13.8	3.48	.46	.61	.75	44.5	13.0	3.89	.46	.62	.78
	1645	775	53.5	15.7	2.78	.46	.61	.75	51.0	14.9	3.12	.46	.62	.76	48.5	14.2	3.49	.47	.63	.79	45.5	13.3	3.91	.47	.65	.82
	1865	880	55.0	16.1	2.79	.47	.63	.78	52.5	15.4	3.13	.47	.64	.80	49.5	14.5	3.51	.48	.66	.83	46.5	13.6	3.92	.49	.68	.86

FIRST STAGE HEATING CAPACITY - XP19-048 with [CR33-60D-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1005	475	39.5	11.6	2.28	36.6	10.7	2.25	33.7	9.9	2.22	30.9	9.1	2.19
1125	530	40.1	11.8	2.19	37.2	10.9	2.16	34.3	10.1	2.13	31.4	9.2	2.10
1265	600	40.6	11.9	2.10	37.7	11.0	2.07	34.8	10.2	2.04	31.9	9.3	2.01

SECOND STAGE HEATING CAPACITY - XP19-048 with [CR33-60D-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1440	680	54.7	16.0	3.26	41.1	12.0	2.91	26.5	7.8	2.52	19.2	5.6	2.38	9.6	2.8	1.77
1645	775	55.4	16.2	3.16	41.9	12.3	2.82	27.3	8.0	2.43	20.0	5.9	2.29	10.4	3.0	1.67
1865	880	56.3	16.5	3.09	42.7	12.5	2.74	28.1	8.2	2.35	20.8	6.1	2.21	11.2	3.3	1.60

HEATING PERFORMANCE at 1645 cfm (775 L/s) Indoor Coil Air Volume
XP19-048 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.16	55.4	16.2
60	16	3.10	52.4	15.4
55	13	3.03	49.4	14.5
50	10	2.97	46.4	13.6
47	8	2.93	44.6	13.1
45	7	2.82	41.9	12.3
40	4	2.56	35.0	10.3
35	2	2.29	28.1	8.2
30	-1	2.36	27.7	8.1
25	-4	2.43	27.3	8.0
20	-7	2.49	26.8	7.9
17	-8	2.53	26.6	7.8
15	-9	2.51	25.4	7.4
10	-12	2.44	22.4	6.6
5	-15	2.29	20.0	5.9
0	-18	2.13	17.6	5.2
-5	-21	1.98	15.2	4.5
-10	-23	1.83	12.8	3.8
-15	-26	1.67	10.4	3.0
-20	-29	1.52	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CR33-60D-F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	985	465	34.8	10.2	1.57	.75	.89	1.00	33.0	9.7	1.82	.77	.91	1.00	31.2	9.1	2.10	.78	.94	1.00	29.4	8.6	2.41	.81	.97	1.00
	1135	535	36.0	10.6	1.57	.78	.93	1.00	34.2	10.0	1.81	.80	.96	1.00	32.4	9.5	2.09	.82	.98	1.00	30.4	8.9	2.40	.85	1.00	1.00
	1235	585	36.6	10.7	1.57	.80	.96	1.00	35.0	10.3	1.81	.82	.98	1.00	33.0	9.7	2.08	.84	1.00	1.00	31.4	9.2	2.40	.88	1.00	1.00
67°F (19°C)	985	465	37.2	10.9	1.56	.59	.72	.85	35.4	10.4	1.81	.60	.74	.87	33.6	9.8	2.08	.61	.75	.90	31.6	9.3	2.40	.62	.78	.93
	1135	535	38.5	11.3	1.56	.61	.75	.89	36.8	10.8	1.80	.62	.77	.92	34.8	10.2	2.08	.63	.79	.95	32.6	9.6	2.38	.65	.82	.98
	1235	585	39.0	11.4	1.56	.62	.77	.92	37.4	11.0	1.80	.63	.79	.95	35.4	10.4	2.07	.64	.82	.97	33.2	9.7	2.38	.66	.84	1.00
71°F (22°C)	985	465	39.5	11.6	1.56	.44	.57	.70	37.8	11.1	1.80	.45	.58	.71	35.8	10.5	2.07	.45	.59	.73	33.8	9.9	2.38	.45	.60	.75
	1135	535	41.0	12.0	1.56	.45	.59	.73	39.0	11.4	1.79	.45	.60	.74	37.2	10.9	2.06	.46	.61	.76	35.0	10.3	2.37	.47	.63	.79
	1235	585	41.5	12.2	1.55	.46	.61	.75	40.0	11.7	1.79	.46	.62	.77	37.8	11.1	2.06	.47	.63	.79	35.6	10.4	2.37	.47	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CR33-60D-F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.0	13.5	2.71	.76	.91	1.00	44.0	12.9	3.05	.78	.93	1.00	41.5	12.2	3.42	.80	.96	1.00	38.5	11.3	3.83	.83	.99	1.00
	1615	760	47.5	13.9	2.72	.79	.95	1.00	45.0	13.2	3.06	.81	.97	1.00	42.5	12.5	3.43	.84	.99	1.00	40.0	11.7	3.84	.87	1.00	1.00
	1780	840	48.5	14.2	2.73	.82	.98	1.00	46.0	13.5	3.07	.84	.99	1.00	43.5	12.7	3.44	.86	1.00	1.00	41.0	12.0	3.86	.90	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.74	.60	.74	.87	46.5	13.6	3.08	.61	.75	.89	44.0	12.9	3.45	.62	.77	.92	41.5	12.2	3.86	.63	.80	.95
	1615	760	50.5	14.8	2.75	.62	.77	.91	48.0	14.1	3.09	.63	.79	.94	45.5	13.3	3.46	.64	.81	.97	42.5	12.5	3.87	.66	.84	.99
	1780	840	51.5	15.1	2.76	.63	.79	.94	49.0	14.4	3.10	.64	.81	.97	46.0	13.5	3.47	.66	.84	.99	43.0	12.6	3.88	.68	.87	1.00
71°F (22°C)	1400	660	52.0	15.2	2.76	.45	.58	.71	49.5	14.5	3.10	.45	.59	.73	47.0	13.8	3.48	.46	.60	.75	44.0	12.9	3.89	.46	.62	.77
	1615	760	53.5	15.7	2.78	.46	.61	.74	51.0	14.9	3.12	.46	.62	.76	48.5	14.2	3.49	.47	.63	.78	45.5	13.3	3.91	.47	.65	.81
	1780	840	54.5	16.0	2.79	.46	.62	.77	52.0	15.2	3.13	.47	.63	.79	49.0	14.4	3.50	.47	.65	.81	46.0	13.5	3.92	.48	.67	.84

FIRST STAGE HEATING CAPACITY - XP19-048 with [CR33-60D-F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
985	465	39.4	11.5	2.30	36.5	10.7	2.27	33.6	9.8	2.24	30.7	9.0	2.21
1135	535	40.2	11.8	2.18	37.3	10.9	2.15	34.4	10.1	2.12	31.5	9.2	2.10
1235	585	40.5	11.9	2.12	37.6	11.0	2.09	34.7	10.2	2.06	31.8	9.3	2.03

SECOND STAGE HEATING CAPACITY - XP19-048 with [CR33-60D-F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.5	16.0	3.28	41.0	12.0	2.94	26.4	7.7	2.54	19.1	5.6	2.40	9.5	2.8	1.78
1615	760	55.4	16.2	3.18	41.9	12.3	2.83	27.3	8.0	2.43	20.0	5.9	2.29	10.4	3.0	1.68
1780	840	56.1	16.4	3.12	42.6	12.5	2.77	28.0	8.2	2.37	20.7	6.1	2.23	11.1	3.3	1.61

HEATING PERFORMANCE at 1615 cfm (760 L/s) Indoor Coil Air Volume
XP19-048 with [CR33-60D-F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.18	55.4	16.2
60	16	3.11	52.4	15.4
55	13	3.05	49.4	14.5
50	10	2.98	46.4	13.6
47	8	2.94	44.6	13.1
45	7	2.83	41.9	12.3
40	4	2.57	35.0	10.3
35	2	2.30	28.1	8.2
30	-1	2.36	27.7	8.1
25	-4	2.43	27.3	8.0
20	-7	2.50	26.8	7.9
17	-8	2.54	26.6	7.8
15	-9	2.51	25.4	7.4
10	-12	2.45	22.4	6.6
5	-15	2.29	20.0	5.9
0	-18	2.14	17.6	5.2
-5	-21	1.99	15.2	4.5
-10	-23	1.83	12.8	3.8
-15	-26	1.68	10.4	3.0
-20	-29	1.52	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.8	10.5	1.57	.77	.92	1.00	34.2	10.0	1.81	.79	.95	1.00	32.4	9.5	2.09	.81	.97	1.00	30.6	9.0	2.40	.84	1.00	1.00
	1200	565	36.6	10.7	1.57	.79	.95	1.00	35.0	10.3	1.81	.81	.97	1.00	33.2	9.7	2.09	.84	1.00	1.00	31.4	9.2	2.39	.87	1.00	1.00
	1300	615	37.4	11.0	1.56	.81	.97	1.00	35.8	10.5	1.81	.84	.99	1.00	34.0	10.0	2.08	.86	1.00	1.00	32.2	9.4	2.39	.89	1.00	1.00
67°F (19°C)	1100	520	38.5	11.3	1.56	.60	.74	.88	36.6	10.7	1.80	.61	.76	.90	34.6	10.1	2.07	.62	.78	.93	32.6	9.6	2.39	.64	.81	.97
	1200	565	39.0	11.4	1.56	.61	.77	.91	37.4	11.0	1.80	.63	.78	.94	35.4	10.4	2.07	.64	.81	.96	33.2	9.7	2.38	.66	.84	.99
	1300	615	40.0	11.7	1.56	.63	.79	.94	38.0	11.1	1.80	.64	.81	.96	36.0	10.6	2.07	.65	.83	.99	33.6	9.8	2.38	.67	.86	1.00
71°F (22°C)	1100	520	41.5	12.2	1.55	.45	.59	.72	39.5	11.6	1.79	.45	.60	.73	37.4	11.0	2.06	.46	.61	.75	35.2	10.3	2.37	.46	.62	.78
	1200	565	42.0	12.3	1.55	.46	.60	.74	40.0	11.7	1.79	.46	.61	.76	38.0	11.1	2.06	.46	.62	.78	35.8	10.5	2.36	.47	.64	.80
	1300	615	43.0	12.6	1.55	.46	.61	.76	41.0	12.0	1.79	.47	.62	.78	38.5	11.3	2.05	.47	.64	.80	36.4	10.7	2.36	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-048 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.72	.76	.90	1.00	44.5	13.0	3.05	.78	.93	1.00	42.0	12.3	3.42	.80	.96	1.00	39.5	11.6	3.84	.83	.99	1.00
	1600	755	48.0	14.1	2.73	.79	.94	1.00	46.0	13.5	3.07	.81	.97	1.00	43.5	12.7	3.44	.84	.99	1.00	41.0	12.0	3.85	.87	1.00	1.00
	1800	850	49.5	14.5	2.74	.82	.98	1.00	47.0	13.8	3.08	.84	1.00	1.00	45.0	13.2	3.45	.87	1.00	1.00	42.5	12.5	3.87	.91	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.75	.60	.73	.87	47.5	13.9	3.08	.61	.75	.89	44.5	13.0	3.46	.62	.77	.92	42.0	12.3	3.86	.64	.80	.95
	1600	755	51.5	15.1	2.76	.62	.77	.91	48.5	14.2	3.09	.63	.79	.94	46.0	13.5	3.47	.64	.81	.96	43.0	12.6	3.88	.66	.84	.99
	1800	850	52.5	15.4	2.77	.64	.80	.95	50.0	14.7	3.11	.65	.82	.97	47.0	13.8	3.48	.66	.85	1.00	44.0	12.9	3.89	.68	.88	1.00
71°F (22°C)	1400	660	53.0	15.5	2.78	.45	.58	.71	50.5	14.8	3.11	.45	.59	.72	48.0	14.1	3.49	.46	.60	.75	45.0	13.2	3.90	.46	.62	.77
	1600	755	54.5	16.0	2.79	.46	.60	.74	52.0	15.2	3.13	.46	.61	.76	49.0	14.4	3.50	.47	.63	.78	46.0	13.5	3.92	.48	.65	.81
	1800	850	56.0	16.4	2.80	.47	.62	.77	53.0	15.5	3.14	.47	.64	.79	50.0	14.7	3.51	.47	.65	.82	47.0	13.8	3.93	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-048 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	41.2	12.1	2.11	38.2	11.2	2.09	35.3	10.3	2.07	32.3	9.5	2.05
1200	565	41.7	12.2	2.05	38.8	11.4	2.03	35.8	10.5	2.01	32.8	9.6	1.99
1300	615	42.1	12.3	1.99	39.1	11.5	1.97	36.2	10.6	1.95	33.2	9.7	1.93

SECOND STAGE HEATING CAPACITY - XP19-048 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	55.9	16.4	3.17	42.1	12.3	2.84	27.3	8.0	2.46	19.8	5.8	2.33	9.9	2.9	1.73
1600	755	56.7	16.6	3.07	42.9	12.6	2.74	28.0	8.2	2.37	20.6	6.0	2.24	10.7	3.1	1.63
1800	850	57.3	16.8	2.99	43.5	12.7	2.67	28.6	8.4	2.29	21.2	6.2	2.16	11.3	3.3	1.56

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CH23-68]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.07	56.7	16.6
60	16	3.01	53.6	15.7
55	13	2.94	50.6	14.8
50	10	2.88	47.5	13.9
47	8	2.85	45.7	13.4
45	7	2.74	42.9	12.6
40	4	2.49	35.9	10.5
35	2	2.24	28.9	8.5
30	-1	2.30	28.4	8.3
25	-4	2.37	28.0	8.2
20	-7	2.43	27.6	8.1
17	-8	2.47	27.3	8.0
15	-9	2.45	26.1	7.6
10	-12	2.39	23.1	6.8
5	-15	2.24	20.6	6.0
0	-18	2.09	18.1	5.3
-5	-21	1.93	15.6	4.6
-10	-23	1.78	13.2	3.9
-15	-26	1.63	10.7	3.1
-20	-29	1.48	8.2	2.4

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1100	520	35.6	10.4	1.57	.77	.91	1.00	34.0	10.0	1.82	.78	.93	1.00	32.2	9.4	2.10	.80	.96	1.00	30.2	8.9	2.41	.83	.99	1.00
	1200	565	36.4	10.7	1.57	.78	.93	1.00	34.6	10.1	1.82	.80	.96	1.00	32.8	9.6	2.09	.82	.99	1.00	30.8	9.0	2.40	.85	1.00	1.00
	1300	615	37.2	10.9	1.57	.80	.96	1.00	35.4	10.4	1.82	.82	.98	1.00	33.4	9.8	2.09	.84	1.00	1.00	31.8	9.3	2.40	.88	1.00	1.00
67°F (19°C)	1100	520	38.0	11.1	1.57	.60	.74	.87	36.2	10.6	1.81	.61	.75	.89	34.4	10.1	2.08	.62	.77	.92	32.4	9.5	2.39	.64	.80	.95
	1200	565	39.0	11.4	1.56	.61	.76	.89	37.0	10.8	1.81	.62	.77	.92	35.0	10.3	2.08	.63	.79	.94	33.0	9.7	2.39	.65	.82	.98
	1300	615	39.5	11.6	1.56	.62	.77	.91	37.8	11.1	1.81	.63	.79	.94	35.8	10.5	2.08	.65	.81	.97	33.6	9.8	2.39	.67	.84	1.00
71°F (22°C)	1100	520	40.5	11.9	1.56	.46	.59	.71	38.5	11.3	1.80	.46	.60	.73	36.8	10.8	2.07	.46	.61	.75	34.8	10.2	2.38	.47	.62	.77
	1200	565	41.5	12.2	1.56	.46	.60	.73	39.5	11.6	1.80	.46	.61	.75	37.4	11.0	2.07	.47	.62	.77	35.4	10.4	2.37	.47	.64	.79
	1300	615	42.0	12.3	1.56	.47	.61	.75	40.0	11.7	1.80	.47	.62	.76	38.0	11.1	2.07	.47	.63	.79	36.0	10.6	2.37	.48	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.72	.75	.88	1.00	44.0	12.9	3.06	.77	.91	1.00	41.5	12.2	3.42	.79	.94	1.00	39.0	11.4	3.84	.81	.97	1.00
	1600	755	48.0	14.1	2.73	.78	.92	1.00	45.5	13.3	3.07	.79	.95	1.00	43.0	12.6	3.44	.82	.98	1.00	40.0	11.7	3.86	.84	1.00	1.00
	1800	850	49.0	14.4	2.74	.80	.96	1.00	46.5	13.6	3.08	.82	.98	1.00	44.0	12.9	3.45	.85	1.00	1.00	41.5	12.2	3.87	.88	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.75	.60	.73	.85	47.0	13.8	3.08	.60	.74	.87	44.5	13.0	3.45	.61	.76	.90	41.5	12.2	3.87	.63	.78	.93
	1600	755	50.5	14.8	2.76	.61	.75	.88	48.5	14.2	3.10	.62	.77	.91	45.5	13.3	3.47	.63	.79	.94	43.0	12.6	3.89	.65	.82	.97
	1800	850	52.0	15.2	2.77	.63	.78	.92	49.5	14.5	3.11	.64	.80	.95	47.0	13.8	3.48	.65	.82	.98	43.5	12.7	3.90	.67	.85	1.00
71°F (22°C)	1400	660	52.0	15.2	2.77	.46	.58	.70	50.0	14.7	3.11	.46	.59	.71	47.5	13.9	3.49	.46	.60	.73	44.5	13.0	3.91	.47	.61	.75
	1600	755	54.0	15.8	2.79	.46	.60	.72	51.5	15.1	3.12	.46	.61	.74	48.5	14.2	3.50	.47	.62	.76	45.5	13.3	3.92	.48	.64	.79
	1800	850	55.0	16.1	2.80	.47	.61	.75	52.5	15.4	3.14	.47	.62	.77	50.0	14.7	3.51	.48	.64	.79	47.0	13.8	3.93	.49	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1100	520	40.0	11.7	2.36	37.2	10.9	2.33	34.3	10.1	2.30	31.5	9.2	2.27
1200	565	40.5	11.9	2.29	37.7	11.0	2.26	34.8	10.2	2.23	32.0	9.4	2.20
1300	615	40.9	12.0	2.22	38.1	11.2	2.19	35.3	10.3	2.16	32.4	9.5	2.13

SECOND STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	54.3	15.9	3.47	40.9	12.0	3.11	26.4	7.7	2.69	19.3	5.7	2.56	9.6	2.8	1.91
1600	755	55.2	16.2	3.34	41.8	12.3	2.97	27.3	8.0	2.55	20.2	5.9	2.42	10.5	3.1	1.77
1800	850	55.8	16.4	3.24	42.4	12.4	2.88	28.0	8.2	2.46	20.8	6.1	2.33	11.1	3.3	1.68

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume
XP19-048 with [CH33-62D-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.34	55.2	16.2
60	16	3.27	52.2	15.3
55	13	3.20	49.3	14.4
50	10	3.13	46.3	13.6
47	8	3.09	44.5	13.0
45	7	2.97	41.8	12.3
40	4	2.68	34.9	10.2
35	2	2.39	28.1	8.2
30	-1	2.47	27.7	8.1
25	-4	2.55	27.3	8.0
20	-7	2.63	27.0	7.9
17	-8	2.68	26.8	7.9
15	-9	2.65	25.6	7.5
10	-12	2.59	22.6	6.6
5	-15	2.42	20.2	5.9
0	-18	2.26	17.8	5.2
-5	-21	2.10	15.3	4.5
-10	-23	1.94	12.9	3.8
-15	-26	1.77	10.5	3.1
-20	-29	1.61	8.0	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	970	460	34.4	10.1	1.57	.74	.87	1.00	32.8	9.6	1.82	.76	.90	1.00	31.0	9.1	2.10	.78	.92	1.00	29.2	8.6	2.41	.80	.95	1.00
	1100	520	35.6	10.4	1.57	.77	.91	1.00	33.8	9.9	1.82	.78	.93	1.00	32.0	9.4	2.09	.80	.96	1.00	30.2	8.9	2.40	.83	.99	1.00
	1205	570	36.4	10.7	1.57	.78	.93	1.00	34.6	10.1	1.81	.80	.96	1.00	32.8	9.6	2.09	.83	.99	1.00	30.8	9.0	2.40	.85	1.00	1.00
67°F (19°C)	970	460	36.6	10.7	1.57	.59	.72	.84	35.0	10.3	1.81	.60	.73	.86	33.2	9.7	2.08	.61	.75	.88	31.2	9.1	2.39	.62	.77	.91
	1100	520	38.0	11.1	1.56	.60	.74	.87	36.2	10.6	1.81	.61	.76	.89	34.2	10.0	2.08	.62	.78	.92	32.2	9.4	2.39	.64	.80	.95
	1205	570	39.0	11.4	1.56	.61	.76	.89	37.0	10.8	1.80	.62	.78	.92	35.0	10.3	2.07	.64	.80	.95	32.8	9.6	2.38	.65	.82	.98
71°F (22°C)	970	460	39.0	11.4	1.56	.45	.57	.69	37.4	11.0	1.80	.45	.58	.70	35.4	10.4	2.07	.46	.59	.72	33.4	9.8	2.38	.46	.60	.74
	1100	520	40.5	11.9	1.56	.46	.59	.71	38.5	11.3	1.79	.46	.60	.73	36.6	10.7	2.06	.46	.61	.75	34.6	10.1	2.37	.47	.62	.77
	1205	570	41.5	12.2	1.55	.46	.60	.73	39.5	11.6	1.79	.46	.61	.75	37.4	11.0	2.06	.47	.62	.77	35.2	10.3	2.37	.48	.64	.79

