LENNOX

ENGINEERING DATA

TP

T-CLASS™ SPLIT SYSTEM UNITS

Standard Efficiency - R-410A - Expanded Rating Tables

Bulletin No. 210462R
April 2009
Supersedes July 2008

RATINGS — 3 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

COOLING CAPACITY - TPA036S4 with [CB29M-46]

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	33.6	9.8	2.26	.75	.89	1.00	32.0	9.4	2.54	.76	.91	1.00	30.0	8.8	2.87	.78	.94	1.00	28.0	8.2	3.25	.81	.97	1.00
	1200	565	34.8	10.2	2.27	.79	.95	1.00	33.0	9.7	2.55	.81	.97	1.00	31.2	9.1	2.88	.83	.99	1.00	29.2	8.6	3.27	.86	1.00	1.00
	1400	660	35.8	10.5	2.28	.83	.99	1.00	34.0	10.0	2.57	.85	1.00	1.00	32.2	9.4	2.90	.88	1.00	1.00	30.2	8.9	3.28	.92	1.00	1.00
67°F (19°C)	1000	470	35.6	10.4	2.28	.59	.72	.86	33.8	9.9	2.56	.60	.74	.88	32.0	9.4	2.89	.61	.76	.91	29.8	8.7	3.27	.63	.79	.94
	1200	565	36.8	10.8	2.30	.62	.77	.91	35.0	10.3	2.58	.63	.79	.94	33.0	9.7	2.91	.64	.81	.97	30.6	9.0	3.29	.66	.84	.99
	1400	660	37.6	11.0	2.31	.64	.81	.97	35.8	10.5	2.59	.65	.83	.98	33.8	9.9	2.92	.67	.86	1.00	31.4	9.2	3.30	.69	.89	1.00
71°F (22°C)	1000	470	37.4	11.0	2.30	.45	.58	.70	35.6	10.4	2.59	.45	.59	.72	33.6	9.8	2.92	.46	.60	.74	31.4	9.2	3.30	.46	.61	.76
	1200	565	38.5	11.3	2.32	.46	.61	.75	36.8	10.8	2.61	.47	.62	.76	34.6	10.1	2.93	.47	.63	.79	32.4	9.5	3.31	.48	.65	.82
	1400	660	39.5	11.6	2.34	.47	.63	.79	37.6	11.0	2.62	.48	.65	.81	35.6	10.4	2.95	.48	.66	.84	33.2	9.7	3.33	.49	.68	.87

HEATING CAPACITY -TPA036S4 with [CB29M-46]

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	
1200	565	42.1	12.3	2.34	32.6	9.6	2.18	22.5	6.6	2.00	16.6	4.9	1.80	8.5	2.5	1.31
1405	665	42.8	12.5	2.26	33.3	9.8	2.09	23.2	6.8	1.92	17.2	5.0	1.71	9.2	2.7	1.22

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CB29M-46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.34	42.1	12.3
60	16	2.30	40.0	11.7
55	13	2.27	37.8	11.1
50	10	2.23	35.7	10.5
47	8	2.20	34.4	10.1
45	7	2.18	32.6	9.6
40	4	2.11	28.1	8.2
35	2	2.04	23.7	6.9
30	-1	2.02	23.1	6.8
25	-4	2.00	22.5	6.6
20	-7	1.98	21.9	6.4
17	-8	1.97	21.6	6.3
15	-9	1.96	20.7	6.1
10	-12	1.92	18.6	5.5
5	-15	1.80	16.6	4.9
0	-18	1.67	14.6	4.3
-5	-21	1.55	12.5	3.7
-10	-23	1.43	10.5	3.1
-15	-26	1.31	8.5	2.5
-20	-29	1.19	6.5	1.9

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

COOLING CAPACITY - TPA036S4 with [CB29M-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	34.0	10.0	2.26	.75	.88	1.00	32.4	9.5	2.54	.76	.91	1.00	30.4	8.9	2.88	.78	.93	1.00	28.4	8.3	3.26	.81	.97	1.00
	1200	565	35.2	10.3	2.28	.79	.94	1.00	33.6	9.8	2.56	.80	.96	1.00	31.6	9.3	2.89	.83	.99	1.00	29.6	8.7	3.27	.86	1.00	1.00
	1400	660	36.4	10.7	2.29	.82	.98	1.00	34.6	10.1	2.57	.85	1.00	1.00	32.8	9.6	2.90	.87	1.00	1.00	30.8	9.0	3.29	.91	1.00	1.00
67°F (19°C)	1000	470	36.0	10.6	2.29	.59	.72	.85	34.2	10.0	2.57	.60	.74	.87	32.4	9.5	2.90	.61	.76	.90	30.2	8.9	3.28	.63	.78	.93
	1200	565	37.2	10.9	2.30	.62	.76	.91	35.4	10.4	2.59	.63	.78	.93	33.4	9.8	2.92	.64	.80	.96	31.2	9.1	3.30	.66	.83	.99
	1400	660	38.5	11.3	2.32	.64	.80	.96	36.4	10.7	2.60	.65	.82	.98	34.2	10.0	2.93	.67	.85	1.00	31.8	9.3	3.30	.69	.89	1.00
71°F (22°C)	1000	470	37.8	11.1	2.31	.45	.58	.70	36.0	10.6	2.60	.45	.59	.71	34.0	10.0	2.92	.46	.60	.73	32.0	9.4	3.31	.46	.61	.76
	1200	565	39.0	11.4	2.33	.46	.60	.74	37.4	11.0	2.62	.46	.61	.76	35.2	10.3	2.94	.47	.63	.78	33.0	9.7	3.32	.48	.65	.81
	1400	660	40.5	11.9	2.35	.47	.63	.78	38.5	11.3	2.63	.48	.64	.80	36.2	10.6	2.96	.48	.66	.83	33.8	9.9	3.34	.49	.68	.86

COOLING CAPACITY - TPA036S4 with [CBX26UH-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)	1070	505	34.4	10.1	2.27	.76	.89	1.00	32.8	9.6	2.55	.77	.92	1.00	31.0	9.1	2.88	.79	.95	1.00	28.8	8.4	3.26	.82	.98	1.00
	1200	565	35.2	10.3	2.28	.78	.93	1.00	33.4	9.8	2.56	.80	.96	1.00	31.6	9.3	2.89	.82	.99	1.00	29.6	8.7	3.27	.85	1.00	1.00
	1370	645	36.0	10.6	2.29	.81	.97	1.00	34.4	10.1	2.57	.83	.99	1.00	32.6	9.6	2.90	.86	1.00	1.00	30.6	9.0	3.29	.90	1.00	1.00
67°F (19°C)	1070	505	36.6	10.7	2.29	.60	.73	.86	34.8	10.2	2.58	.61	.75	.89	32.8	9.6	2.91	.62	.77	.91	30.6	9.0	3.29	.64	.80	.95
	1200	565	37.4	11.0	2.31	.62	.76	.90	35.6	10.4	2.59	.63	.78	.92	33.6	9.8	2.92	.64	.80	.95	31.2	9.1	3.30	.66	.83	.99
	1370	645	38.0	11.1	2.32	.63	.79	.94	36.4	10.7	2.60	.65	.81	.97	34.2	10.0	2.93	.66	.84	1.00	32.0	9.4	3.31	.68	.87	1.00
71°F (22°C)	1070	505	38.5	11.3	2.32	.45	.59	.71	36.8	10.8	2.61	.46	.60	.73	34.8	10.2	2.94	.46	.61	.75	32.4	9.5	3.31	.47	.62	.77
	1200	565	39.5	11.6	2.33	.46	.60	.73	37.6	11.0	2.62	.47	.61	.75	35.4	10.4	2.95	.47	.63	.78	33.2	9.7	3.33	.48	.64	.81
	1370	645	40.0	11.7	2.35	.47	.62	.77	38.5	11.3	2.63	.47	.64	.79	36.2	10.6	2.96	.48	.65	.82	33.8	9.9	3.33	.49	.67	.85

HEATING CAPACITY - TPA036S4 with [CBX26UH-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	
1070	505	41.4	12.1	2.43	31.9	9.3	2.27	21.8	6.4	2.09	15.8	4.6	1.89	7.9	2.3	1.40
1200	565	41.9	12.3	2.36	32.4	9.5	2.19	22.2	6.5	2.02	16.3	4.8	1.82	8.4	2.5	1.32
1370	645	42.3	12.4	2.28	32.8	9.6	2.12	22.7	6.7	1.94	16.7	4.9	1.74	8.8	2.6	1.25

HEATING CAPACITY - TPA036S4 with [CB29M-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	
1245	590	42.4	12.4	2.37	33.0	9.7	2.20	22.8	6.7	2.02	16.9	5.0	1.82	8.6	2.5	1.32
1415	670	43.1	12.6	2.30	33.6	9.8	2.13	23.5	6.9	1.95	17.5	5.1	1.74	9.3	2.7	1.25

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CBX26UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	41.9	12.3
60	16	2.32	39.8	11.7
55	13	2.28	37.6	11.0
50	10	2.24	35.5	10.4
47	8	2.22	34.2	10.0
45	7	2.19	32.4	9.5
40	4	2.12	27.9	8.2
35	2	2.05	23.4	6.9
30	-1	2.04	22.8	6.7
25	-4	2.02	22.2	6.5
20	-7	2.00	21.7	6.4
17	-8	1.99	21.3	6.2
15	-9	1.98	20.4	6.0
10	-12	1.94	18.3	5.4
5	-15	1.82	16.3	4.8
0	-18	1.69	14.3	4.2
-5	-21	1.57	12.3	3.6
-10	-23	1.44	10.4	3.0
-15	-26	1.32	8.4	2.5
-20	-29	1.20	6.4	1.9

HEATING PERFORMANCE at 1245 cfm (590 L/s) Indoor Coil Air Volume TPA036S4 with [CB29M-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.37	42.4	12.4
60	16	2.33	40.3	11.8
55	13	2.29	38.2	11.2
50	10	2.25	36.0	10.6
47	8	2.23	34.8	10.2
45	7	2.20	33.0	9.7
40	4	2.12	28.4	8.3
35	2	2.05	23.9	7.0
30	-1	2.03	23.4	6.9
25	-4	2.02	22.8	6.7
20	-7	2.00	22.3	6.5
17	-8	1.99	21.9	6.4
15	-9	1.98	21.1	6.2
10	-12	1.94	18.9	5.5
5	-15	1.82	16.9	5.0
0	-18	1.69	14.8	4.3
-5	-21	1.57	12.8	3.8
-10	-23	1.44	10.7	3.1
-15	-26	1.32	8.6	2.5
-20	-29	1.20	6.6	1.9

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

COOLING CAPACITY - TPA036S4 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 (17°C)	1000	470	33.8	9.9	2.26	.75	.89	1.00	32.0	9.4	2.54	.77	.92	1.00	30.2	8.9	2.87	.79	.94	1.00	28.0	8.2	3.25	.81	.98	1.00
	1200	565	35.0	10.3	2.27	.79	.95	1.00	33.2	9.7	2.56	.81	.97	1.00	31.4	9.2	2.89	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.28	.59	.73	.86	34.0	10.0	2.56	.60	.74	.88	32.0	9.4	2.90	.61	.76	.91	29.8	8.7	3.28	.63	.79	.95
	1200	565	37.0	10.8	2.30	.62	.77	.92	35.2	10.3	2.58	.63	.79	.94	33.0	9.7	2.91	.64	.81	.97	30.8	9.0	3.29	.66	.84	1.00
71°F (22°C)	1000	470	37.6	11.0	2.31	.45	.58	.70	35.8	10.5	2.59	.45	.59	.72	33.8	9.9	2.92	.46	.60	.74	31.6	9.3	3.30	.46	.62	.77
	1200	565	39.0	11.4	2.33	.46	.61	.75	37.0	10.8	2.61	.46	.62	.77	34.8	10.2	2.94	.47	.63	.79	32.6	9.6	3.32	.48	.65	.82

COOLING CAPACITY - TPA036S4 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 (17°C)	1000	470	34.8	10.2	2.27	.75	.89	1.00	33.0	9.7	2.55	.77	.92	1.00	31.0	9.1	2.88	.79	.94	1.00	29.0	8.5	3.27	.81	.98	1.00
	1200	565	36.0	10.6	2.29	.79	.95	1.00	34.2	10.0	2.57	.81	.98	1.00	32.2	9.4	2.90	.84	1.00	1.00	30.2	8.9	3.28	.87	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.30	.59	.73	.86	35.0	10.3	2.58	.60	.74	.88	33.0	9.7	2.91	.61	.76	.91	30.6	9.0	3.29	.63	.79	.95
	1200	565	38.0	11.1	2.31	.62	.77	.92	36.2	10.6	2.60	.63	.79	.95	34.0	10.0	2.93	.65	.82	.98	31.8	9.3	3.30	.66	.85	1.00
71°F (22°C)	1000	470	38.5	11.3	2.32	.45	.58	.70	36.8	10.8	2.61	.45	.59	.72	34.8	10.2	2.93	.46	.60	.74	32.4	9.5	3.32	.46	.62	.77
	1200	565	40.0	11.7	2.34	.46	.61	.75	38.0	11.1	2.63	.46	.62	.77	36.0	10.6	2.96	.47	.63	.79	33.4	9.8	3.33	.48	.65	.82

HEATING CAPACITY - TPA036S4 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	40.8	12.0	2.43	31.3	9.2	2.27	21.2	6.2	2.10	15.3	4.5	1.90	7.5	2.2	1.42
1200	565	41.6	12.2	2.31	32.1	9.4	2.15	21.9	6.4	1.98	16.0	4.7	1.78	8.2	2.4	1.29

HEATING CAPACITY - TPA036S4 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	41.0	12.0	2.40	31.4	9.2	2.24	21.3	6.2	2.07	15.3	4.5	1.88	7.6	2.2	1.40
1200	565	41.7	12.2	2.27	32.1	9.4	2.12	21.9	6.4	1.95	16.0	4.7	1.76	8.2	2.4	1.28

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	41.6	12.2
60	16	2.27	39.4	11.5
55	13	2.23	37.3	10.9
50	10	2.19	35.1	10.3
47	8	2.17	33.9	9.9
45	7	2.15	32.1	9.4
40	4	2.08	27.6	8.1
35	2	2.01	23.1	6.8
30	-1	1.99	22.5	6.6
25	-4	1.98	21.9	6.4
20	-7	1.96	21.3	6.2
17	-8	1.95	21.0	6.2
15	-9	1.94	20.1	5.9
10	-12	1.90	18.0	5.3
5	-15	1.78	16.0	4.7
0	-18	1.66	14.1	4.1
-5	-21	1.54	12.1	3.5
-10	-23	1.41	10.2	3.0
-15	-26	1.29	8.2	2.4
-20	-29	1.17	6.3	1.8

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CBX27UH-042] [CBX40UHV-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.27	41.7	12.2
60	16	2.24	39.5	11.6
55	13	2.20	37.3	10.9
50	10	2.17	35.2	10.3
47	8	2.14	33.9	9.9
45	7	2.12	32.1	9.4
40	4	2.05	27.6	8.1
35	2	1.98	23.1	6.8
30	-1	1.96	22.5	6.6
25	-4	1.95	21.9	6.4
20	-7	1.94	21.3	6.2
17	-8	1.93	20.9	6.1
15	-9	1.91	20.1	5.9
10	-12	1.88	17.9	5.2
5	-15	1.76	16.0	4.7
0	-18	1.64	14.0	4.1
-5	-21	1.52	12.1	3.5
-10	-23	1.40	10.2	3.0
-15	-26	1.28	8.2	2.4
-20	-29	1.16	6.3	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

COOLING CAPACITY - TPA036S4 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)	1000	470	33.8	9.9	2.26	.75	.89	1.00	32.2	9.4	2.54	.77	.91	1.00	30.2	8.9	2.87	.79	.95	1.00	28.0	8.2	3.25	.81	.98	1.00
	1200	565	35.0	10.3	2.27	.79	.95	1.00	33.2	9.7	2.56	.81	.97	1.00	31.4	9.2	2.89	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
	1400	660	36.0	10.6	2.29	.83	.99	1.00	34.2	10.0	2.57	.86	1.00	1.00	32.6	9.6	2.90	.88	1.00	1.00	30.6	9.0	3.28	.92	1.00	1.00
67°F (19°C)	1000	470	35.6	10.4	2.28	.59	.73	.86	34.0	10.0	2.57	.60	.74	.88	32.0	9.4	2.90	.61	.76	.91	29.8	8.7	3.28	.63	.79	.95
	1200	565	37.0	10.8	2.30	.62	.77	.92	35.0	10.3	2.58	.63	.79	.94	33.2	9.7	2.91	.64	.81	.97	30.8	9.0	3.29	.66	.84	1.00
	1400	660	38.0	11.1	2.31	.64	.81	.97	36.0	10.6	2.60	.66	.83	.99	34.0	10.0	2.92	.67	.86	1.00	31.6	9.3	3.30	.69	.90	1.00
71°F (22°C)	1000	470	37.4	11.0	2.31	.45	.58	.70	35.8	10.5	2.59	.45	.59	.72	33.8	9.9	2.92	.45	.60	.74	31.6	9.3	3.30	.46	.61	.76
	1200	565	39.0	11.4	2.33	.46	.61	.75	37.0	10.8	2.61	.47	.62	.77	34.8	10.2	2.94	.47	.63	.79	32.6	9.6	3.31	.48	.65	.82
	1400	660	40.0	11.7	2.34	.47	.63	.79	37.8	11.1	2.63	.48	.65	.82	35.8	10.5	2.95	.48	.66	.84	33.4	9.8	3.33	.49	.69	.88

COOLING CAPACITY - TPA036S4 with [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	2.26	.75	.89	1.00	32.0	9.4	2.54	.77	.91	1.00	30.2	8.9	2.87	.79	.95	1.00	28.0	8.2	3.25	.81	.98	1.00
	1200	565	35.0	10.3	2.27	.79	.95	1.00	33.2	9.7	2.56	.81	.97	1.00	31.4	9.2	2.89	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
	1400	660	36.0	10.6	2.29	.83	.99	1.00	34.2	10.0	2.57	.86	1.00	1.00	32.6	9.6	2.90	.88	1.00	1.00	30.6	9.0	3.28	.92	1.00	1.00
67°F (19°C)	1000	470	35.6	10.4	2.28	.59	.73	.86	34.0	10.0	2.57	.60	.74	.88	32.0	9.4	2.90	.61	.76	.91	29.8	8.7	3.28	.63	.79	.95
	1200	565	37.0	10.8	2.30	.62	.77	.92	35.0	10.3	2.58	.63	.79	.94	33.2	9.7	2.91	.64	.81	.97	30.8	9.0	3.29	.66	.84	1.00
	1400	660	38.0	11.1	2.31	.64	.81	.97	36.0	10.6	2.60	.66	.83	.99	34.0	10.0	2.92	.67	.86	1.00	31.4	9.2	3.30	.69	.90	1.00
71°F (22°C)	1000	470	37.4	11.0	2.31	.45	.58	.70	35.8	10.5	2.59	.45	.59	.72	33.8	9.9	2.92	.45	.60	.74	31.6	9.3	3.30	.46	.61	.76
	1200	565	39.0	11.4	2.33	.46	.61	.75	37.0	10.8	2.61	.47	.62	.77	34.8	10.2	2.94	.47	.63	.79	32.6	9.6	3.31	.48	.65	.82
	1400	660	40.0	11.7	2.34	.47	.63	.79	37.8	11.1	2.63	.48	.65	.82	35.8	10.5	2.95	.48	.66	.84	33.4	9.8	3.33	.49	.69	.88

HEATING CAPACITY - TPA036S4 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	
1000	470	41.4	12.1	2.43	31.8	9.3	2.27	21.7	6.4	2.10	15.8	4.6	1.90	7.8	2.3	1.41
1200	565	42.0	12.3	2.31	32.5	9.5	2.15	22.3	6.5	1.98	16.4	4.8	1.78	8.4	2.5	1.29
1400	660	42.6	12.5	2.22	33.1	9.7	2.06	22.9	6.7	1.90	17.0	5.0	1.70	9.0	2.6	1.21

HEATING CAPACITY - TPA036S4 with [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 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	41.3	12.1	2.43	31.8	9.3	2.27	21.7	6.4	2.10	15.7	4.6	1.90	7.8	2.3	1.41
1200	565	41.9	12.3	2.31	32.4	9.5	2.15	22.2	6.5	1.98	16.3	4.8	1.78	8.4	2.5	1.29
1400	660	42.6	12.5	2.22	33.1	9.7	2.06	22.9	6.7	1.90	17.0	5.0	1.70	9.1	2.7	1.21

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CBX32M-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	42.0	12.3
60	16	2.27	39.9	11.7
55	13	2.23	37.7	11.0
50	10	2.20	35.6	10.4
47	8	2.17	34.3	10.1
45	7	2.15	32.5	9.5
40	4	2.08	28.0	8.2
35	2	2.01	23.5	6.9
30	-1	1.99	22.9	6.7
25	-4	1.98	22.3	6.5
20	-7	1.96	21.8	6.4
17	-8	1.95	21.4	6.3
15	-9	1.94	20.6	6.0
10	-12	1.90	18.4	5.4
5	-15	1.78	16.4	4.8
0	-18	1.66	14.4	4.2
-5	-21	1.54	12.4	3.6
-10	-23	1.41	10.4	3.0
-15	-26	1.29	8.4	2.5
-20	-29	1.17	6.4	1.9

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CBX32M-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	41.9	12.3
60	16	2.27	39.7	11.6
55	13	2.23	37.6	11.0
50	10	2.20	35.5	10.4
47	8	2.17	34.2	10.0
45	7	2.15	32.4	9.5
40	4	2.08	27.9	8.2
35	2	2.01	23.4	6.9
30	-1	1.99	22.8	6.7
25	-4	1.98	22.2	6.5
20	-7	1.96	21.6	6.3
17	-8	1.95	21.3	6.2
15	-9	1.94	20.4	6.0
10	-12	1.90	18.3	5.4
5	-15	1.78	16.3	4.8
0	-18	1.66	14.3	4.2
-5	-21	1.54	12.3	3.6
-10	-23	1.41	10.4	3.0
-15	-26	1.29	8.4	2.5
-20	-29	1.17	6.4	1.9

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

COOLING CAPACITY - TPA036S4 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)	1000	470	34.0	10.0	2.26	.76	.90	1.00	32.2	9.4	2.54	.77	.92	1.00	30.2	8.9	2.87	.80	.95	1.00	28.2	8.3	3.25	.82	.98	1.00
	1225	580	35.2	10.3	2.28	.81	.97	1.00	33.4	9.8	2.56	.83	.99	1.00	31.6	9.3	2.89	.86	1.00	1.00	29.8	8.7	3.28	.89	1.00	1.00
	1400	660	36.2	10.6	2.29	.85	1.00	1.00	34.6	10.1	2.58	.87	1.00	1.00	32.8	9.6	2.91	.90	1.00	1.00	30.8	9.0	3.29	.94	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.28	.60	.73	.87	34.0	10.0	2.57	.61	.75	.89	32.2	9.4	2.90	.62	.77	.92	30.0	8.8	3.28	.64	.80	.96
	1225	580	37.2	10.9	2.30	.64	.79	.94	35.4	10.4	2.59	.65	.81	.96	33.4	9.8	2.91	.66	.83	.99	31.0	9.1	3.30	.68	.87	1.00
	1400	660	38.0	11.1	2.32	.66	.83	.98	36.2	10.6	2.60	.67	.85	1.00	34.0	10.0	2.93	.69	.88	1.00	31.6	9.3	3.30	.72	.92	1.00
71°F (22°C)	1000	470	37.6	11.0	2.31	.46	.59	.71	35.8	10.5	2.60	.46	.60	.73	33.8	9.9	2.92	.47	.61	.75	31.6	9.3	3.30	.47	.63	.77
	1225	580	39.0	11.4	2.33	.48	.62	.77	37.2	10.9	2.62	.48	.63	.79	35.2	10.3	2.94	.49	.65	.81	32.8	9.6	3.32	.49	.67	.84
	1400	660	40.0	11.7	2.34	.49	.65	.81	38.0	11.1	2.63	.50	.67	.83	36.0	10.6	2.96	.50	.68	.86	33.6	9.8	3.33	.51	.71	.90

HEATING CAPACITY - TPA036S4 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	
1000	470	40.9	12.0	2.44	31.4	9.2	2.29	21.3	6.2	2.12	15.3	4.5	1.92	7.5	2.2	1.43
1225	580	41.7	12.2	2.31	32.2	9.4	2.15	22.1	6.5	1.99	16.2	4.7	1.79	8.3	2.4	1.30
1400	660	42.4	12.4	2.25	32.9	9.6	2.09	22.8	6.7	1.92	16.9	5.0	1.73	9.0	2.6	1.24

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CBX32MV-036] [CBX40UHV-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	41.7	12.2
60	16	2.27	39.6	11.6
55	13	2.24	37.4	11.0
50	10	2.20	35.3	10.3
47	8	2.18	34.0	10.0
45	7	2.15	32.2	9.4
40	4	2.09	27.7	8.1
35	2	2.02	23.2	6.8
30	-1	2.00	22.7	6.7
25	-4	1.99	22.1	6.5
20	-7	1.97	21.5	6.3
17	-8	1.96	21.1	6.2
15	-9	1.95	20.3	5.9
10	-12	1.91	18.1	5.3
5	-15	1.79	16.2	4.7
0	-18	1.67	14.2	4.2
-5	-21	1.55	12.2	3.6
-10	-23	1.42	10.3	3.0
-15	-26	1.30	8.3	2.4
-20	-29	1.18	6.3	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

COOLING CAPACITY - TPA036S4 with [CX34-36B-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)	995	470	33.2	9.7	2.25	.76	.89	1.00	31.6	9.3	2.53	.77	.91	1.00	29.8	8.7	2.87	.79	.94	1.00	27.8	8.1	3.25	.82	.97	1.00
	1225	580	34.6	10.1	2.27	.80	.95	1.00	33.0	9.7	2.55	.82	.98	1.00	31.2	9.1	2.89	.85	1.00	1.00	29.2	8.6	3.27	.88	1.00	1.00
	1380	650	35.6	10.4	2.28	.83	.99	1.00	33.8	9.9	2.56	.85	1.00	1.00	32.0	9.4	2.90	.88	1.00	1.00	30.2	8.9	3.28	.92	1.00	1.00
67°F (19°C)	995	470	35.0	10.3	2.27	.61	.73	.86	33.4	9.8	2.56	.61	.75	.88	31.4	9.2	2.89	.63	.77	.91	29.4	8.6	3.27	.64	.79	.94
	1225	580	36.6	10.7	2.29	.63	.78	.92	34.8	10.2	2.58	.64	.80	.95	32.8	9.6	2.91	.66	.82	.98	30.6	9.0	3.28	.68	.85	1.00
	1380	650	37.4	11.0	2.31	.65	.81	.96	35.6	10.4	2.59	.67	.83	.99	33.4	9.8	2.91	.68	.86	1.00	31.2	9.1	3.30	.70	.89	1.00
71°F (22°C)	995	470	36.4	10.7	2.29	.47	.59	.71	34.8	10.2	2.58	.47	.60	.73	32.8	9.6	2.91	.47	.61	.75	30.8	9.0	3.29	.48	.63	.77
	1225	580	38.0	11.1	2.32	.48	.62	.76	36.4	10.7	2.60	.49	.63	.78	34.4	10.1	2.93	.49	.65	.80	32.2	9.4	3.31	.50	.67	.83
	1380	650	39.0	11.4	2.33	.49	.64	.79	37.2	10.9	2.62	.50	.66	.81	35.2	10.3	2.94	.50	.67	.84	32.8	9.6	3.32	.51	.69	.87

COOLING CAPACITY - TPA036S4 with [CX34-36C-6F + G61MPV-36C-090] [CX34-36C-6F + G71MPP-36C-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)	1010	475	33.4	9.8	2.26	.76	.90	1.00	31.8	9.3	2.54	.78	.92	1.00	30.0	8.8	2.87	.80	.95	1.00	28.0	8.2	3.25	.82	.98	1.00
	1185	560	34.4	10.1	2.27	.79	.94	1.00	32.8	9.6	2.55	.81	.97	1.00	31.0	9.1	2.88	.84	.99	1.00	29.0	8.5	3.27	.87	1.00	1.00
	1395	660	35.6	10.4	2.28	.84	.99	1.00	34.0	10.0	2.57	.86	1.00	1.00	32.2	9.4	2.90	.89	1.00	1.00	30.2	8.9	3.28	.92	1.00	1.00
67°F (19°C)	1010	475	35.0	10.3	2.28	.61	.74	.86	33.4	9.8	2.56	.62	.75	.89	31.6	9.3	2.89	.63	.77	.91	29.4	8.6	3.27	.64	.80	.95
	1185	560	36.2	10.6	2.29	.63	.77	.91	34.6	10.1	2.58	.64	.79	.94	32.6	9.6	2.90	.65	.81	.97	30.4	8.9	3.28	.67	.84	1.00
	1395	660	37.4	11.0	2.31	.66	.81	.97	35.6	10.4	2.59	.67	.84	.99	33.6	9.8	2.92	.69	.87	1.00	31.2	9.1	3.30	.71	.90	1.00
71°F (22°C)	1010	475	36.6	10.7	2.30	.47	.59	.71	35.0	10.3	2.58	.47	.60	.73	33.0	9.7	2.91	.48	.62	.75	31.0	9.1	3.29	.48	.63	.78
	1185	560	38.0	11.1	2.31	.48	.62	.75	36.2	10.6	2.60	.48	.63	.77	34.2	10.0	2.93	.49	.64	.79	32.0	9.4	3.31	.50	.66	.82
	1395	660	39.0	11.4	2.33	.49	.65	.79	37.2	10.9	2.62	.50	.66	.81	35.2	10.3	2.94	.51	.68	.84	33.0	9.7	3.32	.51	.70	.88

HEATING CAPACITY - TPA036S4 with [CX34-36B-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)		
		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	
1225	580	41.1	12.0	2.46	31.7	9.3	2.29	21.7	6.4	2.10	15.9	4.7	1.89
1380	650	41.5	12.2	2.41	32.2	9.4	2.23	22.2	6.5	2.04	16.4	4.8	1.83

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)		
		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	
1185	560	41.0	12.0	2.50	31.6	9.3	2.31	21.7	6.4	2.12	15.8	4.6	1.90
1395	660	41.7	12.2	2.40	32.4	9.5	2.21	22.4	6.6	2.02	16.6	4.9	1.80

HEATING CAPACITY - TPA036S4 with [CX34-36C-6F + G61MPV-36C-090] [CX34-36C-6F + G71MPP-36C-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)		
		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	
1185	560	41.0	12.0	2.50	31.6	9.3	2.31	21.7	6.4	2.12	15.8	4.6	1.90
1395	660	41.7	12.2	2.40	32.4	9.5	2.21	22.4	6.6	2.02	16.6	4.9	1.80

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-36B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.46	41.1	12.0
60	16	2.42	39.0	11.4
55	13	2.38	36.8	10.8
50	10	2.34	34.7	10.2
47	8	2.32	33.5	9.8
45	7	2.29	31.7	9.3
40	4	2.21	27.3	8.0
35	2	2.14	22.9	6.7
30	-1	2.12	22.3	6.5
25	-4	2.10	21.7	6.4
20	-7	2.08	21.1	6.2
17	-8	2.07	20.8	6.1
15	-9	2.06	19.9	5.8
10	-12	2.02	17.8	5.2
5	-15	1.89	15.9	4.7
0	-18	1.76	14.0	4.1
-5	-21	1.63	12.0	3.5
-10	-23	1.50	10.1	3.0
-15	-26	1.37	8.2	2.4
-20	-29	1.25	6.2	1.8

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-36C-6F + G61MPV-36C-090] [CX34-36C-6F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.50	41.0	12.0
60	16	2.45	38.9	11.4
55	13	2.41	36.7	10.8
50	10	2.37	34.6	10.1
47	8	2.34	33.4	9.8
45	7	2.31	31.6	9.3
40	4	2.23	27.2	8.0
35	2	2.15	22.8	6.7
30	-1	2.14	22.2	6.5
25	-4	2.12	21.7	6.4
20	-7	2.10	21.1	6.2
17	-8	2.09	20.7	6.1
15	-9	2.07	19.9	5.8
10	-12	2.03	17.8	5.2
5	-15	1.90	15.8	4.6
0	-18	1.77	13.9	4.1
-5	-21	1.64	12.0	3.5
-10	-23	1.51	10.1	3.0
-15	-26	1.38	8.1	2.4
-20	-29	1.25	6.2	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