SECOND STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1370	645	46.0	13.5	2.71	.75	.88	1.00	43.5	12.7	3.05	.76	.90	1.00	41.5	12.2	3.41	.78	.93	1.00	38.5	11.3	3.83	.81	.96	1.00
	1575	745	47.5	13.9	2.72	.77	.92	1.00	45.0	13.2	3.06	.79	.94	1.00	42.5	12.5	3.43	.81	.97	1.00	40.0	11.7	3.84	.84	1.00	1.00
	1745	825	48.5	14.2	2.73	.79	.95	1.00	46.0	13.5	3.07	.82	.97	1.00	43.5	12.7	3.44	.84	1.00	1.00	41.0	12.0	3.86	.87	1.00	1.00
67°F (19°C)	1370	645	49.0	14.4	2.74	.59	.72	.84	46.5	13.6	3.07	.60	.74	.87	44.0	12.9	3.44	.61	.76	.89	41.0	12.0	3.86	.63	.78	.92
	1575	745	50.5	14.8	2.75	.61	.75	.88	48.0	14.1	3.09	.62	.77	.91	45.5	13.3	3.46	.63	.79	.94	42.5	12.5	3.87	.65	.81	.97
	1745	825	51.5	15.1	2.76	.62	.77	.91	49.0	14.4	3.10	.63	.79	.94	46.5	13.6	3.47	.65	.81	.97	43.5	12.7	3.88	.67	.84	1.00
71°F (22°C)	1370	645	52.0	15.2	2.76	.45	.58	.69	49.5	14.5	3.10	.46	.58	.71	47.0	13.8	3.47	.46	.60	.73	44.0	12.9	3.89	.46	.61	.75
	1575	745	53.5	15.7	2.78	.46	.59	.72	51.0	14.9	3.12	.46	.60	.74	48.5	14.2	3.49	.47	.62	.76	45.5	13.3	3.91	.47	.63	.79
	1745	825	54.5	16.0	2.79	.47	.61	.74	52.0	15.2	3.13	.47	.62	.76	49.5	14.5	3.50	.48	.63	.79	46.5	13.6	3.92	.48	.65	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
970	460	38.4	11.3	2.50	35.6	10.4	2.46	32.8	9.6	2.43	30.0	8.8	2.39
1100	520	39.1	11.5	2.37	36.3	10.6	2.33	33.5	9.8	2.30	30.8	9.0	2.26
1205	570	39.6	11.6	2.29	36.8	10.8	2.25	34.0	10.0	2.22	31.2	9.1	2.18

SECOND STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1370	645	53.7	15.7	3.51	40.4	11.8	3.14	26.0	7.6	2.72	18.9	5.5	2.58	9.5	2.8	1.93
1575	745	54.3	15.9	3.36	41.0	12.0	2.99	26.7	7.8	2.56	19.5	5.7	2.43	10.1	3.0	1.78
1745	825	54.9	16.1	3.27	41.6	12.2	2.90	27.3	8.0	2.48	20.1	5.9	2.34	10.7	3.1	1.69

HEATING PERFORMANCE at 1575 cfm (745 L/s) Indoor Coil Air Volume
XP19-048 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	3.36	54.3	15.9
60	16	3.29	51.4	15.1
55	13	3.22	48.4	14.2
50	10	3.15	45.5	13.3
47	8	3.11	43.7	12.8
45	7	2.99	41.0	12.0
40	4	2.70	34.3	10.1
35	2	2.41	27.5	8.1
30	-1	2.49	27.1	7.9
25	-4	2.56	26.7	7.8
20	-7	2.64	26.3	7.7
17	-8	2.69	26.0	7.6
15	-9	2.66	24.8	7.3
10	-12	2.59	21.9	6.4
5	-15	2.43	19.5	5.7
0	-18	2.27	17.2	5.0
-5	-21	2.10	14.8	4.3
-10	-23	1.94	12.5	3.7
-15	-26	1.78	10.1	3.0
-20	-29	1.61	7.8	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	985	465	34.6	10.1	1.57	.75	.88	1.00	32.8	9.6	1.82	.76	.90	1.00	31.2	9.1	2.10	.78	.93	1.00	29.2	8.6	2.41	.80	.96	1.00
	1135	535	35.8	10.5	1.57	.77	.92	1.00	34.0	10.0	1.81	.79	.94	1.00	32.2	9.4	2.09	.81	.97	1.00	30.4	8.9	2.40	.84	1.00	1.00
	1235	585	36.6	10.7	1.57	.79	.94	1.00	34.8	10.2	1.81	.81	.97	1.00	32.8	9.6	2.09	.83	.99	1.00	31.2	9.1	2.40	.86	1.00	1.00
67°F (19°C)	985	465	36.8	10.8	1.57	.59	.71	.84	35.0	10.3	1.81	.60	.73	.86	33.2	9.7	2.08	.61	.75	.88	31.2	9.1	2.40	.62	.77	.91
	1135	535	38.0	11.1	1.56	.61	.74	.88	36.4	10.7	1.80	.62	.76	.90	34.6	10.1	2.08	.63	.78	.93	32.4	9.5	2.39	.64	.81	.96
	1235	585	39.0	11.4	1.56	.62	.76	.90	37.2	10.9	1.80	.63	.78	.93	35.2	10.3	2.07	.64	.80	.96	33.2	9.7	2.38	.66	.83	.99
71°F (22°C)	985	465	39.0	11.4	1.56	.45	.57	.69	37.6	11.0	1.80	.46	.58	.71	35.6	10.4	2.07	.46	.59	.72	33.6	9.8	2.37	.46	.60	.74
	1135	535	40.5	11.9	1.55	.46	.59	.72	39.0	11.4	1.79	.46	.60	.73	37.0	10.8	2.06	.47	.61	.75	34.8	10.2	2.37	.47	.63	.78
	1235	585	41.5	12.2	1.55	.46	.60	.74	39.5	11.6	1.79	.47	.61	.75	37.6	11.0	2.06	.47	.63	.77	35.4	10.4	2.37	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-048 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.71	.75	.89	1.00	44.0	12.9	3.05	.77	.91	1.00	41.5	12.2	3.42	.79	.94	1.00	39.0	11.4	3.83	.81	.97	1.00
	1615	760	47.5	13.9	2.73	.78	.93	1.00	45.5	13.3	3.06	.80	.95	1.00	43.0	12.6	3.43	.82	.98	1.00	40.0	11.7	3.84	.85	1.00	1.00
	1780	840	49.0	14.4	2.74	.80	.95	1.00	46.5	13.6	3.07	.82	.98	1.00	43.5	12.7	3.44	.84	1.00	1.00	41.5	12.2	3.86	.88	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.74	.60	.73	.85	46.5	13.6	3.08	.60	.74	.87	44.0	12.9	3.45	.62	.76	.90	41.5	12.2	3.86	.63	.79	.93
	1615	760	50.5	14.8	2.75	.61	.75	.89	48.0	14.1	3.09	.62	.77	.91	45.5	13.3	3.46	.63	.79	.94	42.5	12.5	3.88	.65	.82	.98
	1780	840	52.0	15.2	2.76	.62	.77	.92	49.0	14.4	3.10	.64	.80	.94	46.5	13.6	3.47	.65	.82	.98	43.5	12.7	3.88	.67	.85	1.00
71°F (22°C)	1400	660	52.0	15.2	2.77	.46	.58	.70	49.5	14.5	3.10	.46	.59	.72	47.0	13.8	3.48	.46	.60	.73	44.5	13.0	3.89	.47	.61	.76
	1615	760	54.0	15.8	2.78	.46	.60	.73	51.0	14.9	3.12	.47	.61	.75	48.5	14.2	3.49	.47	.62	.77	45.5	13.3	3.91	.48	.64	.79
	1780	840	55.0	16.1	2.79	.47	.61	.75	52.5	15.4	3.13	.47	.62	.77	49.5	14.5	3.51	.48	.64	.79	46.5	13.6	3.92	.49	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
985	465	38.5	11.3	2.48	35.7	10.5	2.45	32.9	9.6	2.41	30.1	8.8	2.38
1135	535	39.4	11.5	2.34	36.6	10.7	2.30	33.7	9.9	2.27	30.9	9.1	2.24
1235	585	39.8	11.7	2.27	37.0	10.8	2.23	34.2	10.0	2.20	31.4	9.2	2.16

SECOND STAGE HEATING CAPACITY - XP19-048 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	53.6	15.7	3.47	40.2	11.8	3.11	25.8	7.6	2.69	18.7	5.5	2.56	9.2	2.7	1.91
1615	760	54.6	16.0	3.33	41.3	12.1	2.97	26.9	7.9	2.55	19.7	5.8	2.42	10.2	3.0	1.77
1780	840	55.3	16.2	3.25	41.9	12.3	2.89	27.5	8.1	2.47	20.4	6.0	2.34	10.9	3.2	1.69

HEATING PERFORMANCE at 1615 cfm (760 L/s) Indoor Coil Air Volume
XP19-048 with [CH33-62D-2F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.33	54.6	16.0
60	16	3.26	51.7	15.2
55	13	3.19	48.7	14.3
50	10	3.12	45.7	13.4
47	8	3.08	44.0	12.9
45	7	2.97	41.3	12.1
40	4	2.68	34.5	10.1
35	2	2.39	27.7	8.1
30	-1	2.47	27.3	8.0
25	-4	2.55	26.9	7.9
20	-7	2.63	26.5	7.8
17	-8	2.68	26.2	7.7
15	-9	2.65	25.0	7.3
10	-12	2.58	22.1	6.5
5	-15	2.42	19.7	5.8
0	-18	2.26	17.3	5.1
-5	-21	2.09	15.0	4.4
-10	-23	1.93	12.6	3.7
-15	-26	1.77	10.2	3.0
-20	-29	1.61	7.9	2.3

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1260	595	41.5	12.2	2.02	.75	.88	1.00	40.0	11.7	2.36	.77	.91	1.00	38.0	11.1	2.74	.79	.93	1.00	36.0	10.6	3.17	.81	.96	1.00
	1600	755	44.0	12.9	2.01	.80	.95	1.00	42.0	12.3	2.34	.82	.97	1.00	40.5	11.9	2.72	.84	1.00	1.00	38.5	11.3	3.15	.87	1.00	1.00
67°F (19°C)	1260	595	44.5	13.0	2.01	.60	.73	.85	42.5	12.5	2.34	.61	.74	.87	40.5	11.9	2.72	.62	.76	.90	38.0	11.1	3.15	.63	.78	.93
	1600	755	46.5	13.6	2.00	.63	.78	.92	44.5	13.0	2.33	.64	.79	.94	42.5	12.5	2.70	.65	.82	.97	40.0	11.7	3.13	.67	.84	1.00
71°F (22°C)	1260	595	47.0	13.8	2.00	.46	.59	.71	45.0	13.2	2.33	.46	.60	.72	43.0	12.6	2.70	.46	.60	.73	40.5	11.9	3.12	.47	.62	.76
	1600	755	49.5	14.5	1.99	.47	.62	.75	47.5	13.9	2.32	.48	.63	.77	45.0	13.2	2.69	.48	.64	.79	42.5	12.5	3.11	.49	.66	.82

SECOND STAGE COOLING CAPACITY - XP19-060 with [CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	55.5	16.3	3.60	.74	.87	.98	53.0	15.5	4.05	.76	.89	1.00	50.0	14.7	4.54	.78	.92	1.00	47.0	13.8	5.09	.80	.95	1.00
	1800	850	57.0	16.7	3.62	.76	.90	1.00	54.5	16.0	4.07	.78	.92	1.00	51.5	15.1	4.56	.80	.95	1.00	48.5	14.2	5.11	.83	.98	1.00
	2000	945	58.0	17.0	3.64	.78	.93	1.00	55.5	16.3	4.08	.80	.95	1.00	53.0	15.5	4.58	.82	.98	1.00	49.5	14.5	5.13	.85	1.00	1.00
67°F (19°C)	1600	755	58.5	17.1	3.64	.59	.72	.84	56.0	16.4	4.09	.60	.73	.86	53.0	15.5	4.58	.61	.75	.88	50.0	14.7	5.14	.63	.77	.91
	1800	850	60.5	17.7	3.66	.61	.74	.86	57.5	16.9	4.11	.62	.76	.89	54.5	16.0	4.61	.63	.78	.92	51.0	14.9	5.15	.64	.80	.95
	2000	945	61.5	18.0	3.68	.62	.76	.89	58.5	17.1	4.13	.63	.78	.92	55.5	16.3	4.62	.64	.80	.95	52.0	15.2	5.17	.66	.83	.98
71°F (22°C)	1600	755	61.5	18.0	3.68	.46	.58	.69	59.0	17.3	4.13	.46	.59	.71	56.0	16.4	4.63	.46	.60	.73	52.5	15.4	5.18	.47	.61	.75
	1800	850	63.5	18.6	3.70	.46	.59	.72	60.5	17.7	4.15	.46	.60	.73	57.5	16.9	4.65	.47	.62	.75	54.0	15.8	5.20	.47	.63	.78
	2000	945	65.0	19.0	3.72	.46	.61	.74	62.0	18.2	4.17	.47	.62	.75	58.5	17.1	4.66	.48	.63	.78	55.0	16.1	5.22	.48	.65	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595	48.8	14.3	2.96	45.6	13.4	2.91	42.5	12.5	2.87	39.3	11.5	2.83
1600	755	50.6	14.8	2.67	47.4	13.9	2.62	44.3	13.0	2.58	41.1	12.0	2.54

SECOND STAGE HEATING CAPACITY - XP19-060 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1600	755	66.4	19.5	4.33	50.0	14.7	3.86	32.1	9.4	3.29	24.4	7.2	3.19	12.1	3.5	2.36
1800	850	67.4	19.8	4.21	51.0	14.9	3.73	33.0	9.7	3.16	25.4	7.4	3.06	13.1	3.8	2.24
2000	945	69.3	20.3	4.10	52.9	15.5	3.62	35.0	10.3	3.06	27.3	8.0	2.95	15.0	4.4	2.13

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume
XP19-060 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.21	67.4	19.8
60	16	4.12	63.9	18.7
55	13	4.03	60.3	17.7
50	10	3.95	56.8	16.6
47	8	3.90	54.7	16.0
45	7	3.73	51.0	14.9
40	4	3.31	41.8	12.3
35	2	2.89	32.6	9.6
30	-1	3.02	32.8	9.6
25	-4	3.16	33.0	9.7
20	-7	3.30	33.3	9.8
17	-8	3.38	33.4	9.8
15	-9	3.35	32.0	9.4
10	-12	3.26	28.5	8.4
5	-15	3.06	25.4	7.4
0	-18	2.85	22.3	6.5
-5	-21	2.65	19.3	5.7
-10	-23	2.44	16.2	4.7
-15	-26	2.24	13.1	3.8
-20	-29	2.03	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CBX32M-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.06	.76	.90	1.00	41.5	12.2	2.40	.78	.93	1.00	39.5	11.6	2.79	.80	.95	1.00	37.0	10.8	3.23	.82	.98	1.00
	1400	660	44.0	12.9	2.05	.78	.93	1.00	42.0	12.3	2.40	.80	.95	1.00	40.0	11.7	2.78	.82	.98	1.00	37.6	11.0	3.22	.84	1.00	1.00
	1500	710	45.0	13.2	2.05	.79	.95	1.00	43.0	12.6	2.39	.81	.97	1.00	40.5	11.9	2.78	.84	.99	1.00	38.5	11.3	3.22	.86	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.05	.60	.74	.87	44.0	12.9	2.39	.61	.75	.89	42.0	12.3	2.77	.62	.77	.92	39.5	11.6	3.21	.63	.79	.94
	1400	660	47.0	13.8	2.04	.61	.75	.89	45.0	13.2	2.38	.62	.77	.91	42.5	12.5	2.76	.63	.79	.94	40.0	11.7	3.21	.65	.81	.97
	1500	710	47.5	13.9	2.04	.62	.77	.91	45.5	13.3	2.38	.63	.79	.94	43.0	12.6	2.76	.64	.81	.96	40.5	11.9	3.20	.66	.83	.99
71°F (22°C)	1300	615	49.0	14.4	2.04	.46	.59	.71	47.0	13.8	2.38	.46	.59	.73	44.5	13.0	2.75	.46	.61	.74	42.0	12.3	3.19	.47	.62	.77
	1400	660	50.0	14.7	2.04	.46	.60	.73	47.5	13.9	2.37	.46	.61	.74	45.0	13.2	2.75	.47	.62	.76	42.5	12.5	3.18	.47	.63	.78
	1500	710	50.5	14.8	2.03	.46	.61	.74	48.5	14.2	2.37	.47	.62	.76	46.0	13.5	2.75	.47	.63	.78	43.5	12.7	3.18	.48	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CBX32M-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1650	780	57.5	16.9	3.64	.75	.88	1.00	54.5	16.0	4.09	.76	.90	1.00	51.5	15.1	4.59	.78	.93	1.00	48.5	14.2	5.14	.81	.96	1.00
	1850	875	59.0	17.3	3.66	.77	.91	1.00	56.0	16.4	4.11	.79	.94	1.00	53.0	15.5	4.60	.81	.97	1.00	49.5	14.5	5.16	.83	.99	1.00
	2050	970	60.5	17.7	3.68	.79	.94	1.00	57.5	16.9	4.12	.81	.97	1.00	54.0	15.8	4.62	.83	.99	1.00	50.5	14.8	5.18	.87	1.00	1.00
67°F (19°C)	1650	780	61.0	17.9	3.69	.59	.72	.85	58.5	17.1	4.14	.60	.74	.87	55.0	16.1	4.64	.61	.76	.90	51.5	15.1	5.19	.63	.78	.93
	1850	875	62.5	18.3	3.70	.61	.74	.88	59.5	17.4	4.16	.62	.76	.90	56.5	16.6	4.66	.63	.78	.93	52.5	15.4	5.21	.64	.81	.96
	2050	970	64.0	18.8	3.72	.62	.77	.91	61.0	17.9	4.17	.63	.79	.93	57.5	16.9	4.67	.64	.81	.96	53.5	15.7	5.23	.66	.84	.99
71°F (22°C)	1650	780	64.5	18.9	3.73	.45	.58	.70	61.5	18.0	4.18	.46	.59	.71	58.5	17.1	4.68	.46	.60	.73	55.0	16.1	5.25	.47	.61	.75
	1850	875	66.0	19.3	3.75	.46	.59	.72	63.0	18.5	4.20	.46	.60	.74	60.0	17.6	4.70	.47	.61	.76	56.0	16.4	5.26	.47	.63	.78
	2050	970	68.0	19.9	3.77	.46	.61	.74	64.5	18.9	4.22	.47	.62	.76	61.0	17.9	4.72	.47	.63	.78	57.0	16.7	5.28	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CBX32M-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	49.5	14.5	2.97	46.3	13.6	2.94	43.1	12.6	2.90	39.9	11.7	2.87
1400	660	49.6	14.5	2.89	46.4	13.6	2.85	43.2	12.7	2.82	40.0	11.7	2.78
1500	710	50.4	14.8	2.81	47.2	13.8	2.78	43.9	12.9	2.74	40.7	11.9	2.71

SECOND STAGE HEATING CAPACITY - XP19-060 with [CBX32M-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1650	780	67.0	19.6	4.39	50.6	14.8	3.89	32.8	9.6	3.29	25.2	7.4	3.17	12.6	3.7	2.36
1850	875	67.8	19.9	4.27	51.4	15.1	3.77	33.6	9.8	3.17	26.0	7.6	3.05	13.4	3.9	2.24
2050	970	68.3	20.0	4.17	52.0	15.2	3.66	34.1	10.0	3.07	26.5	7.8	2.95	13.9	4.1	2.13