COOLING CAPACITY - TPA036S4 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)	1000	470	34.4	10.1	2.27	.76	.89	1.00	32.8	9.6	2.55	.77	.91	1.00	30.8	9.0	2.88	.79	.94	1.00	28.8	8.4	3.26	.82	.98	1.00
	1230	580	36.0	10.6	2.29	.81	.96	1.00	34.2	10.0	2.57	.83	.98	1.00	32.2	9.4	2.90	.85	1.00	1.00	30.4	8.9	3.28	.88	1.00	1.00
	1380	650	36.8	10.8	2.30	.84	1.00	1.00	35.0	10.3	2.58	.86	1.00	1.00	33.2	9.7	2.91	.89	1.00	1.00	31.4	9.2	3.30	.93	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.29	.60	.73	.86	34.6	10.1	2.58	.61	.75	.88	32.8	9.6	2.91	.62	.77	.91	30.6	9.0	3.29	.64	.79	.94
	1230	580	38.0	11.1	2.32	.63	.79	.93	36.2	10.6	2.60	.65	.81	.95	34.0	10.0	2.93	.66	.83	.98	31.8	9.3	3.30	.68	.86	1.00
	1380	650	38.5	11.3	2.33	.66	.82	.97	36.8	10.8	2.61	.67	.84	.99	34.8	10.2	2.93	.69	.87	1.00	32.2	9.4	3.31	.71	.90	1.00
71°F (22°C)	1000	470	38.5	11.3	2.32	.47	.59	.71	36.6	10.7	2.60	.46	.60	.72	34.6	10.1	2.93	.47	.61	.74	32.2	9.4	3.31	.47	.62	.77
	1230	580	40.0	11.7	2.34	.48	.62	.76	38.0	11.1	2.63	.48	.64	.78	36.0	10.6	2.96	.49	.65	.81	33.6	9.8	3.33	.50	.67	.84
	1380	650	41.0	12.0	2.36	.49	.65	.80	39.0	11.4	2.64	.50	.66	.82	36.6	10.7	2.97	.51	.68	.85	34.2	10.0	3.34	.51	.70	.88

COOLING CAPACITY - TPA036S4 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)	995	470	34.4	10.1	2.27	.75	.89	1.00	32.6	9.6	2.55	.77	.91	1.00	30.8	9.0	2.88	.79	.94	1.00	28.8	8.4	3.26	.81	.97	1.00
	1225	580	35.8	10.5	2.29	.80	.95	1.00	34.0	10.0	2.57	.82	.98	1.00	32.2	9.4	2.90	.85	1.00	1.00	30.2	8.9	3.28	.88	1.00	1.00
	1380	650	36.6	10.7	2.30	.83	.99	1.00	34.8	10.2	2.58	.86	1.00	1.00	33.2	9.7	2.91	.88	1.00	1.00	31.2	9.1	3.30	.92	1.00	1.00
67°F (19°C)	995	470	36.4	10.7	2.29	.60	.73	.85	34.6	10.1	2.58	.61	.74	.88	32.6	9.6	2.91	.62	.76	.90	30.4	8.9	3.28	.63	.79	.94
	1225	580	38.0	11.1	2.31	.63	.78	.92	36.0	10.6	2.60	.64	.80	.95	34.0	10.0	2.92	.66	.82	.98	31.6	9.3	3.30	.67	.85	1.00
	1380	650	38.5	11.3	2.32	.65	.81	.97	36.8	10.8	2.61	.67	.84	.99	34.6	10.1	2.94	.68	.86	1.00	32.2	9.4	3.31	.70	.90	1.00
71°F (22°C)	995	470	38.0	11.1	2.32	.46	.58	.70	36.4	10.7	2.60	.46	.59	.72	34.4	10.1	2.93	.47	.61	.74	32.2	9.4	3.31	.47	.62	.77
	1225	580	40.0	11.7	2.34	.48	.62	.76	38.0	11.1	2.63	.48	.63	.78	35.8	10.5	2.95	.49	.64	.80	33.4	9.8	3.33	.49	.66	.83
	1380	650	40.5	11.9	2.35	.49	.64	.79	38.5	11.3	2.64	.49	.65	.81	36.6	10.7	2.97	.50	.67	.84	34.0	10.0	3.34	.51	.69	.87

HEATING CAPACITY - TPA036S4 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	
1230	580	41.5	12.2	2.44	32.1	9.4	2.26	22.1	6.5	2.06	16.2	4.7	1.86	8.3	2.4	1.35
1380	650	42.1	12.3	2.37	32.7	9.6	2.19	22.7	6.7	2.00	16.8	4.9	1.79	8.9	2.6	1.28

HEATING CAPACITY - TPA036S4 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	
1225	580	41.2	12.1	2.44	31.9	9.3	2.26	21.8	6.4	2.06	16.0	4.7	1.85	8.2	2.4	1.35
1380	650	41.7	12.2	2.37	32.3	9.5	2.18	22.3	6.5	1.99	16.5	4.8	1.78	8.7	2.5	1.28

HEATING PERFORMANCE at 1230 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-38A-6F + G60UHV-36A-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	41.5	12.2
60	16	2.40	39.4	11.5
55	13	2.36	37.3	10.9
50	10	2.32	35.2	10.3
47	8	2.29	33.9	9.9
45	7	2.26	32.1	9.4
40	4	2.18	27.7	8.1
35	2	2.09	23.3	6.8
30	-1	2.08	22.7	6.7
25	-4	2.06	22.1	6.5
20	-7	2.05	21.5	6.3
17	-8	2.04	21.2	6.2
15	-9	2.02	20.3	5.9
10	-12	1.98	18.2	5.3
5	-15	1.86	16.2	4.7
0	-18	1.73	14.3	4.2
-5	-21	1.60	12.3	3.6
-10	-23	1.48	10.3	3.0
-15	-26	1.35	8.3	2.4
-20	-29	1.23	6.4	1.9

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-38B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	41.2	12.1
60	16	2.40	39.1	11.5
55	13	2.36	37.0	10.8
50	10	2.31	34.9	10.2
47	8	2.29	33.6	9.8
45	7	2.26	31.9	9.3
40	4	2.17	27.4	8.0
35	2	2.09	23.0	6.7
30	-1	2.08	22.4	6.6
25	-4	2.06	21.8	6.4
20	-7	2.05	21.3	6.2
17	-8	2.04	20.9	6.1
15	-9	2.02	20.1	5.9
10	-12	1.98	17.9	5.2
5	-15	1.85	16.0	4.7
0	-18	1.73	14.0	4.1
-5	-21	1.60	12.1	3.5
-10	-23	1.48	10.2	3.0
-15	-26	1.35	8.2	2.4
-20	-29	1.22	6.3	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

COOLING CAPACITY - TPA036S4 with [CX34-38B-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)	1055	500	34.8	10.2	2.27	.77	.91	1.00	33.0	9.7	2.55	.79	.93	1.00	31.2	9.1	2.88	.81	.96	1.00	29.2	8.6	3.27	.83	.99	1.00
	1235	585	36.0	10.6	2.29	.81	.96	1.00	34.2	10.0	2.57	.83	.99	1.00	32.2	9.4	2.90	.85	1.00	1.00	30.4	8.9	3.28	.88	1.00	1.00
	1420	670	37.0	10.8	2.30	.85	1.00	1.00	35.4	10.4	2.59	.87	1.00	1.00	33.6	9.8	2.92	.90	1.00	1.00	31.6	9.3	3.30	.94	1.00	1.00
67°F (19°C)	1055	500	36.8	10.8	2.30	.61	.74	.88	35.0	10.3	2.59	.62	.76	.90	33.0	9.7	2.91	.63	.78	.93	30.8	9.0	3.29	.65	.81	.96
	1235	585	38.0	11.1	2.32	.64	.79	.93	36.2	10.6	2.60	.65	.81	.95	34.0	10.0	2.93	.66	.83	.98	31.8	9.3	3.30	.68	.86	1.00
	1420	670	39.0	11.4	2.33	.67	.83	.98	37.0	10.8	2.61	.68	.85	1.00	34.8	10.2	2.94	.70	.88	1.00	32.4	9.5	3.31	.72	.92	1.00
71°F (22°C)	1055	500	39.0	11.4	2.32	.47	.60	.72	37.0	10.8	2.61	.47	.61	.74	35.0	10.3	2.94	.47	.62	.76	32.6	9.6	3.32	.48	.63	.79
	1235	585	40.0	11.7	2.34	.48	.62	.76	38.0	11.1	2.63	.49	.64	.78	36.0	10.6	2.96	.49	.65	.81	33.6	9.8	3.33	.50	.67	.84
	1420	670	41.0	12.0	2.36	.50	.65	.81	39.0	11.4	2.64	.51	.67	.83	36.8	10.8	2.97	.51	.69	.86	34.4	10.1	3.35	.52	.71	.89

COOLING CAPACITY - TPA036S4 with [CX34-38B-6F + G61MPV-36B-070] [CX34-38B-6F + G71MPP-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	2.27	.76	.89	1.00	32.8	9.6	2.55	.77	.92	1.00	31.0	9.1	2.88	.79	.94	1.00	28.8	8.4	3.26	.82	.98	1.00
	1190	560	35.6	10.4	2.28	.80	.95	1.00	34.0	10.0	2.57	.82	.97	1.00	32.0	9.4	2.90	.84	1.00	1.00	30.0	8.8	3.28	.87	1.00	1.00
	1395	660	37.0	10.8	2.30	.84	1.00	1.00	35.2	10.3	2.58	.87	1.00	1.00	33.4	9.8	2.92	.89	1.00	1.00	31.4	9.2	3.30	.93	1.00	1.00
67°F (19°C)	1010	475	36.4	10.7	2.29	.60	.73	.86	34.8	10.2	2.58	.61	.75	.88	32.8	9.6	2.91	.62	.77	.91	30.6	9.0	3.29	.64	.79	.94
	1190	560	37.8	11.1	2.31	.63	.78	.92	36.0	10.6	2.59	.64	.79	.94	33.8	9.9	2.92	.65	.82	.97	31.6	9.3	3.30	.67	.85	1.00
	1395	660	39.0	11.4	2.33	.66	.82	.97	36.8	10.8	2.61	.67	.84	1.00	34.6	10.1	2.93	.69	.87	1.00	32.4	9.5	3.31	.71	.91	1.00
71°F (22°C)	1010	475	38.5	11.3	2.32	.46	.59	.71	36.6	10.7	2.61	.46	.60	.73	34.6	10.1	2.93	.47	.61	.75	32.4	9.5	3.31	.47	.62	.77
	1190	560	40.0	11.7	2.34	.48	.62	.75	37.8	11.1	2.62	.48	.63	.77	35.8	10.5	2.95	.49	.64	.79	33.4	9.8	3.33	.49	.66	.82
	1395	660	41.0	12.0	2.36	.49	.65	.80	39.0	11.4	2.64	.50	.66	.82	36.6	10.7	2.97	.51	.68	.85	34.2	10.0	3.34	.51	.70	.88

HEATING CAPACITY - TPA036S4 with [CX34-38B-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	
1235	580	41.6	12.2	2.44	32.2	9.4	2.26	22.2	6.5	2.06	16.3	4.8	1.86	8.4	2.5	1.35
1420	670	42.5	12.5	2.36	33.1	9.7	2.18	23.1	6.8	1.98	17.2	5.0	1.78	9.2	2.7	1.27

HEATING CAPACITY - TPA036S4 with [CX34-38B-6F + G61MPV-36B-070] [CX34-38B-6F + G71MPP-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	
1190	560	41.3	12.1	2.47	32.0	9.4	2.28	22.0	6.4	2.08	16.1	4.7	1.86	8.3	2.4	1.36
1395	660	42.2	12.4	2.37	32.8	9.6	2.18	22.8	6.7	1.98	17.0	5.0	1.77	9.1	2.7	1.26

HEATING PERFORMANCE at 1235 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-38B-6F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	41.6	12.2
60	16	2.40	39.5	11.6
55	13	2.36	37.4	11.0
50	10	2.32	35.2	10.3
47	8	2.29	34.0	10.0
45	7	2.26	32.2	9.4
40	4	2.18	27.8	8.1
35	2	2.10	23.3	6.8
30	-1	2.08	22.7	6.7
25	-4	2.06	22.2	6.5
20	-7	2.05	21.6	6.3
17	-8	2.04	21.3	6.2
15	-9	2.02	20.4	6.0
10	-12	1.98	18.3	5.4
5	-15	1.86	16.3	4.8
0	-18	1.73	14.3	4.2
-5	-21	1.60	12.3	3.6
-10	-23	1.48	10.3	3.0
-15	-26	1.35	8.4	2.5
-20	-29	1.23	6.4	1.9

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-38B-6F + G61MPV-36B-070] [CX34-38B-6F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.47	41.3	12.1
60	16	2.43	39.2	11.5
55	13	2.38	37.1	10.9
50	10	2.34	35.0	10.3
47	8	2.31	33.7	9.9
45	7	2.28	32.0	9.4
40	4	2.20	27.6	8.1
35	2	2.11	23.2	6.8
30	-1	2.09	22.6	6.6
25	-4	2.08	22.0	6.4
20	-7	2.06	21.4	6.3
17	-8	2.05	21.1	6.2
15	-9	2.03	20.2	5.9
10	-12	1.99	18.1	5.3
5	-15	1.86	16.1	4.7
0	-18	1.74	14.2	4.2
-5	-21	1.61	12.2	3.6
-10	-23	1.48	10.3	3.0
-15	-26	1.36	8.3	2.4
-20	-29	1.23	6.3	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

COOLING CAPACITY - TPA036S4 with [CX34-42B-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)	995	470	33.2	9.7	2.25	.76	.89	1.00	31.6	9.3	2.53	.77	.91	1.00	29.8	8.7	2.87	.79	.94	1.00	27.8	8.1	3.25	.82	.97	1.00
	1225	580	34.6	10.1	2.27	.80	.95	1.00	33.0	9.7	2.55	.82	.98	1.00	31.2	9.1	2.89	.85	1.00	1.00	29.2	8.6	3.27	.88	1.00	1.00
	1380	650	35.6	10.4	2.28	.83	.99	1.00	33.8	9.9	2.56	.85	1.00	1.00	32.0	9.4	2.90	.88	1.00	1.00	30.2	8.9	3.28	.92	1.00	1.00
67°F (19°C)	995	470	35.0	10.3	2.27	.61	.73	.86	33.4	9.8	2.56	.61	.75	.88	31.4	9.2	2.89	.63	.77	.91	29.4	8.6	3.27	.64	.79	.94
	1225	580	36.6	10.7	2.29	.63	.78	.92	34.8	10.2	2.58	.64	.80	.95	32.8	9.6	2.91	.66	.82	.98	30.6	9.0	3.28	.68	.85	1.00
	1380	650	37.4	11.0	2.31	.65	.81	.96	35.6	10.4	2.59	.67	.83	.99	33.4	9.8	2.91	.68	.86	1.00	31.2	9.1	3.30	.70	.89	1.00
71°F (22°C)	995	470	36.4	10.7	2.29	.47	.59	.71	34.8	10.2	2.58	.47	.60	.73	32.8	9.6	2.91	.47	.61	.75	30.8	9.0	3.29	.48	.63	.77
	1225	580	38.0	11.1	2.32	.48	.62	.76	36.4	10.7	2.60	.49	.63	.78	34.4	10.1	2.93	.49	.65	.80	32.2	9.4	3.31	.50	.67	.83
	1380	650	39.0	11.4	2.33	.49	.64	.79	37.2	10.9	2.62	.50	.66	.81	35.2	10.3	2.94	.50	.67	.84	32.8	9.6	3.32	.51	.69	.87

COOLING CAPACITY - TPA036S4 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)	995	470	34.0	10.0	2.26	.74	.87	.99	32.4	9.5	2.54	.76	.90	1.00	30.6	9.0	2.88	.78	.92	1.00	28.4	8.3	3.26	.80	.96	1.00
	1225	580	35.6	10.4	2.28	.79	.94	1.00	33.8	9.9	2.56	.81	.96	1.00	31.8	9.3	2.89	.83	.99	1.00	29.8	8.7	3.28	.86	1.00	1.00
	1380	650	36.4	10.7	2.29	.82	.97	1.00	34.6	10.1	2.57	.84	1.00	1.00	32.6	9.6	2.90	.87	1.00	1.00	30.8	9.0	3.29	.90	1.00	1.00
67°F (19°C)	995	470	36.0	10.6	2.29	.59	.72	.84	34.2	10.0	2.57	.60	.73	.86	32.4	9.5	2.90	.61	.75	.89	30.2	8.9	3.28	.63	.78	.92
	1225	580	37.6	11.0	2.31	.62	.77	.90	35.6	10.4	2.59	.63	.78	.93	33.6	9.8	2.92	.65	.81	.96	31.4	9.2	3.30	.66	.84	.99
	1380	650	38.5	11.3	2.32	.64	.79	.94	36.4	10.7	2.60	.66	.82	.97	34.4	10.1	2.93	.67	.84	1.00	32.0	9.4	3.31	.69	.88	1.00
71°F (22°C)	995	470	38.0	11.1	2.31	.46	.58	.70	36.2	10.6	2.60	.46	.59	.71	34.2	10.0	2.93	.47	.60	.73	32.0	9.4	3.31	.47	.61	.75
	1225	580	39.5	11.6	2.34	.47	.61	.74	37.6	11.0	2.62	.48	.62	.76	35.6	10.4	2.95	.48	.64	.78	33.2	9.7	3.33	.49	.65	.81
	1380	650	40.5	11.9	2.35	.48	.63	.78	38.5	11.3	2.64	.49	.64	.80	36.2	10.6	2.96	.50	.66	.82	33.8	9.9	3.34	.50	.68	.85

HEATING CAPACITY - TPA036S4 with [CX34-42B-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	
1225	580	41.1	12.0	2.46	31.7	9.3	2.29	21.7	6.4	2.10	15.9	4.7	1.89	8.2	2.4	1.37
1380	650	41.5	12.2	2.41	32.2	9.4	2.23	22.2	6.5	2.04	16.4	4.8	1.83	8.6	2.5	1.32

HEATING CAPACITY - TPA036S4 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 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	
1225	580	40.7	11.9	2.54	31.5	9.2	2.35	21.6	6.3	2.14	15.9	4.7	1.92	8.1	2.4	1.40
1380	650	41.2	12.1	2.47	32.0	9.4	2.28	22.2	6.5	2.07	16.4	4.8	1.85	8.7	2.5	1.33

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-42B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.46	41.1	12.0
60	16	2.42	39.0	11.4
55	13	2.38	36.8	10.8
50	10	2.34	34.7	10.2
47	8	2.32	33.5	9.8
45	7	2.29	31.7	9.3
40	4	2.21	27.3	8.0
35	2	2.14	22.9	6.7
30	-1	2.12	22.3	6.5
25	-4	2.10	21.7	6.4
20	-7	2.08	21.1	6.2
17	-8	2.07	20.8	6.1
15	-9	2.06	19.9	5.8
10	-12	2.02	17.8	5.2
5	-15	1.89	15.9	4.7
0	-18	1.76	14.0	4.1
-5	-21	1.63	12.0	3.5
-10	-23	1.50	10.1	3.0
-15	-26	1.37	8.2	2.4
-20	-29	1.25	6.2	1.8

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-44/48B-6F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.54	40.7	11.9
60	16	2.50	38.6	11.3
55	13	2.45	36.5	10.7
50	10	2.41	34.5	10.1
47	8	2.38	33.2	9.7
45	7	2.35	31.5	9.2
40	4	2.26	27.2	8.0
35	2	2.17	22.8	6.7
30	-1	2.15	22.2	6.5
25	-4	2.14	21.6	6.3
20	-7	2.12	21.1	6.2
17	-8	2.11	20.7	6.1
15	-9	2.09	19.9	5.8
10	-12	2.05	17.8	5.2
5	-15	1.92	15.9	4.7
0	-18	1.79	13.9	4.1
-5	-21	1.66	12.0	3.5
-10	-23	1.53	10.1	3.0
-15	-26	1.40	8.1	2.4
-20	-29	1.27	6.2	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

COOLING CAPACITY - TPA036S4 with [CX34-44/48C-6F + G61MPV-36C-090] [CX34-44/48C-6F + G71MPP-36C-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)	1010	475	34.0	10.0	2.26	.75	.88	1.00	32.4	9.5	2.55	.76	.90	1.00	30.6	9.0	2.88	.78	.93	1.00	28.6	8.4	3.26	.80	.96	1.00
	1185	560	35.4	10.4	2.28	.78	.92	1.00	33.6	9.8	2.56	.80	.95	1.00	31.6	9.3	2.89	.82	.98	1.00	29.4	8.6	3.27	.85	1.00	1.00
	1395	660	36.4	10.7	2.29	.82	.98	1.00	34.6	10.1	2.58	.84	1.00	1.00	32.8	9.6	2.91	.87	1.00	1.00	31.0	9.1	3.29	.90	1.00	1.00
67°F (19°C)	1010	475	36.2	10.6	2.29	.60	.72	.85	34.4	10.1	2.57	.61	.74	.87	32.4	9.5	2.90	.62	.76	.89	30.4	8.9	3.28	.63	.78	.93
	1185	560	37.2	10.9	2.31	.62	.76	.89	35.4	10.4	2.59	.63	.77	.92	33.4	9.8	2.92	.64	.80	.95	31.2	9.1	3.30	.66	.82	.98
	1395	660	38.5	11.3	2.32	.65	.80	.95	36.4	10.7	2.60	.66	.82	.98	34.4	10.1	2.93	.67	.85	1.00	32.0	9.4	3.31	.69	.88	1.00
71°F (22°C)	1010	475	38.0	11.1	2.32	.46	.58	.70	36.2	10.6	2.60	.46	.59	.71	34.4	10.1	2.93	.47	.60	.73	32.2	9.4	3.31	.47	.62	.76
	1185	560	39.5	11.6	2.33	.47	.60	.73	37.4	11.0	2.62	.47	.62	.75	35.4	10.4	2.95	.48	.63	.77	33.0	9.7	3.33	.49	.65	.80
	1395	660	40.5	11.9	2.35	.49	.63	.78	38.5	11.3	2.64	.49	.65	.80	36.4	10.7	2.96	.50	.66	.83	34.0	10.0	3.34	.51	.68	.86

HEATING CAPACITY - TPA036S4 with [CX34-44/48C-6F + G61MPV-36C-090] [CX34-44/48C-6F + G71MPP-36C-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	
1185	560	40.5	11.9	2.57	31.3	9.2	2.37	21.5	6.3	2.15	15.7	4.6	1.93	8.1	2.4	1.40
1395	660	41.4	12.1	2.47	32.2	9.4	2.27	22.4	6.6	2.05	16.6	4.9	1.83	9.0	2.6	1.31

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CX34-48C-6F + G61MPV-36C-090] [CX34-44/48C-6F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.57	40.5	11.9
60	16	2.53	38.4	11.3
55	13	2.48	36.3	10.6
50	10	2.43	34.3	10.1
47	8	2.40	33.0	9.7
45	7	2.37	31.3	9.2
40	4	2.27	27.0	7.9
35	2	2.18	22.7	6.7
30	-1	2.16	22.1	6.5
25	-4	2.15	21.5	6.3
20	-7	2.13	20.9	6.1
17	-8	2.12	20.5	6.0
15	-9	2.10	19.7	5.8
10	-12	2.06	17.6	5.2
5	-15	1.93	15.7	4.6
0	-18	1.80	13.8	4.0
-5	-21	1.66	11.9	3.5
-10	-23	1.53	10.0	2.9
-15	-26	1.40	8.1	2.4
-20	-29	1.27	6.2	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

COOLING CAPACITY - TPA036S4 with [CR33-30/36B-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	33.8	9.9	2.26	.76	.91	1.00	32.2	9.4	2.54	.78	.93	1.00	30.4	8.9	2.87	.80	.95	1.00	28.4	8.3	3.26	.83	.98	1.00
	1195	565	34.8	10.2	2.27	.80	.95	1.00	33.2	9.7	2.56	.82	.97	1.00	31.2	9.1	2.88	.84	.99	1.00	29.2	8.6	3.27	.87	1.00	1.00
	1405	665	36.0	10.6	2.29	.84	.99	1.00	34.2	10.0	2.57	.86	1.00	1.00	32.4	9.5	2.90	.89	1.00	1.00	30.6	9.0	3.29	.93	1.00	1.00
67°F (19°C)	1040	490	35.8	10.5	2.28	.60	.74	.87	34.0	10.0	2.57	.61	.76	.90	32.2	9.4	2.90	.63	.78	.92	30.0	8.8	3.28	.64	.81	.96
	1195	565	36.8	10.8	2.30	.63	.77	.92	35.0	10.3	2.58	.64	.79	.94	33.0	9.7	2.91	.65	.82	.97	30.8	9.0	3.29	.67	.85	1.00
	1405	665	37.8	11.1	2.31	.65	.82	.97	36.0	10.6	2.59	.67	.84	.99	33.8	9.9	2.92	.69	.87	1.00	31.4	9.2	3.30	.71	.90	1.00
71°F (22°C)	1040	490	37.6	11.0	2.31	.46	.59	.72	36.0	10.6	2.59	.46	.60	.73	34.0	10.0	2.92	.47	.61	.75	31.8	9.3	3.30	.48	.63	.78
	1195	565	38.5	11.3	2.32	.47	.61	.75	36.8	10.8	2.61	.48	.62	.77	34.8	10.2	2.93	.48	.64	.79	32.4	9.5	3.32	.49	.66	.82
	1405	665	39.5	11.6	2.34	.49	.64	.80	37.8	11.1	2.62	.49	.66	.82	35.6	10.4	2.95	.50	.68	.85	33.4	9.8	3.33	.51	.70	.88

COOLING CAPACITY - TPA036S4 with [CR33-30/36B-F + G61MPV-36B-070] [CR33-30/36B-F + G71MPP-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	33.8	9.9	2.26	.76	.90	1.00	32.0	9.4	2.54	.77	.92	1.00	30.2	8.9	2.87	.80	.95	1.00	28.2	8.3	3.26	.82	.98	1.00
	1190	560	34.8	10.2	2.27	.80	.95	1.00	33.2	9.7	2.56	.82	.97	1.00	31.2	9.1	2.88	.84	.99	1.00	29.2	8.6	3.27	.87	1.00	1.00
	1395	660	36.0	10.6	2.29	.84	.99	1.00	34.2	10.0	2.57	.87	1.00	1.00	32.6	9.6	2.90	.89	1.00	1.00	30.6	9.0	3.29	.93	1.00	1.00
67°F (19°C)	1010	475	35.6	10.4	2.28	.60	.73	.86	33.8	9.9	2.57	.61	.75	.89	32.0	9.4	2.89	.62	.77	.91	29.8	8.7	3.28	.64	.80	.95
	1190	560	36.8	10.8	2.30	.63	.78	.92	35.0	10.3	2.58	.64	.79	.94	33.0	9.7	2.91	.65	.82	.97	30.8	9.0	3.29	.67	.85	1.00
	1395	660	37.8	11.1	2.31	.66	.82	.97	36.0	10.6	2.59	.67	.84	.99	34.0	10.0	2.92	.69	.87	1.00	31.4	9.2	3.30	.71	.91	1.00
71°F (22°C)	1010	475	37.4	11.0	2.31	.46	.59	.71	35.6	10.4	2.59	.46	.60	.73	33.8	9.9	2.92	.47	.61	.75	31.6	9.3	3.30	.48	.63	.77
	1190	560	38.5	11.3	2.32	.48	.62	.75	36.8	10.8	2.61	.48	.63	.77	34.8	10.2	2.93	.49	.64	.80	32.6	9.6	3.32	.49	.66	.83
	1395	660	39.5	11.6	2.34	.49	.65	.80	37.8	11.1	2.62	.50	.66	.82	35.8	10.5	2.95	.51	.68	.85	33.4	9.8	3.33	.52	.70	.89

HEATING CAPACITY - TPA036S4 with [CR33-30/36B-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	
1195	565	41.3	12.1	2.37	31.9	9.3	2.21	21.9	6.4	2.04	16.0	4.7	1.83	8.2	2.4	1.33
1405	660	42.1	12.3	2.29	32.6	9.6	2.13	22.6	6.6	1.96	16.7	4.9	1.75	9.0	2.6	1.25

HEATING CAPACITY - TPA036S4 with [CR33-30/36B-F + G61MPV-36B-070] [CR33-30/36B-F + G71MPP-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	
1190	560	41.6	12.2	2.38	32.2	9.4	2.22	22.1	6.5	2.05	16.2	4.7	1.84	8.3	2.4	1.34
1395	660	42.4	12.4	2.30	33.0	9.7	2.13	22.9	6.7	1.96	17.0	5.0	1.76	9.1	2.7	1.25

HEATING PERFORMANCE at 1195 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-30/36B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.37	41.3	12.1
60	16	2.33	39.2	11.5
55	13	2.30	37.1	10.9
50	10	2.26	35.0	10.3
47	8	2.24	33.7	9.9
45	7	2.21	31.9	9.3
40	4	2.14	27.5	8.1
35	2	2.07	23.0	6.7
30	-1	2.06	22.4	6.6
25	-4	2.04	21.9	6.4
20	-7	2.02	21.3	6.2
17	-8	2.01	20.9	6.1
15	-9	2.00	20.1	5.9
10	-12	1.96	17.9	5.2
5	-15	1.83	16.0	4.7
0	-18	1.71	14.0	4.1
-5	-21	1.58	12.1	3.5
-10	-23	1.46	10.2	3.0
-15	-26	1.33	8.2	2.4
-20	-29	1.21	6.3	1.8

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-30/36B-F + G61MPV-36B-070] [CR33-30/36B-F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.38	41.6	12.2
60	16	2.34	39.5	11.6
55	13	2.31	37.4	11.0
50	10	2.27	35.2	10.3
47	8	2.25	34.0	10.0
45	7	2.22	32.2	9.4
40	4	2.15	27.7	8.1
35	2	2.08	23.2	6.8
30	-1	2.07	22.7	6.7
25	-4	2.05	22.1	6.5
20	-7	2.03	21.5	6.3
17	-8	2.02	21.2	6.2
15	-9	2.00	20.3	5.9
10	-12	1.97	18.2	5.3
5	-15	1.84	16.2	4.7
0	-18	1.72	14.2	4.2
-5	-21	1.59	12.3	3.6
-10	-23	1.46	10.3	3.0
-15	-26	1.34	8.3	2.4
-20	-29	1.21	6.4	1.9

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.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA036S4 with [CR33-30/36C-F + G61MPV-36C-090] [CR33-30/36C-F + G71MPP-36C-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)	1010	475	33.8	9.9	2.26	.76	.90	1.00	32.0	9.4	2.54	.77	.92	1.00	30.2	8.9	2.87	.79	.95	1.00	28.2	8.3	3.26	.82	.98	1.00
	1185	560	34.8	10.2	2.27	.79	.94	1.00	33.2	9.7	2.56	.81	.97	1.00	31.2	9.1	2.88	.84	.99	1.00	29.2	8.6	3.27	.87	1.00	1.00
	1395	660	36.0	10.6	2.29	.84	.99	1.00	34.2	10.0	2.57	.86	1.00	1.00	32.4	9.5	2.90	.89	1.00	1.00	30.6	9.0	3.29	.93	1.00	1.00
67°F (19°C)	1010	475	35.6	10.4	2.28	.60	.73	.86	33.8	9.9	2.57	.61	.75	.89	32.0	9.4	2.89	.62	.77	.91	29.8	8.7	3.28	.64	.80	.95
	1185	560	36.8	10.8	2.30	.63	.77	.91	35.0	10.3	2.58	.64	.79	.94	33.0	9.7	2.91	.65	.81	.97	30.6	9.0	3.29	.67	.85	.99
	1395	660	37.8	11.1	2.31	.65	.82	.97	35.8	10.5	2.59	.67	.84	.99	33.8	9.9	2.92	.69	.87	1.00	31.4	9.2	3.30	.71	.90	1.00
71°F (22°C)	1010	475	37.4	11.0	2.31	.46	.59	.71	35.6	10.4	2.59	.46	.60	.73	33.8	9.9	2.92	.47	.61	.75	31.6	9.3	3.30	.47	.63	.77
	1185	560	38.5	11.3	2.32	.47	.61	.75	36.8	10.8	2.61	.48	.62	.77	34.8	10.2	2.93	.48	.64	.79	32.4	9.5	3.32	.49	.66	.82
	1395	660	39.5	11.6	2.34	.49	.64	.80	37.8	11.1	2.62	.49	.66	.82	35.6	10.4	2.95	.50	.68	.85	33.4	9.8	3.33	.51	.70	.88

COOLING CAPACITY - TPA036S4 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	34.0	10.0	2.26	.76	.89	1.00	32.4	9.5	2.55	.77	.91	1.00	30.6	9.0	2.88	.79	.94	1.00	28.6	8.4	3.26	.82	.98	1.00
	1195	565	34.8	10.2	2.27	.79	.93	1.00	33.4	9.8	2.56	.80	.96	1.00	31.4	9.2	2.89	.83	.99	1.00	29.4	8.6	3.27	.86	1.00	1.00
	1405	665	35.8	10.5	2.29	.82	.98	1.00	34.2	10.0	2.57	.85	1.00	1.00	32.6	9.6	2.90	.88	1.00	1.00	30.8	9.0	3.29	.91	1.00	1.00
67°F (19°C)	1040	490	36.0	10.6	2.29	.60	.73	.86	34.4	10.1	2.57	.61	.75	.88	32.6	9.6	2.90	.62	.77	.91	30.4	8.9	3.29	.64	.79	.94
	1195	565	36.8	10.8	2.30	.62	.76	.90	35.2	10.3	2.58	.63	.78	.92	33.4	9.8	2.91	.65	.80	.96	31.2	9.1	3.30	.66	.83	.99
	1405	665	38.0	11.1	2.31	.65	.80	.95	36.2	10.6	2.60	.66	.82	.98	34.0	10.0	2.93	.68	.85	1.00	31.8	9.3	3.30	.70	.89	1.00
71°F (22°C)	1040	490	37.8	11.1	2.31	.46	.59	.71	36.2	10.6	2.60	.46	.60	.73	34.2	10.0	2.93	.46	.61	.74	32.2	9.4	3.31	.47	.63	.77
	1195	565	39.0	11.4	2.33	.46	.61	.74	37.0	10.8	2.61	.47	.62	.76	35.2	10.3	2.94	.48	.63	.78	32.8	9.6	3.32	.48	.65	.81
	1405	665	40.0	11.7	2.34	.49	.64	.78	38.0	11.1	2.63	.49	.65	.80	36.0	10.6	2.96	.50	.67	.83	33.6	9.8	3.33	.51	.69	.86

HEATING CAPACITY - TPA036S4 with [CR33-30/36C-F + G61MPV-36C-090] [CR33-30/36C-F + G71MPP-36C-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	
1185	560	41.4	12.1	2.38	31.9	9.3	2.22	21.9	6.4	2.04	16.0	4.7	1.84	8.2	2.4	1.34
1395	660	42.1	12.3	2.29	32.7	9.6	2.13	22.6	6.6	1.96	16.7	4.9	1.75	8.9	2.6	1.25

HEATING CAPACITY - TPA036S4 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	
1195	565	41.1	12.0	2.43	31.8	9.3	2.25	21.8	6.4	2.05	16.0	4.7	1.84	8.2	2.4	1.34
1405	660	41.9	12.3	2.35	32.5	9.5	2.17	22.5	6.6	1.97	16.7	4.9	1.76	9.0	2.6	1.26

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-30/36C-F + G61MPV-36C-090] [CR33-30/36C-F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.38	41.4	12.1
60	16	2.34	39.3	11.5
55	13	2.30	37.1	10.9
50	10	2.27	35.0	10.3
47	8	2.24	33.7	9.9
45	7	2.22	31.9	9.3
40	4	2.15	27.5	8.1
35	2	2.08	23.0	6.7
30	-1	2.06	22.5	6.6
25	-4	2.04	21.9	6.4
20	-7	2.03	21.3	6.2
17	-8	2.02	20.9	6.1
15	-9	2.00	20.1	5.9
10	-12	1.96	17.9	5.2
5	-15	1.84	16.0	4.7
0	-18	1.71	14.0	4.1
-5	-21	1.59	12.1	3.5
-10	-23	1.46	10.2	3.0
-15	-26	1.34	8.2	2.4
-20	-29	1.21	6.3	1.8

HEATING PERFORMANCE at 1195 cfm (565 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-48B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	41.1	12.0
60	16	2.39	39.0	11.4
55	13	2.35	36.9	10.8
50	10	2.30	34.8	10.2
47	8	2.28	33.5	9.8
45	7	2.25	31.8	9.3
40	4	2.17	27.4	8.0
35	2	2.09	23.0	6.7
30	-1	2.07	22.4	6.6
25	-4	2.05	21.8	6.4
20	-7	2.03	21.2	6.2
17	-8	2.02	20.9	6.1
15	-9	2.01	20.0	5.9
10	-12	1.96	17.9	5.2
5	-15	1.84	16.0	4.7
0	-18	1.71	14.0	4.1
-5	-21	1.59	12.1	3.5
-10	-23	1.46	10.1	3.0
-15	-26	1.34	8.2	2.4
-20	-29	1.21	6.3	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

COOLING CAPACITY - TPA036S4 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 (17°C)	1055	500	34.2	10.0	2.26	.76	.90	1.00	32.6	9.6	2.55	.78	.92	1.00	30.8	9.0	2.88	.80	.95	1.00	28.6	8.4	3.26	.83	.98	1.00
	1235	585	35.2	10.3	2.28	.80	.94	1.00	33.6	9.8	2.56	.81	.97	1.00	31.6	9.3	2.89	.84	1.00	1.00	29.8	8.7	3.27	.87	1.00	1.00
	1420	670	36.0	10.6	2.29	.83	.99	1.00	34.4	10.1	2.57	.86	1.00	1.00	32.8	9.6	2.91	.89	1.00	1.00	31.0	9.1	3.29	.92	1.00	1.00
67°F (19°C)	1055	500	36.0	10.6	2.29	.61	.74	.86	34.4	10.1	2.57	.62	.75	.89	32.6	9.6	2.90	.63	.77	.92	30.6	9.0	3.28	.64	.80	.95
	1235	585	37.2	10.9	2.30	.63	.77	.91	35.4	10.4	2.59	.64	.79	.94	33.6	9.8	2.92	.66	.82	.97	31.4	9.2	3.30	.67	.85	1.00
	1420	670	38.0	11.1	2.32	.66	.81	.96	36.2	10.6	2.60	.67	.83	.99	34.2	10.0	2.93	.69	.86	1.00	32.0	9.4	3.31	.71	.90	1.00
71°F (22°C)	1055	500	38.0	11.1	2.31	.46	.60	.72	36.2	10.6	2.60	.47	.61	.73	34.4	10.1	2.93	.47	.62	.75	32.2	9.4	3.31	.48	.63	.78
	1235	585	39.0	11.4	2.33	.47	.62	.75	37.4	11.0	2.62	.48	.63	.77	35.4	10.4	2.95	.49	.65	.79	33.2	9.7	3.33	.50	.66	.82
	1420	670	40.0	11.7	2.34	.50	.65	.79	38.0	11.1	2.63	.50	.66	.81	36.2	10.6	2.96	.51	.68	.84	33.8	9.9	3.33	.52	.70	.88

COOLING CAPACITY - TPA036S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-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	33.8	9.9	2.26	.75	.88	1.00	32.2	9.4	2.54	.77	.90	1.00	30.4	8.9	2.88	.79	.94	1.00	28.4	8.3	3.26	.81	.97	1.00
	1190	560	34.8	10.2	2.27	.79	.93	1.00	33.4	9.8	2.56	.80	.96	1.00	31.4	9.2	2.89	.83	.99	1.00	29.4	8.6	3.27	.86	1.00	1.00
	1395	660	36.0	10.6	2.29	.83	.98	1.00	34.2	10.0	2.57	.85	1.00	1.00	32.6	9.6	2.90	.88	1.00	1.00	30.8	9.0	3.29	.92	1.00	1.00
67°F (19°C)	1010	475	35.8	10.5	2.28	.60	.73	.85	34.2	10.0	2.57	.61	.74	.87	32.4	9.5	2.90	.62	.76	.90	30.2	8.9	3.28	.63	.79	.93
	1190	560	36.8	10.8	2.30	.63	.76	.90	35.2	10.3	2.58	.64	.78	.92	33.4	9.8	2.91	.65	.80	.96	31.2	9.1	3.30	.67	.83	.99
	1395	660	38.0	11.1	2.31	.65	.80	.95	36.2	10.6	2.60	.67	.83	.98	34.2	10.0	2.93	.68	.86	1.00	32.0	9.4	3.31	.70	.89	1.00
71°F (22°C)	1010	475	37.6	11.0	2.31	.46	.59	.71	35.8	10.5	2.60	.46	.60	.72	34.0	10.0	2.93	.46	.61	.74	32.0	9.4	3.31	.47	.62	.76
	1190	560	39.0	11.4	2.33	.47	.61	.74	37.0	10.8	2.61	.48	.62	.76	35.2	10.3	2.94	.48	.64	.78	32.8	9.6	3.32	.49	.66	.81
	1395	660	40.0	11.7	2.34	.49	.64	.78	38.0	11.1	2.63	.50	.66	.80	36.0	10.6	2.96	.50	.67	.83	33.6	9.8	3.33	.51	.69	.87

HEATING CAPACITY - TPA036S4 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	
1235	580	41.5	12.2	2.41	32.1	9.4	2.23	22.1	6.5	2.05	16.3	4.8	1.84	8.3	2.4	1.34
1420	670	42.5	12.5	2.35	33.1	9.7	2.17	23.1	6.8	1.98	17.2	5.0	1.77	9.3	2.7	1.27

HEATING CAPACITY - TPA036S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-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	
1190	560	41.3	12.1	2.44	31.9	9.3	2.26	21.9	6.4	2.06	16.1	4.7	1.84	8.3	2.4	1.34
1395	660	42.2	12.4	2.36	32.8	9.6	2.17	22.8	6.7	1.98	17.0	5.0	1.76	9.2	2.7	1.26

HEATING PERFORMANCE at 1235 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-48B-F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	41.5	12.2
60	16	2.37	39.4	11.5
55	13	2.33	37.3	10.9
50	10	2.29	35.2	10.3
47	8	2.26	33.9	9.9
45	7	2.23	32.1	9.4
40	4	2.16	27.7	8.1
35	2	2.09	23.3	6.8
30	-1	2.07	22.7	6.7
25	-4	2.05	22.1	6.5
20	-7	2.03	21.5	6.3
17	-8	2.02	21.2	6.2
15	-9	2.00	20.4	6.0
10	-12	1.96	18.2	5.3
5	-15	1.84	16.3	4.8
0	-18	1.71	14.3	4.2
-5	-21	1.59	12.3	3.6
-10	-23	1.46	10.3	3.0
-15	-26	1.34	8.3	2.4
-20	-29	1.21	6.4	1.9

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	41.3	12.1
60	16	2.40	39.2	11.5
55	13	2.36	37.1	10.9
50	10	2.31	35.0	10.3
47	8	2.29	33.7	9.9
45	7	2.26	31.9	9.3
40	4	2.18	27.5	8.1
35	2	2.10	23.1	6.8
30	-1	2.08	22.5	6.6
25	-4	2.06	21.9	6.4
20	-7	2.04	21.4	6.3
17	-8	2.03	21.0	6.2
15	-9	2.01	20.2	5.9
10	-12	1.97	18.1	5.3
5	-15	1.84	16.1	4.7
0	-18	1.72	14.1	4.1
-5	-21	1.59	12.2	3.6
-10	-23	1.47	10.2	3.0
-15	-26	1.34	8.3	2.4
-20	-29	1.22	6.3	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

COOLING CAPACITY - TPA036S4 with [CR33-48C-F + G61MPV-36C-090] [CR33-48C-F + G71MPP-36C-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)	1010	475	33.8	9.9	2.26	.75	.88	1.00	32.2	9.4	2.54	.77	.90	1.00	30.4	8.9	2.87	.78	.94	1.00	28.4	8.3	3.26	.81	.97	1.00
	1185	560	34.8	10.2	2.27	.78	.93	1.00	33.2	9.7	2.56	.80	.95	1.00	31.4	9.2	2.89	.82	.98	1.00	29.4	8.6	3.27	.86	1.00	1.00
	1395	660	35.8	10.5	2.29	.82	.98	1.00	34.2	10.0	2.57	.85	1.00	1.00	32.6	9.6	2.90	.87	1.00	1.00	30.8	9.0	3.29	.91	1.00	1.00
67°F (19°C)	1010	475	35.8	10.5	2.28	.60	.73	.85	34.2	10.0	2.57	.60	.74	.87	32.4	9.5	2.90	.62	.76	.90	30.2	8.9	3.28	.63	.79	.93
	1185	560	36.8	10.8	2.30	.62	.76	.90	35.2	10.3	2.58	.63	.78	.92	33.2	9.7	2.91	.65	.80	.95	31.0	9.1	3.29	.66	.83	.99
	1395	660	37.8	11.1	2.31	.65	.80	.95	36.2	10.6	2.60	.66	.82	.98	34.0	10.0	2.93	.68	.85	1.00	31.8	9.3	3.30	.70	.89	1.00
71°F (22°C)	1010	475	37.6	11.0	2.31	.46	.59	.70	35.8	10.5	2.60	.46	.60	.72	34.0	10.0	2.93	.46	.60	.74	32.0	9.4	3.31	.47	.62	.76
	1185	560	38.5	11.3	2.33	.46	.61	.74	37.0	10.8	2.61	.47	.62	.76	35.0	10.3	2.94	.48	.63	.78	32.8	9.6	3.32	.49	.65	.81
	1395	660	40.0	11.7	2.34	.49	.64	.78	38.0	11.1	2.63	.49	.65	.80	36.0	10.6	2.96	.50	.67	.83	33.6	9.8	3.33	.51	.69	.86

COOLING CAPACITY - TPA036S4 with [CR33-50/60C-F + G61MPV-36C-090] [CR33-50/60C-F + G71MPP-36C-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)	1010	475	34.8	10.2	2.27	.76	.90	1.00	33.0	9.7	2.55	.78	.92	1.00	31.2	9.1	2.88	.80	.95	1.00	29.0	8.5	3.27	.82	.98	1.00
	1185	560	35.8	10.5	2.29	.80	.95	1.00	34.0	10.0	2.57	.82	.97	1.00	32.2	9.4	2.90	.84	1.00	1.00	30.4	8.9	3.28	.88	1.00	1.00
	1395	660	37.0	10.8	2.30	.85	1.00	1.00	35.4	10.4	2.59	.87	1.00	1.00	33.8	9.9	2.92	.90	1.00	1.00	31.8	9.3	3.30	.94	1.00	1.00
67°F (19°C)	1010	475	36.6	10.7	2.30	.61	.74	.87	35.0	10.3	2.58	.61	.75	.89	33.0	9.7	2.91	.63	.77	.92	30.8	9.0	3.29	.64	.80	.95
	1185	560	37.8	11.1	2.31	.63	.78	.92	36.0	10.6	2.60	.64	.79	.94	34.0	10.0	2.93	.66	.82	.97	31.6	9.3	3.30	.67	.85	1.00
	1395	660	39.0	11.4	2.33	.66	.82	.98	37.0	10.8	2.61	.68	.85	1.00	34.8	10.2	2.94	.69	.88	1.00	32.4	9.5	3.31	.72	.92	1.00
71°F (22°C)	1010	475	38.5	11.3	2.32	.46	.59	.71	36.8	10.8	2.61	.46	.60	.73	34.8	10.2	2.94	.47	.61	.75	32.6	9.6	3.32	.47	.63	.78
	1185	560	40.0	11.7	2.34	.47	.62	.75	37.8	11.1	2.63	.48	.63	.77	35.8	10.5	2.96	.48	.65	.80	33.4	9.8	3.33	.49	.66	.83
	1395	660	41.0	12.0	2.36	.49	.65	.80	39.0	11.4	2.64	.50	.67	.82	36.8	10.8	2.97	.50	.68	.86	34.4	10.1	3.35	.52	.71	.89

HEATING CAPACITY - TPA036S4 with [CR33-48C-F + G61MPV-36C-090] [CR33-48C-F + G71MPP-36C-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)		
		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	
1185	560	41.2	12.1	2.44	31.8	9.3	2.26	21.8	6.4	2.06	16.0	4.7	1.84
1395	660	41.9	12.3	2.36	32.6	9.6	2.17	22.6	6.6	1.97	16.7	4.9	1.75

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		5°F (-15°C)			-15°F (-26°C)												
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input										
cfm	L/s	kBtuh	kW		kBtuh	kW											
1185	560	16.0	4.7	1.84	8.2	2.4	1.34										
1395	660	16.7	4.9	1.75	9.0	2.6	1.26										

HEATING CAPACITY - TPA036S4 with [CR33-50/60C-F + G61MPV-36C-090] [CR33-50/60C-F + G71MPP-36C-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)		
		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	
1185	560	41.7	12.2	2.32	32.2	9.4	2.15	22.0	6.4	1.98	16.1	4.7	1.78
1395	660	42.5	12.5	2.23	33.0	9.7	2.07	22.8	6.7	1.89	16.9	5.0	1.70

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		5°F (-15°C)			-15°F (-26°C)												
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input										
cfm	L/s	kBtuh	kW		kBtuh	kW											
1185	560	16.1	4.7	1.78	8.3	2.4	1.30										
1395	660	16.9	5.0	1.70	9.0	2.6	1.21										

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-48C-F + G61MPV-36C-090] [CR33-48C-F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	41.2	12.1
60	16	2.40	39.1	11.5
55	13	2.36	37.0	10.8
50	10	2.31	34.8	10.2
47	8	2.29	33.6	9.8
45	7	2.26	31.8	9.3
40	4	2.18	27.4	8.0
35	2	2.10	23.0	6.7
30	-1	2.08	22.4	6.6
25	-4	2.06	21.8	6.4
20	-7	2.04	21.2	6.2
17	-8	2.03	20.9	6.1
15	-9	2.01	20.0	5.9
10	-12	1.97	17.9	5.2
5	-15	1.84	16.0	4.7
0	-18	1.72	14.0	4.1
-5	-21	1.59	12.1	3.5
-10	-23	1.47	10.2	3.0
-15	-26	1.34	8.2	2.4
-20	-29	1.22	6.3	1.8

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CR33-50/60C-F + G61MPV-36C-090] [CR33-50/60C-F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.32	41.7	12.2
60	16	2.28	39.6	11.6
55	13	2.24	37.4	11.0
50	10	2.20	35.3	10.3
47	8	2.18	34.0	10.0
45	7	2.15	32.2	9.4
40	4	2.08	27.7	8.1
35	2	2.01	23.2	6.8
30	-1	1.99	22.6	6.6
25	-4	1.98	22.0	6.4
20	-7	1.96	21.4	6.3
17	-8	1.95	21.1	6.2
15	-9	1.94	20.2	5.9
10	-12	1.90	18.1	5.3
5	-15	1.78	16.1	4.7
0	-18	1.66	14.2	4.2
-5	-21	1.54	12.2	3.6
-10	-23	1.42	10.2	3.0
-15	-26	1.30	8.3	2.4
-20	-29	1.17	6.3	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

COOLING CAPACITY - TPA036S4 with [CH33-36B-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)	995	470	33.4	9.8	2.25	.75	.89	1.00	31.8	9.3	2.54	.77	.91	1.00	30.0	8.8	2.87	.79	.94	1.00	28.0	8.2	3.25	.81	.97	1.00
	1225	580	34.6	10.1	2.27	.80	.95	1.00	33.0	9.7	2.56	.82	.98	1.00	31.2	9.1	2.88	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
	1380	650	35.4	10.4	2.28	.83	.99	1.00	33.8	9.9	2.56	.85	1.00	1.00	32.2	9.4	2.90	.88	1.00	1.00	30.2	8.9	3.28	.91	1.00	1.00
67°F (19°C)	995	470	35.0	10.3	2.27	.60	.73	.85	33.4	9.8	2.56	.61	.74	.88	31.6	9.3	2.89	.62	.76	.90	29.6	8.7	3.27	.64	.79	.94
	1225	580	36.4	10.7	2.29	.63	.78	.92	34.8	10.2	2.58	.64	.80	.94	32.8	9.6	2.91	.66	.82	.98	30.6	9.0	3.29	.67	.85	1.00
	1380	650	37.2	10.9	2.30	.65	.81	.96	35.4	10.4	2.59	.66	.83	.98	33.4	9.8	2.92	.68	.86	1.00	31.2	9.1	3.30	.70	.89	1.00
71°F (22°C)	995	470	36.4	10.7	2.29	.46	.59	.71	34.8	10.2	2.58	.47	.60	.72	33.0	9.7	2.91	.47	.61	.74	31.0	9.1	3.29	.48	.62	.76
	1225	580	38.0	11.1	2.31	.48	.62	.75	36.2	10.6	2.60	.48	.63	.77	34.4	10.1	2.93	.49	.64	.80	32.2	9.4	3.31	.50	.66	.83
	1380	650	39.0	11.4	2.33	.49	.64	.79	37.2	10.9	2.62	.49	.65	.81	35.2	10.3	2.94	.50	.67	.83	32.8	9.6	3.32	.51	.69	.87

COOLING CAPACITY - TPA036S4 with [CH33-36B-2F + G61MPV-36B-070] [CH33-36B-2F + G71MPP-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	33.4	9.8	2.26	.76	.89	1.00	31.8	9.3	2.54	.77	.91	1.00	30.0	8.8	2.87	.79	.94	1.00	28.0	8.2	3.25	.82	.98	1.00
	1190	560	34.6	10.1	2.27	.79	.94	1.00	33.0	9.7	2.55	.81	.97	1.00	31.2	9.1	2.88	.84	1.00	1.00	29.2	8.6	3.27	.87	1.00	1.00
	1395	660	35.6	10.4	2.28	.84	.99	1.00	34.0	10.0	2.57	.86	1.00	1.00	32.4	9.5	2.90	.89	1.00	1.00	30.4	8.9	3.29	.92	1.00	1.00
67°F (19°C)	1010	475	35.0	10.3	2.28	.61	.73	.86	33.4	9.8	2.56	.61	.75	.88	31.6	9.3	2.89	.63	.77	.91	29.6	8.7	3.27	.64	.79	.95
	1190	560	36.2	10.6	2.29	.63	.77	.91	34.6	10.1	2.58	.64	.79	.94	32.8	9.6	2.91	.65	.81	.97	30.6	9.0	3.29	.67	.84	1.00
	1395	660	37.4	11.0	2.30	.66	.81	.97	35.6	10.4	2.59	.67	.84	.99	33.6	9.8	2.92	.69	.86	1.00	31.4	9.2	3.30	.71	.90	1.00
71°F (22°C)	1010	475	36.6	10.7	2.30	.47	.59	.71	35.0	10.3	2.58	.47	.60	.73	33.0	9.7	2.91	.47	.61	.75	31.0	9.1	3.29	.48	.63	.77
	1190	560	38.0	11.1	2.31	.48	.62	.75	36.2	10.6	2.60	.49	.63	.77	34.2	10.0	2.93	.49	.64	.79	32.2	9.4	3.31	.50	.66	.82
	1395	660	39.0	11.4	2.33	.50	.65	.79	37.4	11.0	2.62	.50	.66	.82	35.2	10.3	2.94	.51	.68	.84	33.0	9.7	3.32	.52	.70	.87

HEATING CAPACITY - TPA036S4 with [CH33-36B-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	
1225	580	41.1	12.0	2.48	31.7	9.3	2.29	21.7	6.4	2.09	15.9	4.7	1.88	8.2	2.4	1.37
1380	650	41.5	12.2	2.41	32.2	9.4	2.22	22.2	6.5	2.03	16.4	4.8	1.81	8.7	2.5	1.30

HEATING CAPACITY - TPA036S4 with [CH33-36B-2F + G61MPV-36B-070] [CH33-36B-2F + G71MPP-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	
1190	560	41.2	12.1	2.51	31.8	9.3	2.31	21.9	6.4	2.11	16.1	4.7	1.89	8.3	2.4	1.38
1395	660	42.0	12.3	2.42	32.7	9.6	2.22	22.7	6.7	2.02	16.9	5.0	1.80	9.1	2.7	1.29

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-36B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.48	41.1	12.0
60	16	2.44	39.0	11.4
55	13	2.39	36.8	10.8
50	10	2.35	34.7	10.2
47	8	2.32	33.5	9.8
45	7	2.29	31.7	9.3
40	4	2.21	27.3	8.0
35	2	2.13	22.9	6.7
30	-1	2.11	22.3	6.5
25	-4	2.09	21.7	6.4
20	-7	2.08	21.2	6.2
17	-8	2.07	20.8	6.1
15	-9	2.05	20.0	5.9
10	-12	2.01	17.9	5.2
5	-15	1.88	15.9	4.7
0	-18	1.75	14.0	4.1
-5	-21	1.63	12.1	3.5
-10	-23	1.50	10.1	3.0
-15	-26	1.37	8.2	2.4
-20	-29	1.24	6.2	1.8

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-36B-2F + G61MPV-36B-070] [CH33-36B-2F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	41.2	12.1
60	16	2.46	39.1	11.5
55	13	2.42	37.0	10.8
50	10	2.37	34.9	10.2
47	8	2.35	33.6	9.8
45	7	2.31	31.8	9.3
40	4	2.23	27.4	8.0
35	2	2.15	23.0	6.7
30	-1	2.13	22.5	6.6
25	-4	2.11	21.9	6.4
20	-7	2.09	21.3	6.2
17	-8	2.08	21.0	6.2
15	-9	2.06	20.1	5.9
10	-12	2.02	18.0	5.3
5	-15	1.89	16.1	4.7
0	-18	1.76	14.1	4.1
-5	-21	1.64	12.2	3.6
-10	-23	1.51	10.2	3.0
-15	-26	1.38	8.3	2.4
-20	-29	1.25	6.3	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

COOLING CAPACITY - TPA036S4 with [CH33-36C-2F + G61MPV-36C-090] [CH33-36C-2F + G71MPP-36C-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)	1010	475	33.8	9.9	2.26	.76	.90	1.00	32.2	9.4	2.54	.78	.92	1.00	30.2	8.9	2.87	.80	.95	1.00	28.2	8.3	3.26	.83	.99	1.00
	1185	560	34.8	10.2	2.27	.80	.95	1.00	33.2	9.7	2.56	.82	.98	1.00	31.2	9.1	2.89	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
	1395	660	36.0	10.6	2.29	.84	1.00	1.00	34.4	10.1	2.57	.87	1.00	1.00	32.6	9.6	2.91	.89	1.00	1.00	30.8	9.0	3.29	.93	1.00	1.00
67°F (19°C)	1010	475	35.4	10.4	2.28	.61	.74	.87	33.8	9.9	2.56	.62	.76	.89	32.0	9.4	2.89	.63	.78	.92	29.8	8.7	3.27	.65	.80	.95
	1185	560	36.6	10.7	2.30	.63	.78	.92	35.0	10.3	2.58	.64	.80	.94	33.0	9.7	2.91	.66	.82	.98	30.6	9.0	3.29	.68	.85	1.00
	1395	660	37.8	11.1	2.31	.66	.82	.98	36.0	10.6	2.59	.67	.84	1.00	34.0	10.0	2.92	.69	.87	1.00	31.6	9.3	3.30	.71	.91	1.00
71°F (22°C)	1010	475	37.0	10.8	2.30	.47	.60	.72	35.2	10.3	2.59	.47	.61	.73	33.4	9.8	2.91	.48	.62	.75	31.2	9.1	3.29	.48	.64	.78
	1185	560	38.0	11.1	2.32	.48	.62	.76	36.4	10.7	2.61	.48	.63	.77	34.4	10.1	2.93	.49	.65	.80	32.2	9.4	3.31	.50	.67	.83
	1395	660	39.5	11.6	2.34	.49	.65	.80	37.6	11.0	2.62	.50	.67	.82	35.6	10.4	2.95	.51	.68	.85	33.2	9.7	3.33	.52	.70	.89

COOLING CAPACITY - TPA036S4 with [CH33-42B-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)	995	470	34.0	10.0	2.26	.74	.88	1.00	32.4	9.5	2.55	.76	.90	1.00	30.4	8.9	2.88	.78	.92	1.00	28.4	8.3	3.26	.80	.96	1.00
	1225	580	35.4	10.4	2.28	.79	.94	1.00	33.6	9.8	2.56	.81	.96	1.00	31.6	9.3	2.89	.83	.99	1.00	29.6	8.7	3.27	.86	1.00	1.00
	1380	650	36.2	10.6	2.29	.82	.98	1.00	34.4	10.1	2.57	.84	1.00	1.00	32.6	9.6	2.90	.87	1.00	1.00	30.6	9.0	3.29	.90	1.00	1.00
67°F (19°C)	995	470	36.0	10.6	2.29	.59	.72	.84	34.2	10.0	2.57	.60	.73	.86	32.4	9.5	2.90	.61	.75	.89	30.2	8.9	3.28	.63	.78	.92
	1225	580	37.4	11.0	2.31	.62	.77	.91	35.6	10.4	2.59	.63	.78	.93	33.6	9.8	2.92	.65	.81	.96	31.4	9.2	3.30	.66	.84	1.00
	1380	650	38.5	11.3	2.32	.64	.80	.95	36.4	10.7	2.60	.65	.82	.97	34.2	10.0	2.93	.67	.84	1.00	31.8	9.3	3.30	.69	.88	1.00
71°F (22°C)	995	470	37.8	11.1	2.31	.46	.58	.69	36.0	10.6	2.60	.46	.58	.71	34.2	10.0	2.93	.46	.60	.73	32.0	9.4	3.31	.47	.61	.75
	1225	580	39.5	11.6	2.33	.47	.61	.74	37.6	11.0	2.62	.48	.62	.76	35.4	10.4	2.95	.48	.63	.78	33.2	9.7	3.33	.49	.65	.81
	1380	650	40.0	11.7	2.35	.48	.63	.77	38.5	11.3	2.63	.49	.64	.79	36.2	10.6	2.96	.49	.66	.82	33.8	9.9	3.34	.50	.68	.85

HEATING CAPACITY - TPA036S4 with [CH33-36C-2F + G61MPV-36C-090] [CH33-36C-2F + G71MPP-36C-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	
1185	560	41.3	12.1	2.41	31.9	9.3	2.24	21.8	6.4	2.06	16.0	4.7	1.85	8.2	2.4	1.34
1395	660	42.0	12.3	2.32	32.6	9.6	2.15	22.6	6.6	1.97	16.7	4.9	1.76	9.0	2.6	1.25

HEATING CAPACITY - TPA036S4 with [CH33-42B-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	
1225	580	41.0	12.0	2.49	31.7	9.3	2.29	21.8	6.4	2.09	15.9	4.7	1.87	8.2	2.4	1.36
1380	650	41.5	12.2	2.41	32.2	9.4	2.21	22.2	6.5	2.01	16.4	4.8	1.79	8.7	2.5	1.28

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-36C-2F + G61MPV-36C-090] [CH33-36C-2F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	41.3	12.1
60	16	2.37	39.2	11.5
55	13	2.33	37.0	10.8
50	10	2.29	34.9	10.2
47	8	2.27	33.6	9.8
45	7	2.24	31.9	9.3
40	4	2.16	27.4	8.0
35	2	2.09	23.0	6.7
30	-1	2.07	22.4	6.6
25	-4	2.06	21.8	6.4
20	-7	2.04	21.2	6.2
17	-8	2.03	20.9	6.1
15	-9	2.01	20.0	5.9
10	-12	1.97	17.9	5.2
5	-15	1.85	16.0	4.7
0	-18	1.72	14.0	4.1
-5	-21	1.59	12.1	3.5
-10	-23	1.47	10.2	3.0
-15	-26	1.34	8.2	2.4
-20	-29	1.22	6.3	1.8

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-42B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	41.0	12.0
60	16	2.44	38.9	11.4
55	13	2.40	36.8	10.8
50	10	2.35	34.7	10.2
47	8	2.32	33.5	9.8
45	7	2.29	31.7	9.3
40	4	2.21	27.3	8.0
35	2	2.13	22.9	6.7
30	-1	2.11	22.3	6.5
25	-4	2.09	21.8	6.4
20	-7	2.07	21.2	6.2
17	-8	2.05	20.8	6.1
15	-9	2.04	20.0	5.9
10	-12	1.99	17.9	5.2
5	-15	1.87	15.9	4.7
0	-18	1.74	14.0	4.1
-5	-21	1.61	12.1	3.5
-10	-23	1.49	10.1	3.0
-15	-26	1.36	8.2	2.4
-20	-29	1.23	6.2	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

COOLING CAPACITY - TPA036S4 with [CH33-42B-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)	1055	500	34.4	10.1	2.27	.76	.89	1.00	32.8	9.6	2.55	.77	.92	1.00	30.8	9.0	2.88	.79	.95	1.00	28.8	8.4	3.26	.82	.98	1.00
	1235	585	35.6	10.4	2.28	.79	.95	1.00	33.8	9.9	2.56	.81	.97	1.00	31.8	9.3	2.89	.84	1.00	1.00	29.8	8.7	3.28	.87	1.00	1.00
	1420	670	36.6	10.7	2.29	.83	.99	1.00	34.8	10.2	2.58	.86	1.00	1.00	33.0	9.7	2.91	.88	1.00	1.00	31.0	9.1	3.30	.92	1.00	1.00
67°F (19°C)	1055	500	36.4	10.7	2.29	.60	.73	.86	34.6	10.1	2.58	.61	.75	.88	32.8	9.6	2.91	.62	.77	.91	30.6	9.0	3.28	.64	.80	.95
	1235	585	37.6	11.0	2.31	.63	.77	.91	35.8	10.5	2.59	.64	.79	.94	33.8	9.9	2.92	.65	.81	.97	31.4	9.2	3.30	.67	.85	1.00
	1420	670	38.5	11.3	2.32	.65	.81	.96	36.6	10.7	2.61	.67	.83	.99	34.4	10.1	2.93	.68	.86	1.00	32.2	9.4	3.31	.71	.90	1.00
71°F (22°C)	1055	500	38.5	11.3	2.32	.46	.59	.71	36.6	10.7	2.60	.47	.60	.72	34.6	10.1	2.94	.47	.61	.75	32.4	9.5	3.31	.48	.63	.77
	1235	585	39.5	11.6	2.34	.48	.61	.75	37.6	11.0	2.62	.48	.63	.77	35.6	10.4	2.95	.49	.64	.79	33.4	9.8	3.33	.49	.66	.82
	1420	670	40.5	11.9	2.35	.49	.64	.79	38.5	11.3	2.64	.50	.66	.81	36.4	10.7	2.97	.50	.67	.84	34.0	10.0	3.34	.51	.69	.87