HEATING PERFORMANCE at 1850 cfm (875 L/s) Indoor Coil Air Volume
XP19-060 with [CBX32M-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.27	67.8	19.9
60	16	4.18	64.3	18.8
55	13	4.08	60.7	17.8
50	10	3.99	57.2	16.8
47	8	3.94	55.1	16.1
45	7	3.77	51.4	15.1
40	4	3.34	42.2	12.4
35	2	2.91	33.0	9.7
30	-1	3.04	33.3	9.8
25	-4	3.17	33.6	9.8
20	-7	3.31	33.9	9.9
17	-8	3.38	34.1	10.0
15	-9	3.35	32.7	9.6
10	-12	3.26	29.2	8.6
5	-15	3.05	26.0	7.6
0	-18	2.85	22.8	6.7
-5	-21	2.64	19.7	5.8
-10	-23	2.44	16.5	4.8
-15	-26	2.24	13.4	3.9
-20	-29	2.03	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CBX32MV-060] [CBX40UHV-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1075	505	41.5	12.2	2.07	.73	.85	.97	39.5	11.6	2.41	.74	.87	.99	37.6	11.0	2.80	.75	.90	1.00	35.4	10.4	3.25	.77	.92	1.00
	1270	600	43.0	12.6	2.06	.76	.90	1.00	41.0	12.0	2.40	.77	.92	1.00	39.0	11.4	2.79	.79	.94	1.00	36.8	10.8	3.24	.81	.97	1.00
	1495	705	45.0	13.2	2.05	.79	.95	1.00	43.0	12.6	2.39	.81	.97	1.00	40.5	11.9	2.78	.83	.99	1.00	38.5	11.3	3.22	.86	1.00	1.00
67°F (19°C)	1075	505	44.0	12.9	2.05	.58	.70	.82	42.0	12.3	2.40	.59	.71	.84	40.0	11.7	2.78	.60	.73	.86	37.8	11.1	3.22	.60	.75	.88
	1270	600	46.0	13.5	2.05	.60	.73	.86	44.0	12.9	2.39	.61	.75	.88	41.5	12.2	2.77	.62	.76	.91	39.5	11.6	3.21	.63	.79	.94
	1495	705	47.5	13.9	2.04	.62	.77	.91	45.5	13.3	2.38	.63	.79	.93	43.0	12.6	2.76	.64	.81	.96	40.5	11.9	3.20	.66	.83	.99
71°F (22°C)	1075	505	46.5	13.6	2.04	.45	.56	.67	44.5	13.0	2.38	.45	.57	.69	42.5	12.5	2.77	.45	.58	.70	40.5	11.9	3.20	.46	.59	.72
	1270	600	48.5	14.2	2.04	.45	.58	.71	46.5	13.6	2.38	.46	.59	.72	44.5	13.0	2.76	.46	.60	.74	42.0	12.3	3.19	.47	.61	.76
	1495	705	50.5	14.8	2.03	.46	.60	.74	48.0	14.1	2.37	.47	.62	.76	46.0	13.5	2.74	.47	.63	.78	43.5	12.7	3.18	.48	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CBX32MV-060] [CBX40UHV-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1640	775	57.5	16.9	3.64	.75	.88	.99	54.5	16.0	4.09	.76	.90	1.00	51.5	15.1	4.59	.78	.93	1.00	48.0	14.1	5.14	.80	.96	1.00
	1820	860	59.0	17.3	3.66	.77	.91	1.00	56.0	16.4	4.11	.78	.93	1.00	53.0	15.5	4.60	.80	.96	1.00	49.5	14.5	5.16	.83	.99	1.00
	1965	925	60.0	17.6	3.67	.78	.93	1.00	57.0	16.7	4.12	.80	.96	1.00	53.5	15.7	4.62	.82	.98	1.00	50.5	14.8	5.17	.85	1.00	1.00
67°F (19°C)	1640	775	61.0	17.9	3.69	.59	.72	.85	58.0	17.0	4.14	.60	.74	.87	55.0	16.1	4.64	.61	.75	.89	51.5	15.1	5.19	.62	.78	.93
	1820	860	62.5	18.3	3.70	.60	.74	.87	59.5	17.4	4.15	.61	.76	.90	56.0	16.4	4.65	.63	.78	.93	52.5	15.4	5.20	.64	.80	.96
	1965	925	63.5	18.6	3.72	.61	.76	.90	60.5	17.7	4.17	.62	.78	.92	57.0	16.7	4.66	.64	.80	.95	53.5	15.7	5.22	.65	.82	.98
71°F (22°C)	1640	775	64.5	18.9	3.73	.45	.58	.70	61.5	18.0	4.18	.46	.59	.71	58.0	17.0	4.68	.46	.60	.73	54.5	16.0	5.24	.46	.61	.75
	1820	860	66.0	19.3	3.74	.46	.59	.72	63.0	18.5	4.20	.46	.60	.73	59.5	17.4	4.70	.47	.61	.75	56.0	16.4	5.26	.47	.63	.78
	1965	925	67.0	19.6	3.76	.46	.60	.73	64.0	18.8	4.21	.47	.61	.75	60.5	17.7	4.71	.47	.62	.77	56.5	16.6	5.28	.48	.64	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CBX32MV-060] [CBX40UHV-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1005	475	47.2	13.8	3.35	44.1	12.9	3.30	40.9	12.0	3.25	37.8	11.1	3.20
1200	565	48.1	14.1	3.08	45.0	13.2	3.03	41.9	12.3	2.99	38.7	11.3	2.94
1425	675	49.5	14.5	2.88	46.4	13.6	2.83	43.3	12.7	2.78	40.2	11.8	2.73

SECOND STAGE HEATING CAPACITY - XP19-060 with [CBX32MV-060] [CBX40UHV-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1570	740	66.2	19.4	4.49	50.0	14.7	3.97	32.3	9.5	3.35	24.8	7.3	3.22	12.4	3.6	2.41
1750	825	66.9	19.6	4.34	50.7	14.9	3.82	33.0	9.7	3.20	25.5	7.5	3.07	13.1	3.8	2.25
1895	895	65.8	19.3	4.26	49.6	14.5	3.74	31.9	9.3	3.12	24.4	7.2	2.99	12.0	3.5	2.17

HEATING PERFORMANCE at 1750 cfm (825 L/s) Indoor Coil Air Volume
XP19-060 with [CBX32MV-060] [CBX40UHV-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.34	66.9	19.6
60	16	4.24	63.5	18.6
55	13	4.15	60.0	17.6
50	10	4.05	56.5	16.6
47	8	3.99	54.4	15.9
45	7	3.82	50.7	14.9
40	4	3.38	41.6	12.2
35	2	2.94	32.4	9.5
30	-1	3.07	32.7	9.6
25	-4	3.20	33.0	9.7
20	-7	3.33	33.3	9.8
17	-8	3.41	33.5	9.8
15	-9	3.37	32.1	9.4
10	-12	3.28	28.6	8.4
5	-15	3.07	25.5	7.5
0	-18	2.87	22.4	6.6
-5	-21	2.66	19.3	5.7
-10	-23	2.46	16.2	4.7
-15	-26	2.25	13.1	3.8
-20	-29	2.05	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

AIR HANDLERS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CBX32MV-068]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1180	555	43.0	12.6	2.08	.74	.87	.99	41.0	12.0	2.43	.75	.89	1.00	39.0	11.4	2.83	.77	.91	1.00	36.8	10.8	3.28	.79	.94	1.00
	1325	625	44.0	12.9	2.07	.76	.90	1.00	42.0	12.3	2.42	.78	.92	1.00	40.0	11.7	2.81	.80	.95	1.00	37.8	11.1	3.27	.82	.98	1.00
	1420	670	45.0	13.2	2.07	.78	.92	1.00	43.0	12.6	2.42	.79	.95	1.00	41.0	12.0	2.81	.82	.97	1.00	38.5	11.3	3.27	.84	1.00	1.00
67°F (19°C)	1180	555	45.5	13.3	2.07	.59	.71	.83	44.0	12.9	2.41	.60	.73	.85	42.0	12.3	2.80	.61	.74	.87	39.5	11.6	3.25	.62	.76	.90
	1325	625	47.0	13.8	2.07	.60	.73	.86	45.0	13.2	2.41	.61	.75	.88	43.0	12.6	2.80	.62	.77	.91	40.5	11.9	3.24	.63	.79	.94
	1420	670	47.5	13.9	2.06	.61	.75	.88	45.5	13.3	2.41	.62	.77	.91	43.5	12.7	2.79	.63	.79	.94	41.0	12.0	3.24	.65	.81	.97
71°F (22°C)	1180	555	48.5	14.2	2.06	.46	.57	.69	46.5	13.6	2.40	.46	.58	.70	44.5	13.0	2.79	.46	.59	.71	42.0	12.3	3.23	.46	.60	.73
	1325	625	49.5	14.5	2.06	.46	.59	.71	47.5	13.9	2.40	.46	.59	.72	45.5	13.3	2.78	.47	.61	.74	43.0	12.6	3.22	.48	.62	.76
	1420	670	50.5	14.8	2.06	.47	.60	.72	48.5	14.2	2.40	.47	.61	.73	46.5	13.6	2.77	.48	.62	.76	44.0	12.9	3.21	.48	.63	.78

SECOND STAGE COOLING CAPACITY - XP19-060 with [CBX32MV-068]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1640	775	58.5	17.1	3.68	.74	.87	.99	56.0	16.4	4.13	.76	.89	1.00	53.0	15.5	4.63	.77	.92	1.00	49.5	14.5	5.20	.80	.95	1.00
	1840	870	60.0	17.6	3.70	.77	.90	1.00	57.0	16.7	4.15	.78	.93	1.00	54.0	15.8	4.65	.80	.95	1.00	51.0	14.9	5.21	.83	.99	1.00
	2000	945	61.0	17.9	3.71	.78	.93	1.00	58.5	17.1	4.16	.80	.95	1.00	55.0	16.1	4.67	.83	.98	1.00	51.5	15.1	5.23	.85	1.00	1.00
67°F (19°C)	1640	775	62.0	18.2	3.72	.59	.71	.83	59.5	17.4	4.18	.60	.73	.86	56.0	16.4	4.68	.61	.75	.88	53.0	15.5	5.25	.62	.77	.91
	1840	870	64.0	18.8	3.74	.61	.74	.87	61.0	17.9	4.19	.62	.76	.89	57.5	16.9	4.70	.63	.78	.92	54.5	16.0	5.27	.64	.80	.95
	2000	945	65.0	19.0	3.75	.62	.76	.89	62.0	18.2	4.21	.63	.78	.92	58.5	17.1	4.72	.65	.80	.94	55.0	16.1	5.28	.66	.83	.98
71°F (22°C)	1640	775	66.0	19.3	3.76	.46	.58	.69	63.0	18.5	4.23	.47	.59	.71	59.5	17.4	4.73	.47	.60	.72	56.5	16.6	5.30	.47	.61	.74
	1840	870	68.0	19.9	3.78	.47	.59	.71	64.5	18.9	4.24	.47	.60	.73	61.5	18.0	4.75	.48	.61	.75	58.0	17.0	5.33	.48	.63	.77
	2000	945	69.0	20.2	3.80	.47	.61	.73	66.0	19.3	4.26	.48	.62	.75	62.5	18.3	4.77	.49	.63	.77	58.5	17.1	5.34	.49	.65	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CBX32MV-068]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1180	555	47.6	14.0	3.31	44.4	13.0	3.28	41.3	12.1	3.25	38.1	11.2	3.22
1325	625	48.3	14.2	3.15	45.1	13.2	3.12	42.0	12.3	3.08	38.8	11.4	3.05
1420	670	48.7	14.3	3.06	45.6	13.4	3.03	42.4	12.4	2.99	39.3	11.5	2.96

SECOND STAGE HEATING CAPACITY - XP19-060 with [CBX32MV-068]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1640	775	65.4	19.2	4.69	49.2	14.4	4.13	31.5	9.2	3.47	24.0	7.0	3.33	12.0	3.5	2.47
1840	870	66.3	19.4	4.57	50.1	14.7	4.00	32.4	9.5	3.35	24.9	7.3	3.20	12.9	3.8	2.35
2000	945	66.9	19.6	4.47	50.8	14.9	3.91	33.1	9.7	3.25	25.6	7.5	3.10	13.5	4.0	2.25

HEATING PERFORMANCE at 1840 cfm (870 L/s) Indoor Coil Air Volume
XP19-060 with [CBX32MV-068]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.57	66.3	19.4
60	16	4.46	62.8	18.4
55	13	4.36	59.3	17.4
50	10	4.25	55.8	16.4
47	8	4.19	53.7	15.7
45	7	4.00	50.1	14.7
40	4	3.54	41.0	12.0
35	2	3.08	31.9	9.3
30	-1	3.21	32.2	9.4
25	-4	3.35	32.4	9.5
20	-7	3.48	32.7	9.6
17	-8	3.56	32.8	9.6
15	-9	3.52	31.4	9.2
10	-12	3.41	28.0	8.2
5	-15	3.20	24.9	7.3
0	-18	2.99	21.9	6.4
-5	-21	2.78	18.9	5.5
-10	-23	2.56	15.9	4.7
-15	-26	2.35	12.9	3.8
-20	-29	2.14	9.8	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.0	12.6	2.07	.75	.88	1.00	41.0	12.0	2.41	.76	.90	1.00	39.0	11.4	2.80	.78	.93	1.00	36.6	10.7	3.25	.80	.96	1.00
	1400	660	43.5	12.7	2.06	.76	.90	1.00	41.5	12.2	2.41	.78	.92	1.00	39.5	11.6	2.80	.80	.95	1.00	37.4	11.0	3.24	.82	.98	1.00
	1500	710	44.5	13.0	2.06	.77	.92	1.00	42.5	12.5	2.41	.79	.94	1.00	40.0	11.7	2.79	.81	.97	1.00	37.8	11.1	3.24	.84	1.00	1.00
67°F (19°C)	1300	615	45.5	13.3	2.06	.59	.72	.84	43.5	12.7	2.40	.60	.74	.87	41.5	12.2	2.78	.61	.75	.89	39.0	11.4	3.23	.62	.78	.92
	1400	660	46.0	13.5	2.05	.60	.74	.86	44.0	12.9	2.39	.61	.75	.89	42.0	12.3	2.78	.62	.77	.91	39.5	11.6	3.22	.63	.79	.94
	1500	710	47.0	13.8	2.05	.61	.75	.88	45.0	13.2	2.39	.62	.77	.91	42.5	12.5	2.78	.63	.79	.93	40.0	11.7	3.22	.65	.81	.97
71°F (22°C)	1300	615	48.0	14.1	2.05	.46	.58	.70	46.0	13.5	2.39	.46	.59	.71	44.0	12.9	2.77	.46	.60	.73	41.5	12.2	3.20	.46	.61	.75
	1400	660	49.0	14.4	2.05	.46	.59	.71	47.0	13.8	2.38	.46	.60	.73	44.5	13.0	2.76	.46	.61	.74	42.5	12.5	3.20	.47	.62	.77
	1500	710	49.5	14.5	2.04	.46	.60	.72	47.5	13.9	2.38	.46	.60	.74	45.0	13.2	2.76	.47	.62	.76	43.0	12.6	3.19	.47	.63	.78

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	58.0	17.0	3.66	.75	.88	1.00	55.5	16.3	4.11	.76	.90	1.00	52.0	15.2	4.61	.78	.93	1.00	49.0	14.4	5.16	.81	.96	1.00
	2000	945	59.5	17.4	3.67	.76	.91	1.00	56.5	16.6	4.12	.78	.93	1.00	53.5	15.7	4.62	.80	.96	1.00	50.0	14.7	5.17	.83	.99	1.00
	2200	1040	60.5	17.7	3.69	.78	.93	1.00	57.5	16.9	4.13	.80	.96	1.00	54.5	16.0	4.64	.83	.99	1.00	51.0	14.9	5.19	.86	1.00	1.00
67°F (19°C)	1800	850	61.5	18.0	3.70	.59	.72	.84	58.5	17.1	4.15	.60	.74	.87	55.5	16.3	4.65	.61	.76	.89	52.0	15.2	5.20	.63	.78	.93
	2000	945	63.0	18.5	3.71	.61	.74	.87	60.0	17.6	4.17	.61	.76	.90	56.5	16.6	4.67	.63	.78	.93	53.0	15.5	5.22	.64	.80	.96
	2200	1040	64.0	18.8	3.73	.62	.76	.90	61.0	17.9	4.18	.63	.78	.92	57.5	16.9	4.68	.64	.80	.95	54.0	15.8	5.24	.66	.83	.99
71°F (22°C)	1800	850	65.0	19.0	3.74	.46	.58	.70	62.0	18.2	4.20	.46	.59	.71	59.0	17.3	4.70	.46	.60	.73	55.5	16.3	5.27	.47	.61	.75
	2000	945	67.0	19.6	3.76	.46	.59	.72	63.5	18.6	4.21	.46	.60	.73	60.0	17.6	4.72	.47	.61	.75	56.5	16.6	5.28	.48	.63	.78
	2200	1040	68.0	19.9	3.77	.46	.60	.73	64.5	18.9	4.23	.47	.61	.75	61.0	17.9	4.73	.47	.63	.77	57.5	16.9	5.30	.48	.65	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	48.8	14.3	3.27	45.6	13.4	3.23	42.4	12.4	3.19	39.2	11.5	3.14
1400	660	49.2	14.4	3.17	46.0	13.5	3.13	42.9	12.6	3.08	39.7	11.6	3.04
1500	710	49.6	14.5	3.08	46.4	13.6	3.04	43.3	12.7	3.00	40.1	11.8	2.96

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1800	850	66.4	19.5	4.62	50.2	14.7	4.08	32.5	9.5	3.45	25.1	7.4	3.33	12.6	3.7	2.47
2000	945	67.0	19.6	4.49	50.9	14.9	3.96	33.2	9.7	3.33	25.8	7.6	3.20	13.2	3.9	2.35
2200	1040	67.6	19.8	4.38	51.4	15.1	3.85	33.8	9.9	3.22	26.3	7.7	3.10	13.8	4.0	2.24

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-49C-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.49	67.0	19.6
60	16	4.39	63.6	18.6
55	13	4.30	60.1	17.6
50	10	4.20	56.6	16.6
47	8	4.14	54.6	16.0
45	7	3.96	50.9	14.9
40	4	3.50	41.7	12.2
35	2	3.04	32.6	9.6
30	-1	3.18	32.9	9.6
25	-4	3.33	33.2	9.7
20	-7	3.47	33.5	9.8
17	-8	3.56	33.7	9.9
15	-9	3.52	32.4	9.5
10	-12	3.42	28.9	8.5
5	-15	3.20	25.8	7.6
0	-18	2.99	22.6	6.6
-5	-21	2.78	19.5	5.7
-10	-23	2.56	16.4	4.8
-15	-26	2.35	13.2	3.9
-20	-29	2.13	10.1	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-60D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.06	.76	.90	1.00	41.5	12.2	2.41	.77	.92	1.00	39.5	11.6	2.80	.79	.95	1.00	37.0	10.8	3.25	.81	.98	1.00
	1400	660	44.0	12.9	2.06	.77	.92	1.00	42.0	12.3	2.41	.79	.94	1.00	40.0	11.7	2.80	.81	.97	1.00	37.8	11.1	3.24	.83	1.00	1.00
	1500	710	45.0	13.2	2.06	.79	.94	1.00	43.0	12.6	2.40	.81	.96	1.00	40.5	11.9	2.79	.83	.99	1.00	38.5	11.3	3.23	.85	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.05	.60	.73	.86	44.0	12.9	2.40	.60	.75	.88	42.0	12.3	2.78	.62	.76	.91	39.5	11.6	3.22	.63	.79	.94
	1400	660	47.0	13.8	2.05	.61	.75	.88	45.0	13.2	2.39	.62	.76	.90	42.5	12.5	2.78	.63	.78	.93	40.0	11.7	3.22	.64	.81	.96
	1500	710	47.5	13.9	2.05	.62	.76	.90	45.5	13.3	2.39	.63	.78	.93	43.0	12.6	2.77	.64	.80	.96	40.5	11.9	3.21	.65	.83	.99
71°F (22°C)	1300	615	49.0	14.4	2.04	.45	.58	.70	47.0	13.8	2.38	.46	.59	.72	45.0	13.2	2.76	.46	.60	.74	42.5	12.5	3.20	.46	.61	.76
	1400	660	50.0	14.7	2.04	.46	.59	.72	48.0	14.1	2.38	.46	.60	.73	45.5	13.3	2.76	.47	.61	.76	43.0	12.6	3.19	.47	.63	.78
	1500	710	50.5	14.8	2.04	.46	.60	.74	48.5	14.2	2.38	.46	.61	.75	46.0	13.5	2.75	.47	.62	.77	43.5	12.7	3.19	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-60D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	59.0	17.3	3.66	.76	.90	1.00	56.0	16.4	4.11	.77	.92	1.00	53.0	15.5	4.61	.79	.95	1.00	49.5	14.5	5.16	.82	.98	1.00
	2000	945	60.0	17.6	3.68	.78	.93	1.00	57.0	16.7	4.13	.80	.95	1.00	54.0	15.8	4.63	.82	.98	1.00	50.5	14.8	5.18	.85	1.00	1.00
	2200	1040	61.5	18.0	3.70	.80	.96	1.00	58.5	17.1	4.15	.82	.98	1.00	55.0	16.1	4.64	.85	1.00	1.00	52.0	15.2	5.21	.88	1.00	1.00
67°F (19°C)	1800	850	62.5	18.3	3.71	.60	.73	.86	59.5	17.4	4.16	.61	.75	.89	56.5	16.6	4.66	.62	.77	.91	53.0	15.5	5.22	.63	.79	.95
	2000	945	64.0	18.8	3.73	.61	.75	.89	61.0	17.9	4.18	.62	.77	.92	57.5	16.9	4.68	.63	.80	.95	54.0	15.8	5.23	.65	.82	.98
	2200	1040	65.0	19.0	3.74	.62	.78	.92	62.0	18.2	4.19	.64	.80	.95	58.5	17.1	4.70	.65	.82	.98	54.5	16.0	5.25	.67	.85	1.00
71°F (22°C)	1800	850	66.0	19.3	3.76	.45	.58	.71	63.5	18.6	4.21	.46	.59	.72	60.0	17.6	4.72	.46	.60	.74	56.0	16.4	5.28	.47	.62	.77
	2000	945	68.0	19.9	3.77	.46	.60	.73	64.5	18.9	4.23	.46	.61	.75	61.0	17.9	4.73	.47	.62	.77	57.5	16.9	5.30	.47	.64	.80
	2200	1040	69.0	20.2	3.79	.47	.61	.75	66.0	19.3	4.25	.47	.62	.77	62.5	18.3	4.75	.48	.64	.80	58.5	17.1	5.31	.48	.65	.83