COOLING CAPACITY - TPA036S4 with [CH33-42B-2F + G61MPV-36B-070] [CH33-42B-2F + G71MPP-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	34.0	10.0	2.26	.75	.88	1.00	32.4	9.5	2.55	.76	.90	1.00	30.6	9.0	2.88	.78	.93	1.00	28.4	8.3	3.26	.81	.97	1.00
	1190	560	35.2	10.3	2.28	.78	.93	1.00	33.4	9.8	2.56	.80	.96	1.00	31.6	9.3	2.89	.83	.99	1.00	29.4	8.6	3.27	.86	1.00	1.00
	1395	660	36.4	10.7	2.29	.83	.99	1.00	34.6	10.1	2.57	.85	1.00	1.00	32.8	9.6	2.91	.88	1.00	1.00	30.8	9.0	3.29	.91	1.00	1.00
67°F (19°C)	1010	475	36.0	10.6	2.29	.59	.72	.85	34.4	10.1	2.57	.60	.74	.87	32.4	9.5	2.90	.61	.76	.90	30.2	8.9	3.28	.63	.78	.93
	1190	560	37.2	10.9	2.30	.62	.76	.90	35.6	10.4	2.59	.63	.78	.92	33.6	9.8	2.92	.64	.80	.96	31.2	9.1	3.30	.66	.83	.99
	1395	660	38.5	11.3	2.32	.65	.81	.95	36.6	10.7	2.60	.66	.82	.98	34.4	10.1	2.93	.68	.85	1.00	32.0	9.4	3.30	.70	.89	1.00
71°F (22°C)	1010	475	38.0	11.1	2.31	.46	.58	.70	36.2	10.6	2.60	.46	.59	.71	34.2	10.0	2.93	.47	.60	.73	32.0	9.4	3.31	.47	.62	.76
	1190	560	39.0	11.4	2.33	.47	.60	.73	37.4	11.0	2.62	.48	.62	.76	35.4	10.4	2.94	.48	.63	.78	33.0	9.7	3.33	.49	.65	.81
	1395	660	40.5	11.9	2.35	.49	.64	.78	38.5	11.3	2.63	.49	.65	.80	36.4	10.7	2.96	.50	.67	.83	34.0	10.0	3.34	.51	.69	.86

HEATING CAPACITY - TPA036S4 with [CH33-42B-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	
1235	580	41.4	12.1	2.49	32.1	9.4	2.29	22.1	6.5	2.09	16.3	4.8	1.87	8.3	2.4	1.36
1420	670	42.3	12.4	2.41	33.0	9.7	2.21	23.0	6.7	2.01	17.2	5.0	1.79	9.2	2.7	1.28

HEATING CAPACITY - TPA036S4 with [CH33-42B-2F + G61MPV-36B-070] [CH33-42B-2F + G71MPP-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	
1190	560	41.1	12.0	2.51	31.8	9.3	2.32	21.9	6.4	2.11	16.1	4.7	1.88	8.3	2.4	1.37
1395	660	42.0	12.3	2.42	32.7	9.6	2.22	22.8	6.7	2.01	17.0	5.0	1.79	9.1	2.7	1.28

HEATING PERFORMANCE at 1235 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-42B-2F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.49	41.4	12.1
60	16	2.44	39.3	11.5
55	13	2.40	37.2	10.9
50	10	2.35	35.1	10.3
47	8	2.33	33.8	9.9
45	7	2.29	32.1	9.4
40	4	2.21	27.6	8.1
35	2	2.13	23.2	6.8
30	-1	2.11	22.7	6.7
25	-4	2.09	22.1	6.5
20	-7	2.07	21.5	6.3
17	-8	2.06	21.2	6.2
15	-9	2.04	20.4	6.0
10	-12	2.00	18.3	5.4
5	-15	1.87	16.3	4.8
0	-18	1.75	14.3	4.2
-5	-21	1.62	12.3	3.6
-10	-23	1.49	10.3	3.0
-15	-26	1.36	8.3	2.4
-20	-29	1.24	6.4	1.9

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-42B-2F + G61MPV-36B-070] [CH33-42B-2F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	41.1	12.0
60	16	2.47	39.0	11.4
55	13	2.42	36.9	10.8
50	10	2.38	34.8	10.2
47	8	2.35	33.6	9.8
45	7	2.32	31.8	9.3
40	4	2.23	27.4	8.0
35	2	2.15	23.1	6.8
30	-1	2.13	22.5	6.6
25	-4	2.11	21.9	6.4
20	-7	2.09	21.4	6.3
17	-8	2.08	21.0	6.2
15	-9	2.06	20.2	5.9
10	-12	2.01	18.1	5.3
5	-15	1.88	16.1	4.7
0	-18	1.76	14.2	4.2
-5	-21	1.63	12.2	3.6
-10	-23	1.50	10.2	3.0
-15	-26	1.37	8.3	2.4
-20	-29	1.25	6.3	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

COOLING CAPACITY - TPA036S4 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)	995	470	34.4	10.1	2.27	.75	.88	1.00	32.6	9.6	2.55	.76	.90	1.00	30.8	9.0	2.88	.78	.93	1.00	28.6	8.4	3.26	.81	.97	1.00
	1225	580	35.8	10.5	2.29	.80	.95	1.00	34.0	10.0	2.57	.81	.97	1.00	32.0	9.4	2.90	.84	1.00	1.00	30.0	8.8	3.28	.87	1.00	1.00
	1380	650	36.6	10.7	2.30	.83	.99	1.00	34.8	10.2	2.58	.85	1.00	1.00	33.0	9.7	2.91	.88	1.00	1.00	31.0	9.1	3.29	.91	1.00	1.00
67°F (19°C)	995	470	36.4	10.7	2.29	.59	.72	.85	34.6	10.1	2.58	.60	.74	.87	32.6	9.6	2.90	.61	.76	.90	30.4	8.9	3.28	.63	.78	.93
	1225	580	38.0	11.1	2.31	.62	.77	.91	36.0	10.6	2.60	.63	.79	.94	34.0	10.0	2.92	.65	.81	.97	31.6	9.3	3.30	.67	.85	1.00
	1380	650	38.5	11.3	2.32	.65	.80	.96	36.8	10.8	2.61	.66	.83	.98	34.6	10.1	2.94	.67	.85	1.00	32.2	9.4	3.31	.69	.89	1.00
71°F (22°C)	995	470	38.0	11.1	2.32	.46	.58	.70	36.4	10.7	2.60	.46	.59	.71	34.4	10.1	2.93	.46	.60	.73	32.2	9.4	3.31	.47	.61	.76
	1225	580	40.0	11.7	2.34	.47	.61	.75	38.0	11.1	2.63	.47	.62	.77	35.8	10.5	2.96	.48	.64	.79	33.6	9.8	3.33	.49	.66	.82
	1380	650	41.0	12.0	2.36	.48	.63	.78	39.0	11.4	2.64	.49	.65	.80	36.6	10.7	2.97	.49	.66	.83	34.0	10.0	3.34	.50	.68	.86

COOLING CAPACITY - TPA036S4 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)	1055	500	34.8	10.2	2.27	.76	.90	1.00	33.0	9.7	2.55	.78	.93	1.00	31.2	9.1	2.88	.80	.96	1.00	29.0	8.5	3.27	.83	.99	1.00
	1235	585	36.0	10.6	2.29	.80	.95	1.00	34.0	10.0	2.57	.82	.98	1.00	32.2	9.4	2.90	.84	1.00	1.00	30.2	8.9	3.28	.88	1.00	1.00
	1420	670	37.0	10.8	2.30	.84	1.00	1.00	35.2	10.3	2.59	.87	1.00	1.00	33.4	9.8	2.92	.89	1.00	1.00	31.4	9.2	3.30	.93	1.00	1.00
67°F (19°C)	1055	500	36.8	10.8	2.30	.60	.74	.87	35.0	10.3	2.58	.61	.75	.89	33.0	9.7	2.91	.63	.77	.92	30.8	9.0	3.29	.64	.80	.96
	1235	585	38.0	11.1	2.31	.63	.78	.92	36.2	10.6	2.60	.64	.80	.95	34.0	10.0	2.93	.66	.82	.98	31.6	9.3	3.30	.68	.85	1.00
	1420	670	39.0	11.4	2.33	.66	.82	.97	37.0	10.8	2.61	.67	.84	1.00	34.8	10.2	2.94	.69	.87	1.00	32.4	9.5	3.31	.71	.91	1.00
71°F (22°C)	1055	500	39.0	11.4	2.33	.46	.59	.71	37.0	10.8	2.61	.47	.60	.73	35.0	10.3	2.94	.47	.61	.75	32.6	9.6	3.32	.48	.63	.78
	1235	585	40.0	11.7	2.34	.48	.62	.76	38.0	11.1	2.63	.48	.63	.78	36.0	10.6	2.96	.49	.64	.80	33.6	9.8	3.33	.50	.66	.83
	1420	670	41.0	12.0	2.36	.49	.65	.80	39.0	11.4	2.65	.50	.66	.82	36.8	10.8	2.97	.51	.68	.85	34.4	10.1	3.35	.52	.70	.88

HEATING CAPACITY - TPA036S4 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	
1225	580	41.4	12.1	2.42	32.0	9.4	2.23	21.9	6.4	2.03	16.1	4.7	1.82	8.2	2.4	1.33
1380	650	41.8	12.3	2.34	32.4	9.5	2.16	22.4	6.6	1.96	16.5	4.8	1.75	8.7	2.5	1.26

HEATING CAPACITY - TPA036S4 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	
1235	580	41.7	12.2	2.42	32.3	9.5	2.23	22.2	6.5	2.04	16.4	4.8	1.83	8.4	2.5	1.33
1420	670	42.6	12.5	2.34	33.2	9.7	2.15	23.1	6.8	1.96	17.2	5.0	1.75	9.2	2.7	1.25

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-44/48B-2F + G60UHV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.42	41.4	12.1
60	16	2.37	39.2	11.5
55	13	2.33	37.1	10.9
50	10	2.29	35.0	10.3
47	8	2.26	33.7	9.9
45	7	2.23	32.0	9.4
40	4	2.15	27.5	8.1
35	2	2.07	23.1	6.8
30	-1	2.05	22.5	6.6
25	-4	2.03	21.9	6.4
20	-7	2.02	21.3	6.2
17	-8	2.01	21.0	6.2
15	-9	1.99	20.1	5.9
10	-12	1.95	18.0	5.3
5	-15	1.82	16.1	4.7
0	-18	1.70	14.1	4.1
-5	-21	1.58	12.2	3.6
-10	-23	1.45	10.2	3.0
-15	-26	1.33	8.2	2.4
-20	-29	1.20	6.3	1.8

HEATING PERFORMANCE at 1235 cfm (580 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-44/48B-2F + G61MPV-36B-045]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.42	41.7	12.2
60	16	2.38	39.6	11.6
55	13	2.33	37.5	11.0
50	10	2.29	35.4	10.4
47	8	2.26	34.1	10.0
45	7	2.23	32.3	9.5
40	4	2.15	27.8	8.1
35	2	2.07	23.4	6.9
30	-1	2.06	22.8	6.7
25	-4	2.04	22.2	6.5
20	-7	2.02	21.7	6.4
17	-8	2.01	21.3	6.2
15	-9	1.99	20.5	6.0
10	-12	1.95	18.4	5.4
5	-15	1.83	16.4	4.8
0	-18	1.70	14.4	4.2
-5	-21	1.58	12.4	3.6
-10	-23	1.45	10.4	3.0
-15	-26	1.33	8.4	2.5
-20	-29	1.21	6.4	1.9

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

COOLING CAPACITY - TPA036S4 with [CH33-44/48B-2F + G61MPV-36B-070] [CH33-44/48B-2F + G71MPP-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	2.27	.75	.89	1.00	32.8	9.6	2.55	.77	.91	1.00	30.8	9.0	2.88	.79	.94	1.00	28.8	8.4	3.26	.81	.97	1.00
	1190	560	35.6	10.4	2.28	.79	.94	1.00	33.8	9.9	2.57	.81	.97	1.00	32.0	9.4	2.89	.83	.99	1.00	30.0	8.8	3.28	.86	1.00	1.00
	1395	660	36.8	10.8	2.30	.83	.99	1.00	35.0	10.3	2.58	.86	1.00	1.00	33.2	9.7	2.91	.89	1.00	1.00	31.2	9.1	3.30	.92	1.00	1.00
67°F (19°C)	1010	475	36.4	10.7	2.29	.60	.73	.85	34.6	10.1	2.58	.61	.74	.88	32.8	9.6	2.91	.62	.76	.90	30.6	9.0	3.28	.63	.79	.94
	1190	560	37.8	11.1	2.31	.62	.77	.91	35.8	10.5	2.59	.63	.79	.93	33.8	9.9	2.92	.65	.81	.96	31.6	9.3	3.30	.67	.84	1.00
	1395	660	39.0	11.4	2.33	.65	.81	.97	36.8	10.8	2.61	.67	.83	.99	34.8	10.2	2.94	.68	.86	1.00	32.2	9.4	3.31	.71	.90	1.00
71°F (22°C)	1010	475	38.5	11.3	2.32	.46	.58	.70	36.6	10.7	2.61	.46	.59	.72	34.6	10.1	2.93	.47	.60	.74	32.4	9.5	3.31	.47	.62	.76
	1190	560	40.0	11.7	2.34	.47	.61	.74	37.8	11.1	2.62	.48	.62	.76	35.8	10.5	2.95	.48	.64	.79	33.4	9.8	3.33	.49	.66	.82
	1395	660	41.0	12.0	2.36	.49	.64	.79	39.0	11.4	2.64	.49	.65	.81	36.8	10.8	2.97	.50	.67	.84	34.2	10.0	3.34	.51	.69	.87

COOLING CAPACITY - TPA036S4 with [CH33-48C-2F + G61MPV-36C-090] [CH33-48C-2F + G71MPP-36C-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)	1010	475	34.6	10.1	2.27	.75	.89	1.00	32.8	9.6	2.55	.77	.91	1.00	31.0	9.1	2.88	.79	.94	1.00	29.0	8.5	3.26	.81	.97	1.00
	1185	560	35.6	10.4	2.28	.79	.93	1.00	34.0	10.0	2.57	.80	.96	1.00	32.0	9.4	2.90	.83	.99	1.00	29.8	8.7	3.28	.86	1.00	1.00
	1395	660	36.8	10.8	2.30	.83	.99	1.00	35.0	10.3	2.58	.85	1.00	1.00	33.2	9.7	2.91	.88	1.00	1.00	31.4	9.2	3.30	.91	1.00	1.00
67°F (19°C)	1010	475	36.6	10.7	2.29	.60	.73	.85	34.8	10.2	2.58	.61	.74	.87	33.0	9.7	2.91	.62	.76	.90	30.6	9.0	3.29	.63	.79	.94
	1185	560	37.8	11.1	2.31	.62	.76	.90	35.8	10.5	2.60	.63	.78	.93	33.8	9.9	2.92	.65	.80	.96	31.6	9.3	3.30	.66	.83	.99
	1395	660	39.0	11.4	2.33	.65	.81	.96	37.0	10.8	2.61	.66	.83	.99	34.8	10.2	2.94	.68	.86	1.00	32.4	9.5	3.31	.70	.89	1.00
71°F (22°C)	1010	475	38.5	11.3	2.32	.46	.58	.70	36.8	10.8	2.61	.47	.59	.72	34.8	10.2	2.94	.47	.61	.74	32.4	9.5	3.32	.48	.62	.76
	1185	560	40.0	11.7	2.34	.47	.61	.74	37.8	11.1	2.62	.48	.62	.76	35.8	10.5	2.95	.48	.63	.78	33.4	9.8	3.33	.49	.65	.81
	1395	660	41.0	12.0	2.36	.49	.64	.79	39.0	11.4	2.64	.49	.65	.81	36.8	10.8	2.97	.50	.67	.83	34.2	10.0	3.35	.51	.69	.87

HEATING CAPACITY - TPA036S4 with [CH33-44/48B-2F + G61MPV-36B-070] [CH33-44/48B-2F + G71MPP-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	
1190	560	41.4	12.1	2.45	32.1	9.4	2.25	22.1	6.5	2.05	16.2	4.7	1.84	8.3	2.4	1.34
1395	660	42.3	12.4	2.35	32.9	9.6	2.16	22.9	6.7	1.96	17.0	5.0	1.74	9.1	2.7	1.24

HEATING CAPACITY - TPA036S4 with [CH33-48C-2F + G61MPV-36C-090] [CH33-48C-2F + G71MPP-36C-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	
1185	560	41.0	12.0	2.48	31.7	9.3	2.30	21.7	6.4	2.10	15.9	4.7	1.88	8.2	2.4	1.37
1395	660	41.8	12.3	2.39	32.5	9.5	2.20	22.5	6.6	2.00	16.7	4.9	1.79	9.0	2.6	1.28

HEATING PERFORMANCE at 1190 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-44/48B-2F + G61MPV-36B-070] [CH33-44/48B-2F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.45	41.4	12.1
60	16	2.40	39.3	11.5
55	13	2.36	37.2	10.9
50	10	2.31	35.1	10.3
47	8	2.29	33.8	9.9
45	7	2.25	32.1	9.4
40	4	2.17	27.6	8.1
35	2	2.09	23.2	6.8
30	-1	2.07	22.6	6.6
25	-4	2.05	22.1	6.5
20	-7	2.03	21.5	6.3
17	-8	2.02	21.2	6.2
15	-9	2.00	20.3	5.9
10	-12	1.96	18.2	5.3
5	-15	1.84	16.2	4.7
0	-18	1.71	14.2	4.2
-5	-21	1.59	12.3	3.6
-10	-23	1.46	10.3	3.0
-15	-26	1.34	8.3	2.4
-20	-29	1.21	6.3	1.8

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S4 with [CH33-48C-2F + G61MPV-36C-090] [CH33-48C-2F + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.48	41.0	12.0
60	16	2.44	38.9	11.4
55	13	2.40	36.8	10.8
50	10	2.36	34.7	10.2
47	8	2.33	33.4	9.8
45	7	2.30	31.7	9.3
40	4	2.21	27.3	8.0
35	2	2.13	22.9	6.7
30	-1	2.11	22.3	6.5
25	-4	2.10	21.7	6.4
20	-7	2.08	21.1	6.2
17	-8	2.07	20.8	6.1
15	-9	2.05	19.9	5.8
10	-12	2.01	17.8	5.2
5	-15	1.88	15.9	4.7
0	-18	1.75	14.0	4.1
-5	-21	1.63	12.0	3.5
-10	-23	1.50	10.1	3.0
-15	-26	1.37	8.2	2.4
-20	-29	1.24	6.2	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

COOLING CAPACITY - TPA042S4 with [CB29M-46]

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)	1200	565	41.5	12.2	2.51	.76	.90	1.00	39.0	11.4	2.83	.77	.92	1.00	36.8	10.8	3.22	.79	.95	1.00	34.2	10.0	3.67	.82	.98	1.00
	1400	660	42.5	12.5	2.52	.79	.94	1.00	40.5	11.9	2.85	.81	.97	1.00	38.0	11.1	3.24	.83	.99	1.00	35.4	10.4	3.70	.87	1.00	1.00
	1600	755	43.5	12.7	2.54	.82	.98	1.00	41.5	12.2	2.87	.85	1.00	1.00	39.0	11.4	3.26	.87	1.00	1.00	36.6	10.7	3.73	.91	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.54	.59	.73	.86	41.5	12.2	2.87	.60	.75	.89	39.0	11.4	3.26	.62	.77	.92	36.4	10.7	3.72	.63	.80	.95
	1400	660	45.0	13.2	2.57	.61	.77	.91	42.5	12.5	2.90	.63	.79	.94	40.0	11.7	3.29	.64	.81	.97	37.4	11.0	3.75	.66	.84	1.00
	1600	755	46.0	13.5	2.58	.64	.80	.96	43.5	12.7	2.92	.65	.82	.98	41.0	12.0	3.31	.67	.85	1.00	38.0	11.1	3.77	.69	.89	1.00
71°F (22°C)	1200	565	46.0	13.5	2.58	.45	.58	.71	44.0	12.9	2.92	.45	.59	.72	41.0	12.0	3.31	.46	.60	.74	38.5	11.3	3.78	.46	.62	.77
	1400	660	47.5	13.9	2.61	.46	.60	.74	45.0	13.2	2.95	.46	.61	.76	42.5	12.5	3.34	.47	.63	.79	39.5	11.6	3.81	.48	.65	.82
	1600	755	48.5	14.2	2.63	.47	.62	.78	46.0	13.5	2.97	.47	.64	.80	43.5	12.7	3.37	.48	.66	.83	40.5	11.9	3.84	.49	.68	.86

COOLING CAPACITY - TPA042S4 with [CB29M-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)	1200	565	41.5	12.2	2.51	.76	.90	1.00	39.0	11.4	2.83	.77	.92	1.00	36.8	10.8	3.22	.79	.95	1.00	34.2	10.0	3.67	.82	.98	1.00
	1400	660	42.5	12.5	2.52	.79	.94	1.00	40.5	11.9	2.85	.81	.97	1.00	38.0	11.1	3.24	.83	.99	1.00	35.4	10.4	3.70	.87	1.00	1.00
	1600	755	43.5	12.7	2.54	.82	.98	1.00	41.5	12.2	2.87	.85	1.00	1.00	39.0	11.4	3.26	.87	1.00	1.00	36.6	10.7	3.73	.91	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.54	.59	.73	.86	41.5	12.2	2.87	.60	.75	.89	39.0	11.4	3.26	.62	.77	.92	36.4	10.7	3.72	.63	.80	.95
	1400	660	45.0	13.2	2.57	.61	.77	.91	42.5	12.5	2.90	.63	.79	.94	40.0	11.7	3.29	.64	.81	.97	37.4	11.0	3.75	.66	.84	1.00
	1600	755	46.0	13.5	2.58	.64	.80	.96	43.5	12.7	2.92	.65	.82	.98	41.0	12.0	3.31	.67	.85	1.00	38.0	11.1	3.77	.69	.89	1.00
71°F (22°C)	1200	565	46.0	13.5	2.58	.45	.58	.71	44.0	12.9	2.92	.45	.59	.72	41.0	12.0	3.31	.46	.60	.74	38.5	11.3	3.78	.46	.62	.77
	1400	660	47.5	13.9	2.61	.46	.60	.74	45.0	13.2	2.95	.46	.61	.76	42.5	12.5	3.34	.47	.63	.79	39.5	11.6	3.81	.48	.65	.82
	1600	755	48.5	14.2	2.63	.47	.62	.78	46.0	13.5	2.97	.47	.64	.80	43.5	12.7	3.37	.48	.66	.83	40.5	11.9	3.84	.49	.68	.86

COOLING CAPACITY - TPA042S4 with [CB29M-46]

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	
1200	565	50.2	14.7	3.13	39.2	11.5	2.89	27.6	8.1	2.64	19.3	5.7	2.36	9.6	2.8	1.76
1400	660	50.9	14.9	2.99	39.8	11.7	2.76	28.3	8.3	2.51	20.0	5.9	2.22	10.3	3.0	1.62
1600	755	51.7	15.2	2.90	40.6	11.9	2.66	29.1	8.5	2.42	20.8	6.1	2.13	11.0	3.2	1.53

COOLING CAPACITY - TPA042S4 with [CB29M-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	
1415	670	50.9	14.9	3.07	39.9	11.7	2.82	28.5	8.4	2.56	20.2	5.9	2.27	10.3	3.0	1.66
1605	760	51.7	15.2	2.98	40.7	11.9	2.73	29.2	8.6	2.48	20.9	6.1	2.18	11.1	3.3	1.57

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CB29M-046]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.99	50.9	14.9
60	16	2.94	48.3	14.2
55	13	2.88	45.7	13.4
50	10	2.82	43.2	12.7
47	8	2.79	41.6	12.2
45	7	2.76	39.8	11.7
40	4	2.67	35.5	10.4
35	2	2.58	31.1	9.1
30	-1	2.54	29.7	8.7
25	-4	2.51	28.3	8.3
20	-7	2.47	26.9	7.9
17	-8	2.45	26.1	7.6
15	-9	2.43	25.0	7.3
10	-12	2.37	22.4	6.6
5	-15	2.22	20.0	5.9
0	-18	2.07	17.6	5.2
-5	-21	1.92	15.1	4.4
-10	-23	1.77	12.7	3.7
-15	-26	1.62	10.3	3.0
-20	-29	1.47	7.8	2.3

HEATING PERFORMANCE at 1415 cfm (670 L/s) Indoor Coil Air Volume TPA042S4 with [CB29M-051]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.07	50.9	14.9
60	16	3.01	48.3	14.2
55	13	2.95	45.8	13.4
50	10	2.89	43.2	12.7
47	8	2.86	41.7	12.2
45	7	2.82	39.9	11.7
40	4	2.73	35.6	10.4
35	2	2.64	31.2	9.1
30	-1	2.60	29.9	8.8
25	-4	2.56	28.5	8.4
20	-7	2.53	27.1	7.9
17	-8	2.50	26.3	7.7
15	-9	2.48	25.2	7.4
10	-12	2.42	22.7	6.7
5	-15	2.27	20.2	5.9
0	-18	2.11	17.7	5.2
-5	-21	1.96	15.3	4.5
-10	-23	1.81	12.8	3.8
-15	-26	1.66	10.3	3.0
-20	-29	1.50	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

COOLING CAPACITY - TPA042S4 with [CBX26UH-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)	1240	585	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.93	1.00	37.0	10.8	3.22	.80	.96	1.00	34.6	10.1	3.68	.83	.99	1.00
	1400	660	42.5	12.5	2.53	.79	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.0	11.1	3.24	.83	1.00	1.00	35.6	10.4	3.71	.87	1.00	1.00
	1590	750	44.0	12.9	2.54	.82	.98	1.00	41.5	12.2	2.88	.84	1.00	1.00	39.5	11.6	3.27	.87	1.00	1.00	37.0	10.8	3.74	.91	1.00	1.00
67°F (19°C)	1240	585	44.5	13.0	2.55	.60	.74	.87	42.0	12.3	2.89	.61	.75	.89	39.5	11.6	3.28	.62	.78	.92	37.0	10.8	3.74	.64	.80	.96
	1400	660	45.5	13.3	2.57	.62	.76	.91	43.0	12.6	2.91	.63	.78	.94	40.5	11.9	3.30	.64	.81	.97	37.6	11.0	3.76	.66	.84	1.00
	1590	750	46.5	13.6	2.59	.64	.80	.95	44.0	12.9	2.93	.65	.82	.98	41.5	12.2	3.32	.67	.85	1.00	38.5	11.3	3.78	.69	.88	1.00
71°F (22°C)	1240	585	47.0	13.8	2.60	.45	.59	.71	44.5	13.0	2.94	.46	.60	.73	42.0	12.3	3.33	.46	.61	.75	39.0	11.4	3.80	.47	.63	.78
	1400	660	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.62	.76	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.82
	1590	750	49.5	14.5	2.65	.47	.62	.77	46.5	13.6	2.99	.47	.64	.80	44.0	12.9	3.38	.48	.66	.83	41.0	12.0	3.85	.49	.68	.86

COOLING CAPACITY - TPA042S4 with [CBX26UH-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)	1245	590	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.93	1.00	37.2	10.9	3.22	.80	.96	1.00	34.6	10.1	3.68	.83	.99	1.00
	1400	660	42.5	12.5	2.53	.79	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.0	11.1	3.24	.83	1.00	1.00	35.6	10.4	3.71	.87	1.00	1.00
	1570	740	43.5	12.7	2.54	.82	.98	1.00	41.5	12.2	2.88	.84	1.00	1.00	39.5	11.6	3.27	.87	1.00	1.00	37.0	10.8	3.74	.90	1.00	1.00
67°F (19°C)	1245	590	44.5	13.0	2.56	.60	.74	.87	42.0	12.3	2.89	.61	.75	.89	39.5	11.6	3.28	.63	.78	.93	37.0	10.8	3.74	.64	.81	.96
	1400	660	45.5	13.3	2.57	.62	.76	.91	43.0	12.6	2.91	.63	.78	.94	40.5	11.9	3.30	.64	.81	.97	37.6	11.0	3.76	.66	.84	1.00
	1570	740	46.5	13.6	2.59	.63	.79	.95	44.0	12.9	2.92	.65	.82	.98	41.0	12.0	3.31	.66	.84	1.00	38.5	11.3	3.78	.69	.88	1.00
71°F (22°C)	1245	590	47.0	13.8	2.60	.45	.59	.71	44.5	13.0	2.94	.45	.60	.73	42.0	12.3	3.34	.46	.61	.75	39.0	11.4	3.80	.47	.63	.78
	1400	660	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.62	.76	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.82
	1570	740	49.0	14.4	2.64	.47	.62	.77	46.5	13.6	2.98	.47	.64	.79	44.0	12.9	3.38	.48	.65	.82	40.5	11.9	3.85	.49	.68	.86

HEATING CAPACITY - TPA042S4 with [CBX26UH-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	
1240	585	50.8	14.9	2.98	39.5	11.6	2.77	27.6	8.1	2.54	19.2	5.6	2.28	9.7	2.8	1.68
1400	660	51.2	15.0	2.89	39.8	11.7	2.67	27.9	8.2	2.45	19.6	5.7	2.18	10.1	3.0	1.59
1590	750	51.8	15.2	2.80	40.4	11.8	2.58	28.6	8.4	2.36	20.2	5.9	2.09	10.7	3.1	1.50

HEATING CAPACITY - TPA042S4 with [CBX26UH-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	
1245	590	50.7	14.9	2.98	39.4	11.5	2.76	27.5	8.1	2.54	19.1	5.6	2.27	9.6	2.8	1.68
1400	660	51.2	15.0	2.89	39.8	11.7	2.67	28.0	8.2	2.45	19.6	5.7	2.18	10.1	3.0	1.59
1570	740	51.7	15.2	2.81	40.3	11.8	2.59	28.5	8.4	2.36	20.1	5.9	2.10	10.6	3.1	1.51

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX26UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.89	51.2	15.0
60	16	2.84	48.5	14.2
55	13	2.79	45.8	13.4
50	10	2.73	43.2	12.7
47	8	2.70	41.6	12.2
45	7	2.67	39.8	11.7
40	4	2.59	35.3	10.3
35	2	2.51	30.8	9.0
30	-1	2.48	29.4	8.6
25	-4	2.45	27.9	8.2
20	-7	2.42	26.5	7.8
17	-8	2.40	25.6	7.5
15	-9	2.38	24.6	7.2
10	-12	2.33	21.9	6.4
5	-15	2.18	19.6	5.7
0	-18	2.03	17.2	5.0
-5	-21	1.88	14.8	4.3
-10	-23	1.74	12.4	3.6
-15	-26	1.59	10.1	3.0
-20	-29	1.44	7.7	2.3

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX26UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.89	51.2	15.0
60	16	2.84	48.6	14.2
55	13	2.79	45.9	13.5
50	10	2.73	43.2	12.7
47	8	2.70	41.6	12.2
45	7	2.67	39.8	11.7
40	4	2.59	35.4	10.4
35	2	2.51	30.9	9.1
30	-1	2.48	29.4	8.6
25	-4	2.45	28.0	8.2
20	-7	2.42	26.5	7.8
17	-8	2.40	25.7	7.5
15	-9	2.38	24.6	7.2
10	-12	2.33	22.0	6.4
5	-15	2.18	19.6	5.7
0	-18	2.03	17.2	5.0
-5	-21	1.88	14.8	4.3
-10	-23	1.74	12.5	3.7
-15	-26	1.59	10.1	3.0
-20	-29	1.44	7.7	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

COOLING CAPACITY - TPA042S4 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 (17°C)	1200	565	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.93	1.00	37.6	11.0	3.23	.80	.97	1.00	34.8	10.2	3.69	.83	1.00	1.00
	1400	660	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
	1400	660	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
67°F (19°C)	1200	565	44.5	13.0	2.56	.60	.74	.87	42.5	12.5	2.89	.61	.75	.90	40.0	11.7	3.28	.62	.78	.93	37.2	10.9	3.74	.64	.81	.97
	1400	660	46.0	13.5	2.58	.62	.78	.93	43.5	12.7	2.92	.63	.80	.96	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.86	1.00
	1400	660	46.0	13.5	2.58	.62	.78	.93	43.5	12.7	2.92	.63	.80	.96	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.86	1.00
71°F (22°C)	1200	565	47.0	13.8	2.60	.45	.58	.71	44.5	13.0	2.94	.45	.59	.73	42.0	12.3	3.34	.46	.61	.75	39.5	11.6	3.80	.46	.62	.78
	1400	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.5	12.7	3.36	.47	.64	.80	40.5	11.9	3.84	.48	.66	.83
	1400	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.5	12.7	3.36	.47	.64	.80	40.5	11.9	3.84	.48	.66	.83

COOLING CAPACITY - TPA042S4 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 (17°C)	1120	530	41.5	12.2	2.51	.75	.89	1.00	39.5	11.6	2.84	.76	.91	1.00	37.0	10.8	3.22	.78	.94	1.00	34.4	10.1	3.67	.81	.98	1.00
	1400	660	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
67°F (19°C)	1120	530	44.0	12.9	2.55	.59	.72	.85	42.0	12.3	2.88	.60	.74	.88	39.5	11.6	3.27	.61	.76	.90	36.6	10.7	3.73	.63	.79	.94
	1400	660	46.0	13.5	2.58	.62	.78	.93	43.5	12.7	2.92	.63	.80	.96	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.86	1.00
71°F (22°C)	1120	530	46.5	13.6	2.59	.44	.57	.70	44.0	12.9	2.92	.45	.58	.71	41.5	12.2	3.32	.45	.60	.73	38.5	11.3	3.79	.46	.61	.76
	1400	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.5	12.7	3.36	.47	.64	.80	40.5	11.9	3.84	.48	.66	.83

COOLING CAPACITY - TPA042S4 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	
1200	565	49.7	14.6	3.05	38.5	11.3	2.82	26.9	7.9	2.59	18.6	5.5	2.32	9.2	2.7	1.73
1400	660	50.5	14.8	2.92	39.3	11.5	2.69	27.7	8.1	2.46	19.4	5.7	2.19	10.0	2.9	1.60

COOLING CAPACITY - TPA042S4 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	
1120	530	49.4	14.5	3.12	38.2	11.2	2.90	26.6	7.8	2.66	18.3	5.4	2.39	8.9	2.6	1.80
1400	660	50.5	14.8	2.92	39.3	11.5	2.69	27.7	8.1	2.46	19.4	5.7	2.19	10.0	2.9	1.60

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX27UH-042] [CBX40UHV-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.92	50.5	14.8
60	16	2.86	47.8	14.0
55	13	2.81	45.2	13.2
50	10	2.76	42.6	12.5
47	8	2.73	41.1	12.0
45	7	2.69	39.3	11.5
40	4	2.61	34.9	10.2
35	2	2.52	30.5	8.9
30	-1	2.49	29.1	8.5
25	-4	2.46	27.7	8.1
20	-7	2.43	26.2	7.7
17	-8	2.41	25.4	7.4
15	-9	2.39	24.3	7.1
10	-12	2.34	21.7	6.4
5	-15	2.19	19.4	5.7
0	-18	2.04	17.0	5.0
-5	-21	1.89	14.7	4.3
-10	-23	1.74	12.3	3.6
-15	-26	1.60	10.0	2.9
-20	-29	1.45	7.6	2.2

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.92	50.5	14.8
60	16	2.86	47.8	14.0
55	13	2.81	45.2	13.2
50	10	2.76	42.6	12.5
47	8	2.73	41.1	12.0
45	7	2.69	39.3	11.5
40	4	2.61	34.9	10.2
35	2	2.52	30.5	8.9
30	-1	2.49	29.1	8.5
25	-4	2.46	27.7	8.1
20	-7	2.43	26.2	7.7
17	-8	2.41	25.4	7.4
15	-9	2.39	24.3	7.1
10	-12	2.34	21.7	6.4
5	-15	2.19	19.4	5.7
0	-18	2.04	17.0	5.0
-5	-21	1.89	14.7	4.3
-10	-23	1.74	12.3	3.6
-15	-26	1.60	10.0	2.9
-20	-29	1.45	7.6	2.2

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

COOLING CAPACITY - TPA042S4 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)	1050	495	40.0	11.7	2.49	.73	.85	.97	38.0	11.1	2.82	.74	.88	1.00	35.8	10.5	3.20	.76	.90	1.00	33.4	9.8	3.66	.79	.94	1.00
	1335	630	42.5	12.5	2.52	.78	.92	1.00	40.0	11.7	2.85	.80	.95	1.00	37.6	11.0	3.23	.82	.98	1.00	35.2	10.3	3.70	.85	1.00	1.00
	1450	685	43.0	12.6	2.53	.79	.95	1.00	40.5	11.9	2.86	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.0	10.6	3.72	.88	1.00	1.00
67°F (19°C)	1050	495	43.0	12.6	2.53	.58	.70	.82	40.5	11.9	2.86	.59	.72	.84	38.5	11.3	3.25	.60	.74	.87	35.6	10.4	3.71	.61	.76	.90
	1335	630	45.0	13.2	2.57	.61	.75	.89	42.5	12.5	2.90	.62	.77	.92	40.0	11.7	3.29	.63	.80	.95	37.4	11.0	3.75	.65	.83	.99
	1450	685	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.91	.63	.79	.95	40.5	11.9	3.30	.65	.82	.98	37.8	11.1	3.76	.67	.85	1.00
71°F (22°C)	1050	495	45.5	13.3	2.57	.44	.57	.68	43.0	12.6	2.91	.44	.57	.69	40.5	11.9	3.30	.45	.59	.71	38.0	11.1	3.77	.46	.60	.74
	1335	630	48.0	14.1	2.61	.46	.60	.73	45.5	13.3	2.95	.46	.61	.75	42.5	12.5	3.35	.46	.62	.77	39.5	11.6	3.81	.47	.64	.80
	1450	685	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.37	.47	.64	.80	40.5	11.9	3.83	.48	.66	.83

COOLING CAPACITY - TPA042S4 with [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)	1250	590	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.93	1.00	37.2	10.9	3.22	.80	.96	1.00	34.6	10.1	3.68	.83	.99	1.00
	1400	660	42.5	12.5	2.53	.79	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.0	11.1	3.24	.83	1.00	1.00	35.6	10.4	3.71	.87	1.00	1.00
	1550	730	43.5	12.7	2.54	.81	.97	1.00	41.5	12.2	2.87	.84	1.00	1.00	39.0	11.4	3.26	.86	1.00	1.00	36.8	10.8	3.74	.90	1.00	1.00
67°F (19°C)	1250	590	44.5	13.0	2.56	.60	.74	.87	42.0	12.3	2.89	.61	.76	.90	39.5	11.6	3.28	.62	.78	.93	37.0	10.8	3.74	.64	.81	.96
	1400	660	45.5	13.3	2.57	.62	.76	.91	43.0	12.6	2.91	.63	.78	.94	40.5	11.9	3.30	.64	.81	.97	37.6	11.0	3.76	.66	.84	1.00
	1550	730	46.5	13.6	2.59	.63	.79	.94	44.0	12.9	2.92	.65	.81	.97	41.0	12.0	3.31	.66	.84	1.00	38.0	11.1	3.77	.68	.88	1.00
71°F (22°C)	1250	590	47.0	13.8	2.60	.45	.59	.71	44.5	13.0	2.94	.46	.60	.73	42.0	12.3	3.34	.46	.61	.75	39.0	11.4	3.80	.47	.63	.78
	1400	660	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.62	.76	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.82
	1550	730	49.0	14.4	2.64	.47	.62	.77	46.5	13.6	2.98	.47	.63	.79	43.5	12.7	3.38	.48	.65	.82	40.5	11.9	3.84	.49	.67	.85

HEATING CAPACITY - TPA042S4 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	
1050	495	49.9	14.6	3.15	38.5	11.3	2.93	26.7	7.8	2.69	18.4	5.4	2.41	8.9	2.6	1.82
1335	630	50.9	14.9	2.93	39.6	11.6	2.70	27.8	8.1	2.47	19.5	5.7	2.19	10.0	2.9	1.60
1450	685	51.4	15.1	2.87	40.1	11.8	2.64	28.2	8.3	2.40	19.9	5.8	2.13	10.5	3.1	1.53

HEATING CAPACITY - TPA042S4 with [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 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	
1250	590	50.7	14.9	2.98	39.4	11.5	2.76	27.5	8.1	2.54	19.1	5.6	2.27	9.5	2.8	1.68
1400	660	51.3	15.0	2.89	39.9	11.7	2.67	28.1	8.2	2.45	19.7	5.8	2.18	10.1	3.0	1.59
1550	730	51.8	15.2	2.81	40.4	11.8	2.60	28.5	8.4	2.37	20.1	5.9	2.11	10.6	3.1	1.51

HEATING PERFORMANCE at 1335 cfm (630 L/s) Indoor Coil Air Volume TPA042S4 with [CBX32M-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.93	50.9	14.9
60	16	2.88	48.3	14.2
55	13	2.83	45.6	13.4
50	10	2.77	43.0	12.6
47	8	2.74	41.4	12.1
45	7	2.70	39.6	11.6
40	4	2.62	35.1	10.3
35	2	2.53	30.7	9.0
30	-1	2.50	29.2	8.6
25	-4	2.47	27.8	8.1
20	-7	2.44	26.4	7.7
17	-8	2.42	25.5	7.5
15	-9	2.40	24.5	7.2
10	-12	2.34	21.8	6.4
5	-15	2.19	19.5	5.7
0	-18	2.05	17.1	5.0
-5	-21	1.90	14.7	4.3
-10	-23	1.75	12.4	3.6
-15	-26	1.60	10.0	2.9
-20	-29	1.45	7.7	2.3

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX32M-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.89	51.3	15.0
60	16	2.84	48.6	14.2
55	13	2.79	46.0	13.5
50	10	2.73	43.3	12.7
47	8	2.70	41.7	12.2
45	7	2.67	39.9	11.7
40	4	2.59	35.4	10.4
35	2	2.51	30.9	9.1
30	-1	2.48	29.5	8.6
25	-4	2.45	28.1	8.2
20	-7	2.42	26.6	7.8
17	-8	2.40	25.8	7.6
15	-9	2.38	24.7	7.2
10	-12	2.33	22.1	6.5
5	-15	2.18	19.7	5.8
0	-18	2.03	17.3	5.1
-5	-21	1.88	14.9	4.4
-10	-23	1.74	12.5	3.7
-15	-26	1.59	10.1	3.0
-20	-29	1.44	7.7	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

COOLING CAPACITY - TPA042S4 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)	1225	580	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.92	1.00	37.0	10.8	3.22	.80	.95	1.00	34.4	10.1	3.68	.83	.99	1.00
	1400	660	42.5	12.5	2.53	.79	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.0	11.1	3.24	.83	1.00	1.00	35.6	10.4	3.71	.87	1.00	1.00
	1545	730	43.5	12.7	2.54	.81	.97	1.00	41.5	12.2	2.87	.83	1.00	1.00	39.0	11.4	3.26	.86	1.00	1.00	36.8	10.8	3.74	.90	1.00	1.00
67°F (19°C)	1225	580	44.5	13.0	2.55	.60	.73	.86	42.0	12.3	2.89	.61	.75	.89	39.5	11.6	3.27	.62	.77	.92	36.8	10.8	3.74	.64	.80	.96
	1400	660	45.5	13.3	2.57	.62	.76	.91	43.0	12.6	2.91	.63	.78	.94	40.5	11.9	3.30	.64	.81	.97	37.6	11.0	3.76	.66	.84	1.00
	1545	730	46.5	13.6	2.59	.63	.79	.94	44.0	12.9	2.92	.64	.81	.97	41.0	12.0	3.31	.66	.84	1.00	38.5	11.3	3.77	.68	.87	1.00
71°F (22°C)	1225	580	47.0	13.8	2.60	.45	.58	.71	44.5	13.0	2.94	.45	.60	.73	42.0	12.3	3.33	.46	.61	.75	39.0	11.4	3.80	.47	.63	.78
	1400	660	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.62	.76	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.82
	1545	730	49.0	14.4	2.64	.47	.62	.77	46.5	13.6	2.98	.47	.63	.79	43.5	12.7	3.38	.48	.65	.82	40.5	11.9	3.84	.49	.67	.85

HEATING CAPACITY - TPA042S4 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	
1225	580	50.4	14.8	2.99	39.1	11.5	2.78	27.2	8.0	2.55	18.8	5.5	2.29	9.3	2.7	1.69
1400	660	51.2	15.0	2.89	39.9	11.7	2.67	28.0	8.2	2.45	19.6	5.7	2.18	10.1	3.0	1.59
1545	730	51.9	15.2	2.82	40.5	11.9	2.60	28.7	8.4	2.37	20.3	5.9	2.11	10.8	3.2	1.52

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CBX32MV-036] [CBX40UHV-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.89	51.2	15.0
60	16	2.84	48.6	14.2
55	13	2.79	45.9	13.5
50	10	2.73	43.2	12.7
47	8	2.70	41.6	12.2
45	7	2.67	39.9	11.7
40	4	2.59	35.4	10.4
35	2	2.51	30.9	9.1
30	-1	2.48	29.4	8.6
25	-4	2.45	28.0	8.2
20	-7	2.42	26.6	7.8
17	-8	2.40	25.7	7.5
15	-9	2.38	24.6	7.2
10	-12	2.33	22.0	6.4
5	-15	2.18	19.6	5.7
0	-18	2.03	17.2	5.0
-5	-21	1.88	14.8	4.3
-10	-23	1.74	12.5	3.7
-15	-26	1.59	10.1	3.0
-20	-29	1.44	7.7	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

COOLING CAPACITY - TPA042S4 with [CX34-43C-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)	1360	640	43.0	12.6	2.53	.78	.93	1.00	40.5	11.9	2.86	.80	.96	1.00	38.0	11.1	3.25	.82	.99	1.00	35.8	10.5	3.71	.85	1.00	1.00
	1460	690	43.5	12.7	2.54	.80	.95	1.00	41.0	12.0	2.87	.82	.98	1.00	39.0	11.4	3.26	.84	1.00	1.00	36.4	10.7	3.73	.87	1.00	1.00
	1635	770	44.5	13.0	2.56	.82	.99	1.00	42.0	12.3	2.89	.85	1.00	1.00	40.0	11.7	3.28	.88	1.00	1.00	37.6	11.0	3.75	.91	1.00	1.00
67°F (19°C)	1360	640	45.5	13.3	2.57	.61	.75	.90	43.0	12.6	2.91	.62	.77	.92	40.5	11.9	3.30	.64	.80	.96	37.8	11.1	3.76	.65	.83	.99
	1460	690	46.5	13.6	2.59	.62	.77	.92	43.5	12.7	2.92	.63	.79	.95	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.85	1.00
	1635	770	47.0	13.8	2.60	.64	.80	.96	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.33	.67	.85	1.00	39.0	11.4	3.79	.69	.89	1.00
71°F (22°C)	1360	640	48.0	14.1	2.62	.46	.60	.73	45.5	13.3	2.96	.46	.61	.75	43.0	12.6	3.36	.47	.62	.77	40.0	11.7	3.83	.47	.64	.80
	1460	690	49.0	14.4	2.63	.46	.61	.75	46.0	13.5	2.97	.47	.62	.77	43.5	12.7	3.37	.47	.64	.79	40.5	11.9	3.84	.48	.66	.83
	1635	770	50.0	14.7	2.65	.47	.63	.78	47.0	13.8	3.00	.48	.64	.80	44.0	12.9	3.40	.48	.66	.83	41.0	12.0	3.86	.49	.68	.87

COOLING CAPACITY - TPA042S4 with [CX34-43C-6F + G60UHV-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)	1295	610	42.5	12.5	2.53	.77	.92	1.00	40.5	11.9	2.85	.79	.94	1.00	38.0	11.1	3.24	.81	.97	1.00	35.4	10.4	3.70	.84	1.00	1.00
	1395	660	43.0	12.6	2.53	.79	.94	1.00	41.0	12.0	2.86	.81	.97	1.00	38.5	11.3	3.25	.83	.99	1.00	36.0	10.6	3.71	.86	1.00	1.00
	1595	755	44.5	13.0	2.55	.82	.98	1.00	42.0	12.3	2.88	.84	1.00	1.00	39.5	11.6	3.28	.87	1.00	1.00	37.4	11.0	3.75	.90	1.00	1.00
67°F (19°C)	1295	610	45.0	13.2	2.57	.60	.74	.88	43.0	12.6	2.90	.62	.76	.91	40.5	11.9	3.29	.63	.79	.94	37.4	11.0	3.75	.64	.81	.98
	1395	660	46.0	13.5	2.58	.61	.76	.91	43.5	12.7	2.91	.63	.78	.93	41.0	12.0	3.31	.64	.81	.96	38.0	11.1	3.76	.66	.84	1.00
	1595	755	47.0	13.8	2.60	.63	.80	.95	44.5	13.0	2.93	.65	.82	.98	41.5	12.2	3.32	.66	.85	1.00	38.5	11.3	3.79	.68	.88	1.00
71°F (22°C)	1295	610	47.5	13.9	2.61	.46	.59	.72	45.0	13.2	2.95	.46	.60	.74	42.5	12.5	3.35	.47	.62	.76	39.5	11.6	3.82	.47	.63	.79
	1395	660	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.96	.47	.61	.76	43.0	12.6	3.36	.47	.63	.78	40.0	11.7	3.84	.48	.65	.81
	1595	755	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.47	.64	.80	44.0	12.9	3.39	.48	.65	.82	41.0	12.0	3.86	.49	.68	.86

HEATING CAPACITY - TPA042S4 with [CX34-43C-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	
1460	690	49.6	14.5	3.19	38.6	11.3	2.91	27.2	8.0	2.62	19.0	5.6	2.31	9.8	2.9	1.69
1635	770	50.2	14.7	3.09	39.2	11.5	2.81	27.8	8.1	2.51	19.6	5.7	2.20	10.4	3.0	1.58

HEATING CAPACITY - TPA042S4 with [CX34-43C-6F + G60UHV-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	
1395	660	49.4	14.5	3.24	38.5	11.3	2.95	27.1	7.9	2.64	19.0	5.6	2.32	9.8	2.9	1.70
1595	755	50.1	14.7	3.13	39.2	11.5	2.83	27.8	8.1	2.53	19.7	5.8	2.21	10.5	3.1	1.59

HEATING PERFORMANCE at 1460 cfm (690 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-43C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	49.6	14.5
60	16	3.13	47.0	13.8
55	13	3.06	44.5	13.0
50	10	2.99	41.9	12.3
47	8	2.95	40.4	11.8
45	7	2.91	38.6	11.3
40	4	2.81	34.3	10.1
35	2	2.70	29.9	8.8
30	-1	2.66	28.5	8.4
25	-4	2.62	27.2	8.0
20	-7	2.58	25.8	7.6
17	-8	2.55	24.9	7.3
15	-9	2.53	23.9	7.0
10	-12	2.46	21.3	6.2
5	-15	2.31	19.0	5.6
0	-18	2.15	16.7	4.9
-5	-21	2.00	14.4	4.2
-10	-23	1.84	12.1	3.5
-15	-26	1.69	9.8	2.9
-20	-29	1.53	7.5	2.2

HEATING PERFORMANCE at 1395 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-43C-6F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.24	49.4	14.5
60	16	3.17	46.8	13.7
55	13	3.10	44.3	13.0
50	10	3.03	41.7	12.2
47	8	2.99	40.2	11.8
45	7	2.95	38.5	11.3
40	4	2.84	34.1	10.0
35	2	2.73	29.8	8.7
30	-1	2.69	28.4	8.3
25	-4	2.64	27.1	7.9
20	-7	2.60	25.7	7.5
17	-8	2.58	24.9	7.3
15	-9	2.55	23.8	7.0
10	-12	2.48	21.3	6.2
5	-15	2.32	19.0	5.6
0	-18	2.17	16.7	4.9
-5	-21	2.01	14.4	4.2
-10	-23	1.86	12.1	3.5
-15	-26	1.70	9.8	2.9
-20	-29	1.55	7.5	2.2

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

COOLING CAPACITY - TPA042S4 with [CX34-43C-6F + G61MPV-60C-110] [CX34-43C-6F + G71MPP-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	42.5	12.5	2.52	.77	.91	1.00	40.5	11.9	2.85	.79	.94	1.00	37.8	11.1	3.24	.81	.97	1.00	35.2	10.3	3.70	.84	1.00	1.00
	1405	665	43.0	12.6	2.53	.79	.94	1.00	41.0	12.0	2.86	.81	.97	1.00	38.5	11.3	3.25	.83	1.00	1.00	36.0	10.6	3.71	.86	1.00	1.00
	1605	760	44.5	13.0	2.55	.82	.98	1.00	42.0	12.3	2.88	.84	1.00	1.00	39.5	11.6	3.28	.87	1.00	1.00	37.4	11.0	3.75	.91	1.00	1.00
67°F (19°C)	1290	610	45.0	13.2	2.57	.60	.74	.88	42.5	12.5	2.90	.62	.76	.91	40.0	11.7	3.29	.63	.78	.94	37.4	11.0	3.75	.64	.81	.97
	1405	665	46.0	13.5	2.58	.62	.76	.91	43.5	12.7	2.91	.63	.78	.94	41.0	12.0	3.30	.64	.81	.97	38.0	11.1	3.77	.66	.84	1.00
	1605	760	47.0	13.8	2.60	.64	.80	.95	44.5	13.0	2.93	.65	.82	.98	41.5	12.2	3.33	.67	.85	1.00	38.5	11.3	3.79	.69	.88	1.00
71°F (22°C)	1290	610	47.5	13.9	2.61	.46	.59	.72	45.0	13.2	2.95	.46	.60	.74	42.5	12.5	3.35	.47	.62	.76	39.5	11.6	3.82	.47	.63	.79
	1405	665	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.61	.76	43.0	12.6	3.36	.47	.63	.78	40.0	11.7	3.84	.48	.65	.81
	1605	760	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.48	.64	.80	44.0	12.9	3.39	.48	.66	.82	41.0	12.0	3.86	.49	.68	.86

COOLING CAPACITY - TPA042S4 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)	1360	640	43.5	12.7	2.54	.78	.94	1.00	41.0	12.0	2.87	.80	.96	1.00	38.5	11.3	3.26	.83	.99	1.00	36.4	10.7	3.72	.86	1.00	1.00
	1460	690	44.0	12.9	2.55	.80	.96	1.00	42.0	12.3	2.88	.82	.99	1.00	39.5	11.6	3.27	.85	1.00	1.00	37.2	10.9	3.74	.89	1.00	1.00
	1635	770	45.0	13.2	2.57	.83	.99	1.00	43.0	12.6	2.90	.86	1.00	1.00	40.5	11.9	3.30	.89	1.00	1.00	38.5	11.3	3.77	.93	1.00	1.00
67°F (19°C)	1360	640	46.0	13.5	2.58	.62	.76	.90	43.5	12.7	2.91	.63	.78	.93	41.0	12.0	3.31	.64	.81	.96	38.0	11.1	3.77	.66	.84	1.00
	1460	690	46.5	13.6	2.59	.63	.78	.93	44.0	12.9	2.92	.64	.80	.96	41.5	12.2	3.32	.65	.83	.99	38.5	11.3	3.78	.68	.86	1.00
	1635	770	47.5	13.9	2.61	.64	.81	.97	45.0	13.2	2.95	.66	.83	.99	42.5	12.5	3.34	.67	.86	1.00	39.5	11.6	3.80	.69	.90	1.00
71°F (22°C)	1360	640	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.61	.76	43.0	12.6	3.37	.47	.63	.78	40.5	11.9	3.83	.48	.65	.81
	1460	690	49.0	14.4	2.64	.47	.61	.76	46.5	13.6	2.98	.47	.63	.78	43.5	12.7	3.38	.48	.64	.81	41.0	12.0	3.85	.49	.67	.84
	1635	770	49.5	14.5	2.66	.47	.63	.79	47.0	13.8	3.00	.48	.65	.81	44.5	13.0	3.40	.49	.66	.84	41.5	12.2	3.87	.50	.69	.88

HEATING CAPACITY - TPA042S4 with [CX34-43C-6F + G61MPV-60C-110] [CX34-43C-6F + G71MPP-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	
1405	660	49.5	14.5	3.24	38.6	11.3	2.95	27.2	8.0	2.64	19.1	5.6	2.32	9.8	2.9	1.70
1605	760	50.4	14.8	3.12	39.4	11.5	2.83	28.0	8.2	2.53	19.9	5.8	2.21	10.7	3.1	1.58

HEATING CAPACITY - TPA042S4 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	
1460	690	49.8	14.6	3.16	38.8	11.4	2.89	27.3	8.0	2.61	19.1	5.6	2.31	9.8	2.9	1.69
1635	770	50.5	14.8	3.07	39.4	11.5	2.80	27.9	8.2	2.51	19.7	5.8	2.21	10.5	3.1	1.59

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-43C-6F + G61MPV-60C-110] [CX34-43C-6F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.24	49.5	14.5
60	16	3.17	47.0	13.8
55	13	3.10	44.4	13.0
50	10	3.03	41.9	12.3
47	8	2.99	40.3	11.8
45	7	2.95	38.6	11.3
40	4	2.84	34.3	10.1
35	2	2.73	29.9	8.8
30	-1	2.68	28.5	8.4
25	-4	2.64	27.2	8.0
20	-7	2.60	25.8	7.6
17	-8	2.57	25.0	7.3
15	-9	2.55	23.9	7.0
10	-12	2.48	21.4	6.3
5	-15	2.32	19.1	5.6
0	-18	2.17	16.8	4.9
-5	-21	2.01	14.4	4.2
-10	-23	1.86	12.1	3.5
-15	-26	1.70	9.8	2.9
-20	-29	1.55	7.5	2.2

HEATING PERFORMANCE at 1460 cfm (690 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-49C-6F + G60UHV-060-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.16	49.8	14.6
60	16	3.10	47.3	13.9
55	13	3.03	44.7	13.1
50	10	2.97	42.1	12.3
47	8	2.93	40.5	11.9
45	7	2.89	38.8	11.4
40	4	2.79	34.4	10.1
35	2	2.69	30.1	8.8
30	-1	2.65	28.7	8.4
25	-4	2.61	27.3	8.0
20	-7	2.57	25.9	7.6
17	-8	2.55	25.0	7.3
15	-9	2.53	24.0	7.0
10	-12	2.46	21.4	6.3
5	-15	2.31	19.1	5.6
0	-18	2.15	16.8	4.9
-5	-21	2.00	14.5	4.2
-10	-23	1.84	12.2	3.6
-15	-26	1.69	9.8	2.9
-20	-29	1.53	7.5	2.2

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

COOLING CAPACITY - TPA042S4 with [CX34-49C-6F + G60UHV-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)	1295	610	43.0	12.6	2.53	.78	.92	1.00	41.0	12.0	2.86	.79	.95	1.00	38.5	11.3	3.25	.82	.98	1.00	35.8	10.5	3.71	.85	1.00	1.00
	1395	660	44.0	12.9	2.54	.79	.94	1.00	41.5	12.2	2.87	.81	.97	1.00	39.0	11.4	3.26	.84	1.00	1.00	36.6	10.7	3.73	.87	1.00	1.00
	1595	755	45.0	13.2	2.56	.83	.99	1.00	42.5	12.5	2.90	.85	1.00	1.00	40.5	11.9	3.30	.88	1.00	1.00	38.0	11.1	3.77	.92	1.00	1.00
67°F (19°C)	1295	610	45.5	13.3	2.57	.61	.75	.89	43.0	12.6	2.90	.62	.77	.91	40.5	11.9	3.30	.63	.79	.95	37.8	11.1	3.76	.65	.82	.98
	1395	660	46.0	13.5	2.58	.62	.77	.91	43.5	12.7	2.92	.63	.79	.94	41.0	12.0	3.31	.65	.81	.97	38.5	11.3	3.77	.67	.85	1.00
	1595	755	47.5	13.9	2.60	.64	.80	.96	44.5	13.0	2.94	.65	.82	.99	42.0	12.3	3.33	.67	.86	1.00	39.0	11.4	3.80	.70	.89	1.00
71°F (22°C)	1295	610	48.0	14.1	2.62	.46	.59	.73	45.5	13.3	2.96	.46	.61	.75	43.0	12.6	3.36	.47	.62	.77	40.0	11.7	3.83	.48	.64	.80
	1395	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.47	.62	.77	43.5	12.7	3.37	.47	.64	.79	40.5	11.9	3.84	.48	.65	.82
	1595	755	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.48	.64	.80	44.0	12.9	3.40	.49	.65	.83	41.5	12.2	3.87	.50	.68	.87

COOLING CAPACITY - TPA042S4 with [CX34-49C-6F + G61MPV-60C-090] [CX34-49C-6F + G71MPP-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	43.0	12.6	2.53	.77	.92	1.00	40.5	11.9	2.86	.79	.94	1.00	38.5	11.3	3.25	.81	.97	1.00	35.8	10.5	3.71	.84	1.00	1.00
	1440	680	44.0	12.9	2.55	.80	.95	1.00	41.5	12.2	2.88	.82	.98	1.00	39.5	11.6	3.27	.85	1.00	1.00	37.0	10.8	3.74	.88	1.00	1.00
	1605	760	45.0	13.2	2.56	.83	.99	1.00	42.5	12.5	2.90	.85	1.00	1.00	40.5	11.9	3.30	.88	1.00	1.00	38.0	11.1	3.77	.92	1.00	1.00
67°F (19°C)	1275	600	45.0	13.2	2.57	.61	.75	.88	43.0	12.6	2.90	.62	.77	.91	40.5	11.9	3.29	.63	.79	.94	37.6	11.0	3.76	.65	.82	.98
	1440	680	46.5	13.6	2.59	.62	.78	.92	44.0	12.9	2.92	.63	.80	.95	41.5	12.2	3.31	.65	.82	.99	38.5	11.3	3.78	.67	.86	1.00
	1605	760	47.5	13.9	2.61	.64	.81	.96	45.0	13.2	2.94	.65	.83	.99	42.0	12.3	3.34	.67	.86	1.00	39.0	11.4	3.80	.70	.90	1.00
71°F (22°C)	1275	600	48.0	14.1	2.61	.45	.59	.72	45.5	13.3	2.95	.46	.61	.74	42.5	12.5	3.35	.47	.62	.77	40.0	11.7	3.82	.47	.63	.79
	1440	680	49.0	14.4	2.64	.47	.61	.75	46.5	13.6	2.97	.47	.62	.78	43.5	12.7	3.38	.48	.64	.80	41.0	12.0	3.85	.48	.66	.84
	1605	760	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.48	.65	.80	44.0	12.9	3.40	.49	.66	.84	41.5	12.2	3.87	.50	.69	.87

HEATING CAPACITY - TPA042S4 with [CX34-49C-6F + G60UHV-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	
1395	660	49.6	14.5	3.21	38.6	11.3	2.93	27.2	8.0	2.64	19.1	5.6	2.32	9.8	2.9	1.70
1595	755	50.3	14.7	3.08	39.3	11.5	2.80	27.9	8.2	2.51	19.8	5.8	2.20	10.5	3.1	1.58

HEATING CAPACITY - TPA042S4 with [CX34-49C-6F + G61MPV-60C-090] [CX34-49C-6F + G71MPP-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	
1440	680	49.9	14.6	3.17	38.9	11.4	2.90	27.4	8.0	2.62	19.3	5.7	2.31	9.9	2.9	1.69
1605	760	50.5	14.8	3.07	39.5	11.6	2.80	28.0	8.2	2.52	19.9	5.8	2.21	10.5	3.1	1.59

HEATING PERFORMANCE at 1395 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-49C-6F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	49.6	14.5
60	16	3.14	47.0	13.8
55	13	3.08	44.5	13.0
50	10	3.01	41.9	12.3
47	8	2.97	40.4	11.8
45	7	2.93	38.6	11.3
40	4	2.82	34.3	10.1
35	2	2.72	30.0	8.8
30	-1	2.68	28.6	8.4
25	-4	2.64	27.2	8.0
20	-7	2.60	25.8	7.6
17	-8	2.57	25.0	7.3
15	-9	2.55	24.0	7.0
10	-12	2.48	21.4	6.3
5	-15	2.32	19.1	5.6
0	-18	2.17	16.8	4.9
-5	-21	2.01	14.4	4.2
-10	-23	1.86	12.1	3.5
-15	-26	1.70	9.8	2.9
-20	-29	1.54	7.5	2.2

HEATING PERFORMANCE at 1440 cfm (680 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-49C-6F + G61MPV-60C-090] [CX34-49C-6F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.17	49.9	14.6
60	16	3.11	47.3	13.9
55	13	3.04	44.8	13.1
50	10	2.98	42.2	12.4
47	8	2.94	40.6	11.9
45	7	2.90	38.9	11.4
40	4	2.80	34.5	10.1
35	2	2.69	30.2	8.9
30	-1	2.66	28.8	8.4
25	-4	2.62	27.4	8.0
20	-7	2.58	26.0	7.6
17	-8	2.56	25.2	7.4
15	-9	2.53	24.2	7.1
10	-12	2.47	21.6	6.3
5	-15	2.31	19.3	5.7
0	-18	2.16	16.9	5.0
-5	-21	2.00	14.6	4.3
-10	-23	1.85	12.2	3.6
-15	-26	1.69	9.9	2.9
-20	-29	1.53	7.6	2.2

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

COOLING CAPACITY - TPA042S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-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	43.0	12.6	2.53	.77	.92	1.00	41.0	12.0	2.86	.79	.95	1.00	38.5	11.3	3.25	.82	.98	1.00	35.8	10.5	3.71	.85	1.00	1.00
	1405	665	44.0	12.9	2.54	.79	.95	1.00	41.5	12.2	2.88	.81	.98	1.00	39.0	11.4	3.26	.84	1.00	1.00	36.8	10.8	3.73	.87	1.00	1.00
	1605	760	45.0	13.2	2.56	.83	.99	1.00	42.5	12.5	2.90	.85	1.00	1.00	40.5	11.9	3.30	.88	1.00	1.00	38.0	11.1	3.77	.92	1.00	1.00
67°F (19°C)	1290	610	45.5	13.3	2.57	.60	.75	.89	43.0	12.6	2.90	.62	.77	.91	40.5	11.9	3.30	.63	.79	.94	37.8	11.1	3.76	.64	.82	.98
	1405	665	46.0	13.5	2.58	.62	.77	.91	44.0	12.9	2.92	.63	.79	.94	41.0	12.0	3.31	.65	.82	.98	38.5	11.3	3.78	.67	.85	1.00
	1605	760	47.5	13.9	2.61	.64	.81	.96	45.0	13.2	2.94	.65	.83	.99	42.0	12.3	3.34	.67	.86	1.00	39.0	11.4	3.80	.70	.90	1.00
71°F (22°C)	1290	610	48.0	14.1	2.62	.46	.59	.73	45.5	13.3	2.96	.46	.61	.75	43.0	12.6	3.35	.47	.62	.77	40.0	11.7	3.83	.47	.64	.80
	1405	665	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.47	.62	.77	43.5	12.7	3.37	.47	.64	.79	40.5	11.9	3.84	.48	.65	.82
	1605	760	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.48	.65	.80	44.0	12.9	3.40	.49	.66	.84	41.5	12.2	3.87	.50	.69	.87