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-60D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	49.2	14.4	3.15	45.9	13.5	3.11	42.7	12.5	3.07	39.5	11.6	3.03
1400	660	49.6	14.5	3.05	46.4	13.6	3.01	43.2	12.7	2.97	39.9	11.7	2.93
1500	710	50.1	14.7	2.97	46.8	13.7	2.93	43.6	12.8	2.90	40.4	11.8	2.86

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-60D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1800	850	66.9	19.6	4.45	50.6	14.8	3.96	32.9	9.6	3.38	25.3	7.4	3.28	12.7	3.7	2.43
2000	945	67.5	19.8	4.33	51.2	15.0	3.84	33.4	9.8	3.26	25.9	7.6	3.15	13.3	3.9	2.31
2200	1040	68.1	20.0	4.23	51.8	15.2	3.74	34.1	10.0	3.16	26.5	7.8	3.06	13.9	4.1	2.21

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-60D-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.33	67.5	19.8
60	16	4.24	64.0	18.8
55	13	4.15	60.5	17.7
50	10	4.06	57.0	16.7
47	8	4.01	54.9	16.1
45	7	3.84	51.2	15.0
40	4	3.40	42.0	12.3
35	2	2.97	32.8	9.6
30	-1	3.11	33.1	9.7
25	-4	3.26	33.4	9.8
20	-7	3.40	33.8	9.9
17	-8	3.49	33.9	9.9
15	-9	3.45	32.5	9.5
10	-12	3.37	29.0	8.5
5	-15	3.15	25.9	7.6
0	-18	2.94	22.8	6.7
-5	-21	2.73	19.6	5.7
-10	-23	2.52	16.5	4.8
-15	-26	2.31	13.3	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	44.5	13.0	2.06	.76	.91	1.00	42.0	12.3	2.40	.78	.93	1.00	40.0	11.7	2.79	.80	.96	1.00	37.8	11.1	3.24	.82	.99	1.00
	1400	660	45.0	13.2	2.06	.78	.93	1.00	43.0	12.6	2.40	.79	.96	1.00	40.5	11.9	2.79	.82	.98	1.00	38.5	11.3	3.23	.84	1.00	1.00
	1500	710	46.0	13.5	2.05	.79	.95	1.00	43.5	12.7	2.40	.81	.98	1.00	41.5	12.2	2.79	.84	1.00	1.00	39.5	11.6	3.23	.86	1.00	1.00
67°F (19°C)	1300	615	47.5	13.9	2.05	.60	.73	.87	45.0	13.2	2.39	.60	.75	.89	43.0	12.6	2.77	.62	.77	.92	40.5	11.9	3.22	.63	.79	.95
	1400	660	48.0	14.1	2.05	.61	.75	.89	46.0	13.5	2.39	.61	.77	.92	43.5	12.7	2.77	.63	.79	.95	41.0	12.0	3.21	.64	.81	.98
	1500	710	49.0	14.4	2.05	.62	.77	.92	46.5	13.6	2.38	.63	.79	.94	44.0	12.9	2.77	.64	.81	.97	41.5	12.2	3.21	.66	.84	1.00
71°F (22°C)	1300	615	50.0	14.7	2.04	.45	.58	.71	48.0	14.1	2.38	.45	.59	.72	45.5	13.3	2.76	.46	.60	.74	43.0	12.6	3.19	.46	.61	.76
	1400	660	51.0	14.9	2.04	.45	.59	.72	49.0	14.4	2.38	.46	.60	.74	46.5	13.6	2.75	.46	.61	.76	43.5	12.7	3.19	.47	.63	.78
	1500	710	52.0	15.2	2.04	.46	.60	.74	49.5	14.5	2.37	.46	.61	.76	47.0	13.8	2.75	.46	.63	.78	44.5	13.0	3.19	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	60.0	17.6	3.68	.76	.91	1.00	57.5	16.9	4.13	.78	.94	1.00	54.0	15.8	4.63	.80	.97	1.00	50.5	14.8	5.18	.83	1.00	1.00
	2000	945	61.5	18.0	3.70	.79	.95	1.00	58.5	17.1	4.15	.81	.97	1.00	55.0	16.1	4.65	.83	1.00	1.00	52.0	15.2	5.21	.86	1.00	1.00
	2200	1040	63.0	18.5	3.71	.81	.98	1.00	59.5	17.4	4.16	.83	1.00	1.00	56.5	16.6	4.67	.86	1.00	1.00	53.5	15.7	5.23	.89	1.00	1.00
67°F (19°C)	1800	850	64.0	18.8	3.73	.60	.74	.87	61.0	17.9	4.18	.61	.75	.90	57.5	16.9	4.68	.62	.78	.93	54.0	15.8	5.24	.64	.80	.96
	2000	945	66.0	19.3	3.75	.61	.76	.91	62.5	18.3	4.20	.62	.78	.94	58.5	17.1	4.70	.64	.81	.97	55.0	16.1	5.25	.66	.83	1.00
	2200	1040	67.0	19.6	3.76	.63	.79	.94	63.5	18.6	4.21	.64	.81	.97	60.0	17.6	4.71	.66	.83	1.00	56.0	16.4	5.27	.67	.87	1.00
71°F (22°C)	1800	850	68.0	19.9	3.77	.45	.58	.71	64.5	18.9	4.23	.45	.59	.73	61.0	17.9	4.73	.46	.61	.75	57.5	16.9	5.29	.46	.62	.78
	2000	945	70.0	20.5	3.79	.46	.60	.74	66.0	19.3	4.25	.46	.61	.76	62.5	18.3	4.75	.47	.62	.78	58.5	17.1	5.31	.47	.64	.81
	2200	1040	71.0	20.8	3.81	.46	.61	.76	67.0	19.6	4.26	.47	.63	.78	63.5	18.6	4.77	.47	.64	.81	59.5	17.4	5.34	.48	.66	.84

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	49.5	14.5	3.05	46.2	13.5	3.03	42.9	12.6	3.00	39.7	11.6	2.97
1400	660	50.0	14.7	2.96	46.7	13.7	2.93	43.4	12.7	2.90	40.1	11.8	2.87
1500	710	50.4	14.8	2.87	47.1	13.8	2.84	43.8	12.8	2.81	40.5	11.9	2.78

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1800	850	67.4	19.8	4.28	50.9	14.9	3.86	32.9	9.6	3.35	25.2	7.4	3.29	12.6	3.7	2.43
2000	945	68.1	20.0	4.16	51.6	15.1	3.74	33.5	9.8	3.22	25.8	7.6	3.17	13.3	3.9	2.30
2200	1040	68.7	20.1	4.08	52.2	15.3	3.66	34.2	10.0	3.15	26.5	7.8	3.09	13.9	4.1	2.23

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62C-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.16	68.1	20.0
60	16	4.09	64.5	18.9
55	13	4.02	61.0	17.9
50	10	3.95	57.4	16.8
47	8	3.90	55.3	16.2
45	7	3.74	51.6	15.1
40	4	3.32	42.3	12.4
35	2	2.91	33.0	9.7
30	-1	3.07	33.3	9.8
25	-4	3.22	33.5	9.8
20	-7	3.38	33.8	9.9
17	-8	3.48	34.0	10.0
15	-9	3.45	32.5	9.5
10	-12	3.38	29.0	8.5
5	-15	3.17	25.8	7.6
0	-18	2.95	22.7	6.7
-5	-21	2.73	19.6	5.7
-10	-23	2.52	16.4	4.8
-15	-26	2.30	13.3	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	44.0	12.9	2.06	.76	.90	1.00	41.5	12.2	2.41	.77	.92	1.00	39.5	11.6	2.79	.79	.95	1.00	37.4	11.0	3.24	.82	.98	1.00
	1400	660	44.5	13.0	2.06	.77	.92	1.00	42.5	12.5	2.41	.79	.94	1.00	40.5	11.9	2.79	.81	.97	1.00	38.0	11.1	3.23	.84	1.00	1.00
	1500	710	45.5	13.3	2.06	.78	.94	1.00	43.0	12.6	2.40	.81	.97	1.00	41.0	12.0	2.79	.83	.99	1.00	39.0	11.4	3.23	.86	1.00	1.00
67°F (19°C)	1300	615	46.5	13.6	2.05	.60	.73	.86	44.5	13.0	2.39	.60	.75	.88	42.5	12.5	2.78	.62	.77	.91	40.0	11.7	3.22	.63	.79	.94
	1400	660	47.5	13.9	2.05	.60	.74	.88	45.0	13.2	2.39	.62	.76	.90	43.0	12.6	2.78	.63	.78	.93	40.5	11.9	3.21	.64	.81	.96
	1500	710	48.0	14.1	2.05	.62	.76	.90	46.0	13.5	2.39	.63	.78	.93	43.5	12.7	2.77	.64	.80	.96	41.0	12.0	3.21	.65	.83	.99
71°F (22°C)	1300	615	49.5	14.5	2.04	.45	.58	.71	47.5	13.9	2.38	.46	.59	.72	45.0	13.2	2.76	.46	.60	.74	42.5	12.5	3.20	.47	.61	.76
	1400	660	50.5	14.8	2.04	.46	.59	.72	48.0	14.1	2.38	.46	.60	.74	46.0	13.5	2.76	.47	.62	.76	43.5	12.7	3.19	.47	.63	.78
	1500	710	51.0	14.9	2.04	.46	.60	.74	49.0	14.4	2.38	.46	.61	.75	46.5	13.6	2.75	.47	.62	.78	44.0	12.9	3.19	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1800	850	59.5	17.4	3.67	.76	.90	1.00	56.5	16.6	4.12	.77	.92	1.00	53.5	15.7	4.62	.80	.95	1.00	50.0	14.7	5.17	.82	.98	1.00
	2000	945	61.0	17.9	3.69	.78	.93	1.00	58.0	17.0	4.14	.80	.95	1.00	54.5	16.0	4.64	.82	.98	1.00	51.5	15.1	5.20	.85	1.00	1.00
	2200	1040	62.5	18.3	3.71	.80	.96	1.00	59.0	17.3	4.16	.82	.98	1.00	56.0	16.4	4.65	.85	1.00	1.00	53.0	15.5	5.22	.88	1.00	1.00
67°F (19°C)	1800	850	63.5	18.6	3.72	.60	.73	.86	60.0	17.6	4.17	.61	.75	.88	57.0	16.7	4.67	.62	.77	.91	53.5	15.7	5.23	.63	.79	.95
	2000	945	64.5	18.9	3.73	.61	.75	.89	61.5	18.0	4.19	.62	.77	.92	58.0	17.0	4.69	.64	.80	.95	54.5	16.0	5.24	.65	.82	.98
	2200	1040	66.0	19.3	3.75	.63	.78	.92	62.5	18.3	4.20	.64	.80	.95	59.0	17.3	4.71	.65	.82	.98	55.5	16.3	5.26	.67	.85	1.00
71°F (22°C)	1800	850	67.0	19.6	3.76	.45	.58	.71	64.0	18.8	4.22	.46	.59	.73	60.5	17.7	4.73	.46	.60	.74	57.0	16.7	5.29	.47	.62	.77
	2000	945	69.0	20.2	3.78	.46	.60	.73	65.0	19.0	4.24	.46	.61	.75	62.0	18.2	4.75	.47	.62	.77	58.0	17.0	5.31	.47	.64	.80
	2200	1040	70.0	20.5	3.80	.47	.61	.75	67.0	19.6	4.26	.47	.63	.77	63.0	18.5	4.76	.48	.64	.80	59.0	17.3	5.33	.48	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	49.2	14.4	3.14	46.0	13.5	3.10	42.8	12.5	3.06	39.5	11.6	3.02
1400	660	49.7	14.6	3.04	46.4	13.6	3.00	43.2	12.7	2.96	40.0	11.7	2.92
1500	710	50.1	14.7	2.95	46.9	13.7	2.92	43.6	12.8	2.88	40.4	11.8	2.84

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1800	850	67.0	19.6	4.43	50.7	14.9	3.94	32.8	9.6	3.36	25.3	7.4	3.27	12.7	3.7	2.42
2000	945	67.7	19.8	4.30	51.3	15.0	3.82	33.5	9.8	3.24	25.9	7.6	3.14	13.3	3.9	2.30
2200	1040	68.2	20.0	4.20	51.9	15.2	3.72	34.0	10.0	3.14	26.5	7.8	3.04	13.9	4.1	2.20

HEATING PERFORMANCE at 2000 cfm (945 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62D-6F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.30	67.7	19.8
60	16	4.22	64.1	18.8
55	13	4.13	60.6	17.8
50	10	4.04	57.1	16.7
47	8	3.99	55.0	16.1
45	7	3.82	51.3	15.0
40	4	3.38	42.1	12.3
35	2	2.95	32.8	9.6
30	-1	3.09	33.2	9.7
25	-4	3.24	33.5	9.8
20	-7	3.39	33.8	9.9
17	-8	3.48	34.0	10.0
15	-9	3.44	32.6	9.6
10	-12	3.35	29.1	8.5
5	-15	3.14	25.9	7.6
0	-18	2.93	22.8	6.7
-5	-21	2.72	19.6	5.7
-10	-23	2.51	16.5	4.8
-15	-26	2.30	13.3	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1250	590	42.5	12.5	2.07	.74	.87	.99	40.5	11.9	2.42	.76	.89	1.00	38.5	11.3	2.81	.77	.92	1.00	36.4	10.7	3.25	.79	.95	1.00
	1425	675	44.0	12.9	2.06	.76	.90	1.00	42.0	12.3	2.41	.78	.93	1.00	39.5	11.6	2.80	.80	.96	1.00	37.4	11.0	3.24	.83	.99	1.00
	1600	755	45.0	13.2	2.06	.79	.94	1.00	43.0	12.6	2.40	.80	.96	1.00	40.5	11.9	2.79	.83	.99	1.00	38.5	11.3	3.23	.86	1.00	1.00
67°F (19°C)	1250	590	45.0	13.2	2.06	.59	.72	.84	43.0	12.6	2.40	.59	.73	.86	41.0	12.0	2.79	.61	.75	.88	38.5	11.3	3.23	.62	.77	.91
	1425	675	46.5	13.6	2.05	.60	.74	.87	44.5	13.0	2.39	.61	.75	.89	42.0	12.3	2.78	.62	.77	.92	40.0	11.7	3.22	.64	.80	.95
	1600	755	47.5	13.9	2.05	.62	.76	.90	45.5	13.3	2.39	.63	.78	.93	43.0	12.6	2.77	.64	.80	.96	41.0	12.0	3.21	.66	.83	.99
71°F (22°C)	1250	590	47.5	13.9	2.05	.45	.58	.69	45.5	13.3	2.39	.45	.58	.70	43.5	12.7	2.77	.46	.59	.72	41.5	12.2	3.21	.46	.60	.74
	1425	675	49.0	14.4	2.05	.46	.59	.71	47.0	13.8	2.38	.46	.60	.73	44.5	13.0	2.76	.47	.61	.75	42.5	12.5	3.20	.47	.62	.77
	1600	755	50.0	14.7	2.04	.46	.61	.74	48.0	14.1	2.38	.47	.61	.75	46.0	13.5	2.76	.47	.63	.78	43.5	12.7	3.19	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1795	845	58.0	17.0	3.66	.75	.88	1.00	55.5	16.3	4.11	.76	.90	1.00	52.0	15.2	4.61	.78	.93	1.00	49.0	14.4	5.15	.81	.96	1.00
	2015	950	59.5	17.4	3.67	.77	.91	1.00	56.5	16.6	4.12	.78	.93	1.00	53.5	15.7	4.62	.81	.96	1.00	50.0	14.7	5.17	.83	.99	1.00
	2255	1065	61.0	17.9	3.69	.79	.94	1.00	58.0	17.0	4.14	.81	.97	1.00	54.5	16.0	4.64	.83	.99	1.00	51.5	15.1	5.20	.86	1.00	1.00
67°F (19°C)	1795	845	61.5	18.0	3.69	.59	.72	.84	58.5	17.1	4.15	.60	.74	.87	55.5	16.3	4.65	.61	.76	.89	52.0	15.2	5.20	.63	.78	.92
	2015	950	63.0	18.5	3.72	.61	.74	.87	60.0	17.6	4.17	.62	.76	.90	56.5	16.6	4.67	.63	.78	.93	53.0	15.5	5.22	.64	.81	.96
	2255	1065	64.5	18.9	3.73	.62	.76	.90	61.5	18.0	4.18	.63	.78	.93	58.0	17.0	4.68	.64	.81	.96	54.5	16.0	5.24	.66	.84	.99
71°F (22°C)	1795	845	65.0	19.0	3.74	.46	.58	.70	62.0	18.2	4.20	.46	.59	.71	59.0	17.3	4.70	.46	.60	.73	55.5	16.3	5.27	.47	.61	.75
	2015	950	67.0	19.6	3.76	.46	.59	.72	63.5	18.6	4.21	.46	.60	.73	60.5	17.7	4.72	.47	.61	.75	56.5	16.6	5.28	.47	.63	.78
	2255	1065	68.0	19.9	3.78	.46	.61	.74	65.0	19.0	4.23	.47	.62	.76	61.5	18.0	4.74	.48	.63	.78	57.5	16.9	5.30	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1250	590	47.7	14.0	3.33	44.5	13.0	3.29	41.3	12.1	3.25	38.1	11.2	3.21
1425	670	48.5	14.2	3.15	45.3	13.3	3.11	42.2	12.4	3.07	39.0	11.4	3.02
1600	755	49.3	14.4	3.01	46.1	13.5	2.97	42.9	12.6	2.93	39.7	11.6	2.88

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1795	845	66.1	19.4	4.62	50.0	14.7	4.09	32.3	9.5	3.46	24.8	7.3	3.34	12.2	3.6	2.48
2015	950	67.2	19.7	4.48	51.1	15.0	3.95	33.4	9.8	3.32	25.9	7.6	3.20	13.3	3.9	2.35
2255	1065	68.4	20.0	4.36	52.2	15.3	3.82	34.5	10.1	3.20	27.0	7.9	3.08	14.5	4.2	2.22

HEATING PERFORMANCE at 2013 cfm (950 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-49C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.48	67.2	19.7
60	16	4.38	63.8	18.7
55	13	4.29	60.3	17.7
50	10	4.19	56.8	16.6
47	8	4.13	54.7	16.0
45	7	3.95	51.1	15.0
40	4	3.49	41.9	12.3
35	2	3.04	32.7	9.6
30	-1	3.18	33.0	9.7
25	-4	3.32	33.4	9.8
20	-7	3.47	33.7	9.9
17	-8	3.55	33.9	9.9
15	-9	3.51	32.5	9.5
10	-12	3.42	29.0	8.5
5	-15	3.20	25.9	7.6
0	-18	2.99	22.8	6.7
-5	-21	2.77	19.6	5.7
-10	-23	2.56	16.5	4.8
-15	-26	2.35	13.3	3.9
-20	-29	2.13	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1215	575	42.0	12.3	2.07	.74	.87	.99	40.5	11.9	2.42	.75	.89	1.00	38.5	11.3	2.81	.77	.91	1.00	36.2	10.6	3.25	.79	.94	1.00
	1345	635	43.0	12.6	2.06	.75	.89	1.00	41.5	12.2	2.41	.77	.91	1.00	39.0	11.4	2.80	.79	.94	1.00	37.0	10.8	3.25	.81	.97	1.00
	1545	730	44.5	13.0	2.06	.78	.93	1.00	42.5	12.5	2.40	.80	.95	1.00	40.5	11.9	2.79	.82	.98	1.00	38.0	11.1	3.23	.85	1.00	1.00
67°F (19°C)	1215	575	44.5	13.0	2.06	.59	.71	.83	42.5	12.5	2.40	.60	.73	.85	40.5	11.9	2.79	.60	.74	.87	38.5	11.3	3.23	.61	.76	.90
	1345	635	46.0	13.5	2.06	.60	.73	.85	44.0	12.9	2.40	.61	.74	.87	41.5	12.2	2.78	.62	.76	.90	39.5	11.6	3.22	.63	.78	.93
	1545	730	47.0	13.8	2.05	.61	.76	.89	45.0	13.2	2.39	.62	.77	.92	43.0	12.6	2.78	.64	.79	.94	40.5	11.9	3.21	.65	.82	.98
71°F (22°C)	1215	575	47.5	13.9	2.05	.45	.57	.69	45.5	13.3	2.39	.45	.58	.70	43.5	12.7	2.77	.46	.59	.71	41.0	12.0	3.21	.46	.60	.73
	1345	635	48.5	14.2	2.05	.46	.58	.70	46.5	13.6	2.38	.46	.59	.72	44.5	13.0	2.76	.46	.60	.74	42.0	12.3	3.20	.47	.61	.76
	1545	730	50.0	14.7	2.04	.46	.60	.73	47.5	13.9	2.38	.46	.61	.75	45.5	13.3	2.76	.47	.62	.77	43.0	12.6	3.19	.47	.64	.79

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1755	830	58.0	17.0	3.65	.74	.87	.99	55.0	16.1	4.10	.76	.90	1.00	52.0	15.2	4.60	.78	.92	1.00	49.0	14.4	5.16	.80	.96	1.00
	1960	925	59.0	17.3	3.67	.76	.90	1.00	56.5	16.6	4.12	.78	.93	1.00	53.0	15.5	4.62	.80	.96	1.00	50.0	14.7	5.17	.83	.99	1.00
	2165	1020	60.5	17.7	3.68	.78	.93	1.00	57.5	16.9	4.13	.80	.95	1.00	54.5	16.0	4.63	.82	.98	1.00	51.0	14.9	5.19	.85	1.00	1.00
67°F (19°C)	1755	830	61.0	17.9	3.69	.59	.72	.84	58.0	17.0	4.15	.60	.73	.86	55.0	16.1	4.65	.61	.75	.89	51.5	15.1	5.20	.62	.77	.92
	1960	925	62.5	18.3	3.71	.60	.74	.87	59.5	17.4	4.16	.61	.75	.89	56.5	16.6	4.66	.62	.77	.92	53.0	15.5	5.22	.64	.80	.95
	2165	1020	64.0	18.8	3.73	.61	.76	.89	61.0	17.9	4.18	.63	.77	.92	57.5	16.9	4.68	.64	.80	.95	54.0	15.8	5.24	.66	.82	.98
71°F (22°C)	1755	830	65.0	19.0	3.74	.46	.58	.69	62.0	18.2	4.19	.46	.59	.71	58.5	17.1	4.70	.46	.60	.73	55.0	16.1	5.26	.47	.61	.75
	1960	925	66.0	19.3	3.76	.46	.59	.71	63.0	18.5	4.21	.46	.60	.73	60.0	17.6	4.72	.47	.61	.75	56.5	16.6	5.28	.47	.63	.77
	2165	1020	68.0	19.9	3.77	.46	.60	.73	64.5	18.9	4.22	.47	.61	.75	61.0	17.9	4.73	.47	.63	.77	57.5	16.9	5.29	.48	.64	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1215	575	47.6	14.0	3.37	44.4	13.0	3.33	41.3	12.1	3.28	38.1	11.2	3.23
1346	635	48.2	14.1	3.23	45.1	13.2	3.18	42.0	12.3	3.13	38.8	11.4	3.09
1543	730	49.2	14.4	3.05	46.1	13.5	3.00	42.9	12.6	2.96	39.8	11.7	2.91

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1754	830	66.1	19.4	4.65	50.0	14.7	4.10	32.3	9.5	3.46	24.9	7.3	3.34	12.2	3.6	2.48
1960	925	67.3	19.7	4.52	51.2	15.0	3.98	33.5	9.8	3.34	26.0	7.6	3.21	13.4	3.9	2.36
2166	1020	68.3	20.0	4.41	52.2	15.3	3.86	34.5	10.1	3.22	27.1	7.9	3.10	14.4	4.2	2.24

HEATING PERFORMANCE at 1960 cfm (925 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-49C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.52	67.3	19.7
60	16	4.42	63.8	18.7
55	13	4.32	60.4	17.7
50	10	4.22	56.9	16.7
47	8	4.16	54.8	16.1
45	7	3.98	51.2	15.0
40	4	3.52	42.0	12.3
35	2	3.05	32.8	9.6
30	-1	3.20	33.1	9.7
25	-4	3.34	33.5	9.8
20	-7	3.48	33.8	9.9
17	-8	3.57	34.0	10.0
15	-9	3.53	32.7	9.6
10	-12	3.43	29.2	8.6
5	-15	3.21	26.0	7.6
0	-18	3.00	22.9	6.7
-5	-21	2.79	19.7	5.8
-10	-23	2.57	16.5	4.8
-15	-26	2.36	13.4	3.9
-20	-29	2.14	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1045	495	40.5	11.9	2.08	.72	.83	.95	38.5	11.3	2.43	.73	.85	.97	36.8	10.8	2.82	.74	.87	.99	34.8	10.2	3.27	.76	.90	1.00
	1180	555	42.0	12.3	2.07	.73	.86	.98	40.0	11.7	2.42	.75	.88	1.00	38.0	11.1	2.81	.76	.90	1.00	35.8	10.5	3.26	.78	.93	1.00
	1300	615	43.0	12.6	2.07	.75	.88	1.00	41.0	12.0	2.41	.76	.90	1.00	39.0	11.4	2.80	.78	.93	1.00	36.6	10.7	3.25	.80	.96	1.00
67°F (19°C)	1045	495	43.0	12.6	2.07	.58	.69	.80	41.0	12.0	2.41	.58	.70	.81	39.0	11.4	2.80	.59	.71	.83	37.0	10.8	3.25	.60	.73	.86
	1180	555	44.5	13.0	2.06	.59	.71	.82	42.5	12.5	2.41	.59	.72	.84	40.5	11.9	2.79	.60	.74	.86	38.0	11.1	3.24	.61	.75	.89
	1300	615	45.5	13.3	2.06	.59	.72	.84	43.5	12.7	2.40	.60	.74	.87	41.5	12.2	2.78	.61	.75	.89	39.0	11.4	3.23	.62	.78	.92
71°F (22°C)	1045	495	45.5	13.3	2.06	.45	.56	.66	44.0	12.9	2.40	.45	.56	.67	42.0	12.3	2.78	.45	.57	.68	39.5	11.6	3.23	.45	.58	.70
	1180	555	47.0	13.8	2.05	.45	.57	.68	45.0	13.2	2.39	.45	.58	.69	43.0	12.6	2.77	.46	.59	.71	40.5	11.9	3.21	.46	.60	.73
	1300	615	48.0	14.1	2.05	.46	.58	.70	46.0	13.5	2.39	.46	.59	.71	44.0	12.9	2.77	.46	.60	.73	41.5	12.2	3.20	.46	.61	.75

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1790	845	58.0	17.0	3.66	.75	.88	1.00	55.5	16.3	4.11	.76	.90	1.00	52.0	15.2	4.60	.78	.93	1.00	49.0	14.4	5.15	.81	.96	1.00
	1995	940	59.5	17.4	3.67	.76	.91	1.00	56.5	16.6	4.12	.78	.93	1.00	53.5	15.7	4.62	.80	.96	1.00	50.0	14.7	5.17	.83	.99	1.00
	2210	1045	60.5	17.7	3.69	.78	.93	1.00	57.5	16.9	4.14	.80	.96	1.00	54.5	16.0	4.64	.83	.99	1.00	51.0	14.9	5.19	.86	1.00	1.00
67°F (19°C)	1790	845	61.5	18.0	3.69	.59	.72	.84	58.5	17.1	4.15	.60	.74	.87	55.5	16.3	4.65	.61	.76	.89	52.0	15.2	5.20	.63	.78	.92
	1995	940	63.0	18.5	3.71	.61	.74	.87	59.5	17.4	4.16	.61	.76	.89	56.5	16.6	4.67	.63	.78	.92	53.0	15.5	5.22	.64	.80	.96
	2210	1045	64.0	18.8	3.73	.62	.76	.90	61.0	17.9	4.18	.63	.78	.92	57.5	16.9	4.68	.64	.80	.96	54.0	15.8	5.24	.66	.83	.99
71°F (22°C)	1790	845	65.0	19.0	3.74	.46	.58	.70	62.0	18.2	4.20	.46	.59	.71	59.0	17.3	4.70	.46	.60	.73	55.5	16.3	5.27	.47	.61	.75
	1995	940	67.0	19.6	3.76	.46	.59	.72	63.5	18.6	4.21	.46	.60	.73	60.0	17.6	4.72	.47	.61	.75	56.5	16.6	5.28	.47	.63	.78
	2210	1045	68.0	19.9	3.77	.46	.60	.74	64.5	18.9	4.23	.47	.61	.75	61.5	18.0	4.74	.47	.63	.78	57.5	16.9	5.30	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1045	495	46.6	13.7	3.64	43.6	12.8	3.57	40.5	11.9	3.51	37.5	11.0	3.45
1180	555	47.3	13.9	3.43	44.3	13.0	3.37	41.2	12.1	3.31	38.2	11.2	3.25
1300	615	48.0	14.1	3.29	44.9	13.2	3.22	41.9	12.3	3.16	38.8	11.4	3.10

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-49C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1790	845	66.3	19.4	4.63	50.1	14.7	4.09	32.4	9.5	3.45	24.9	7.3	3.33	12.3	3.6	2.47
1995	940	67.4	19.8	4.50	51.2	15.0	3.96	33.5	9.8	3.33	26.0	7.6	3.21	13.4	3.9	2.35
2210	1045	68.4	20.0	4.38	52.2	15.3	3.84	34.4	10.1	3.21	26.9	7.9	3.08	14.3	4.2	2.23

HEATING PERFORMANCE at 1995 cfm (940 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-49C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.50	67.4	19.8
60	16	4.41	63.9	18.7
55	13	4.31	60.5	17.7
50	10	4.21	57.0	16.7
47	8	4.15	54.9	16.1
45	7	3.96	51.2	15.0
40	4	3.50	42.0	12.3
35	2	3.04	32.8	9.6
30	-1	3.18	33.1	9.7
25	-4	3.33	33.5	9.8
20	-7	3.47	33.8	9.9
17	-8	3.56	34.0	10.0
15	-9	3.52	32.6	9.6
10	-12	3.42	29.1	8.5
5	-15	3.21	26.0	7.6
0	-18	2.99	22.8	6.7
-5	-21	2.78	19.7	5.8
-10	-23	2.56	16.5	4.8
-15	-26	2.35	13.4	3.9
-20	-29	2.14	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1250	590	44.0	12.9	2.06	.75	.89	1.00	42.0	12.3	2.41	.77	.92	1.00	39.5	11.6	2.80	.79	.94	1.00	37.4	11.0	3.24	.81	.98	1.00
	1425	675	45.5	13.3	2.06	.78	.94	1.00	43.0	12.6	2.40	.80	.96	1.00	41.0	12.0	2.79	.82	.99	1.00	38.5	11.3	3.23	.85	1.00	1.00
	1600	755	46.5	13.6	2.05	.81	.98	1.00	44.5	13.0	2.40	.83	1.00	1.00	42.5	12.5	2.78	.86	1.00	1.00	40.0	11.7	3.22	.89	1.00	1.00
67°F (19°C)	1250	590	47.0	13.8	2.05	.59	.72	.86	45.0	13.2	2.39	.60	.74	.88	42.5	12.5	2.78	.61	.76	.90	40.0	11.7	3.21	.62	.78	.94
	1425	675	48.5	14.2	2.05	.61	.75	.90	46.0	13.5	2.39	.62	.77	.92	43.5	12.7	2.77	.63	.79	.95	41.0	12.0	3.21	.65	.82	.98
	1600	755	49.5	14.5	2.04	.63	.78	.94	47.0	13.8	2.38	.64	.81	.97	45.0	13.2	2.76	.65	.83	.99	42.0	12.3	3.20	.67	.86	1.00
71°F (22°C)	1250	590	49.5	14.5	2.04	.45	.57	.70	47.5	13.9	2.38	.45	.58	.71	45.0	13.2	2.76	.45	.59	.73	42.5	12.5	3.20	.46	.61	.75
	1425	675	51.5	15.1	2.04	.46	.60	.73	49.0	14.4	2.37	.46	.60	.75	46.5	13.6	2.75	.46	.61	.77	44.0	12.9	3.19	.47	.63	.79
	1600	755	52.5	15.4	2.04	.46	.61	.76	50.5	14.8	2.37	.47	.63	.78	47.5	13.9	2.75	.47	.64	.80	45.0	13.2	3.18	.48	.66	.83

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1795	845	60.0	17.6	3.68	.76	.91	1.00	57.0	16.7	4.13	.78	.94	1.00	54.0	15.8	4.63	.80	.97	1.00	50.5	14.8	5.18	.83	1.00	1.00
	2015	950	62.0	18.2	3.70	.79	.95	1.00	58.5	17.1	4.15	.81	.97	1.00	55.5	16.3	4.65	.83	1.00	1.00	52.0	15.2	5.21	.86	1.00	1.00
	2255	1065	63.0	18.5	3.72	.82	.99	1.00	60.0	17.6	4.17	.84	1.00	1.00	57.0	16.7	4.68	.87	1.00	1.00	54.0	15.8	5.24	.90	1.00	1.00
67°F (19°C)	1795	845	64.0	18.8	3.73	.60	.74	.87	61.0	17.9	4.18	.61	.75	.90	57.5	16.9	4.68	.62	.77	.93	54.0	15.8	5.24	.64	.80	.96
	2015	950	66.0	19.3	3.75	.61	.76	.91	62.5	18.3	4.20	.62	.78	.94	59.0	17.3	4.70	.64	.81	.97	55.0	16.1	5.25	.66	.84	1.00
	2255	1065	67.0	19.6	3.76	.63	.80	.95	63.5	18.6	4.22	.64	.82	.98	60.0	17.6	4.72	.66	.84	1.00	56.0	16.4	5.27	.68	.87	1.00
71°F (22°C)	1795	845	68.0	19.9	3.77	.45	.58	.71	64.5	18.9	4.23	.45	.59	.73	61.0	17.9	4.73	.46	.61	.75	57.5	16.9	5.29	.46	.62	.77
	2015	950	70.0	20.5	3.80	.46	.60	.74	66.0	19.3	4.25	.46	.61	.76	62.5	18.3	4.75	.47	.62	.78	58.5	17.1	5.31	.47	.64	.81
	2255	1065	71.0	20.8	3.81	.47	.62	.77	68.0	19.9	4.27	.47	.63	.79	64.0	18.8	4.78	.47	.65	.82	60.0	17.6	5.34	.48	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1250	590	48.4	14.2	3.11	45.1	13.2	3.08	41.8	12.3	3.06	38.5	11.3	3.03
1425	670	49.2	14.4	2.93	45.9	13.5	2.91	42.6	12.5	2.88	39.3	11.5	2.86
1600	755	49.9	14.6	2.79	46.6	13.7	2.77	43.4	12.7	2.74	40.1	11.8	2.72

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G60UHV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1795	845	67.1	19.7	4.28	50.6	14.8	3.86	32.5	9.5	3.35	24.8	7.3	3.30	12.3	3.6	2.43
2015	950	68.1	20.0	4.15	51.6	15.1	3.73	33.6	9.8	3.22	25.9	7.6	3.16	13.3	3.9	2.30
2255	1065	69.4	20.3	4.06	52.9	15.5	3.64	34.8	10.2	3.13	27.1	7.9	3.07	14.6	4.3	2.21

HEATING PERFORMANCE at 2015 cfm (950 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.15	68.1	20.0
60	16	4.08	64.6	18.9
55	13	4.01	61.0	17.9
50	10	3.94	57.5	16.9
47	8	3.90	55.3	16.2
45	7	3.73	51.6	15.1
40	4	3.32	42.3	12.4
35	2	2.90	33.0	9.7
30	-1	3.06	33.3	9.8
25	-4	3.22	33.6	9.8
20	-7	3.38	33.8	9.9
17	-8	3.48	34.0	10.0
15	-9	3.45	32.5	9.5
10	-12	3.38	29.0	8.5
5	-15	3.16	25.9	7.6
0	-18	2.95	22.7	6.7
-5	-21	2.73	19.6	5.7
-10	-23	2.52	16.5	4.8
-15	-26	2.30	13.3	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1215	575	43.5	12.7	2.06	.74	.89	1.00	41.5	12.2	2.41	.76	.91	1.00	39.5	11.6	2.80	.78	.93	1.00	37.2	10.9	3.25	.80	.96	1.00
	1345	635	44.5	13.0	2.06	.77	.92	1.00	42.5	12.5	2.40	.79	.94	1.00	40.5	11.9	2.79	.80	.97	1.00	38.0	11.1	3.24	.83	1.00	1.00
	1545	730	46.0	13.5	2.05	.80	.96	1.00	44.0	12.9	2.40	.82	.99	1.00	42.0	12.3	2.78	.85	1.00	1.00	39.5	11.6	3.22	.87	1.00	1.00
67°F (19°C)	1215	575	46.5	13.6	2.05	.59	.72	.85	44.5	13.0	2.39	.60	.73	.87	42.0	12.3	2.78	.61	.75	.89	40.0	11.7	3.22	.62	.77	.92
	1345	635	47.5	13.9	2.05	.60	.74	.88	45.5	13.3	2.39	.61	.76	.90	43.0	12.6	2.77	.62	.78	.93	40.5	11.9	3.21	.64	.80	.96
	1545	730	49.0	14.4	2.04	.62	.78	.93	47.0	13.8	2.38	.63	.79	.95	44.5	13.0	2.77	.65	.82	.98	42.0	12.3	3.21	.66	.85	1.00
71°F (22°C)	1215	575	49.5	14.5	2.04	.45	.57	.69	47.5	13.9	2.38	.45	.58	.70	45.0	13.2	2.76	.45	.59	.72	42.5	12.5	3.20	.46	.60	.74
	1345	635	50.5	14.8	2.04	.45	.59	.72	48.5	14.2	2.38	.45	.59	.73	46.0	13.5	2.75	.46	.61	.75	43.5	12.7	3.19	.46	.62	.77
	1545	730	52.0	15.2	2.04	.46	.61	.75	50.0	14.7	2.37	.46	.62	.77	47.5	13.9	2.75	.47	.63	.79	44.5	13.0	3.19	.47	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1755	830	60.0	17.6	3.68	.76	.90	1.00	57.0	16.7	4.13	.78	.93	1.00	53.5	15.7	4.62	.80	.96	1.00	50.0	14.7	5.17	.82	.99	1.00
	1960	925	61.5	18.0	3.70	.78	.94	1.00	58.0	17.0	4.14	.80	.96	1.00	55.0	16.1	4.64	.83	.99	1.00	51.5	15.1	5.20	.85	1.00	1.00
	2165	1020	62.5	18.3	3.71	.81	.97	1.00	59.5	17.4	4.16	.83	1.00	1.00	56.5	16.6	4.66	.86	1.00	1.00	53.0	15.5	5.23	.89	1.00	1.00
67°F (19°C)	1755	830	64.0	18.8	3.73	.59	.73	.87	60.5	17.7	4.18	.60	.75	.89	57.5	16.9	4.68	.62	.77	.92	53.5	15.7	5.23	.63	.79	.95
	1960	925	65.0	19.0	3.74	.61	.76	.90	62.0	18.2	4.19	.62	.78	.93	58.5	17.1	4.70	.63	.80	.96	54.5	16.0	5.25	.65	.83	.99
	2165	1020	67.0	19.6	3.76	.62	.78	.94	63.0	18.5	4.21	.64	.80	.96	59.5	17.4	4.71	.65	.83	.99	56.0	16.4	5.27	.67	.86	1.00
71°F (22°C)	1755	830	68.0	19.9	3.77	.45	.58	.71	64.5	18.9	4.22	.45	.59	.72	61.0	17.9	4.73	.46	.60	.74	57.0	16.7	5.28	.46	.62	.77
	1960	925	69.0	20.2	3.79	.46	.60	.73	66.0	19.3	4.25	.46	.61	.75	62.0	18.2	4.75	.46	.62	.77	58.0	17.0	5.31	.47	.64	.80
	2165	1020	71.0	20.8	3.81	.47	.61	.76	67.0	19.6	4.26	.47	.62	.78	63.5	18.6	4.76	.47	.64	.80	59.5	17.4	5.33	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1215	575	48.3	14.2	3.16	45.0	13.2	3.13	41.8	12.3	3.10	38.5	11.3	3.07
1345	635	49.0	14.4	3.01	45.7	13.4	2.98	42.4	12.4	2.95	39.2	11.5	2.92
1545	730	49.9	14.6	2.83	46.6	13.7	2.81	43.4	12.7	2.78	40.1	11.8	2.75