COOLING CAPACITY - TPA042S4 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	42.5	12.5	2.53	.77	.92	1.00	40.5	11.9	2.86	.79	.95	1.00	38.0	11.1	3.24	.82	.98	1.00	35.4	10.4	3.70	.85	1.00	1.00
	1520	715	43.5	12.7	2.54	.80	.96	1.00	41.5	12.2	2.87	.82	.99	1.00	39.0	11.4	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
67°F (19°C)	1355	640	45.5	13.3	2.57	.61	.75	.89	43.0	12.6	2.90	.62	.77	.92	40.5	11.9	3.30	.63	.79	.95	37.6	11.0	3.75	.65	.82	.98
	1520	715	46.5	13.6	2.59	.62	.78	.93	44.0	12.9	2.92	.64	.80	.96	41.0	12.0	3.31	.65	.82	.99	38.0	11.1	3.77	.67	.86	1.00
71°F (22°C)	1355	640	48.0	14.1	2.62	.46	.59	.73	45.5	13.3	2.96	.46	.61	.75	42.5	12.5	3.35	.47	.62	.77	40.0	11.7	3.82	.47	.64	.80
	1520	715	49.0	14.4	2.64	.46	.61	.75	46.5	13.6	2.98	.47	.62	.78	43.5	12.7	3.38	.48	.64	.80	40.5	11.9	3.84	.48	.66	.83

HEATING CAPACITY - TPA042S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-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	
1405	660	49.7	14.6	3.20	38.7	11.3	2.92	27.3	8.0	2.63	19.1	5.6	2.32	9.8	2.9	1.70
1605	760	50.5	14.8	3.08	39.5	11.6	2.80	28.0	8.2	2.51	19.9	5.8	2.20	10.6	3.1	1.57

HEATING CAPACITY - TPA042S4 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	49.0	14.4	3.29	38.2	11.2	2.99	26.9	7.9	2.67	18.8	5.5	2.34	9.7	2.8	1.72
1520	715	49.6	14.5	3.19	38.8	11.4	2.89	27.5	8.1	2.58	19.4	5.7	2.24	10.3	3.0	1.62

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.20	49.7	14.6
60	16	3.14	47.1	13.8
55	13	3.07	44.5	13.0
50	10	3.01	42.0	12.3
47	8	2.97	40.4	11.8
45	7	2.92	38.7	11.3
40	4	2.82	34.4	10.1
35	2	2.71	30.0	8.8
30	-1	2.67	28.6	8.4
25	-4	2.63	27.3	8.0
20	-7	2.59	25.9	7.6
17	-8	2.57	25.0	7.3
15	-9	2.54	24.0	7.0
10	-12	2.48	21.4	6.3
5	-15	2.32	19.1	5.6
0	-18	2.17	16.8	4.9
-5	-21	2.01	14.5	4.2
-10	-23	1.85	12.2	3.6
-15	-26	1.70	9.8	2.9
-20	-29	1.54	7.5	2.2

HEATING PERFORMANCE at 1355 cfm (640 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-50/60C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.29	49.0	14.4
60	16	3.22	46.5	13.6
55	13	3.15	44.0	12.9
50	10	3.08	41.4	12.1
47	8	3.03	39.9	11.7
45	7	2.99	38.2	11.2
40	4	2.88	33.9	9.9
35	2	2.77	29.6	8.7
30	-1	2.72	28.2	8.3
25	-4	2.67	26.9	7.9
20	-7	2.63	25.5	7.5
17	-8	2.60	24.7	7.2
15	-9	2.57	23.7	6.9
10	-12	2.50	21.1	6.2
5	-15	2.34	18.8	5.5
0	-18	2.19	16.6	4.9
-5	-21	2.03	14.3	4.2
-10	-23	1.87	12.0	3.5
-15	-26	1.72	9.7	2.8
-20	-29	1.56	7.4	2.2

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

COOLING CAPACITY - TPA042S4 with [CX34-50/60C-6F + G60UHV-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)	1295	610	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.94	1.00	37.8	11.1	3.23	.80	.97	1.00	35.0	10.3	3.69	.83	1.00	1.00
	1395	660	43.0	12.6	2.53	.78	.93	1.00	40.5	11.9	2.86	.80	.96	1.00	38.0	11.1	3.25	.82	.99	1.00	35.6	10.4	3.71	.85	1.00	1.00
	1595	755	44.0	12.9	2.55	.81	.98	1.00	41.5	12.2	2.88	.84	1.00	1.00	39.5	11.6	3.27	.86	1.00	1.00	37.0	10.8	3.74	.90	1.00	1.00
67°F (19°C)	1295	610	45.0	13.2	2.56	.60	.74	.88	42.5	12.5	2.90	.61	.76	.90	40.0	11.7	3.29	.63	.78	.93	37.4	11.0	3.75	.64	.81	.97
	1395	660	45.5	13.3	2.58	.61	.76	.90	43.0	12.6	2.91	.62	.78	.93	40.5	11.9	3.30	.64	.80	.96	37.8	11.1	3.76	.65	.83	.99
	1595	755	46.5	13.6	2.60	.63	.79	.94	44.0	12.9	2.93	.64	.81	.97	41.5	12.2	3.32	.66	.84	1.00	38.5	11.3	3.78	.68	.87	1.00
71°F (22°C)	1295	610	47.5	13.9	2.61	.46	.59	.72	45.0	13.2	2.95	.46	.60	.74	42.5	12.5	3.34	.46	.61	.76	39.5	11.6	3.81	.47	.63	.78
	1395	660	48.5	14.2	2.63	.46	.60	.73	46.0	13.5	2.96	.46	.61	.75	43.0	12.6	3.36	.47	.63	.78	40.0	11.7	3.83	.48	.64	.81
	1595	755	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.47	.63	.79	44.0	12.9	3.39	.48	.65	.82	41.0	12.0	3.85	.49	.67	.85

HEATING CAPACITY - TPA042S4 with [CX34-50/60C-6F + G60UHV-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	
1395	660	49.3	14.4	3.25	38.4	11.3	2.96	27.0	7.9	2.66	19.0	5.6	2.33	9.8	2.9	1.71
1595	755	50.0	14.7	3.14	39.1	11.5	2.85	27.8	8.1	2.55	19.7	5.8	2.22	10.5	3.1	1.60

HEATING PERFORMANCE at 1395 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CX34-50/60C-6F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.25	49.3	14.4
60	16	3.18	46.7	13.7
55	13	3.11	44.2	13.0
50	10	3.04	41.6	12.2
47	8	3.00	40.1	11.8
45	7	2.96	38.4	11.3
40	4	2.85	34.1	10.0
35	2	2.74	29.8	8.7
30	-1	2.70	28.4	8.3
25	-4	2.66	27.0	7.9
20	-7	2.61	25.7	7.5
17	-8	2.58	24.8	7.3
15	-9	2.56	23.8	7.0
10	-12	2.49	21.3	6.2
5	-15	2.33	19.0	5.6
0	-18	2.17	16.7	4.9
-5	-21	2.02	14.4	4.2
-10	-23	1.86	12.1	3.5
-15	-26	1.71	9.8	2.9
-20	-29	1.55	7.5	2.2

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

COOLING CAPACITY - TPA042S4 with [CR33-50/60C-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)	1225	580	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.94	1.00	37.6	11.0	3.23	.81	.97	1.00	35.0	10.3	3.69	.83	.99	1.00
	1400	660	43.5	12.7	2.54	.80	.95	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.88	1.00	1.00
	1575	745	44.5	13.0	2.56	.83	.99	1.00	42.0	12.3	2.89	.85	1.00	1.00	40.0	11.7	3.28	.88	1.00	1.00	37.4	11.0	3.75	.92	1.00	1.00
67°F (19°C)	1225	580	45.0	13.2	2.56	.60	.74	.88	42.5	12.5	2.89	.61	.76	.90	40.0	11.7	3.28	.62	.78	.93	37.0	10.8	3.74	.64	.81	.97
	1400	660	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.92	.63	.79	.95	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.85	1.00
	1575	745	47.0	13.8	2.60	.64	.81	.96	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.33	.67	.86	1.00	38.5	11.3	3.79	.69	.89	1.00
71°F (22°C)	1225	580	47.5	13.9	2.61	.45	.58	.72	45.0	13.2	2.94	.45	.59	.73	42.0	12.3	3.34	.46	.61	.76	39.5	11.6	3.80	.47	.63	.79
	1400	660	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.37	.47	.64	.80	40.0	11.7	3.83	.48	.66	.83
	1575	745	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.47	.64	.81	44.0	12.9	3.39	.48	.66	.84	41.0	12.0	3.86	.49	.68	.87

COOLING CAPACITY - TPA042S4 with [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)	1225	580	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.94	1.00	37.6	11.0	3.23	.81	.97	1.00	35.0	10.3	3.69	.83	.99	1.00
	1400	660	43.5	12.7	2.54	.80	.95	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.88	1.00	1.00
	1575	745	44.5	13.0	2.56	.83	.99	1.00	42.0	12.3	2.89	.85	1.00	1.00	40.0	11.7	3.28	.88	1.00	1.00	37.4	11.0	3.75	.92	1.00	1.00
67°F (19°C)	1225	580	45.0	13.2	2.56	.60	.74	.88	42.5	12.5	2.89	.61	.76	.90	40.0	11.7	3.28	.62	.78	.93	37.0	10.8	3.74	.64	.81	.97
	1400	660	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.92	.63	.79	.95	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.85	1.00
	1575	745	47.0	13.8	2.60	.64	.81	.96	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.33	.67	.86	1.00	38.5	11.3	3.79	.69	.89	1.00
71°F (22°C)	1225	580	47.5	13.9	2.61	.45	.58	.72	45.0	13.2	2.94	.45	.59	.73	42.0	12.3	3.34	.46	.61	.76	39.5	11.6	3.80	.47	.63	.79
	1400	660	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.37	.47	.64	.80	40.0	11.7	3.83	.48	.66	.83
	1575	745	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.47	.64	.81	44.0	12.9	3.39	.48	.66	.84	41.0	12.0	3.86	.49	.68	.87

HEATING CAPACITY - TPA042S4 with [CR33-50/60C-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	51.4	15.1	2.91	40.1	11.8	2.69	28.2	8.3	2.45	19.8	5.8	2.18	10.2	3.0	1.59
1575	745	52.0	15.2	2.83	40.6	11.9	2.60	28.8	8.4	2.37	20.4	6.0	2.09	10.7	3.1	1.50

HEATING CAPACITY - TPA042S4 with [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	51.4	15.1	2.91	40.1	11.8	2.69	28.2	8.3	2.45	19.8	5.8	2.18	10.2	3.0	1.59
1575	745	52.0	15.2	2.83	40.6	11.9	2.60	28.8	8.4	2.37	20.4	6.0	2.09	10.7	3.1	1.50

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-50/60C-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.91	51.4	15.1
60	16	2.86	48.8	14.3
55	13	2.81	46.1	13.5
50	10	2.75	43.5	12.7
47	8	2.72	41.9	12.3
45	7	2.69	40.1	11.8
40	4	2.60	35.6	10.4
35	2	2.52	31.1	9.1
30	-1	2.48	29.7	8.7
25	-4	2.45	28.2	8.3
20	-7	2.42	26.8	7.9
17	-8	2.40	26.0	7.6
15	-9	2.38	24.9	7.3
10	-12	2.32	22.2	6.5
5	-15	2.18	19.8	5.8
0	-18	2.03	17.4	5.1
-5	-21	1.88	15.0	4.4
-10	-23	1.73	12.6	3.7
-15	-26	1.59	10.2	3.0
-20	-29	1.44	7.8	2.3

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-60D-F]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.91	51.4	15.1
60	16	2.86	48.8	14.3
55	13	2.81	46.1	13.5
50	10	2.75	43.5	12.7
47	8	2.72	41.9	12.3
45	7	2.69	40.1	11.8
40	4	2.60	35.6	10.4
35	2	2.52	31.1	9.1
30	-1	2.48	29.7	8.7
25	-4	2.45	28.2	8.3
20	-7	2.42	26.8	7.9
17	-8	2.40	26.0	7.6
15	-9	2.38	24.9	7.3
10	-12	2.32	22.2	6.5
5	-15	2.18	19.8	5.8
0	-18	2.03	17.4	5.1
-5	-21	1.88	15.0	4.4
-10	-23	1.73	12.6	3.7
-15	-26	1.59	10.2	3.0
-20	-29	1.44	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.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA042S4 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)	1235	585	41.5	12.2	2.51	.75	.89	1.00	39.0	11.4	2.84	.77	.92	1.00	36.8	10.8	3.22	.79	.95	1.00	34.4	10.1	3.68	.82	.98	1.00
	1405	665	42.5	12.5	2.52	.78	.93	1.00	40.0	11.7	2.85	.80	.96	1.00	37.6	11.0	3.23	.82	.98	1.00	35.2	10.3	3.69	.86	1.00	1.00
	1555	735	43.0	12.6	2.53	.81	.96	1.00	41.0	12.0	2.86	.83	.99	1.00	38.5	11.3	3.25	.85	1.00	1.00	36.0	10.6	3.72	.89	1.00	1.00
67°F (19°C)	1235	585	44.0	12.9	2.55	.59	.73	.86	41.5	12.2	2.88	.60	.75	.89	39.0	11.4	3.27	.62	.77	.92	36.4	10.7	3.73	.63	.80	.95
	1405	665	45.0	13.2	2.56	.61	.76	.90	42.5	12.5	2.89	.62	.78	.93	40.0	11.7	3.29	.64	.80	.95	37.2	10.9	3.75	.65	.83	.99
	1555	735	46.0	13.5	2.58	.63	.78	.93	43.5	12.7	2.91	.64	.80	.96	40.5	11.9	3.30	.65	.83	.98	37.8	11.1	3.76	.67	.86	1.00
71°F (22°C)	1235	585	46.5	13.6	2.59	.45	.58	.70	44.0	12.9	2.92	.45	.59	.72	41.5	12.2	3.32	.46	.60	.74	38.5	11.3	3.78	.46	.62	.77
	1405	665	47.5	13.9	2.61	.46	.60	.73	45.0	13.2	2.94	.46	.61	.75	42.5	12.5	3.34	.47	.62	.78	39.5	11.6	3.81	.47	.64	.81
	1555	735	48.5	14.2	2.63	.46	.61	.76	45.5	13.3	2.96	.47	.63	.78	43.0	12.6	3.36	.47	.64	.81	40.0	11.7	3.83	.48	.66	.84

COOLING CAPACITY - TPA042S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-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)	1270	600	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.93	1.00	37.0	10.8	3.22	.80	.96	1.00	34.4	10.1	3.68	.83	.99	1.00
	1395	660	42.5	12.5	2.52	.78	.93	1.00	40.0	11.7	2.85	.80	.96	1.00	37.6	11.0	3.24	.82	.98	1.00	35.0	10.3	3.69	.85	1.00	1.00
67°F (19°C)	1270	600	44.0	12.9	2.55	.60	.73	.87	42.0	12.3	2.88	.61	.75	.89	39.5	11.6	3.27	.62	.77	.93	36.6	10.7	3.73	.64	.80	.96
	1395	660	45.0	13.2	2.56	.61	.76	.90	42.5	12.5	2.89	.62	.78	.93	40.0	11.7	3.29	.63	.80	.95	37.2	10.9	3.75	.65	.83	.98
71°F (22°C)	1270	600	46.5	13.6	2.59	.45	.58	.71	44.0	12.9	2.93	.45	.59	.73	41.5	12.2	3.32	.46	.61	.75	39.0	11.4	3.79	.47	.62	.78
	1395	660	47.5	13.9	2.61	.46	.59	.73	45.0	13.2	2.94	.46	.61	.75	42.0	12.3	3.34	.47	.62	.78	39.5	11.6	3.81	.47	.64	.81

HEATING CAPACITY - TPA042S4 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	
1405	660	50.2	14.7	3.10	39.1	11.5	2.83	27.5	8.1	2.56	19.3	5.7	2.25	9.9	2.9	1.65
1555	735	50.8	14.9	3.02	39.7	11.6	2.75	28.1	8.2	2.47	19.9	5.8	2.17	10.5	3.1	1.56

HEATING CAPACITY - TPA042S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-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	
1395	660	50.6	14.8	3.10	39.5	11.6	2.83	27.9	8.2	2.56	19.7	5.8	2.25	10.2	3.0	1.65

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	50.2	14.7
60	16	3.04	47.6	14.0
55	13	2.97	45.0	13.2
50	10	2.91	42.4	12.4
47	8	2.87	40.8	12.0
45	7	2.83	39.1	11.5
40	4	2.73	34.7	10.2
35	2	2.64	30.3	8.9
30	-1	2.60	28.9	8.5
25	-4	2.56	27.5	8.1
20	-7	2.52	26.1	7.6
17	-8	2.49	25.3	7.4
15	-9	2.47	24.2	7.1
10	-12	2.40	21.6	6.3
5	-15	2.25	19.3	5.7
0	-18	2.10	16.9	5.0
-5	-21	1.95	14.6	4.3
-10	-23	1.80	12.3	3.6
-15	-26	1.65	9.9	2.9
-20	-29	1.50	7.6	2.2

HEATING PERFORMANCE at 1395 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48B-F + G61MPV-36B-070] [CR33-48B-F + G71MPP-36B-070]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	50.5	14.8
60	16	3.04	47.9	14.0
55	13	2.97	45.3	13.3
50	10	2.91	42.7	12.5
47	8	2.87	41.2	12.1
45	7	2.83	39.4	11.5
40	4	2.74	35.0	10.3
35	2	2.64	30.6	9.0
30	-1	2.60	29.2	8.6
25	-4	2.56	27.8	8.1
20	-7	2.52	26.4	7.7
17	-8	2.49	25.6	7.5
15	-9	2.47	24.6	7.2
10	-12	2.40	22.0	6.4
5	-15	2.25	19.6	5.7
0	-18	2.10	17.2	5.0
-5	-21	1.95	14.8	4.3
-10	-23	1.80	12.4	3.6
-15	-26	1.65	10.1	3.0
-20	-29	1.50	7.7	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

COOLING CAPACITY - TPA042S4 with [CR33-48C-F + G60DFV-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)	1390	655	42.5	12.5	2.52	.78	.93	1.00	40.0	11.7	2.85	.80	.95	1.00	37.6	11.0	3.23	.82	.98	1.00	35.0	10.3	3.69	.85	1.00	1.00
	1565	740	43.0	12.6	2.53	.81	.96	1.00	41.0	12.0	2.86	.83	.99	1.00	38.5	11.3	3.25	.86	1.00	1.00	36.0	10.6	3.72	.89	1.00	1.00
67°F (19°C)	1390	655	45.0	13.2	2.56	.61	.75	.90	42.5	12.5	2.89	.62	.77	.93	40.0	11.7	3.29	.63	.80	.95	37.2	10.9	3.75	.65	.83	.98
	1565	740	46.0	13.5	2.58	.63	.78	.94	43.5	12.7	2.91	.64	.80	.96	41.0	12.0	3.30	.65	.83	.99	38.0	11.1	3.76	.67	.86	1.00
71°F (22°C)	1390	655	47.5	13.9	2.61	.46	.59	.73	45.0	13.2	2.94	.46	.61	.75	42.0	12.3	3.34	.46	.62	.77	39.5	11.6	3.81	.47	.64	.80
	1565	740	48.5	14.2	2.63	.46	.61	.76	46.0	13.5	2.96	.47	.63	.78	43.0	12.6	3.36	.47	.64	.81	40.0	11.7	3.83	.48	.66	.84

COOLING CAPACITY - TPA042S4 with [CR33-48C-F + G60DFV-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)	1340	630	42.0	12.3	2.52	.77	.92	1.00	40.0	11.7	2.85	.79	.94	1.00	37.4	11.0	3.23	.81	.97	1.00	34.8	10.2	3.68	.84	.99	1.00
	1450	685	42.5	12.5	2.53	.79	.94	1.00	40.5	11.9	2.85	.81	.97	1.00	38.0	11.1	3.24	.83	.99	1.00	35.4	10.4	3.70	.86	1.00	1.00
	1645	775	43.5	12.7	2.54	.82	.98	1.00	41.0	12.0	2.87	.84	.99	1.00	39.0	11.4	3.26	.87	1.00	1.00	36.6	10.7	3.73	.91	1.00	1.00
67°F (19°C)	1340	630	44.5	13.0	2.56	.60	.75	.88	42.5	12.5	2.89	.61	.76	.91	39.5	11.6	3.28	.63	.79	.94	37.0	10.8	3.74	.64	.82	.97
	1450	685	45.0	13.2	2.57	.61	.76	.91	43.0	12.6	2.90	.63	.79	.94	40.5	11.9	3.29	.64	.81	.97	37.4	11.0	3.75	.66	.84	.99
	1645	775	46.0	13.5	2.59	.63	.80	.95	43.5	12.7	2.92	.65	.82	.98	41.0	12.0	3.31	.66	.85	.99	38.0	11.1	3.77	.68	.88	1.00
71°F (22°C)	1340	630	47.0	13.8	2.60	.45	.59	.72	44.5	13.0	2.94	.46	.60	.74	42.0	12.3	3.33	.46	.62	.76	39.0	11.4	3.80	.47	.63	.79
	1450	685	47.5	13.9	2.61	.46	.60	.74	45.0	13.2	2.95	.46	.61	.76	42.5	12.5	3.35	.47	.63	.79	39.5	11.6	3.82	.48	.65	.82
	1645	775	48.5	14.2	2.63	.47	.62	.77	46.0	13.5	2.97	.47	.64	.80	43.5	12.7	3.37	.48	.65	.82	40.5	11.9	3.84	.49	.68	.86

HEATING CAPACITY - TPA042S4 with [CR33-48C-F + G60DFV-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	
1390	655	49.8	14.6	3.11	38.8	11.4	2.84	27.2	8.0	2.56	19.0	5.6	2.25	9.8	2.9	1.65
1565	740	50.4	14.8	3.02	39.3	11.5	2.75	27.8	8.1	2.47	19.6	5.7	2.16	10.4	3.0	1.56

HEATING CAPACITY - TPA042S4 with [CR33-48C-F + G60DFV-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	
1450	685	50.1	14.7	3.06	39.0	11.4	2.81	27.4	8.0	2.54	19.2	5.6	2.24	9.9	2.9	1.64
1645	775	50.8	14.9	2.98	39.7	11.6	2.72	28.1	8.2	2.45	19.9	5.8	2.16	10.6	3.1	1.55

HEATING PERFORMANCE at 1390 cfm (655 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48C-F + G60DFV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	49.8	14.6
60	16	3.04	47.2	13.8
55	13	2.98	44.6	13.1
50	10	2.91	42.0	12.3
47	8	2.88	40.5	11.9
45	7	2.84	38.8	11.4
40	4	2.74	34.4	10.1
35	2	2.64	30.0	8.8
30	-1	2.60	28.6	8.4
25	-4	2.56	27.2	8.0
20	-7	2.52	25.8	7.6
17	-8	2.49	25.0	7.3
15	-9	2.47	23.9	7.0
10	-12	2.41	21.3	6.2
5	-15	2.25	19.0	5.6
0	-18	2.10	16.7	4.9
-5	-21	1.95	14.4	4.2
-10	-23	1.80	12.1	3.5
-15	-26	1.65	9.8	2.9
-20	-29	1.50	7.5	2.2

HEATING PERFORMANCE at 1450 cfm (685 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48C-F + G60DFV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	50.1	14.7
60	16	3.00	47.5	13.9
55	13	2.94	44.9	13.2
50	10	2.88	42.3	12.4
47	8	2.84	40.7	11.9
45	7	2.81	39.0	11.4
40	4	2.71	34.6	10.1
35	2	2.62	30.2	8.9
30	-1	2.58	28.8	8.4
25	-4	2.54	27.4	8.0
20	-7	2.50	26.0	7.6
17	-8	2.48	25.1	7.4
15	-9	2.45	24.1	7.1
10	-12	2.39	21.5	6.3
5	-15	2.24	19.2	5.6
0	-18	2.09	16.9	5.0
-5	-21	1.94	14.5	4.2
-10	-23	1.79	12.2	3.6
-15	-26	1.64	9.9	2.9
-20	-29	1.49	7.5	2.2

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

COOLING CAPACITY - TPA042S4 with [CR33-48C-F + G61MPV-60C-090] [CR33-48C-F + G71MPP-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	41.5	12.2	2.51	.76	.90	1.00	39.5	11.6	2.84	.78	.93	1.00	37.0	10.8	3.22	.80	.96	1.00	34.4	10.1	3.68	.83	.99	1.00
	1380	650	42.5	12.5	2.52	.78	.93	1.00	40.0	11.7	2.85	.80	.95	1.00	37.6	11.0	3.23	.82	.98	1.00	35.0	10.3	3.69	.85	1.00	1.00
	1590	750	43.5	12.7	2.54	.81	.97	1.00	41.0	12.0	2.87	.83	.99	1.00	38.5	11.3	3.25	.86	1.00	1.00	36.4	10.7	3.72	.89	1.00	1.00
67°F (19°C)	1275	600	44.0	12.9	2.55	.60	.74	.87	42.0	12.3	2.88	.61	.75	.90	39.5	11.6	3.27	.62	.77	.93	36.8	10.8	3.73	.64	.80	.96
	1380	650	45.0	13.2	2.56	.61	.75	.90	42.5	12.5	2.89	.62	.77	.92	40.0	11.7	3.28	.63	.80	.95	37.2	10.9	3.74	.65	.83	.98
	1590	750	46.0	13.5	2.58	.63	.79	.94	43.5	12.7	2.91	.64	.81	.97	41.0	12.0	3.30	.66	.84	.99	38.0	11.1	3.77	.68	.87	1.00
71°F (22°C)	1275	600	46.5	13.6	2.59	.45	.58	.71	44.5	13.0	2.93	.45	.59	.73	41.5	12.2	3.32	.46	.61	.75	39.0	11.4	3.79	.47	.62	.78
	1380	650	47.5	13.9	2.60	.46	.59	.73	45.0	13.2	2.94	.46	.61	.75	42.0	12.3	3.34	.46	.62	.77	39.5	11.6	3.80	.47	.64	.80
	1590	750	48.5	14.2	2.63	.46	.62	.76	46.0	13.5	2.97	.47	.63	.79	43.0	12.6	3.36	.48	.65	.81	40.0	11.7	3.83	.48	.67	.85

COOLING CAPACITY - TPA042S4 with [CR33-48C-F + G61MPV-60C-110] [CR33-48C-F + G71MPP-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	42.0	12.3	2.51	.76	.91	1.00	39.5	11.6	2.84	.78	.93	1.00	37.2	10.9	3.23	.80	.96	1.00	34.6	10.1	3.68	.83	.99	1.00
	1405	665	42.5	12.5	2.52	.78	.93	1.00	40.0	11.7	2.85	.80	.96	1.00	37.6	11.0	3.23	.82	.98	1.00	35.2	10.3	3.69	.86	1.00	1.00
	1605	760	43.5	12.7	2.54	.81	.97	1.00	41.0	12.0	2.87	.84	.99	1.00	38.5	11.3	3.26	.86	1.00	1.00	36.4	10.7	3.72	.90	1.00	1.00
67°F (19°C)	1290	610	44.5	13.0	2.55	.60	.74	.87	42.0	12.3	2.88	.61	.76	.90	39.5	11.6	3.27	.62	.78	.93	36.8	10.8	3.73	.64	.81	.96
	1405	665	45.0	13.2	2.56	.61	.76	.90	42.5	12.5	2.89	.62	.78	.93	40.0	11.7	3.29	.64	.80	.95	37.2	10.9	3.75	.65	.83	.99
	1605	760	46.0	13.5	2.58	.63	.79	.94	43.5	12.7	2.91	.64	.81	.97	41.0	12.0	3.31	.66	.84	.99	38.0	11.1	3.77	.68	.87	1.00
71°F (22°C)	1290	610	46.5	13.6	2.59	.45	.58	.71	44.5	13.0	2.93	.46	.60	.73	41.5	12.2	3.33	.46	.61	.75	39.0	11.4	3.79	.47	.63	.78
	1405	665	47.5	13.9	2.61	.46	.60	.73	45.0	13.2	2.94	.46	.61	.75	42.5	12.5	3.34	.47	.62	.78	39.5	11.6	3.81	.47	.64	.81
	1605	760	48.5	14.2	2.63	.46	.62	.77	46.0	13.5	2.97	.47	.63	.79	43.5	12.7	3.37	.48	.65	.82	40.5	11.9	3.83	.48	.67	.85

HEATING CAPACITY - TPA042S4 with [CR33-48C-F + G61MPV-60C-090] [CR33-48C-F + G71MPP-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	
1380	650	50.0	14.7	3.11	38.9	11.4	2.84	27.4	8.0	2.56	19.2	5.6	2.26	9.9	2.9	1.65
1590	750	50.8	14.9	3.01	39.7	11.6	2.74	28.2	8.3	2.46	20.0	5.9	2.15	10.7	3.1	1.55

HEATING CAPACITY - TPA042S4 with [CR33-48C-F + G61MPV-60C-110] [CR33-48C-F + G71MPP-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	
1405	660	50.1	14.7	3.10	39.0	11.4	2.83	27.4	8.0	2.56	19.2	5.6	2.25	9.9	2.9	1.65
1605	760	50.9	14.9	3.00	39.8	11.7	2.73	28.2	8.3	2.46	20.0	5.9	2.15	10.7	3.1	1.55

HEATING PERFORMANCE at 1380 cfm (650 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48C-F + G61MPV-60C-090] [CR33-48C-F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	50.0	14.7
60	16	3.05	47.4	13.9
55	13	2.98	44.8	13.1
50	10	2.92	42.2	12.4
47	8	2.88	40.7	11.9
45	7	2.84	38.9	11.4
40	4	2.75	34.6	10.1
35	2	2.65	30.2	8.9
30	-1	2.61	28.8	8.4
25	-4	2.56	27.4	8.0
20	-7	2.52	26.0	7.6
17	-8	2.50	25.2	7.4
15	-9	2.47	24.1	7.1
10	-12	2.41	21.6	6.3
5	-15	2.26	19.2	5.6
0	-18	2.11	16.9	5.0
-5	-21	1.95	14.6	4.3
-10	-23	1.80	12.2	3.6
-15	-26	1.65	9.9	2.9
-20	-29	1.50	7.6	2.2

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-48C-F + G61MPV-60C-110] [CR33-48C-F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	50.1	14.7
60	16	3.04	47.5	13.9
55	13	2.97	44.9	13.2
50	10	2.91	42.3	12.4
47	8	2.87	40.7	11.9
45	7	2.83	39.0	11.4
40	4	2.73	34.6	10.1
35	2	2.64	30.2	8.9
30	-1	2.60	28.8	8.4
25	-4	2.56	27.4	8.0
20	-7	2.52	26.0	7.6
17	-8	2.49	25.2	7.4
15	-9	2.47	24.1	7.1
10	-12	2.40	21.5	6.3
5	-15	2.25	19.2	5.6
0	-18	2.10	16.9	5.0
-5	-21	1.95	14.5	4.2
-10	-23	1.80	12.2	3.6
-15	-26	1.65	9.9	2.9
-20	-29	1.50	7.6	2.2

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

COOLING CAPACITY - TPA042S4 with [CR33-50/60C-F + G60DFV-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)	1390	655	43.5	12.7	2.54	.79	.95	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.87	1.00	1.00
	1565	740	44.5	13.0	2.55	.83	.99	1.00	42.0	12.3	2.88	.85	1.00	1.00	40.0	11.7	3.28	.88	1.00	1.00	37.2	10.9	3.75	.92	1.00	1.00
67°F (19°C)	1390	655	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.91	.63	.79	.95	41.0	12.0	3.30	.65	.82	.98	38.0	11.1	3.76	.66	.85	1.00
	1565	740	47.0	13.8	2.60	.64	.80	.96	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.32	.67	.86	1.00	38.5	11.3	3.79	.69	.89	1.00
71°F (22°C)	1390	655	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.83
	1565	740	49.5	14.5	2.65	.47	.62	.78	47.0	13.8	2.99	.47	.64	.81	44.0	12.9	3.39	.48	.66	.83	41.0	12.0	3.85	.49	.68	.87