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1755	830	67.1	19.7	4.32	50.6	14.8	3.89	32.6	9.6	3.37	24.9	7.3	3.31	12.3	3.6	2.44
1960	925	68.2	20.0	4.19	51.7	15.2	3.76	33.7	9.9	3.24	26.0	7.6	3.17	13.4	3.9	2.31
2165	1020	69.4	20.3	4.10	52.9	15.5	3.67	34.8	10.2	3.15	27.2	8.0	3.09	14.5	4.2	2.23

HEATING PERFORMANCE at 1960 cfm (925 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62C-6F + G61MPV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.19	68.2	20.0
60	16	4.11	64.7	19.0
55	13	4.04	61.1	17.9
50	10	3.97	57.6	16.9
47	8	3.93	55.4	16.2
45	7	3.76	51.7	15.2
40	4	3.34	42.4	12.4
35	2	2.92	33.1	9.7
30	-1	3.08	33.4	9.8
25	-4	3.24	33.7	9.9
20	-7	3.40	34.0	10.0
17	-8	3.49	34.1	10.0
15	-9	3.46	32.7	9.6
10	-12	3.39	29.2	8.6
5	-15	3.17	26.0	7.6
0	-18	2.96	22.9	6.7
-5	-21	2.74	19.7	5.8
-10	-23	2.53	16.6	4.9
-15	-26	2.31	13.4	3.9
-20	-29	2.10	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1045	495	42.0	12.3	2.07	.72	.85	.97	40.0	11.7	2.42	.73	.86	.99	38.0	11.1	2.82	.75	.89	1.00	35.8	10.5	3.25	.76	.91	1.00
	1180	555	43.5	12.7	2.06	.74	.88	1.00	41.5	12.2	2.41	.75	.90	1.00	39.0	11.4	2.80	.77	.92	1.00	36.8	10.8	3.25	.79	.95	1.00
	1300	615	44.5	13.0	2.06	.76	.91	1.00	42.0	12.3	2.40	.78	.93	1.00	40.0	11.7	2.79	.80	.96	1.00	37.8	11.1	3.24	.82	.99	1.00
67°F (19°C)	1045	495	45.0	13.2	2.06	.57	.69	.81	43.0	12.6	2.40	.58	.70	.83	40.5	11.9	2.79	.59	.72	.85	38.5	11.3	3.23	.60	.74	.87
	1180	555	46.0	13.5	2.05	.58	.71	.84	44.0	12.9	2.40	.59	.73	.86	42.0	12.3	2.78	.60	.74	.88	39.5	11.6	3.22	.61	.76	.91
	1300	615	47.5	13.9	2.05	.60	.73	.87	45.0	13.2	2.39	.60	.75	.89	43.0	12.6	2.78	.62	.77	.92	40.5	11.9	3.22	.63	.79	.95
71°F (22°C)	1045	495	47.5	13.9	2.05	.44	.55	.66	45.5	13.3	2.39	.44	.56	.68	43.0	12.6	2.77	.44	.57	.69	41.0	12.0	3.21	.45	.58	.71
	1180	555	49.0	14.4	2.04	.44	.57	.69	47.0	13.8	2.38	.45	.57	.70	44.5	13.0	2.76	.45	.59	.72	42.0	12.3	3.20	.45	.60	.74
	1300	615	50.0	14.7	2.04	.45	.58	.71	48.0	14.1	2.38	.45	.59	.72	45.5	13.3	2.76	.46	.60	.74	43.0	12.6	3.19	.46	.61	.76

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1790	845	60.0	17.6	3.68	.76	.91	1.00	57.0	16.7	4.13	.78	.93	1.00	54.0	15.8	4.63	.80	.97	1.00	50.5	14.8	5.18	.83	1.00	1.00
	1995	940	61.5	18.0	3.70	.79	.94	1.00	58.5	17.1	4.15	.81	.97	1.00	55.0	16.1	4.64	.83	1.00	1.00	52.0	15.2	5.21	.86	1.00	1.00
	2210	1045	63.0	18.5	3.71	.82	.98	1.00	59.5	17.4	4.16	.84	1.00	1.00	56.5	16.6	4.67	.86	1.00	1.00	53.5	15.7	5.23	.90	1.00	1.00
67°F (19°C)	1790	845	64.0	18.8	3.73	.60	.74	.87	61.0	17.9	4.18	.61	.75	.90	57.5	16.9	4.68	.62	.77	.93	54.0	15.8	5.24	.64	.80	.96
	1995	940	66.0	19.3	3.75	.61	.76	.91	62.5	18.3	4.20	.62	.78	.93	58.5	17.1	4.70	.64	.80	.97	55.0	16.1	5.25	.66	.83	1.00
	2210	1045	67.0	19.6	3.76	.63	.79	.94	63.5	18.6	4.21	.64	.81	.97	60.0	17.6	4.71	.66	.84	1.00	56.0	16.4	5.27	.68	.87	1.00
71°F (22°C)	1790	845	68.0	19.9	3.77	.45	.58	.71	64.5	18.9	4.23	.45	.59	.73	61.0	17.9	4.73	.46	.60	.75	57.5	16.9	5.29	.46	.62	.77
	1995	940	69.0	20.2	3.79	.46	.60	.74	66.0	19.3	4.25	.46	.61	.75	62.5	18.3	4.75	.46	.62	.78	58.5	17.1	5.31	.47	.64	.81
	2210	1045	71.0	20.8	3.81	.46	.62	.76	67.0	19.6	4.26	.47	.63	.78	63.5	18.6	4.77	.47	.64	.81	59.5	17.4	5.34	.48	.66	.84

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1045	495	47.2	13.8	3.41	44.1	12.9	3.36	40.9	12.0	3.32	37.8	11.1	3.27
1180	555	47.9	14.0	3.21	44.8	13.1	3.16	41.6	12.2	3.12	38.5	11.3	3.07
1300	615	48.6	14.2	3.07	45.5	13.3	3.02	42.3	12.4	2.98	39.2	11.5	2.93

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62C-6F + G61MPV-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1790	845	67.3	19.7	4.29	50.7	14.9	3.86	32.7	9.6	3.35	25.0	7.3	3.29	12.4	3.6	2.43
1995	940	68.2	20.0	4.16	51.7	15.2	3.74	33.7	9.9	3.23	26.0	7.6	3.17	13.4	3.9	2.31
2210	1045	69.4	20.3	4.08	52.8	15.5	3.66	34.8	10.2	3.14	27.1	7.9	3.08	14.5	4.2	2.22

HEATING PERFORMANCE at 1995 cfm (940 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62C-6F + G61MPV-60C-110]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.16	68.2	20.0
60	16	4.09	64.7	19.0
55	13	4.02	61.1	17.9
50	10	3.95	57.6	16.9
47	8	3.91	55.4	16.2
45	7	3.74	51.7	15.2
40	4	3.32	42.4	12.4
35	2	2.91	33.1	9.7
30	-1	3.07	33.4	9.8
25	-4	3.23	33.7	9.9
20	-7	3.39	33.9	9.9
17	-8	3.48	34.1	10.0
15	-9	3.45	32.7	9.6
10	-12	3.38	29.1	8.5
5	-15	3.17	26.0	7.6
0	-18	2.95	22.8	6.7
-5	-21	2.74	19.7	5.8
-10	-23	2.52	16.5	4.8
-15	-26	2.31	13.4	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1205	570	43.0	12.6	2.07	.74	.88	1.00	41.0	12.0	2.42	.76	.90	1.00	39.0	11.4	2.80	.77	.92	1.00	36.8	10.8	3.25	.80	.95	1.00
	1350	635	44.0	12.9	2.06	.76	.91	1.00	42.0	12.3	2.41	.78	.93	1.00	40.0	11.7	2.79	.80	.96	1.00	37.8	11.1	3.23	.83	.99	1.00
	1495	705	45.0	13.2	2.06	.78	.94	1.00	43.0	12.6	2.40	.81	.96	1.00	41.0	12.0	2.79	.83	.99	1.00	39.0	11.4	3.23	.85	1.00	1.00
67°F (19°C)	1205	570	45.5	13.3	2.06	.59	.72	.84	43.5	12.7	2.40	.60	.73	.86	41.5	12.2	2.78	.60	.75	.88	39.5	11.6	3.22	.62	.77	.91
	1350	635	47.0	13.8	2.05	.60	.74	.87	45.0	13.2	2.39	.61	.75	.89	42.5	12.5	2.78	.62	.77	.92	40.5	11.9	3.22	.64	.80	.95
	1495	705	48.0	14.1	2.05	.62	.76	.90	46.0	13.5	2.39	.63	.77	.93	43.5	12.7	2.77	.64	.80	.95	41.0	12.0	3.21	.65	.83	.99
71°F (22°C)	1205	570	48.5	14.2	2.05	.45	.57	.69	46.5	13.6	2.38	.45	.58	.70	44.5	13.0	2.76	.46	.59	.72	42.0	12.3	3.20	.46	.60	.73
	1350	635	50.0	14.7	2.04	.46	.59	.71	48.0	14.1	2.38	.46	.59	.73	45.5	13.3	2.76	.46	.61	.75	43.0	12.6	3.19	.47	.62	.77
	1495	705	51.0	14.9	2.04	.46	.60	.74	49.0	14.4	2.38	.46	.61	.75	46.5	13.6	2.75	.47	.62	.77	44.0	12.9	3.19	.47	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1745	825	59.0	17.3	3.67	.75	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	53.0	15.5	4.62	.79	.94	1.00	50.0	14.7	5.17	.81	.97	1.00
	1945	920	60.5	17.7	3.69	.77	.92	1.00	57.5	16.9	4.14	.79	.95	1.00	54.5	16.0	4.64	.81	.97	1.00	51.0	14.9	5.19	.84	1.00	1.00
	2140	1010	62.0	18.2	3.70	.79	.95	1.00	59.0	17.3	4.15	.82	.97	1.00	55.5	16.3	4.65	.84	1.00	1.00	52.5	15.4	5.22	.87	1.00	1.00
67°F (19°C)	1745	825	63.0	18.5	3.71	.60	.73	.85	60.0	17.6	4.17	.60	.74	.88	56.5	16.6	4.67	.61	.76	.90	53.0	15.5	5.23	.63	.79	.94
	1945	920	64.5	18.9	3.73	.61	.75	.88	61.0	17.9	4.18	.62	.77	.91	58.0	17.0	4.68	.63	.79	.94	54.5	16.0	5.24	.65	.81	.97
	2140	1010	65.0	19.0	3.74	.62	.77	.91	62.5	18.3	4.20	.63	.79	.94	59.0	17.3	4.70	.65	.81	.97	55.0	16.1	5.26	.66	.84	1.00
71°F (22°C)	1745	825	67.0	19.6	3.76	.45	.58	.70	63.5	18.6	4.21	.46	.59	.72	60.0	17.6	4.72	.46	.60	.73	56.5	16.6	5.28	.47	.61	.76
	1945	920	68.0	19.9	3.78	.46	.59	.72	65.0	19.0	4.23	.46	.60	.74	61.5	18.0	4.74	.47	.62	.76	58.0	17.0	5.30	.47	.63	.79
	2140	1010	70.0	20.5	3.79	.47	.60	.75	66.0	19.3	4.25	.47	.62	.76	62.5	18.3	4.76	.47	.63	.79	59.0	17.3	5.32	.48	.65	.82

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1205	570	47.8	14.0	3.24	44.5	13.0	3.20	41.3	12.1	3.16	38.1	11.2	3.12
1350	635	48.5	14.2	3.09	45.2	13.2	3.05	42.0	12.3	3.01	38.8	11.4	2.97
1495	705	49.1	14.4	2.96	45.8	13.4	2.92	42.6	12.5	2.88	39.4	11.5	2.84

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1745	825	66.2	19.4	4.48	50.0	14.7	3.98	32.2	9.4	3.40	24.7	7.2	3.29	12.3	3.6	2.44
1945	920	67.0	19.6	4.34	50.8	14.9	3.85	33.0	9.7	3.26	25.5	7.5	3.16	13.1	3.8	2.31
2140	1010	67.9	19.9	4.24	51.6	15.1	3.75	33.9	9.9	3.16	26.3	7.7	3.05	14.0	4.1	2.21

HEATING PERFORMANCE at 1945 cfm (920 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.34	67.0	19.6
60	16	4.25	63.5	18.6
55	13	4.16	60.0	17.6
50	10	4.08	56.5	16.6
47	8	4.02	54.4	15.9
45	7	3.85	50.8	14.9
40	4	3.41	41.6	12.2
35	2	2.97	32.4	9.5
30	-1	3.12	32.7	9.6
25	-4	3.26	33.0	9.7
20	-7	3.41	33.3	9.8
17	-8	3.49	33.5	9.8
15	-9	3.46	32.1	9.4
10	-12	3.37	28.6	8.4
5	-15	3.16	25.5	7.5
0	-18	2.94	22.4	6.6
-5	-21	2.73	19.3	5.7
-10	-23	2.52	16.2	4.7
-15	-26	2.31	13.1	3.8
-20	-29	2.10	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

UP-FLOW INDOOR COIL WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1235	585	43.0	12.6	2.06	.74	.88	1.00	41.5	12.2	2.41	.76	.90	1.00	39.0	11.4	2.80	.77	.93	1.00	37.0	10.8	3.24	.80	.96	1.00
	1390	655	44.5	13.0	2.06	.77	.91	1.00	42.5	12.5	2.41	.79	.94	1.00	40.5	11.9	2.79	.81	.97	1.00	38.0	11.1	3.23	.83	1.00	1.00
	1540	725	45.5	13.3	2.06	.78	.95	1.00	43.5	12.7	2.40	.81	.97	1.00	41.0	12.0	2.79	.84	1.00	1.00	39.0	11.4	3.23	.86	1.00	1.00
67°F (19°C)	1235	585	46.0	13.5	2.05	.59	.72	.85	44.0	12.9	2.39	.60	.74	.87	42.0	12.3	2.78	.61	.75	.89	39.5	11.6	3.22	.62	.78	.92
	1390	655	47.0	13.8	2.05	.60	.75	.88	45.0	13.2	2.39	.61	.76	.90	43.0	12.6	2.78	.63	.78	.93	40.5	11.9	3.22	.64	.81	.96
	1540	725	48.5	14.2	2.05	.62	.77	.91	46.0	13.5	2.39	.63	.79	.94	44.0	12.9	2.77	.64	.81	.97	41.5	12.2	3.21	.66	.84	.99
71°F (22°C)	1235	585	49.0	14.4	2.05	.45	.58	.70	47.0	13.8	2.38	.45	.58	.71	44.5	13.0	2.76	.46	.59	.72	42.0	12.3	3.20	.46	.61	.75
	1390	655	50.0	14.7	2.04	.46	.59	.72	48.0	14.1	2.38	.46	.59	.73	46.0	13.5	2.76	.46	.61	.75	43.5	12.7	3.19	.47	.63	.78
	1540	725	51.5	15.1	2.04	.46	.61	.74	49.0	14.4	2.38	.47	.62	.76	46.5	13.6	2.75	.47	.63	.78	44.0	12.9	3.19	.48	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CX34-62D-6F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1780	840	59.5	17.4	3.67	.76	.89	1.00	56.5	16.6	4.12	.77	.92	1.00	53.5	15.7	4.62	.79	.95	1.00	50.0	14.7	5.17	.82	.98	1.00
	1985	935	61.0	17.9	3.69	.78	.93	1.00	58.0	17.0	4.14	.80	.95	1.00	54.5	16.0	4.64	.82	.98	1.00	51.0	14.9	5.20	.85	1.00	1.00
	2190	1035	62.0	18.2	3.71	.80	.95	1.00	59.0	17.3	4.16	.82	.98	1.00	56.0	16.4	4.65	.85	1.00	1.00	53.0	15.5	5.22	.88	1.00	1.00
67°F (19°C)	1780	840	63.0	18.5	3.72	.60	.73	.86	60.0	17.6	4.17	.61	.75	.88	57.0	16.7	4.67	.62	.77	.91	53.5	15.7	5.23	.63	.79	.94
	1985	935	64.5	18.9	3.73	.61	.75	.89	61.5	18.0	4.19	.62	.77	.91	58.0	17.0	4.69	.63	.79	.95	54.5	16.0	5.24	.65	.82	.98
	2190	1035	66.0	19.3	3.75	.62	.78	.92	62.5	18.3	4.20	.64	.80	.95	59.0	17.3	4.71	.65	.82	.98	55.5	16.3	5.26	.67	.85	1.00
71°F (22°C)	1780	840	67.0	19.6	3.76	.45	.58	.71	64.0	18.8	4.22	.46	.59	.72	60.5	17.7	4.73	.46	.60	.74	57.0	16.7	5.28	.47	.62	.76
	1985	935	68.0	19.9	3.78	.46	.60	.73	65.0	19.0	4.24	.46	.61	.75	62.0	18.2	4.74	.47	.62	.77	58.0	17.0	5.31	.47	.64	.79
	2190	1035	70.0	20.5	3.80	.47	.61	.75	67.0	19.6	4.26	.47	.62	.77	63.0	18.5	4.76	.48	.64	.79	59.0	17.3	5.33	.48	.66	.82

FIRST STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1235	585	48.0	14.1	3.20	44.8	13.1	3.17	41.6	12.2	3.13	38.3	11.2	3.09
1390	655	48.8	14.3	3.05	45.5	13.3	3.01	42.3	12.4	2.97	39.1	11.5	2.93
1540	725	49.4	14.5	2.92	46.2	13.5	2.89	43.0	12.6	2.85	39.7	11.6	2.81

SECOND STAGE HEATING CAPACITY - XP19-060 with [CX34-62D-6F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1780	840	66.6	19.5	4.44	50.3	14.7	3.96	32.5	9.5	3.38	24.9	7.3	3.28	12.4	3.6	2.43
1985	935	67.5	19.8	4.31	51.2	15.0	3.83	33.4	9.8	3.25	25.8	7.6	3.15	13.3	3.9	2.30
2190	1035	68.5	20.1	4.21	52.2	15.3	3.72	34.4	10.1	3.15	26.9	7.9	3.04	14.3	4.2	2.20

HEATING PERFORMANCE at 1985 cfm (935 L/s) Indoor Coil Air Volume
XP19-060 with [CX34-62D-6F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.31	67.5	19.8
60	16	4.22	64.0	18.8
55	13	4.14	60.5	17.7
50	10	4.05	57.0	16.7
47	8	4.00	54.9	16.1
45	7	3.83	51.2	15.0
40	4	3.39	42.0	12.3
35	2	2.96	32.8	9.6
30	-1	3.11	33.1	9.7
25	-4	3.25	33.4	9.8
20	-7	3.39	33.7	9.9
17	-8	3.48	33.9	9.9
15	-9	3.45	32.5	9.5
10	-12	3.36	29.0	8.5
5	-15	3.15	25.8	7.6
0	-18	2.94	22.7	6.7
-5	-21	2.72	19.6	5.7
-10	-23	2.51	16.4	4.8
-15	-26	2.30	13.3	3.9
-20	-29	2.09	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CR33-50/60C-F] [CR33-60D-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.06	.76	.91	1.00	41.5	12.2	2.41	.78	.93	1.00	39.0	11.4	2.80	.79	.95	1.00	37.0	10.8	3.25	.82	.98	1.00
	1400	660	44.0	12.9	2.06	.78	.93	1.00	42.0	12.3	2.41	.79	.95	1.00	40.0	11.7	2.80	.81	.97	1.00	37.6	11.0	3.24	.84	1.00	1.00
	1500	710	44.5	13.0	2.06	.79	.95	1.00	42.5	12.5	2.41	.81	.97	1.00	40.5	11.9	2.79	.83	.99	1.00	38.0	11.1	3.23	.86	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.05	.60	.73	.87	44.0	12.9	2.40	.61	.75	.89	42.0	12.3	2.78	.62	.77	.92	39.5	11.6	3.22	.63	.79	.94
	1400	660	47.0	13.8	2.05	.61	.75	.89	45.0	13.2	2.39	.62	.77	.91	42.5	12.5	2.78	.63	.79	.94	40.0	11.7	3.22	.64	.81	.97
	1500	710	47.5	13.9	2.05	.62	.77	.91	45.5	13.3	2.39	.63	.78	.94	43.0	12.6	2.78	.64	.81	.96	40.5	11.9	3.21	.65	.83	.99
71°F (22°C)	1300	615	48.5	14.2	2.05	.45	.58	.71	47.0	13.8	2.38	.45	.59	.72	44.5	13.0	2.77	.45	.60	.74	42.0	12.3	3.20	.46	.61	.76
	1400	660	49.5	14.5	2.04	.45	.59	.73	47.5	13.9	2.38	.45	.60	.74	45.5	13.3	2.76	.46	.61	.76	42.5	12.5	3.19	.46	.63	.78
	1500	710	50.5	14.8	2.04	.46	.60	.74	48.0	14.1	2.38	.46	.62	.76	46.0	13.5	2.76	.46	.63	.78	43.5	12.7	3.19	.47	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CR33-50/60C-F] [CR33-60D-F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	57.0	16.7	3.64	.74	.88	.99	54.0	15.8	4.09	.76	.90	1.00	51.0	14.9	4.59	.77	.93	1.00	47.5	13.9	5.13	.80	.96	1.00
	1800	850	58.5	17.1	3.66	.76	.91	1.00	55.5	16.3	4.11	.78	.93	1.00	52.0	15.2	4.61	.80	.96	1.00	48.5	14.2	5.15	.83	.98	1.00
	2000	945	59.5	17.4	3.67	.79	.94	1.00	56.5	16.6	4.13	.81	.96	1.00	53.5	15.7	4.62	.83	.98	1.00	50.0	14.7	5.17	.86	1.00	1.00
67°F (19°C)	1600	755	60.5	17.7	3.68	.59	.72	.84	57.5	16.9	4.13	.59	.73	.86	54.5	16.0	4.64	.60	.75	.89	51.0	14.9	5.18	.62	.77	.92
	1800	850	62.0	18.2	3.70	.60	.74	.87	59.0	17.3	4.16	.61	.75	.90	55.5	16.3	4.65	.62	.78	.92	52.0	15.2	5.21	.64	.80	.96
	2000	945	63.0	18.5	3.72	.61	.76	.90	60.0	17.6	4.17	.63	.78	.93	57.0	16.7	4.67	.64	.80	.96	53.0	15.5	5.23	.66	.83	.98
71°F (22°C)	1600	755	63.5	18.6	3.72	.45	.57	.69	61.0	17.9	4.18	.45	.58	.71	57.5	16.9	4.68	.45	.59	.72	54.0	15.8	5.25	.46	.60	.74
	1800	850	65.0	19.0	3.74	.45	.59	.72	62.0	18.2	4.20	.45	.60	.73	59.0	17.3	4.71	.46	.61	.75	55.5	16.3	5.26	.46	.62	.77
	2000	945	67.0	19.6	3.76	.46	.60	.74	63.5	18.6	4.21	.46	.61	.76	60.0	17.6	4.72	.47	.63	.78	56.5	16.6	5.28	.47	.64	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CR33-50/60C-F] [CR33-60D-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1300	615	49.8	14.6	2.97	46.5	13.6	2.93	43.2	12.7	2.89	39.9	11.7	2.86
1400	660	50.3	14.7	2.89	47.0	13.8	2.85	43.7	12.8	2.81	40.4	11.8	2.78
1500	710	50.7	14.9	2.82	47.4	13.9	2.78	44.1	12.9	2.74	40.8	12.0	2.70

SECOND STAGE HEATING CAPACITY - XP19-060 with [CR33-50/60C-F] [CR33-60D-F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1600	755	66.7	19.5	4.43	50.5	14.8	3.91	32.7	9.6	3.30	25.1	7.4	3.16	12.6	3.7	2.35
1800	850	67.5	19.8	4.30	51.2	15.0	3.78	33.4	9.8	3.17	25.9	7.6	3.03	13.3	3.9	2.22
2000	945	68.1	20.0	4.20	51.9	15.2	3.68	34.1	10.0	3.07	26.6	7.8	2.93	14.0	4.1	2.12

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume
XP19-060 with [CR33-50/60C-F] [CR33-60D-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.30	67.5	19.8
60	16	4.21	64.0	18.8
55	13	4.11	60.5	17.7
50	10	4.01	57.0	16.7
47	8	3.95	54.9	16.1
45	7	3.78	51.2	15.0
40	4	3.35	42.0	12.3
35	2	2.92	32.8	9.6
30	-1	3.04	33.1	9.7
25	-4	3.17	33.4	9.8
20	-7	3.29	33.7	9.9
17	-8	3.37	33.9	9.9
15	-9	3.33	32.5	9.5
10	-12	3.23	29.0	8.5
5	-15	3.03	25.9	7.6
0	-18	2.83	22.7	6.7
-5	-21	2.63	19.6	5.7
-10	-23	2.43	16.5	4.8
-15	-26	2.22	13.3	3.9
-20	-29	2.02	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CR33-60D-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1265	595	43.0	12.6	2.06	.75	.90	1.00	41.0	12.0	2.41	.77	.92	1.00	39.0	11.4	2.80	.79	.94	1.00	36.6	10.7	3.25	.81	.97	1.00
	1400	660	44.0	12.9	2.06	.78	.93	1.00	42.0	12.3	2.41	.79	.95	1.00	40.0	11.7	2.80	.81	.97	1.00	37.6	11.0	3.24	.84	1.00	1.00
	1590	750	45.0	13.2	2.06	.81	.97	1.00	43.0	12.6	2.40	.83	.99	1.00	41.0	12.0	2.79	.85	1.00	1.00	39.0	11.4	3.23	.88	1.00	1.00
67°F (19°C)	1265	595	46.0	13.5	2.05	.59	.73	.86	44.0	12.9	2.40	.60	.74	.88	41.5	12.2	2.78	.61	.76	.91	39.0	11.4	3.23	.62	.78	.94
	1400	660	47.0	13.8	2.05	.61	.75	.89	45.0	13.2	2.39	.62	.77	.91	42.5	12.5	2.78	.63	.79	.94	40.0	11.7	3.22	.64	.81	.97
	1590	750	48.0	14.1	2.05	.63	.78	.93	46.0	13.5	2.39	.64	.80	.96	43.5	12.7	2.77	.65	.82	.98	41.0	12.0	3.21	.67	.85	1.00
71°F (22°C)	1265	595	48.5	14.2	2.05	.45	.58	.70	46.5	13.6	2.39	.45	.59	.72	44.0	12.9	2.77	.45	.60	.73	42.0	12.3	3.20	.46	.61	.76
	1400	660	49.5	14.5	2.04	.45	.59	.73	47.5	13.9	2.38	.45	.60	.74	45.5	13.3	2.76	.46	.61	.76	42.5	12.5	3.19	.46	.63	.78
	1590	750	51.0	14.9	2.04	.46	.62	.76	48.5	14.2	2.38	.47	.63	.78	46.5	13.6	2.75	.47	.64	.80	44.0	12.9	3.19	.48	.65	.82

SECOND STAGE COOLING CAPACITY - XP19-060 with [CR33-60D-F + G60DFV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1865	880	58.5	17.1	3.66	.77	.92	1.00	55.5	16.3	4.11	.79	.94	1.00	52.5	15.4	4.61	.81	.97	1.00	49.0	14.4	5.16	.84	.99	1.00
	2050	970	60.0	17.6	3.68	.79	.95	1.00	57.0	16.7	4.13	.81	.97	1.00	53.5	15.7	4.63	.84	.99	1.00	50.0	14.7	5.18	.87	1.00	1.00
	2310	1090	61.0	17.9	3.69	.82	.98	1.00	58.0	17.0	4.15	.84	.99	1.00	55.0	16.1	4.65	.87	1.00	1.00	52.0	15.2	5.21	.91	1.00	1.00
67°F (19°C)	1865	880	62.0	18.2	3.70	.61	.75	.88	59.5	17.4	4.16	.61	.76	.91	56.0	16.4	4.66	.63	.78	.94	52.0	15.2	5.22	.64	.81	.97
	2050	970	63.5	18.6	3.72	.62	.77	.91	60.5	17.7	4.17	.63	.79	.94	57.0	16.7	4.68	.64	.81	.96	53.0	15.5	5.23	.66	.84	.99
	2310	1090	65.0	19.0	3.74	.64	.80	.95	61.5	18.0	4.19	.65	.82	.97	58.0	17.0	4.69	.66	.85	.99	54.5	16.0	5.24	.68	.88	1.00
71°F (22°C)	1865	880	66.0	19.3	3.75	.45	.59	.72	62.5	18.3	4.20	.46	.60	.74	59.5	17.4	4.71	.46	.61	.76	55.5	16.3	5.26	.47	.63	.78
	2050	970	67.0	19.6	3.76	.46	.61	.74	64.0	18.8	4.22	.46	.62	.76	60.5	17.7	4.72	.47	.63	.79	56.5	16.6	5.29	.47	.65	.81
	2310	1090	68.0	19.9	3.78	.47	.63	.77	65.0	19.0	4.24	.47	.64	.79	61.5	18.0	4.74	.48	.65	.82	58.0	17.0	5.30	.49	.67	.85

FIRST STAGE HEATING CAPACITY - XP19-060 with [CR33-60D-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1265	595	48.7	14.3	3.00	45.4	13.3	2.97	42.1	12.3	2.93	38.9	11.4	2.89
1400	660	49.3	14.4	2.89	46.1	13.5	2.85	42.8	12.5	2.81	39.5	11.6	2.78
1590	750	50.0	14.7	2.75	46.8	13.7	2.72	43.5	12.7	2.68	40.2	11.8	2.64

SECOND STAGE HEATING CAPACITY - XP19-060 with [CR33-60D-F + G60DFV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1865	880	67.5	19.8	4.24	51.0	14.9	3.76	33.0	9.7	3.19	25.3	7.4	3.07	12.7	3.7	2.27
2050	970	68.3	20.0	4.15	51.8	15.2	3.67	33.8	9.9	3.10	26.1	7.6	2.98	13.5	4.0	2.18
2310	1090	69.5	20.4	4.04	53.0	15.5	3.56	34.9	10.2	2.99	27.3	8.0	2.87	14.6	4.3	2.08

HEATING PERFORMANCE at 2050 cfm (970 L/s) Indoor Coil Air Volume
XP19-060 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.15	68.3	20.0
60	16	4.06	64.8	19.0
55	13	3.97	61.2	17.9
50	10	3.88	57.7	16.9
47	8	3.83	55.6	16.3
45	7	3.67	51.8	15.2
40	4	3.25	42.5	12.5
35	2	2.84	33.2	9.7
30	-1	2.97	33.5	9.8
25	-4	3.10	33.8	9.9
20	-7	3.23	34.1	10.0
17	-8	3.30	34.3	10.1
15	-9	3.27	32.9	9.6
10	-12	3.18	29.3	8.6
5	-15	2.98	26.1	7.6
0	-18	2.78	23.0	6.7
-5	-21	2.58	19.8	5.8
-10	-23	2.38	16.6	4.9
-15	-26	2.18	13.5	4.0
-20	-29	1.98	10.3	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CR33-60D-F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1235	585	43.0	12.6	2.07	.75	.89	1.00	41.0	12.0	2.42	.76	.91	1.00	38.5	11.3	2.80	.78	.94	1.00	36.4	10.7	3.25	.81	.97	1.00
	1390	655	44.0	12.9	2.06	.78	.93	1.00	42.0	12.3	2.41	.79	.95	1.00	40.0	11.7	2.80	.81	.97	1.00	37.4	11.0	3.24	.84	.99	1.00
	1540	725	45.0	13.2	2.06	.80	.96	1.00	43.0	12.6	2.40	.82	.98	1.00	40.5	11.9	2.79	.84	1.00	1.00	38.5	11.3	3.23	.87	1.00	1.00
67°F (19°C)	1235	585	45.5	13.3	2.06	.59	.72	.85	43.5	12.7	2.40	.60	.74	.87	41.5	12.2	2.79	.61	.76	.90	39.0	11.4	3.23	.62	.78	.93
	1390	655	47.0	13.8	2.05	.61	.75	.89	45.0	13.2	2.39	.62	.77	.91	42.5	12.5	2.78	.63	.79	.94	40.0	11.7	3.22	.64	.81	.97
	1540	725	47.5	13.9	2.05	.62	.77	.92	45.5	13.3	2.39	.63	.79	.95	43.5	12.7	2.77	.64	.81	.97	41.0	12.0	3.22	.66	.84	.99
71°F (22°C)	1235	585	48.0	14.1	2.05	.44	.58	.70	46.5	13.6	2.39	.45	.58	.71	44.0	12.9	2.77	.45	.59	.73	41.5	12.2	3.21	.46	.61	.75
	1390	655	49.5	14.5	2.04	.45	.59	.72	47.5	13.9	2.38	.46	.60	.74	45.0	13.2	2.76	.46	.61	.76	42.5	12.5	3.20	.46	.63	.78
	1540	725	50.5	14.8	2.04	.46	.61	.75	48.5	14.2	2.38	.46	.62	.77	46.0	13.5	2.76	.47	.63	.79	43.5	12.7	3.19	.47	.65	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CR33-60D-F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1780	840	58.0	17.0	3.66	.76	.91	1.00	55.0	16.1	4.11	.78	.93	1.00	52.0	15.2	4.61	.80	.96	1.00	48.5	14.2	5.15	.83	.98	1.00
	1985	935	59.5	17.4	3.67	.79	.94	1.00	56.5	16.6	4.12	.80	.96	1.00	53.5	15.7	4.62	.83	.98	1.00	50.0	14.7	5.17	.86	1.00	1.00
	2190	1035	60.5	17.7	3.69	.81	.97	1.00	57.5	16.9	4.14	.83	.98	1.00	54.5	16.0	4.64	.86	1.00	1.00	51.0	14.9	5.19	.89	1.00	1.00
67°F (19°C)	1780	840	61.5	18.0	3.70	.60	.74	.87	59.0	17.3	4.15	.61	.75	.89	55.5	16.3	4.65	.62	.77	.92	52.0	15.2	5.20	.64	.80	.95
	1985	935	63.0	18.5	3.71	.61	.76	.90	60.0	17.6	4.17	.62	.78	.93	56.5	16.6	4.67	.64	.80	.95	53.0	15.5	5.23	.65	.83	.98
	2190	1035	64.5	18.9	3.73	.63	.78	.93	61.0	17.9	4.18	.64	.81	.96	57.5	16.9	4.69	.65	.83	.98	54.0	15.8	5.23	.67	.86	1.00
71°F (22°C)	1780	840	65.0	19.0	3.74	.45	.58	.71	62.0	18.2	4.20	.45	.59	.73	59.0	17.3	4.70	.46	.61	.75	55.0	16.1	5.26	.46	.62	.77
	1985	935	67.0	19.6	3.76	.46	.60	.74	63.5	18.6	4.21	.46	.61	.75	60.0	17.6	4.72	.47	.62	.78	56.5	16.6	5.28	.47	.64	.80
	2190	1035	68.0	19.9	3.77	.46	.62	.76	64.5	18.9	4.23	.47	.63	.78	61.0	17.9	4.73	.47	.64	.80	57.0	16.7	5.30	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-060 with [CR33-60D-F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1235	585	48.6	14.2	3.03	45.3	13.3	2.99	42.0	12.3	2.96	38.8	11.4	2.92
1390	655	49.4	14.5	2.90	46.1	13.5	2.86	42.8	12.5	2.82	39.5	11.6	2.78
1540	725	50.0	14.7	2.79	46.7	13.7	2.75	43.4	12.7	2.71	40.1	11.8	2.67

SECOND STAGE HEATING CAPACITY - XP19-060 with [CR33-60D-F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1780	840	67.2	19.7	4.29	50.8	14.9	3.80	32.8	9.6	3.22	25.2	7.4	3.10	12.5	3.7	2.30
1985	935	68.2	20.0	4.18	51.7	15.2	3.69	33.7	9.9	3.12	26.1	7.6	2.99	13.4	3.9	2.19
2190	1035	69.2	20.3	4.09	52.7	15.4	3.60	34.8	10.2	3.03	27.1	7.9	2.90	14.5	4.2	2.10

HEATING PERFORMANCE at 1985 cfm (935 L/s) Indoor Coil Air Volume
XP19-060 with [CR33-60D-F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.18	68.2	20.0
60	16	4.09	64.6	18.9
55	13	4.00	61.1	17.9
50	10	3.91	57.6	16.9
47	8	3.86	55.4	16.2
45	7	3.69	51.7	15.2
40	4	3.28	42.4	12.4
35	2	2.86	33.1	9.7
30	-1	2.99	33.4	9.8
25	-4	3.12	33.7	9.9
20	-7	3.24	34.1	10.0
17	-8	3.32	34.2	10.0
15	-9	3.28	32.8	9.6
10	-12	3.19	29.3	8.6
5	-15	2.99	26.1	7.6
0	-18	2.79	23.0	6.7
-5	-21	2.59	19.8	5.8
-10	-23	2.39	16.6	4.9
-15	-26	2.19	13.4	3.9
-20	-29	1.99	10.3	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.06	.76	.90	1.00	42.0	12.3	2.41	.78	.93	1.00	39.5	11.6	2.80	.80	.95	1.00	37.4	11.0	3.24	.82	.98	1.00
	1400	660	44.5	13.0	2.06	.78	.93	1.00	42.5	12.5	2.40	.79	.95	1.00	40.5	11.9	2.79	.82	.98	1.00	38.0	11.1	3.23	.84	1.00	1.00
	1500	710	45.0	13.2	2.06	.79	.95	1.00	43.0	12.6	2.40	.81	.97	1.00	41.0	12.0	2.79	.84	.99	1.00	39.0	11.4	3.23	.86	1.00	1.00
67°F (19°C)	1300	615	46.5	13.6	2.05	.60	.73	.87	44.5	13.0	2.39	.61	.75	.89	42.5	12.5	2.78	.62	.77	.92	40.0	11.7	3.22	.63	.79	.95
	1400	660	47.5	13.9	2.05	.61	.75	.89	45.5	13.3	2.39	.61	.77	.91	43.0	12.6	2.77	.63	.79	.94	40.5	11.9	3.21	.64	.81	.97
	1500	710	48.0	14.1	2.05	.62	.77	.91	46.0	13.5	2.39	.63	.79	.94	43.5	12.7	2.77	.64	.81	.96	41.0	12.0	3.21	.65	.84	.99
71°F (22°C)	1300	615	50.0	14.7	2.04	.45	.58	.71	47.5	13.9	2.38	.45	.59	.72	45.5	13.3	2.76	.46	.60	.74	43.0	12.6	3.19	.46	.62	.76
	1400	660	50.5	14.8	2.04	.45	.59	.73	48.5	14.2	2.38	.45	.60	.74	46.0	13.5	2.75	.46	.61	.76	43.5	12.7	3.19	.47	.63	.79
	1500	710	51.5	15.1	2.04	.46	.60	.74	49.0	14.4	2.38	.46	.61	.76	46.5	13.6	2.75	.47	.63	.78	44.0	12.9	3.19	.47	.64	.81

SECOND STAGE COOLING CAPACITY - XP19-060 with [CH23-68]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	58.0	17.0	3.66	.74	.88	.99	55.0	16.1	4.10	.76	.90	1.00	52.0	15.2	4.60	.78	.92	1.00	49.0	14.4	5.15	.80	.96	1.00
	1800	850	59.5	17.4	3.67	.77	.91	1.00	56.5	16.6	4.12	.78	.93	1.00	53.5	15.7	4.62	.81	.96	1.00	50.0	14.7	5.18	.83	.99	1.00
	2000	945	61.0	17.9	3.69	.79	.94	1.00	58.0	17.0	4.14	.81	.97	1.00	55.0	16.1	4.64	.84	.99	1.00	51.5	15.1	5.20	.87	1.00	1.00
67°F (19°C)	1600	755	61.5	18.0	3.70	.58	.71	.84	58.5	17.1	4.15	.60	.73	.86	55.5	16.3	4.65	.61	.75	.89	52.0	15.2	5.21	.62	.77	.92
	1800	850	63.5	18.6	3.72	.60	.74	.87	60.0	17.6	4.17	.61	.76	.90	57.0	16.7	4.68	.62	.78	.93	53.0	15.5	5.22	.64	.81	.96
	2000	945	64.5	18.9	3.74	.62	.77	.91	61.5	18.0	4.19	.63	.78	.93	58.0	17.0	4.69	.64	.81	.96	54.5	16.0	5.24	.66	.84	.99
71°F (22°C)	1600	755	66.0	19.3	3.74	.44	.57	.69	62.5	18.3	4.20	.44	.58	.70	59.0	17.3	4.71	.45	.59	.72	55.5	16.3	5.26	.46	.60	.75
	1800	850	67.0	19.6	3.77	.45	.59	.72	64.0	18.8	4.22	.45	.59	.73	61.0	17.9	4.73	.46	.61	.75	57.0	16.7	5.29	.47	.62	.78
	2000	945	69.0	20.2	3.79	.46	.60	.74	66.0	19.3	4.24	.46	.61	.76	62.0	18.2	4.74	.46	.63	.78	58.0	17.0	5.31	.47	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	50.4	14.8	2.82	47.0	13.8	2.79	43.6	12.8	2.76	40.3	11.8	2.74
1400	660	50.8	14.9	2.74	47.5	13.9	2.72	44.1	12.9	2.69	40.8	12.0	2.66
1500	710	51.2	15.0	2.67	47.9	14.0	2.64	44.5	13.0	2.62	41.2	12.1	2.59