COOLING CAPACITY - TPA042S4 with [CR33-50/60C-F + G60DFV-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)	1340	630	43.0	12.6	2.53	.78	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.5	11.3	3.25	.83	.99	1.00	35.8	10.5	3.71	.86	1.00	1.00
	1450	685	43.5	12.7	2.54	.81	.97	1.00	41.5	12.2	2.87	.83	.99	1.00	39.0	11.4	3.26	.85	1.00	1.00	36.6	10.7	3.73	.89	1.00	1.00
	1645	775	45.0	13.2	2.56	.84	1.00	1.00	42.5	12.5	2.90	.87	1.00	1.00	40.5	11.9	3.29	.90	1.00	1.00	37.8	11.1	3.76	.93	1.00	1.00
67°F (19°C)	1340	630	45.5	13.3	2.58	.61	.76	.91	43.0	12.6	2.91	.62	.78	.93	40.5	11.9	3.30	.64	.81	.96	37.8	11.1	3.76	.66	.84	.99
	1450	685	46.5	13.6	2.59	.62	.78	.93	44.0	12.9	2.92	.64	.80	.96	41.0	12.0	3.31	.65	.83	.99	38.0	11.1	3.77	.67	.86	1.00
	1645	775	47.5	13.9	2.61	.65	.82	.98	44.5	13.0	2.94	.66	.84	.99	42.0	12.3	3.33	.68	.87	1.00	39.0	11.4	3.79	.70	.91	1.00
71°F (22°C)	1340	630	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.61	.76	43.0	12.6	3.36	.47	.63	.78	40.0	11.7	3.82	.47	.65	.81
	1450	685	49.0	14.4	2.64	.46	.61	.76	46.5	13.6	2.97	.47	.62	.78	43.5	12.7	3.37	.47	.64	.81	40.5	11.9	3.84	.48	.66	.84
	1645	775	50.0	14.7	2.66	.47	.63	.80	47.0	13.8	3.00	.48	.65	.82	44.5	13.0	3.40	.48	.67	.85	41.0	12.0	3.86	.49	.69	.89

HEATING CAPACITY - TPA042S4 with [CR33-50/60C-F + G60DFV-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	
1390	655	50.6	14.8	2.92	39.3	11.5	2.69	27.5	8.1	2.45	19.2	5.6	2.18	9.9	2.9	1.59
1565	740	51.2	15.0	2.84	39.9	11.7	2.61	28.1	8.2	2.37	19.8	5.8	2.09	10.5	3.1	1.50

HEATING CAPACITY - TPA042S4 with [CR33-50/60C-F + G60DFV-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	
1450	685	50.8	14.9	2.88	39.5	11.6	2.66	27.7	8.1	2.43	19.3	5.7	2.16	10.0	2.9	1.58
1645	775	51.6	15.1	2.79	40.2	11.8	2.57	28.4	8.3	2.35	20.0	5.9	2.08	10.7	3.1	1.49

HEATING PERFORMANCE at 1390 cfm (655 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-50/60C-F + G60DFV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.92	50.6	14.8
60	16	2.87	48.0	14.1
55	13	2.81	45.3	13.3
50	10	2.76	42.7	12.5
47	8	2.73	41.1	12.0
45	7	2.69	39.3	11.5
40	4	2.61	34.8	10.2
35	2	2.52	30.4	8.9
30	-1	2.49	29.0	8.5
25	-4	2.45	27.5	8.1
20	-7	2.42	26.1	7.6
17	-8	2.40	25.2	7.4
15	-9	2.38	24.1	7.1
10	-12	2.32	21.5	6.3
5	-15	2.18	19.2	5.6
0	-18	2.03	16.8	4.9
-5	-21	1.88	14.5	4.2
-10	-23	1.74	12.2	3.6
-15	-26	1.59	9.9	2.9
-20	-29	1.44	7.6	2.2

HEATING PERFORMANCE at 1450 cfm (685 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-50/60C-F + G60DFV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.88	50.8	14.9
60	16	2.83	48.2	14.1
55	13	2.78	45.5	13.3
50	10	2.73	42.9	12.6
47	8	2.69	41.3	12.1
45	7	2.66	39.5	11.6
40	4	2.58	35.0	10.3
35	2	2.50	30.6	9.0
30	-1	2.47	29.1	8.5
25	-4	2.43	27.7	8.1
20	-7	2.40	26.2	7.7
17	-8	2.38	25.4	7.4
15	-9	2.36	24.3	7.1
10	-12	2.31	21.7	6.4
5	-15	2.16	19.3	5.7
0	-18	2.02	17.0	5.0
-5	-21	1.87	14.6	4.3
-10	-23	1.72	12.3	3.6
-15	-26	1.58	10.0	2.9
-20	-29	1.43	7.6	2.2

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

COOLING CAPACITY - TPA042S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-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	42.5	12.5	2.53	.77	.92	1.00	40.5	11.9	2.85	.79	.95	1.00	37.8	11.1	3.24	.82	.98	1.00	35.2	10.3	3.70	.85	1.00	1.00
	1380	650	43.5	12.7	2.54	.79	.95	1.00	41.0	12.0	2.87	.81	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.87	1.00	1.00
	1590	750	44.5	13.0	2.56	.83	.99	1.00	42.0	12.3	2.89	.86	1.00	1.00	40.0	11.7	3.28	.89	1.00	1.00	37.4	11.0	3.75	.92	1.00	1.00
67°F (19°C)	1275	600	45.0	13.2	2.57	.60	.75	.89	43.0	12.6	2.90	.62	.77	.92	40.0	11.7	3.29	.63	.79	.95	37.4	11.0	3.75	.65	.82	.98
	1380	650	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.91	.63	.79	.94	41.0	12.0	3.31	.64	.82	.97	38.0	11.1	3.76	.66	.85	1.00
	1590	750	47.0	13.8	2.60	.64	.81	.97	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.33	.67	.86	1.00	39.0	11.4	3.79	.69	.90	1.00
71°F (22°C)	1275	600	47.5	13.9	2.61	.45	.59	.72	45.0	13.2	2.95	.46	.60	.74	42.5	12.5	3.35	.46	.62	.77	39.5	11.6	3.81	.47	.64	.80
	1380	650	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.61	.77	43.0	12.6	3.36	.47	.63	.79	40.0	11.7	3.83	.48	.65	.82
	1590	750	49.5	14.5	2.65	.47	.63	.79	47.0	13.8	2.99	.47	.64	.81	44.0	12.9	3.39	.48	.66	.84	41.0	12.0	3.86	.49	.69	.88

COOLING CAPACITY - TPA042S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-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	43.0	12.6	2.53	.78	.93	1.00	40.5	11.9	2.85	.80	.95	1.00	38.0	11.1	3.24	.82	.98	1.00	35.4	10.4	3.70	.85	1.00	1.00
	1405	665	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.88	1.00	1.00
	1605	760	44.5	13.0	2.56	.83	.99	1.00	42.5	12.5	2.89	.86	1.00	1.00	40.0	11.7	3.29	.89	1.00	1.00	37.6	11.0	3.76	.92	1.00	1.00
67°F (19°C)	1290	610	45.5	13.3	2.57	.60	.75	.90	43.0	12.6	2.90	.62	.77	.92	40.5	11.9	3.29	.63	.80	.95	37.6	11.0	3.75	.65	.83	.98
	1405	665	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.92	.63	.79	.95	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.85	1.00
	1605	760	47.0	13.8	2.60	.64	.81	.97	44.5	13.0	2.94	.66	.84	.99	41.5	12.2	3.33	.67	.87	1.00	39.0	11.4	3.79	.70	.90	1.00
71°F (22°C)	1290	610	48.0	14.1	2.62	.45	.59	.73	45.5	13.3	2.95	.46	.60	.75	42.5	12.5	3.35	.46	.62	.77	39.5	11.6	3.82	.47	.64	.80
	1405	665	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.37	.47	.64	.80	40.0	11.7	3.83	.48	.66	.83
	1605	760	49.5	14.5	2.66	.47	.63	.79	47.0	13.8	2.99	.47	.65	.81	44.0	12.9	3.39	.48	.66	.84	41.0	12.0	3.86	.49	.69	.88

HEATING CAPACITY - TPA042S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-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	
1380	650	50.8	14.9	2.93	39.5	11.6	2.70	27.7	8.1	2.46	19.3	5.7	2.18	10.0	2.9	1.59
1590	750	51.6	15.1	2.83	40.3	11.8	2.59	28.5	8.4	2.35	20.1	5.9	2.08	10.7	3.1	1.49

HEATING CAPACITY - TPA042S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-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	
1405	660	50.8	14.9	2.91	39.5	11.6	2.68	27.7	8.1	2.45	19.4	5.7	2.17	10.0	2.9	1.59
1605	760	51.6	15.1	2.82	40.3	11.8	2.59	28.5	8.4	2.35	20.1	5.9	2.08	10.7	3.1	1.49

HEATING PERFORMANCE at 1380 cfm (650 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.93	50.8	14.9
60	16	2.87	48.2	14.1
55	13	2.82	45.5	13.3
50	10	2.76	42.9	12.6
47	8	2.73	41.3	12.1
45	7	2.70	39.5	11.6
40	4	2.61	35.0	10.3
35	2	2.52	30.6	9.0
30	-1	2.49	29.1	8.5
25	-4	2.46	27.7	8.1
20	-7	2.42	26.2	7.7
17	-8	2.40	25.4	7.4
15	-9	2.38	24.3	7.1
10	-12	2.33	21.7	6.4
5	-15	2.18	19.3	5.7
0	-18	2.03	17.0	5.0
-5	-21	1.88	14.6	4.3
-10	-23	1.74	12.3	3.6
-15	-26	1.59	10.0	2.9
-20	-29	1.44	7.6	2.2

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.91	50.8	14.9
60	16	2.86	48.2	14.1
55	13	2.80	45.5	13.3
50	10	2.75	42.9	12.6
47	8	2.72	41.3	12.1
45	7	2.68	39.5	11.6
40	4	2.60	35.1	10.3
35	2	2.51	30.6	9.0
30	-1	2.48	29.1	8.5
25	-4	2.45	27.7	8.1
20	-7	2.42	26.3	7.7
17	-8	2.40	25.4	7.4
15	-9	2.38	24.3	7.1
10	-12	2.32	21.7	6.4
5	-15	2.17	19.4	5.7
0	-18	2.03	17.0	5.0
-5	-21	1.88	14.7	4.3
-10	-23	1.73	12.3	3.6
-15	-26	1.59	10.0	2.9
-20	-29	1.44	7.6	2.2

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

COOLING CAPACITY - TPA042S4 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)	1340	630	43.0	12.6	2.53	.78	.94	1.00	40.5	11.9	2.86	.81	.97	1.00	38.5	11.3	3.25	.83	.99	1.00	35.8	10.5	3.71	.86	1.00	1.00
	1440	680	43.5	12.7	2.54	.80	.96	1.00	41.5	12.2	2.87	.83	.99	1.00	39.0	11.4	3.26	.85	1.00	1.00	36.6	10.7	3.73	.89	1.00	1.00
	1645	775	45.0	13.2	2.56	.84	1.00	1.00	42.5	12.5	2.90	.87	1.00	1.00	40.5	11.9	3.29	.90	1.00	1.00	37.8	11.1	3.76	.93	1.00	1.00
67°F (19°C)	1340	630	45.5	13.3	2.58	.61	.76	.91	43.0	12.6	2.91	.62	.78	.93	40.5	11.9	3.30	.64	.81	.96	37.8	11.1	3.76	.66	.84	.99
	1440	680	46.5	13.6	2.59	.62	.78	.93	43.5	12.7	2.92	.64	.80	.96	41.0	12.0	3.31	.65	.83	.99	38.0	11.1	3.77	.67	.86	1.00
	1645	775	47.5	13.9	2.61	.65	.82	.98	44.5	13.0	2.94	.66	.84	.99	42.0	12.3	3.33	.68	.87	1.00	39.0	11.4	3.79	.70	.91	1.00
71°F (22°C)	1340	630	48.0	14.1	2.62	.46	.60	.74	45.5	13.3	2.96	.46	.61	.76	43.0	12.6	3.36	.47	.63	.78	40.0	11.7	3.82	.47	.65	.81
	1440	680	49.0	14.4	2.64	.46	.61	.76	46.0	13.5	2.97	.47	.62	.78	43.5	12.7	3.37	.47	.64	.81	40.5	11.9	3.84	.48	.66	.84
	1645	775	50.0	14.7	2.66	.47	.63	.80	47.0	13.8	3.00	.48	.65	.82	44.5	13.0	3.40	.48	.67	.85	41.0	12.0	3.86	.49	.69	.89

COOLING CAPACITY - TPA042S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-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	43.0	12.6	2.53	.78	.93	1.00	40.5	11.9	2.86	.80	.96	1.00	38.0	11.1	3.24	.82	.98	1.00	35.6	10.4	3.70	.85	1.00	1.00
	1400	660	43.5	12.7	2.54	.80	.95	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.25	.84	1.00	1.00	36.2	10.6	3.72	.88	1.00	1.00
	1580	745	44.5	13.0	2.56	.83	.99	1.00	42.0	12.3	2.89	.85	1.00	1.00	40.0	11.7	3.28	.88	1.00	1.00	37.4	11.0	3.75	.92	1.00	1.00
67°F (19°C)	1305	615	45.5	13.3	2.57	.61	.75	.90	43.0	12.6	2.90	.62	.78	.93	40.5	11.9	3.29	.63	.80	.96	37.6	11.0	3.76	.65	.83	.99
	1400	660	46.0	13.5	2.58	.62	.77	.92	43.5	12.7	2.92	.63	.79	.95	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.85	1.00
	1580	745	47.0	13.8	2.60	.64	.81	.96	44.5	13.0	2.93	.65	.83	.99	41.5	12.2	3.33	.67	.86	1.00	39.0	11.4	3.79	.69	.90	1.00
71°F (22°C)	1305	615	48.0	14.1	2.62	.45	.59	.73	45.5	13.3	2.95	.46	.61	.75	42.5	12.5	3.35	.46	.62	.78	40.0	11.7	3.82	.47	.64	.80
	1400	660	48.5	14.2	2.63	.46	.60	.75	46.0	13.5	2.97	.46	.62	.77	43.0	12.6	3.37	.47	.64	.80	40.0	11.7	3.83	.48	.66	.83
	1580	745	49.5	14.5	2.65	.47	.63	.78	47.0	13.8	2.99	.47	.64	.81	44.0	12.9	3.39	.48	.66	.84	41.0	12.0	3.86	.49	.68	.87

HEATING CAPACITY - TPA042S4 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	50.8	14.9	2.88	39.5	11.6	2.66	27.6	8.1	2.44	19.3	5.7	2.17	9.9	2.9	1.58
1645	775	51.5	15.1	2.79	40.2	11.8	2.57	28.3	8.3	2.35	20.0	5.9	2.08	10.6	3.1	1.49

HEATING CAPACITY - TPA042S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-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	50.7	14.9	2.91	39.4	11.5	2.69	27.6	8.1	2.45	19.2	5.6	2.18	9.9	2.9	1.59
1580	745	51.4	15.1	2.83	40.0	11.7	2.60	28.2	8.3	2.36	19.9	5.8	2.09	10.6	3.1	1.50

HEATING PERFORMANCE at 1440 cfm (680 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.88	50.8	14.9
60	16	2.83	48.1	14.1
55	13	2.78	45.5	13.3
50	10	2.73	42.8	12.5
47	8	2.70	41.2	12.1
45	7	2.66	39.5	11.6
40	4	2.58	35.0	10.3
35	2	2.50	30.5	8.9
30	-1	2.47	29.1	8.5
25	-4	2.44	27.6	8.1
20	-7	2.40	26.2	7.7
17	-8	2.39	25.3	7.4
15	-9	2.36	24.3	7.1
10	-12	2.31	21.6	6.3
5	-15	2.17	19.3	5.7
0	-18	2.02	16.9	5.0
-5	-21	1.87	14.6	4.3
-10	-23	1.73	12.3	3.6
-15	-26	1.58	9.9	2.9
-20	-29	1.43	7.6	2.2

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.91	50.7	14.9
60	16	2.86	48.1	14.1
55	13	2.81	45.4	13.3
50	10	2.75	42.8	12.5
47	8	2.72	41.2	12.1
45	7	2.69	39.4	11.5
40	4	2.60	34.9	10.2
35	2	2.51	30.5	8.9
30	-1	2.48	29.0	8.5
25	-4	2.45	27.6	8.1
20	-7	2.42	26.2	7.7
17	-8	2.40	25.3	7.4
15	-9	2.38	24.2	7.1
10	-12	2.32	21.6	6.3
5	-15	2.18	19.2	5.6
0	-18	2.03	16.9	5.0
-5	-21	1.88	14.6	4.3
-10	-23	1.73	12.2	3.6
-15	-26	1.59	9.9	2.9
-20	-29	1.44	7.6	2.2

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

COOLING CAPACITY - TPA042S4 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)	1360	640	43.0	12.6	2.53	.77	.92	1.00	40.5	11.9	2.86	.79	.95	1.00	38.0	11.1	3.24	.81	.98	1.00	35.4	10.4	3.70	.85	1.00	1.00
	1460	690	43.5	12.7	2.54	.79	.95	1.00	41.0	12.0	2.87	.81	.97	1.00	38.5	11.3	3.25	.83	1.00	1.00	36.2	10.6	3.72	.87	1.00	1.00
	1635	770	44.0	12.9	2.55	.82	.98	1.00	42.0	12.3	2.88	.84	1.00	1.00	39.5	11.6	3.27	.87	1.00	1.00	37.2	10.9	3.75	.90	1.00	1.00
67°F (19°C)	1360	640	45.5	13.3	2.57	.61	.75	.89	43.0	12.6	2.90	.62	.77	.92	40.5	11.9	3.30	.63	.79	.95	37.6	11.0	3.76	.65	.82	.98
	1460	690	46.0	13.5	2.58	.62	.77	.91	43.5	12.7	2.91	.63	.79	.94	41.0	12.0	3.31	.64	.81	.97	38.0	11.1	3.77	.66	.84	1.00
	1635	770	47.0	13.8	2.60	.64	.80	.95	44.5	13.0	2.93	.65	.82	.98	41.5	12.2	3.32	.66	.85	1.00	38.5	11.3	3.79	.68	.88	1.00
71°F (22°C)	1360	640	48.0	14.1	2.62	.46	.59	.73	45.5	13.3	2.95	.46	.60	.74	43.0	12.6	3.35	.47	.62	.77	40.0	11.7	3.82	.47	.64	.80
	1460	690	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.62	.76	43.5	12.7	3.37	.47	.63	.79	40.5	11.9	3.83	.48	.65	.82
	1635	770	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.47	.64	.80	44.0	12.9	3.39	.48	.65	.82	41.0	12.0	3.86	.49	.67	.86

COOLING CAPACITY - TPA042S4 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)	1360	640	43.0	12.6	2.54	.78	.93	1.00	41.0	12.0	2.86	.80	.96	1.00	38.5	11.3	3.25	.82	.99	1.00	35.8	10.5	3.71	.85	1.00	1.00
	1460	690	44.0	12.9	2.54	.79	.95	1.00	41.5	12.2	2.87	.82	.98	1.00	39.0	11.4	3.26	.84	1.00	1.00	36.6	10.7	3.73	.87	1.00	1.00
	1635	770	44.5	13.0	2.56	.83	.99	1.00	42.5	12.5	2.89	.85	1.00	1.00	40.0	11.7	3.29	.88	1.00	1.00	37.6	11.0	3.76	.91	1.00	1.00
67°F (19°C)	1360	640	46.0	13.5	2.58	.61	.75	.90	43.5	12.7	2.91	.62	.77	.92	41.0	12.0	3.31	.63	.80	.96	38.0	11.1	3.77	.65	.83	.99
	1460	690	46.5	13.6	2.59	.62	.77	.92	44.0	12.9	2.92	.63	.79	.95	41.5	12.2	3.32	.65	.82	.98	38.5	11.3	3.78	.67	.85	1.00
	1635	770	47.5	13.9	2.61	.64	.80	.96	45.0	13.2	2.94	.65	.83	.99	42.0	12.3	3.33	.67	.85	1.00	39.0	11.4	3.80	.69	.89	1.00
71°F (22°C)	1360	640	48.5	14.2	2.63	.46	.60	.73	46.0	13.5	2.97	.46	.61	.75	43.0	12.6	3.36	.47	.62	.77	40.5	11.9	3.83	.47	.64	.80
	1460	690	49.0	14.4	2.64	.46	.61	.75	46.5	13.6	2.98	.47	.62	.77	44.0	12.9	3.38	.47	.64	.80	40.5	11.9	3.85	.48	.65	.83
	1635	770	50.0	14.7	2.66	.47	.63	.78	47.5	13.9	3.00	.48	.64	.80	44.5	13.0	3.40	.48	.66	.83	41.5	12.2	3.87	.49	.68	.87

HEATING CAPACITY - TPA042S4 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	
1460	690	49.6	14.5	3.21	38.7	11.3	2.92	27.3	8.0	2.62	19.1	5.6	2.31	9.8	2.9	1.69
1635	770	50.3	14.7	3.11	39.3	11.5	2.83	27.9	8.2	2.53	19.8	5.8	2.21	10.5	3.1	1.59

HEATING CAPACITY - TPA042S4 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	
1460	690	49.9	14.6	3.14	38.9	11.4	2.86	27.3	8.0	2.58	19.2	5.6	2.27	9.9	2.9	1.66
1635	770	50.6	14.8	3.05	39.5	11.6	2.77	28.0	8.2	2.49	19.8	5.8	2.18	10.5	3.1	1.57

HEATING PERFORMANCE at 1460 cfm (690 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-48C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	49.6	14.5
60	16	3.14	47.1	13.8
55	13	3.07	44.5	13.0
50	10	3.01	41.9	12.3
47	8	2.97	40.4	11.8
45	7	2.92	38.7	11.3
40	4	2.82	34.3	10.1
35	2	2.71	30.0	8.8
30	-1	2.67	28.6	8.4
25	-4	2.62	27.3	8.0
20	-7	2.58	25.9	7.6
17	-8	2.56	25.0	7.3
15	-9	2.53	24.0	7.0
10	-12	2.46	21.4	6.3
5	-15	2.31	19.1	5.6
0	-18	2.15	16.8	4.9
-5	-21	2.00	14.5	4.2
-10	-23	1.84	12.2	3.6
-15	-26	1.69	9.8	2.9
-20	-29	1.53	7.5	2.2

HEATING PERFORMANCE at 1460 cfm (690 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-50/60C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.14	49.9	14.6
60	16	3.07	47.3	13.9
55	13	3.01	44.8	13.1
50	10	2.94	42.2	12.4
47	8	2.91	40.6	11.9
45	7	2.86	38.9	11.4
40	4	2.76	34.5	10.1
35	2	2.66	30.1	8.8
30	-1	2.62	28.7	8.4
25	-4	2.58	27.3	8.0
20	-7	2.54	25.9	7.6
17	-8	2.52	25.1	7.4
15	-9	2.49	24.1	7.1
10	-12	2.42	21.5	6.3
5	-15	2.27	19.2	5.6
0	-18	2.12	16.8	4.9
-5	-21	1.97	14.5	4.2
-10	-23	1.82	12.2	3.6
-15	-26	1.66	9.9	2.9
-20	-29	1.51	7.5	2.2

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

COOLING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G60UHV-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)	1295	610	43.0	12.6	2.53	.77	.92	1.00	40.5	11.9	2.86	.79	.94	1.00	38.0	11.1	3.24	.81	.97	1.00	35.4	10.4	3.70	.84	1.00	1.00
	1395	660	43.5	12.7	2.54	.78	.94	1.00	41.0	12.0	2.87	.80	.97	1.00	38.5	11.3	3.26	.83	1.00	1.00	36.2	10.6	3.72	.86	1.00	1.00
	1595	755	44.5	13.0	2.56	.82	.98	1.00	42.0	12.3	2.89	.84	1.00	1.00	40.0	11.7	3.28	.87	1.00	1.00	37.4	11.0	3.75	.91	1.00	1.00
67°F (19°C)	1295	610	45.5	13.3	2.57	.61	.74	.88	43.0	12.6	2.90	.61	.76	.91	40.5	11.9	3.30	.63	.78	.94	37.6	11.0	3.76	.64	.81	.98
	1395	660	46.0	13.5	2.58	.62	.76	.91	43.5	12.7	2.92	.63	.78	.93	41.0	12.0	3.31	.64	.81	.97	38.0	11.1	3.77	.66	.84	1.00
	1595	755	47.0	13.8	2.60	.64	.80	.95	44.5	13.0	2.94	.65	.82	.98	42.0	12.3	3.33	.66	.85	1.00	39.0	11.4	3.80	.68	.88	1.00
71°F (22°C)	1295	610	48.0	14.1	2.62	.46	.59	.72	45.5	13.3	2.96	.46	.60	.74	43.0	12.6	3.35	.46	.61	.76	40.0	11.7	3.82	.47	.63	.79
	1395	660	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.61	.76	43.5	12.7	3.37	.47	.63	.78	40.5	11.9	3.84	.47	.65	.81
	1595	755	50.0	14.7	2.66	.47	.62	.77	47.0	13.8	3.00	.47	.64	.80	44.5	13.0	3.40	.48	.65	.82	41.5	12.2	3.87	.49	.67	.86

COOLING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-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	42.5	12.5	2.53	.76	.91	1.00	40.5	11.9	2.86	.78	.94	1.00	38.0	11.1	3.24	.80	.97	1.00	35.4	10.4	3.70	.83	1.00	1.00
	1440	680	43.5	12.7	2.54	.79	.95	1.00	41.5	12.2	2.87	.81	.98	1.00	39.0	11.4	3.26	.84	1.00	1.00	36.4	10.7	3.72	.87	1.00	1.00
	1605	760	44.5	13.0	2.56	.82	.99	1.00	42.0	12.3	2.89	.84	1.00	1.00	40.0	11.7	3.28	.87	1.00	1.00	37.6	11.0	3.75	.91	1.00	1.00
67°F (19°C)	1275	600	45.5	13.3	2.57	.60	.74	.88	43.0	12.6	2.90	.61	.76	.90	40.5	11.9	3.29	.62	.78	.93	37.6	11.0	3.76	.64	.81	.97
	1440	680	46.5	13.6	2.59	.62	.77	.92	44.0	12.9	2.92	.63	.79	.95	41.0	12.0	3.32	.64	.81	.98	38.5	11.3	3.77	.66	.85	1.00
	1605	760	47.0	13.8	2.60	.64	.80	.95	44.5	13.0	2.94	.65	.82	.98	42.0	12.3	3.33	.66	.85	1.00	39.0	11.4	3.80	.69	.88	1.00
71°F (22°C)	1275	600	48.0	14.1	2.62	.46	.59	.72	45.5	13.3	2.95	.46	.60	.73	42.5	12.5	3.35	.46	.61	.76	40.0	11.7	3.82	.47	.63	.78
	1440	680	49.0	14.4	2.64	.46	.61	.75	46.5	13.6	2.98	.47	.62	.77	43.5	12.7	3.38	.47	.63	.79	40.5	11.9	3.85	.48	.65	.82
	1605	760	50.0	14.7	2.66	.47	.62	.78	47.0	13.8	3.00	.47	.64	.80	44.5	13.0	3.40	.48	.65	.82	41.5	12.2	3.87	.49	.68	.86

HEATING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G60UHV-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	
1395	660	49.7	14.6	3.18	38.7	11.3	2.90	27.2	8.0	2.61	19.1	5.6	2.30	9.8	2.9	1.68
1595	755	50.4	14.8	3.07	39.4	11.5	2.79	28.0	8.2	2.50	19.8	5.8	2.19	10.6	3.1	1.57

HEATING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-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	
1440	680	50.0	14.7	3.15	39.0	11.4	2.87	27.5	8.1	2.59	19.3	5.7	2.28	9.9	2.9	1.67
1605	760	50.7	14.9	3.06	39.6	11.6	2.78	28.1	8.2	2.49	19.9	5.8	2.18	10.5	3.1	1.57

HEATING PERFORMANCE at 1395 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-50/60C-2F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.18	49.7	14.6
60	16	3.12	47.1	13.8
55	13	3.05	44.5	13.0
50	10	2.98	42.0	12.3
47	8	2.94	40.4	11.8
45	7	2.90	38.7	11.3
40	4	2.80	34.4	10.1
35	2	2.69	30.0	8.8
30	-1	2.65	28.6	8.4
25	-4	2.61	27.2	8.0
20	-7	2.57	25.9	7.6
17	-8	2.55	25.0	7.3
15	-9	2.52	24.0	7.0
10	-12	2.45	21.4	6.3
5	-15	2.30	19.1	5.6
0	-18	2.15	16.8	4.9
-5	-21	1.99	14.5	4.2
-10	-23	1.84	12.1	3.5
-15	-26	1.68	9.8	2.9
-20	-29	1.53	7.5	2.2

HEATING PERFORMANCE at 1440 cfm (680 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.15	50.0	14.7
60	16	3.09	47.4	13.9
55	13	3.02	44.9	13.2
50	10	2.96	42.3	12.4
47	8	2.92	40.7	11.9
45	7	2.87	39.0	11.4
40	4	2.77	34.6	10.1
35	2	2.67	30.3	8.9
30	-1	2.63	28.9	8.5
25	-4	2.59	27.5	8.1
20	-7	2.54	26.1	7.6
17	-8	2.52	25.2	7.4
15	-9	2.49	24.2	7.1
10	-12	2.43	21.6	6.3
5	-15	2.28	19.3	5.7
0	-18	2.12	16.9	5.0
-5	-21	1.97	14.6	4.3
-10	-23	1.82	12.2	3.6
-15	-26	1.67	9.9	2.9
-20	-29	1.51	7.6	2.2

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

COOLING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-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	43.0	12.6	2.53	.77	.91	1.00	40.5	11.9	2.86	.78	.94	1.00	38.0	11.1	3.24	.81	.97	1.00	35.4	10.4	3.70	.84	1.00	1.00
	1405	665	43.5	12.7	2.54	.79	.94	1.00	41.0	12.0	2.87	.81	.97	1.00	38.5	11.3	3.26	.83	1.00	1.00	36.2	10.6	3.72	.86	1.00	1.00
	1605	760	44.5	13.0	2.56	.82	.99	1.00	42.0	12.3	2.89	.84	1.00	1.00	40.0	11.7	3.28	.87	1.00	1.00	37.6	11.0	3.75	.91	1.00	1.00
67°F (19°C)	1290	610	45.5	13.3	2.57	.60	.74	.88	43.0	12.6	2.90	.61	.76	.91	40.5	11.9	3.30	.63	.78	.94	37.6	11.0	3.76	.64	.81	.97
	1405	665	46.0	13.5	2.58	.62	.76	.91	43.5	12.7	2.92	.63	.78	.94	41.0	12.0	3.31	.64	.81	.97	38.0	11.1	3.77	.66	.84	1.00
	1605	760	47.0	13.8	2.60	.64	.80	.96	44.5	13.0	2.94	.65	.82	.98	42.0	12.3	3.33	.66	.85	1.00	39.0	11.4	3.80	.69	.88	1.00
71°F (22°C)	1290	610	48.0	14.1	2.62	.46	.59	.72	45.5	13.3	2.95	.46	.60	.74	43.0	12.6	3.35	.46	.61	.76	40.0	11.7	3.82	.47	.63	.79
	1405	665	49.0	14.4	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.61	.76	43.5	12.7	3.37	.47	.63	.78	40.5	11.9	3.84	.48	.65	.81
	1605	760	50.0	14.7	2.66	.47	.62	.78	47.0	13.8	3.00	.48	.64	.80	44.5	13.0	3.40	.48	.65	.82	41.5	12.2	3.87	.49	.68	.86

COOLING CAPACITY - TPA042S4 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	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.93	1.00	37.8	11.1	3.24	.80	.96	1.00	35.0	10.3	3.69	.83	1.00	1.00
	1430	675	43.5	12.7	2.54	.79	.94	1.00	41.0	12.0	2.87	.81	.97	1.00	38.5	11.3	3.26	.83	1.00	1.00	36.2	10.6	3.72	.86	1.00	1.00
	1575	745	44.0	12.9	2.55	.81	.98	1.00	42.0	12.3	2.88	.83	1.00	1.00	39.5	11.6	3.27	.86	1.00	1.00	37.2	10.9	3.74	.90	1.00	1.00
67°F (19°C)	1275	600	45.0	13.2	2.57	.60	.74	.87	42.5	12.5	2.90	.61	.76	.90	40.0	11.7	3.29	.62	.78	.93	37.4	11.0	3.75	.64	.81	.97
	1430	675	46.0	13.5	2.58	.62	.76	.91	43.5	12.7	2.92	.63	.79	.94	41.0	12.0	3.31	.64	.81	.97	38.0	11.1	3.77	.66	.84	1.00
	1575	745	47.0	13.8	2.60	.63	.79	.94	44.5	13.0	2.93	.64	.81	.97	41.5	12.2	3.32	.66	.84	1.00	38.5	11.3	3.79	.68	.87	1.00
71°F (22°C)	1275	600	47.5	13.9	2.61	.46	.59	.71	45.0	13.2	2.95	.46	.60	.73	42.5	12.5	3.35	.46	.61	.76	39.5	11.6	3.81	.47	.63	.78
	1430	675	48.5	14.2	2.64	.46	.60	.74	46.0	13.5	2.97	.47	.62	.76	43.5	12.7	3.37	.47	.63	.79	40.5	11.9	3.84	.48	.65	.82
	1575	745	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.47	.63	.79	44.0	12.9	3.39	.48	.65	.82	41.0	12.0	3.86	.49	.67	.85