SECOND STAGE HEATING CAPACITY - XP19-060 with [CH23-68]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1600	755	67.6	19.8	4.23	51.1	15.0	3.76	32.9	9.6	3.20	25.3	7.4	3.08	12.6	3.7	2.29
1800	850	68.4	20.0	4.11	51.8	15.2	3.63	33.7	9.9	3.07	26.0	7.6	2.96	13.4	3.9	2.17
2000	945	69.0	20.2	4.00	52.4	15.4	3.53	34.3	10.1	2.97	26.6	7.8	2.85	14.0	4.1	2.06

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume
XP19-060 with [CH23-68]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.11	68.4	20.0
60	16	4.02	64.8	19.0
55	13	3.94	61.3	18.0
50	10	3.85	57.7	16.9
47	8	3.80	55.6	16.3
45	7	3.63	51.8	15.2
40	4	3.23	42.5	12.5
35	2	2.82	33.1	9.7
30	-1	2.95	33.4	9.8
25	-4	3.07	33.7	9.9
20	-7	3.20	34.0	10.0
17	-8	3.28	34.2	10.0
15	-9	3.24	32.7	9.6
10	-12	3.16	29.2	8.6
5	-15	2.96	26.0	7.6
0	-18	2.76	22.9	6.7
-5	-21	2.56	19.7	5.8
-10	-23	2.36	16.6	4.9
-15	-26	2.17	13.4	3.9
-20	-29	1.97	10.2	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS

FIRST STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1300	615	43.5	12.7	2.06	.75	.89	1.00	41.5	12.2	2.41	.77	.91	1.00	39.5	11.6	2.80	.79	.93	1.00	37.0	10.8	3.25	.81	.97	1.00
	1400	660	44.0	12.9	2.06	.77	.91	1.00	42.0	12.3	2.41	.78	.93	1.00	40.0	11.7	2.80	.80	.96	1.00	37.6	11.0	3.24	.83	.99	1.00
	1500	710	45.0	13.2	2.06	.78	.93	1.00	42.5	12.5	2.41	.80	.95	1.00	40.5	11.9	2.79	.82	.98	1.00	38.0	11.1	3.24	.84	1.00	1.00
67°F (19°C)	1300	615	46.0	13.5	2.06	.60	.73	.85	44.0	12.9	2.40	.60	.74	.87	41.5	12.2	2.78	.61	.76	.90	39.5	11.6	3.22	.63	.78	.93
	1400	660	47.0	13.8	2.05	.60	.74	.87	44.5	13.0	2.39	.61	.76	.89	42.5	12.5	2.78	.62	.78	.92	40.0	11.7	3.22	.64	.80	.95
	1500	710	47.5	13.9	2.05	.61	.75	.89	45.5	13.3	2.39	.62	.77	.91	43.0	12.6	2.77	.63	.79	.94	40.5	11.9	3.21	.65	.82	.97
71°F (22°C)	1300	615	49.0	14.4	2.05	.46	.58	.70	46.5	13.6	2.38	.46	.59	.72	44.5	13.0	2.76	.46	.60	.73	42.0	12.3	3.20	.47	.61	.75
	1400	660	49.5	14.5	2.04	.46	.59	.72	47.5	13.9	2.38	.46	.60	.73	45.0	13.2	2.76	.47	.61	.75	43.0	12.6	3.19	.47	.62	.77
	1500	710	50.5	14.8	2.04	.46	.60	.73	48.0	14.1	2.38	.47	.61	.75	46.0	13.5	2.76	.47	.62	.77	43.5	12.7	3.19	.47	.63	.79

SECOND STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil: 85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	57.5	16.9	3.65	.73	.86	.98	54.5	16.0	4.10	.75	.88	1.00	51.5	15.1	4.60	.76	.90	1.00	48.5	14.2	5.15	.78	.93	1.00
	1800	850	59.0	17.3	3.66	.75	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	53.0	15.5	4.62	.79	.94	1.00	49.5	14.5	5.16	.81	.97	1.00
	2000	945	60.5	17.7	3.68	.77	.91	1.00	57.0	16.7	4.13	.79	.94	1.00	54.0	15.8	4.63	.81	.97	1.00	50.5	14.8	5.18	.84	1.00	1.00
67°F (19°C)	1600	755	60.5	17.7	3.69	.58	.71	.82	58.0	17.0	4.14	.59	.72	.84	54.5	16.0	4.64	.60	.74	.87	51.5	15.1	5.20	.61	.76	.90
	1800	850	62.5	18.3	3.71	.60	.72	.85	59.5	17.4	4.16	.60	.74	.87	56.0	16.4	4.66	.62	.76	.90	52.5	15.4	5.21	.63	.78	.93
	2000	945	63.5	18.6	3.72	.61	.75	.88	60.5	17.7	4.18	.62	.76	.90	57.0	16.7	4.68	.63	.79	.93	53.5	15.7	5.23	.65	.81	.97
71°F (22°C)	1600	755	64.5	18.9	3.73	.45	.57	.68	61.5	18.0	4.19	.45	.58	.69	58.0	17.0	4.69	.46	.59	.71	54.5	16.0	5.25	.46	.60	.73
	1800	850	66.0	19.3	3.75	.46	.58	.70	63.0	18.5	4.21	.46	.59	.72	59.5	17.4	4.71	.46	.60	.73	56.0	16.4	5.28	.47	.62	.76
	2000	945	68.0	19.9	3.77	.46	.59	.72	64.5	18.9	4.22	.46	.60	.74	61.0	17.9	4.73	.47	.62	.76	57.5	16.9	5.29	.47	.63	.79

FIRST STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1300	615	49.0	14.4	3.20	45.8	13.4	3.16	42.6	12.5	3.12	39.3	11.5	3.08
1400	660	49.5	14.5	3.10	46.2	13.5	3.06	43.0	12.6	3.02	39.8	11.7	2.98
1500	710	49.9	14.6	3.01	46.7	13.7	2.97	43.4	12.7	2.93	40.2	11.8	2.89

SECOND STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil: 65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1600	755	65.7	19.3	4.72	49.7	14.6	4.14	32.1	9.4	3.47	24.8	7.3	3.33	12.3	3.6	2.48
1800	850	66.5	19.5	4.58	50.5	14.8	4.00	33.0	9.7	3.33	25.6	7.5	3.19	13.2	3.9	2.34
2000	945	67.3	19.7	4.41	51.3	15.0	3.84	33.7	9.9	3.17	26.3	7.7	3.02	13.9	4.1	2.18

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume
XP19-060 with [CH33-62D-2F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.58	66.5	19.5
60	16	4.47	63.1	18.5
55	13	4.36	59.6	17.5
50	10	4.25	56.2	16.5
47	8	4.19	54.1	15.9
45	7	4.00	50.5	14.8
40	4	3.53	41.4	12.1
35	2	3.07	32.3	9.5
30	-1	3.20	32.6	9.6
25	-4	3.33	33.0	9.7
20	-7	3.47	33.3	9.8
17	-8	3.55	33.5	9.8
15	-9	3.50	32.1	9.4
10	-12	3.40	28.7	8.4
5	-15	3.19	25.6	7.5
0	-18	2.97	22.5	6.6
-5	-21	2.76	19.4	5.7
-10	-23	2.55	16.3	4.8
-15	-26	2.34	13.2	3.9
-20	-29	2.13	10.1	3.0

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1205	570	42.5	12.5	2.07	.74	.87	.99	40.5	11.9	2.42	.75	.89	1.00	38.5	11.3	2.81	.77	.91	1.00	36.4	10.7	3.25	.79	.94	1.00
	1350	635	43.5	12.7	2.06	.76	.90	1.00	41.5	12.2	2.41	.77	.92	1.00	39.5	11.6	2.80	.79	.95	1.00	37.4	11.0	3.24	.82	.98	1.00
	1495	705	44.5	13.0	2.06	.78	.93	1.00	42.5	12.5	2.40	.80	.95	1.00	40.5	11.9	2.79	.82	.98	1.00	38.0	11.1	3.24	.84	1.00	1.00
67°F (19°C)	1205	570	45.0	13.2	2.06	.59	.71	.83	43.0	12.6	2.40	.60	.73	.85	41.0	12.0	2.79	.60	.74	.87	38.5	11.3	3.23	.62	.76	.90
	1350	635	46.5	13.6	2.05	.60	.73	.86	44.0	12.9	2.39	.61	.75	.88	42.0	12.3	2.78	.62	.77	.91	39.5	11.6	3.22	.63	.79	.94
	1495	705	47.5	13.9	2.05	.61	.75	.89	45.5	13.3	2.39	.62	.77	.91	43.0	12.6	2.77	.63	.79	.94	40.5	11.9	3.21	.65	.81	.97
71°F (22°C)	1205	570	48.0	14.1	2.05	.45	.57	.69	46.0	13.5	2.39	.45	.58	.70	43.5	12.7	2.77	.46	.59	.72	41.5	12.2	3.21	.46	.60	.73
	1350	635	49.0	14.4	2.04	.46	.58	.71	47.0	13.8	2.38	.46	.59	.72	45.0	13.2	2.76	.46	.60	.74	42.5	12.5	3.20	.47	.62	.76
	1495	705	50.5	14.8	2.04	.46	.60	.73	48.0	14.1	2.38	.46	.61	.74	46.0	13.5	2.76	.47	.62	.76	43.5	12.7	3.19	.47	.63	.79

SECOND STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F + G60UHV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1745	825	58.5	17.1	3.66	.75	.88	1.00	55.5	16.3	4.11	.76	.90	1.00	52.5	15.4	4.61	.78	.93	1.00	49.0	14.4	5.16	.80	.96	1.00
	1945	920	60.0	17.6	3.68	.77	.91	1.00	57.0	16.7	4.13	.78	.93	1.00	53.5	15.7	4.63	.80	.96	1.00	50.5	14.8	5.17	.83	.99	1.00
	2140	1010	61.0	17.9	3.69	.78	.93	1.00	58.0	17.0	4.14	.80	.96	1.00	55.0	16.1	4.64	.83	.99	1.00	51.5	15.1	5.20	.86	1.00	1.00
67°F (19°C)	1745	825	62.0	18.2	3.70	.59	.72	.84	59.0	17.3	4.15	.60	.74	.86	56.0	16.4	4.65	.61	.75	.89	52.5	15.4	5.21	.62	.78	.92
	1945	920	63.5	18.6	3.72	.60	.74	.87	60.5	17.7	4.17	.61	.76	.89	57.0	16.7	4.67	.63	.78	.92	53.5	15.7	5.23	.64	.80	.96
	2140	1010	64.5	18.9	3.73	.62	.76	.90	61.5	18.0	4.19	.63	.78	.92	58.0	17.0	4.69	.64	.80	.95	54.5	16.0	5.24	.66	.83	.99
71°F (22°C)	1745	825	66.0	19.3	3.74	.46	.58	.69	62.5	18.3	4.20	.46	.59	.71	59.5	17.4	4.71	.46	.60	.73	56.0	16.4	5.27	.47	.61	.75
	1945	920	67.0	19.6	3.77	.46	.59	.72	64.0	18.8	4.22	.46	.60	.73	61.0	17.9	4.73	.47	.61	.75	57.0	16.7	5.29	.47	.63	.78
	2140	1010	69.0	20.2	3.78	.46	.60	.74	65.0	19.0	4.24	.47	.61	.75	62.0	18.2	4.74	.47	.63	.77	58.0	17.0	5.30	.48	.64	.80

FIRST STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1206	570	47.5	13.9	3.30	44.3	13.0	3.26	41.1	12.0	3.22	38.0	11.1	3.18
1350	635	48.2	14.1	3.15	45.0	13.2	3.11	41.8	12.3	3.06	38.6	11.3	3.02
1493	705	48.8	14.3	3.02	45.7	13.4	2.98	42.5	12.5	2.94	39.3	11.5	2.89

SECOND STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
cfm	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1743	825	65.8	19.3	4.55	49.7	14.6	4.04	32.0	9.4	3.43	24.5	7.2	3.31	12.1	3.5	2.47
1944	920	66.8	19.6	4.40	50.7	14.9	3.88	33.0	9.7	3.27	25.5	7.5	3.16	13.1	3.8	2.31
2139	1010	67.7	19.8	4.29	51.5	15.1	3.78	33.8	9.9	3.17	26.3	7.7	3.05	14.0	4.1	2.21

HEATING PERFORMANCE at 1944 cfm (920 L/s) Indoor Coil Air Volume
XP19-060 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.40	66.8	19.6
60	16	4.30	63.3	18.6
55	13	4.21	59.9	17.6
50	10	4.12	56.4	16.5
47	8	4.06	54.3	15.9
45	7	3.88	50.7	14.9
40	4	3.43	41.5	12.2
35	2	2.99	32.4	9.5
30	-1	3.13	32.7	9.6
25	-4	3.27	33.0	9.7
20	-7	3.41	33.3	9.8
17	-8	3.50	33.4	9.8
15	-9	3.46	32.1	9.4
10	-12	3.37	28.6	8.4
5	-15	3.16	25.5	7.5
0	-18	2.94	22.4	6.6
-5	-21	2.73	19.3	5.7
-10	-23	2.52	16.2	4.7
-15	-26	2.31	13.1	3.8
-20	-29	2.10	10.0	2.9

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

FIRST STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1235	585	43.0	12.6	2.07	.74	.87	.99	41.0	12.0	2.42	.76	.89	1.00	39.0	11.4	2.81	.77	.92	1.00	36.6	10.7	3.25	.80	.95	1.00
	1390	655	44.0	12.9	2.06	.76	.90	1.00	42.0	12.3	2.41	.78	.93	1.00	40.0	11.7	2.80	.80	.95	1.00	37.6	11.0	3.24	.82	.99	1.00
	1540	725	45.0	13.2	2.06	.79	.94	1.00	43.0	12.6	2.40	.80	.96	1.00	41.0	12.0	2.79	.83	.99	1.00	38.5	11.3	3.23	.85	1.00	1.00
67°F (19°C)	1235	585	45.5	13.3	2.06	.59	.72	.84	43.5	12.7	2.40	.60	.73	.86	41.5	12.2	2.79	.61	.75	.88	39.0	11.4	3.23	.62	.77	.91
	1390	655	46.5	13.6	2.05	.60	.74	.87	44.5	13.0	2.39	.61	.75	.89	42.5	12.5	2.78	.62	.77	.92	40.0	11.7	3.22	.64	.80	.95
	1540	725	48.0	14.1	2.05	.62	.76	.90	45.5	13.3	2.39	.63	.78	.92	43.5	12.7	2.77	.64	.80	.95	41.0	12.0	3.21	.65	.82	.98
71°F (22°C)	1235	585	48.0	14.1	2.05	.45	.57	.69	46.0	13.5	2.39	.46	.58	.71	44.0	12.9	2.77	.46	.59	.72	41.5	12.2	3.20	.46	.60	.74
	1390	655	49.5	14.5	2.04	.46	.59	.71	47.5	13.9	2.38	.46	.60	.73	45.0	13.2	2.76	.46	.61	.75	42.5	12.5	3.20	.47	.62	.77
	1540	725	51.0	14.9	2.04	.46	.60	.73	48.5	14.2	2.38	.47	.61	.75	46.0	13.5	2.76	.47	.63	.77	43.5	12.7	3.19	.48	.64	.80

SECOND STAGE COOLING CAPACITY - XP19-060 with [CH33-62D-2F + G61MPV-60D-135]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1780	840	58.5	17.1	3.66	.75	.88	1.00	56.0	16.4	4.11	.76	.91	1.00	52.5	15.4	4.61	.78	.93	1.00	49.5	14.5	5.16	.81	.97	1.00
	1985	935	60.0	17.6	3.68	.77	.91	1.00	57.0	16.7	4.13	.79	.94	1.00	54.0	15.8	4.63	.81	.97	1.00	50.5	14.8	5.18	.83	1.00	1.00
	2190	1035	61.5	18.0	3.69	.79	.94	1.00	58.5	17.1	4.14	.81	.97	1.00	55.0	16.1	4.64	.83	.99	1.00	51.5	15.1	5.20	.86	1.00	1.00
67°F (19°C)	1780	840	62.0	18.2	3.70	.59	.72	.85	59.0	17.3	4.16	.60	.74	.87	56.0	16.4	4.66	.61	.76	.90	52.5	15.4	5.21	.63	.78	.93
	1985	935	63.5	18.6	3.72	.61	.74	.88	60.5	17.7	4.18	.62	.76	.90	57.0	16.7	4.68	.63	.78	.93	53.5	15.7	5.23	.64	.81	.96
	2190	1035	65.0	19.0	3.74	.62	.76	.90	62.0	18.2	4.19	.63	.78	.93	58.5	17.1	4.70	.64	.81	.96	54.5	16.0	5.25	.66	.84	.99
71°F (22°C)	1780	840	66.0	19.3	3.75	.46	.58	.70	63.0	18.5	4.21	.46	.59	.71	59.5	17.4	4.71	.46	.60	.73	56.0	16.4	5.28	.47	.61	.76
	1985	935	68.0	19.9	3.77	.46	.59	.72	64.5	18.9	4.22	.46	.60	.74	61.0	17.9	4.73	.47	.61	.76	57.5	16.9	5.29	.47	.63	.78
	2190	1035	69.0	20.2	3.78	.47	.61	.73	66.0	19.3	4.24	.47	.62	.76	62.0	18.2	4.75	.48	.63	.78	58.5	17.1	5.31	.48	.65	.81

FIRST STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor	Total Heating Capacity		Comp. Motor
cfm	L/s	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input	kBtuh	kW	kW Input
1235	585	47.8	14.0	3.27	44.5	13.0	3.23	41.3	12.1	3.19	38.1	11.2	3.15
1390	655	48.6	14.2	3.12	45.4	13.3	3.07	42.1	12.3	3.03	38.9	11.4	2.99
1540	725	49.2	14.4	2.99	46.0	13.5	2.95	42.8	12.5	2.91	39.6	11.6	2.86

SECOND STAGE HEATING CAPACITY - XP19-060 with [CH33-62D-2F + G61MPV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW	Total Heating Capacity		Comp. Motor kW
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input
1780	840	66.3	19.4	4.53	50.0	14.7	4.03	32.3	9.5	3.43	24.8	7.3	3.31	12.2	3.6	2.47
1985	935	67.3	19.7	4.37	51.1	15.0	3.86	33.3	9.8	3.26	25.8	7.6	3.15	13.3	3.9	2.30
2190	1035	68.4	20.0	4.26	52.1	15.3	3.75	34.4	10.1	3.15	26.9	7.9	3.04	14.3	4.2	2.20

HEATING PERFORMANCE at 1985 cfm (935 L/s) Indoor Coil Air Volume
XP19-060 with [CH33-62D-2F + G61MPV-60D-135]

*Outdoor Temperature		Compressor Motor	Total Output	
°F	°C	kW Input	kBtuh	kW
65	18	4.37	67.3	19.7
60	16	4.28	63.8	18.7
55	13	4.18	60.3	17.7
50	10	4.09	56.9	16.7
47	8	4.04	54.8	16.1
45	7	3.86	51.1	15.0
40	4	3.42	41.9	12.3
35	2	2.98	32.7	9.6
30	-1	3.12	33.0	9.7
25	-4	3.26	33.3	9.8
20	-7	3.40	33.7	9.9
17	-8	3.48	33.9	9.9
15	-9	3.45	32.5	9.5
10	-12	3.36	29.0	8.5
5	-15	3.15	25.8	7.6
0	-18	2.93	22.7	6.7
-5	-21	2.72	19.6	5.7
-10	-23	2.51	16.4	4.8
-15	-26	2.30	13.3	3.9
-20	-29	2.09	10.2	3.0

REVISIONS

Description of Change
Added ratings for CBX40UHV Air Handlers.

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