HEATING CAPACITY - TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-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	
1405	660	49.8	14.6	3.18	38.8	11.4	2.90	27.3	8.0	2.61	19.1	5.6	2.30	9.8	2.9	1.68
1605	760	50.6	14.8	3.06	39.6	11.6	2.78	28.1	8.2	2.49	20.0	5.9	2.18	10.7	3.1	1.57

HEATING CAPACITY - TPA042S4 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	
1430	675	49.4	14.5	3.19	38.5	11.3	2.91	27.0	7.9	2.61	18.9	5.5	2.29	9.7	2.8	1.68
1575	745	49.9	14.6	3.11	39.0	11.4	2.82	27.5	8.1	2.52	19.4	5.7	2.21	10.2	3.0	1.59

HEATING PERFORMANCE at 1405 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.18	49.8	14.6
60	16	3.11	47.2	13.8
55	13	3.05	44.6	13.1
50	10	2.98	42.1	12.3
47	8	2.94	40.5	11.9
45	7	2.90	38.8	11.4
40	4	2.79	34.4	10.1
35	2	2.69	30.1	8.8
30	-1	2.65	28.7	8.4
25	-4	2.61	27.3	8.0
20	-7	2.57	25.9	7.6
17	-8	2.54	25.1	7.4
15	-9	2.52	24.0	7.0
10	-12	2.45	21.5	6.3
5	-15	2.30	19.1	5.6
0	-18	2.14	16.8	4.9
-5	-21	1.99	14.5	4.2
-10	-23	1.84	12.2	3.6
-15	-26	1.68	9.8	2.9
-20	-29	1.53	7.5	2.2

HEATING PERFORMANCE at 1430 cfm (675 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-60D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	49.4	14.5
60	16	3.12	46.9	13.7
55	13	3.06	44.3	13.0
50	10	2.99	41.7	12.2
47	8	2.95	40.2	11.8
45	7	2.91	38.5	11.3
40	4	2.80	34.1	10.0
35	2	2.69	29.8	8.7
30	-1	2.65	28.4	8.3
25	-4	2.61	27.0	7.9
20	-7	2.56	25.6	7.5
17	-8	2.54	24.8	7.3
15	-9	2.51	23.7	6.9
10	-12	2.44	21.2	6.2
5	-15	2.29	18.9	5.5
0	-18	2.14	16.6	4.9
-5	-21	1.98	14.3	4.2
-10	-23	1.83	12.0	3.5
-15	-26	1.68	9.7	2.8
-20	-29	1.52	7.4	2.2

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

COOLING CAPACITY - TPA042S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-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	42.5	12.5	2.53	.77	.92	1.00	40.5	11.9	2.86	.79	.94	1.00	38.0	11.1	3.24	.81	.97	1.00	35.2	10.3	3.70	.84	1.00	1.00
	1400	660	43.5	12.7	2.54	.78	.94	1.00	41.0	12.0	2.86	.80	.97	1.00	38.5	11.3	3.25	.83	.99	1.00	36.0	10.6	3.71	.86	1.00	1.00
	1580	745	44.0	12.9	2.55	.81	.98	1.00	42.0	12.3	2.88	.84	1.00	1.00	39.5	11.6	3.28	.86	1.00	1.00	37.2	10.9	3.74	.90	1.00	1.00
67°F (19°C)	1305	615	45.5	13.3	2.57	.60	.74	.88	43.0	12.6	2.90	.62	.76	.91	40.5	11.9	3.29	.63	.79	.94	37.6	11.0	3.76	.64	.81	.98
	1400	660	46.0	13.5	2.58	.61	.76	.90	43.5	12.7	2.91	.63	.78	.93	41.0	12.0	3.30	.64	.80	.96	38.0	11.1	3.77	.66	.83	1.00
	1580	745	47.0	13.8	2.60	.63	.79	.95	44.5	13.0	2.93	.64	.81	.97	41.5	12.2	3.32	.66	.84	1.00	38.5	11.3	3.79	.68	.87	1.00
71°F (22°C)	1305	615	48.0	14.1	2.62	.46	.59	.72	45.5	13.3	2.95	.46	.60	.74	43.0	12.6	3.35	.47	.61	.76	40.0	11.7	3.82	.47	.63	.79
	1400	660	48.5	14.2	2.63	.46	.60	.74	46.0	13.5	2.97	.47	.61	.76	43.5	12.7	3.37	.47	.63	.78	40.5	11.9	3.84	.48	.65	.81
	1580	745	49.5	14.5	2.65	.47	.62	.77	47.0	13.8	2.99	.47	.63	.79	44.0	12.9	3.39	.48	.65	.82	41.0	12.0	3.86	.49	.67	.85

HEATING CAPACITY - TPA042S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-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	49.4	14.5	3.20	38.5	11.3	2.91	27.1	7.9	2.62	18.9	5.5	2.30	9.7	2.8	1.68
1580	745	50.1	14.7	3.11	39.1	11.5	2.82	27.7	8.1	2.52	19.6	5.7	2.20	10.4	3.0	1.59

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume TPA042S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.20	49.4	14.5
60	16	3.13	46.9	13.7
55	13	3.07	44.3	13.0
50	10	3.00	41.8	12.3
47	8	2.96	40.2	11.8
45	7	2.91	38.5	11.3
40	4	2.81	34.2	10.0
35	2	2.71	29.8	8.7
30	-1	2.66	28.5	8.4
25	-4	2.62	27.1	7.9
20	-7	2.57	25.7	7.5
17	-8	2.55	24.8	7.3
15	-9	2.52	23.8	7.0
10	-12	2.45	21.2	6.2
5	-15	2.30	18.9	5.5
0	-18	2.15	16.6	4.9
-5	-21	1.99	14.3	4.2
-10	-23	1.84	12.0	3.5
-15	-26	1.68	9.7	2.8
-20	-29	1.53	7.4	2.2

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

COOLING CAPACITY - TPA048S4 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	47.5	13.9	3.03	.75	.89	1.00	45.0	13.2	3.43	.77	.92	1.00	42.5	12.5	3.88	.79	.94	1.00	40.0	11.7	4.40	.81	.97	1.00
(17°C)	1600	755	48.5	14.2	3.04	.78	.94	1.00	46.5	13.6	3.44	.80	.96	1.00	44.0	12.9	3.89	.82	.98	1.00	41.0	12.0	4.41	.85	1.00	1.00
67°F	1400	660	50.0	14.7	3.04	.60	.73	.86	48.0	14.1	3.45	.60	.75	.88	45.5	13.3	3.90	.62	.76	.91	42.5	12.5	4.41	.63	.79	.94
(19°C)	1600	755	51.5	15.1	3.05	.61	.76	.90	49.0	14.4	3.46	.62	.78	.93	46.5	13.6	3.91	.64	.80	.96	43.5	12.7	4.42	.65	.83	.98
71°F	1400	660	53.0	15.5	3.06	.45	.58	.71	50.5	14.8	3.47	.46	.59	.72	48.0	14.1	3.93	.46	.60	.74	45.0	13.2	4.44	.46	.62	.76
(22°C)	1600	755	54.5	16.0	3.06	.46	.60	.74	51.5	15.1	3.48	.46	.61	.76	49.0	14.4	3.94	.47	.62	.78	46.0	13.5	4.45	.47	.64	.80

COOLING CAPACITY - TPA048S4 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	45.0	13.2	3.02	.73	.85	.97	43.0	12.6	3.42	.74	.87	.99	41.0	12.0	3.86	.76	.89	1.00	38.5	11.3	4.38	.78	.92	1.00
(17°C)	1600	755	47.5	13.9	3.03	.77	.91	1.00	45.5	13.3	3.43	.79	.94	1.00	43.5	12.7	3.89	.81	.96	1.00	41.0	12.0	4.40	.84	.99	1.00
67°F	1260	595	47.5	13.9	3.03	.59	.71	.82	45.5	13.3	3.44	.60	.72	.84	43.5	12.7	3.89	.60	.74	.86	41.0	12.0	4.40	.62	.76	.89
(19°C)	1600	755	50.5	14.8	3.04	.62	.75	.88	48.0	14.1	3.45	.63	.77	.91	45.5	13.3	3.90	.64	.79	.94	43.0	12.6	4.42	.65	.81	.96
71°F	1260	595	50.0	14.7	3.04	.45	.57	.69	48.0	14.1	3.46	.46	.58	.70	45.5	13.3	3.91	.46	.59	.71	43.0	12.6	4.42	.46	.60	.73
(22°C)	1600	755	53.0	15.5	3.05	.46	.60	.73	50.5	14.8	3.47	.47	.61	.75	48.0	14.1	3.93	.47	.63	.77	45.0	13.2	4.44	.48	.64	.79

HEATING CAPACITY - TPA048S4 with [CB29M-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	
1400	660	54.5	16.0	3.50	43.0	12.6	3.25	30.8	9.0	2.99	22.8	6.7	2.65	11.2	3.3	1.97
1800	850	56.4	16.5	3.29	44.8	13.1	3.04	32.6	9.6	2.78	24.7	7.2	2.44	13.0	3.8	1.75

HEATING CAPACITY - TPA048S4 with [CB29M-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 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	54.2	15.9	3.50	42.7	12.5	3.25	30.5	8.9	2.99	22.6	6.6	2.65	11.0	3.2	1.97
1600	755	55.1	16.1	3.38	43.6	12.8	3.13	31.4	9.2	2.87	23.5	6.9	2.53	11.9	3.5	1.84
1800	850	56.2	16.5	3.29	44.7	13.1	3.04	32.5	9.5	2.78	24.5	7.2	2.44	13.0	3.8	1.75

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CB29M-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.38	55.4	16.2
60	16	3.32	52.7	15.4
55	13	3.26	50.1	14.7
50	10	3.20	47.5	13.9
47	8	3.16	45.9	13.5
45	7	3.13	43.8	12.8
40	4	3.06	38.6	11.3
35	2	2.98	33.3	9.8
30	-1	2.93	32.5	9.5
25	-4	2.87	31.6	9.3
20	-7	2.82	30.8	9.0
17	-8	2.79	30.3	8.9
15	-9	2.76	29.2	8.6
10	-12	2.70	26.6	7.8
5	-15	2.53	23.7	6.9
0	-18	2.36	20.8	6.1
-5	-21	2.19	17.8	5.2
-10	-23	2.02	14.9	4.4
-15	-26	1.84	12.0	3.5
-20	-29	1.67	9.1	2.7

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CB29M-65]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.38	55.1	16.1
60	16	3.32	52.5	15.4
55	13	3.26	49.9	14.6
50	10	3.20	47.3	13.9
47	8	3.16	45.7	13.4
45	7	3.13	43.6	12.8
40	4	3.06	38.4	11.3
35	2	2.98	33.1	9.7
30	-1	2.93	32.3	9.5
25	-4	2.87	31.4	9.2
20	-7	2.82	30.6	9.0
17	-8	2.79	30.0	8.8
15	-9	2.76	29.0	8.5
10	-12	2.70	26.4	7.7
5	-15	2.53	23.5	6.9
0	-18	2.36	20.6	6.0
-5	-21	2.19	17.7	5.2
-10	-23	2.02	14.8	4.3
-15	-26	1.84	11.9	3.5
-20	-29	1.67	9.0	2.6

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

COOLING CAPACITY - TPA048S4 with [CBX26UH-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	48.0	14.1	3.03	.75	.89	1.00	45.5	13.3	3.43	.76	.91	1.00	43.0	12.6	3.89	.78	.93	1.00	40.5	11.9	4.40	.80	.97	1.00
	1600	755	49.5	14.5	3.04	.78	.93	1.00	47.0	13.8	3.44	.79	.95	1.00	44.5	13.0	3.90	.82	.98	1.00	41.5	12.2	4.41	.84	1.00	1.00
	1780	840	50.5	14.8	3.04	.80	.96	1.00	48.0	14.1	3.45	.82	.99	1.00	45.5	13.3	3.91	.85	1.00	1.00	43.0	12.6	4.42	.88	1.00	1.00
67°F (19°C)	1400	660	51.0	14.9	3.05	.59	.73	.85	48.5	14.2	3.46	.60	.74	.87	46.0	13.5	3.91	.61	.76	.90	43.0	12.6	4.43	.63	.78	.93
	1600	755	52.5	15.4	3.05	.61	.75	.89	49.5	14.5	3.47	.62	.77	.92	47.0	13.8	3.92	.63	.79	.95	44.0	12.9	4.43	.65	.82	.98
	1780	840	53.0	15.5	3.05	.63	.78	.93	50.5	14.8	3.47	.64	.80	.96	48.0	14.1	3.93	.65	.82	.98	44.5	13.0	4.44	.67	.85	1.00
71°F (22°C)	1400	660	53.5	15.7	3.05	.45	.58	.70	51.0	14.9	3.48	.46	.59	.72	48.5	14.2	3.93	.46	.60	.73	45.5	13.3	4.44	.47	.61	.76
	1600	755	55.0	16.1	3.06	.46	.60	.73	52.5	15.4	3.48	.46	.61	.75	49.5	14.5	3.94	.47	.62	.77	46.5	13.6	4.45	.48	.64	.80
	1780	840	56.5	16.6	3.06	.47	.61	.76	53.5	15.7	3.49	.47	.63	.78	50.5	14.8	3.95	.48	.64	.80	47.5	13.9	4.47	.48	.66	.83

COOLING CAPACITY - TPA048S4 with [CBX26UH-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)	1380	650	48.0	14.1	3.03	.74	.88	1.00	45.5	13.3	3.43	.75	.90	1.00	43.0	12.6	3.89	.77	.92	1.00	40.5	11.9	4.40	.80	.96	1.00
	1600	755	49.5	14.5	3.04	.77	.92	1.00	47.0	13.8	3.45	.79	.95	1.00	44.5	13.0	3.90	.81	.97	1.00	41.5	12.2	4.41	.84	1.00	1.00
	1800	850	50.5	14.8	3.04	.80	.96	1.00	48.0	14.1	3.45	.82	.99	1.00	45.5	13.3	3.91	.84	1.00	1.00	43.0	12.6	4.42	.87	1.00	1.00
67°F (19°C)	1380	650	51.0	14.9	3.05	.59	.72	.84	48.5	14.2	3.46	.59	.73	.86	45.5	13.3	3.91	.61	.75	.89	43.0	12.6	4.42	.62	.77	.92
	1600	755	52.5	15.4	3.05	.61	.75	.89	49.5	14.5	3.47	.61	.77	.91	47.0	13.8	3.92	.63	.79	.94	44.0	12.9	4.43	.64	.81	.98
	1800	850	53.5	15.7	3.06	.62	.78	.93	50.5	14.8	3.47	.64	.80	.95	48.0	14.1	3.93	.65	.82	.98	45.0	13.2	4.44	.66	.85	1.00
71°F (22°C)	1380	650	53.5	15.7	3.06	.45	.57	.69	51.0	14.9	3.47	.45	.58	.71	48.5	14.2	3.93	.45	.59	.72	45.5	13.3	4.44	.46	.60	.75
	1600	755	55.0	16.1	3.06	.46	.59	.72	52.5	15.4	3.49	.46	.60	.74	49.5	14.5	3.94	.46	.61	.76	46.5	13.6	4.46	.47	.63	.79
	1800	850	56.5	16.6	3.06	.46	.61	.76	53.5	15.7	3.49	.47	.62	.78	50.5	14.8	3.96	.48	.64	.80	47.5	13.9	4.47	.48	.65	.83

HEATING CAPACITY - TPA048S4 with [CBX26UH-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	54.4	15.9	3.41	42.7	12.5	3.17	30.3	8.9	2.93	22.3	6.5	2.60	11.0	3.2	1.93
1600	755	55.1	16.1	3.29	43.4	12.7	3.05	31.0	9.1	2.81	22.9	6.7	2.48	11.7	3.4	1.81
1780	840	55.8	16.4	3.20	44.0	12.9	2.97	31.6	9.3	2.73	23.6	6.9	2.40	12.3	3.6	1.72

HEATING CAPACITY - TPA048S4 with [CBX26UH-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	
1380	650	54.6	16.0	3.37	42.8	12.5	3.14	30.4	8.9	2.91	22.3	6.5	2.59	11.0	3.2	1.92
1600	755	55.3	16.2	3.23	43.6	12.8	3.00	31.1	9.1	2.77	23.0	6.7	2.44	11.7	3.4	1.78
1800	850	55.9	16.4	3.14	44.2	13.0	2.92	31.7	9.3	2.68	23.7	6.9	2.36	12.3	3.6	1.69

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CBX26UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.29	55.1	16.1
60	16	3.23	52.4	15.4
55	13	3.17	49.7	14.6
50	10	3.12	47.1	13.8
47	8	3.08	45.5	13.3
45	7	3.05	43.4	12.7
40	4	2.99	38.1	11.2
35	2	2.92	32.8	9.6
30	-1	2.87	31.9	9.3
25	-4	2.81	31.0	9.1
20	-7	2.76	30.0	8.8
17	-8	2.73	29.5	8.6
15	-9	2.71	28.4	8.3
10	-12	2.65	25.8	7.6
5	-15	2.48	22.9	6.7
0	-18	2.32	20.1	5.9
-5	-21	2.15	17.3	5.1
-10	-23	1.98	14.5	4.2
-15	-26	1.81	11.7	3.4
-20	-29	1.64	8.8	2.6

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CBX26UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.23	55.3	16.2
60	16	3.18	52.6	15.4
55	13	3.12	50.0	14.7
50	10	3.06	47.3	13.9
47	8	3.03	45.7	13.4
45	7	3.00	43.6	12.8
40	4	2.94	38.3	11.2
35	2	2.87	33.0	9.7
30	-1	2.82	32.0	9.4
25	-4	2.77	31.1	9.1
20	-7	2.72	30.2	8.9
17	-8	2.69	29.6	8.7
15	-9	2.67	28.5	8.4
10	-12	2.61	25.9	7.6
5	-15	2.44	23.0	6.7
0	-18	2.28	20.2	5.9
-5	-21	2.11	17.4	5.1
-10	-23	1.95	14.5	4.2
-15	-26	1.78	11.7	3.4
-20	-29	1.61	8.9	2.6

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

COOLING CAPACITY - TPA048S4 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	47.5	13.9	3.03	.75	.89	1.00	45.0	13.2	3.43	.77	.92	1.00	42.5	12.5	3.88	.79	.94	1.00	40.0	11.7	4.40	.81	.97	1.00
(17°C)	1600	755	48.5	14.2	3.04	.78	.94	1.00	46.5	13.6	3.44	.80	.96	1.00	44.0	12.9	3.89	.82	.98	1.00	41.0	12.0	4.41	.85	1.00	1.00
67°F	1400	660	50.0	14.7	3.04	.60	.73	.86	48.0	14.1	3.45	.60	.75	.88	45.5	13.3	3.90	.62	.76	.91	42.5	12.5	4.41	.63	.79	.94
(19°C)	1600	755	51.5	15.1	3.05	.61	.76	.90	49.0	14.4	3.46	.62	.78	.93	46.5	13.6	3.91	.64	.80	.96	43.5	12.7	4.42	.65	.83	.98
71°F	1400	660	53.0	15.5	3.06	.45	.58	.71	50.5	14.8	3.47	.46	.59	.72	48.0	14.1	3.93	.46	.60	.74	45.0	13.2	4.44	.46	.62	.76
(22°C)	1600	755	54.5	16.0	3.06	.46	.60	.74	51.5	15.1	3.48	.46	.61	.76	49.0	14.4	3.94	.47	.62	.78	46.0	13.5	4.45	.47	.64	.80

COOLING CAPACITY - TPA048S4 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	45.0	13.2	3.02	.73	.85	.97	43.0	12.6	3.42	.74	.87	.99	41.0	12.0	3.86	.76	.89	1.00	38.5	11.3	4.38	.78	.92	1.00
(17°C)	1600	755	47.5	13.9	3.03	.77	.91	1.00	45.5	13.3	3.43	.79	.94	1.00	43.5	12.7	3.89	.81	.96	1.00	41.0	12.0	4.40	.84	.99	1.00
67°F	1260	595	47.5	13.9	3.03	.59	.71	.82	45.5	13.3	3.44	.60	.72	.84	43.5	12.7	3.89	.60	.74	.86	41.0	12.0	4.40	.62	.76	.89
(19°C)	1600	755	50.5	14.8	3.04	.62	.75	.88	48.0	14.1	3.45	.63	.77	.91	45.5	13.3	3.90	.64	.79	.94	43.0	12.6	4.42	.65	.81	.96
71°F	1260	595	50.0	14.7	3.04	.45	.57	.69	48.0	14.1	3.46	.46	.58	.70	45.5	13.3	3.91	.46	.59	.71	43.0	12.6	4.42	.46	.60	.73
(22°C)	1600	755	53.0	15.5	3.05	.46	.60	.73	50.5	14.8	3.47	.47	.61	.75	48.0	14.1	3.93	.47	.63	.77	45.0	13.2	4.44	.48	.64	.79

HEATING CAPACITY - TPA048S4 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	54.3	15.9	3.31	42.5	12.5	3.08	30.1	8.8	2.86	22.0	6.4	2.54	10.8	3.2	1.88
1600	755	55.2	16.2	3.19	43.4	12.7	2.97	30.9	9.1	2.75	22.9	6.7	2.43	11.7	3.4	1.77

HEATING CAPACITY - TPA048S4 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	53.5	15.7	3.43	41.7	12.2	3.21	29.2	8.6	2.99	21.2	6.2	2.67	10.1	3.0	2.00
1600	755	55.0	16.1	3.22	43.2	12.7	3.00	30.8	9.0	2.78	22.7	6.7	2.46	11.6	3.4	1.79

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	55.1	16.1
60	16	3.14	52.4	15.4
55	13	3.08	49.7	14.6
50	10	3.03	47.0	13.8
47	8	3.00	45.4	13.3
45	7	2.97	43.3	12.7
40	4	2.91	38.0	11.1
35	2	2.84	32.7	9.6
30	-1	2.79	31.8	9.3
25	-4	2.75	30.8	9.0
20	-7	2.70	29.9	8.8
17	-8	2.67	29.3	8.6
15	-9	2.65	28.3	8.3
10	-12	2.59	25.6	7.5
5	-15	2.43	22.8	6.7
0	-18	2.26	20.0	5.9
-5	-21	2.10	17.2	5.0
-10	-23	1.93	14.4	4.2
-15	-26	1.77	11.6	3.4
-20	-29	1.60	8.8	2.6

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	55.0	16.1
60	16	3.17	52.3	15.3
55	13	3.12	49.6	14.5
50	10	3.06	46.9	13.7
47	8	3.03	45.3	13.3
45	7	3.00	43.2	12.7
40	4	2.94	37.9	11.1
35	2	2.87	32.6	9.6
30	-1	2.82	31.7	9.3
25	-4	2.78	30.8	9.0
20	-7	2.73	29.8	8.7
17	-8	2.70	29.3	8.6
15	-9	2.68	28.2	8.3
10	-12	2.63	25.5	7.5
5	-15	2.46	22.7	6.7
0	-18	2.29	19.9	5.8
-5	-21	2.13	17.1	5.0
-10	-23	1.96	14.4	4.2
-15	-26	1.79	11.6	3.4
-20	-29	1.62	8.8	2.6

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

COOLING CAPACITY - TPA048S4 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	47.5	13.9	3.03	.75	.89	1.00	45.0	13.2	3.43	.77	.92	1.00	42.5	12.5	3.88	.79	.94	1.00	40.0	11.7	4.40	.81	.97	1.00
	1580	745	48.5	14.2	3.04	.78	.93	1.00	46.0	13.5	3.44	.80	.96	1.00	43.5	12.7	3.89	.82	.98	1.00	41.0	12.0	4.41	.85	1.00	1.00
	1780	840	49.5	14.5	3.04	.81	.97	1.00	47.5	13.9	3.45	.83	.99	1.00	45.0	13.2	3.90	.85	1.00	1.00	42.5	12.5	4.41	.88	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	3.04	.60	.73	.86	48.0	14.1	3.45	.60	.74	.88	45.5	13.3	3.91	.62	.76	.91	42.5	12.5	4.41	.63	.79	.94
	1580	745	51.5	15.1	3.05	.61	.76	.90	49.0	14.4	3.46	.62	.78	.93	46.0	13.5	3.91	.63	.80	.95	43.5	12.7	4.42	.65	.82	.98
	1780	840	52.5	15.4	3.05	.63	.79	.94	50.0	14.7	3.46	.64	.81	.97	47.0	13.8	3.92	.66	.83	.99	44.5	13.0	4.44	.67	.86	1.00
71°F (22°C)	1400	660	53.0	15.5	3.05	.45	.58	.71	50.5	14.8	3.47	.45	.59	.72	47.5	13.9	3.93	.46	.60	.74	45.0	13.2	4.43	.46	.62	.76
	1580	745	54.0	15.8	3.06	.46	.60	.73	51.5	15.1	3.48	.46	.61	.75	49.0	14.4	3.93	.47	.62	.77	46.0	13.5	4.44	.47	.64	.80
	1780	840	55.5	16.3	3.06	.47	.62	.77	52.5	15.4	3.48	.47	.63	.79	50.0	14.7	3.94	.48	.64	.81	46.5	13.6	4.46	.48	.66	.84

COOLING CAPACITY - TPA048S4 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)	1425	675	47.5	13.9	3.03	.76	.90	1.00	45.5	13.3	3.43	.77	.92	1.00	43.0	12.6	3.88	.79	.95	1.00	40.0	11.7	4.40	.82	.98	1.00
	1625	765	49.0	14.4	3.04	.79	.94	1.00	46.5	13.6	3.44	.81	.97	1.00	44.0	12.9	3.89	.83	.99	1.00	41.5	12.2	4.41	.85	1.00	1.00
	1805	850	50.0	14.7	3.04	.81	.97	1.00	47.5	13.9	3.45	.83	.99	1.00	45.0	13.2	3.90	.86	1.00	1.00	42.5	12.5	4.41	.89	1.00	1.00
67°F (19°C)	1425	675	50.5	14.8	3.04	.60	.73	.87	48.0	14.1	3.45	.61	.75	.89	45.5	13.3	3.90	.62	.77	.92	42.5	12.5	4.41	.63	.79	.95
	1625	765	51.5	15.1	3.05	.62	.76	.91	49.0	14.4	3.46	.63	.78	.94	46.5	13.6	3.91	.64	.80	.96	43.5	12.7	4.42	.66	.83	.99
	1805	850	52.5	15.4	3.05	.63	.79	.95	50.0	14.7	3.47	.64	.81	.97	47.5	13.9	3.92	.66	.84	.99	44.5	13.0	4.44	.68	.87	1.00
71°F (22°C)	1425	675	53.0	15.5	3.06	.45	.58	.71	50.5	14.8	3.47	.46	.59	.73	48.0	14.1	3.93	.46	.60	.75	45.0	13.2	4.44	.46	.62	.77
	1625	765	54.5	16.0	3.06	.46	.60	.74	52.0	15.2	3.48	.46	.61	.76	49.0	14.4	3.93	.47	.63	.78	46.0	13.5	4.44	.48	.64	.81
	1805	850	55.5	16.3	3.06	.47	.62	.77	52.5	15.4	3.48	.47	.63	.79	50.0	14.7	3.94	.48	.65	.81	47.0	13.8	4.46	.49	.67	.84

HEATING CAPACITY - TPA048S4 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	
1400	660	54.7	16.0	3.32	42.9	12.6	3.09	30.4	8.9	2.86	22.2	6.5	2.54	10.9	3.2	1.87
1580	745	55.6	16.3	3.22	43.8	12.8	2.99	31.2	9.1	2.76	23.1	6.8	2.44	11.8	3.5	1.77
1780	840	56.2	16.5	3.13	44.3	13.0	2.90	31.8	9.3	2.67	23.7	6.9	2.35	12.3	3.6	1.68

HEATING CAPACITY - TPA048S4 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	
1425	675	54.6	16.0	3.30	42.8	12.5	3.08	30.2	8.9	2.86	22.1	6.5	2.54	10.9	3.2	1.88
1625	765	55.4	16.2	3.19	43.6	12.8	2.97	31.0	9.1	2.74	22.9	6.7	2.43	11.7	3.4	1.77
1805	850	56.2	16.5	3.11	44.4	13.0	2.89	31.9	9.3	2.67	23.7	6.9	2.35	12.5	3.7	1.69

HEATING PERFORMANCE at 1580 cfm (745 L/s) Indoor Coil Air Volume TPA048S4 with [CBX32M-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	55.6	16.3
60	16	3.17	52.9	15.5
55	13	3.11	50.2	14.7
50	10	3.05	47.5	13.9
47	8	3.02	45.9	13.5
45	7	2.99	43.8	12.8
40	4	2.92	38.4	11.3
35	2	2.86	33.1	9.7
30	-1	2.81	32.2	9.4
25	-4	2.76	31.2	9.1
20	-7	2.71	30.3	8.9
17	-8	2.68	29.7	8.7
15	-9	2.66	28.7	8.4
10	-12	2.60	26.0	7.6
5	-15	2.44	23.1	6.8
0	-18	2.27	20.3	5.9
-5	-21	2.10	17.4	5.1
-10	-23	1.94	14.6	4.3
-15	-26	1.77	11.8	3.5
-20	-29	1.61	8.9	2.6

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume TPA048S4 with [CBX32MV-048] [CBX40UHV-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	55.4	16.2
60	16	3.13	52.7	15.4
55	13	3.08	50.0	14.7
50	10	3.03	47.3	13.9
47	8	2.99	45.7	13.4
45	7	2.97	43.6	12.8
40	4	2.90	38.3	11.2
35	2	2.84	32.9	9.6
30	-1	2.79	32.0	9.4
25	-4	2.74	31.0	9.1
20	-7	2.70	30.1	8.8
17	-8	2.67	29.5	8.6
15	-9	2.64	28.4	8.3
10	-12	2.59	25.7	7.5
5	-15	2.43	22.9	6.7
0	-18	2.26	20.1	5.9
-5	-21	2.10	17.3	5.1
-10	-23	1.93	14.5	4.2
-15	-26	1.77	11.7	3.4
-20	-29	1.60	8.8	2.6

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

COOLING CAPACITY - TPA048S4 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	48.5	14.2	3.03	.76	.90	1.00	46.0	13.5	3.44	.78	.92	1.00	43.5	12.7	3.89	.80	.95	1.00	41.0	12.0	4.41	.82	.98	1.00
	1635	770	49.5	14.5	3.04	.79	.94	1.00	47.5	13.9	3.45	.81	.96	1.00	45.0	13.2	3.90	.83	.99	1.00	42.0	12.3	4.41	.86	1.00	1.00
	1795	845	50.5	14.8	3.04	.81	.97	1.00	48.0	14.1	3.46	.84	.99	1.00	46.0	13.5	3.91	.86	1.00	1.00	43.5	12.7	4.42	.89	1.00	1.00
67°F (19°C)	1460	690	51.0	14.9	3.04	.61	.74	.87	48.5	14.2	3.46	.62	.76	.89	46.0	13.5	3.91	.63	.78	.92	43.5	12.7	4.43	.65	.80	.95
	1635	770	52.5	15.4	3.05	.63	.77	.91	50.0	14.7	3.47	.64	.79	.93	47.0	13.8	3.92	.65	.81	.96	44.5	13.0	4.43	.67	.84	.99
	1795	845	53.5	15.7	3.05	.64	.79	.94	50.5	14.8	3.47	.66	.81	.97	48.0	14.1	3.93	.67	.84	.99	45.0	13.2	4.44	.69	.87	1.00
71°F (22°C)	1460	690	53.5	15.7	3.06	.47	.60	.72	51.0	14.9	3.47	.47	.61	.73	48.5	14.2	3.93	.48	.62	.75	45.5	13.3	4.44	.49	.63	.78
	1635	770	55.0	16.1	3.06	.48	.61	.75	52.0	15.2	3.48	.48	.63	.76	49.5	14.5	3.94	.49	.64	.79	46.5	13.6	4.45	.50	.66	.81
	1795	845	56.0	16.4	3.06	.49	.63	.77	53.0	15.5	3.49	.49	.64	.79	50.5	14.8	3.95	.50	.66	.81	47.5	13.9	4.47	.51	.68	.84

COOLING CAPACITY - TPA048S4 with [CX34-49C-6F + G60UHV-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)	1400	660	48.0	14.1	3.03	.76	.89	1.00	45.5	13.3	3.43	.77	.91	1.00	43.5	12.7	3.88	.79	.94	1.00	40.5	11.9	4.40	.81	.97	1.00
	1600	755	49.5	14.5	3.04	.79	.93	1.00	47.0	13.8	3.45	.80	.96	1.00	44.5	13.0	3.90	.83	.98	1.00	42.0	12.3	4.41	.85	1.00	1.00
	1780	840	50.5	14.8	3.04	.81	.97	1.00	48.0	14.1	3.46	.83	.99	1.00	45.5	13.3	3.91	.86	1.00	1.00	43.0	12.6	4.42	.89	1.00	1.00
67°F (19°C)	1400	660	50.5	14.8	3.04	.60	.73	.86	48.0	14.1	3.46	.62	.75	.88	45.5	13.3	3.90	.63	.77	.90	43.0	12.6	4.42	.64	.79	.94
	1600	755	52.0	15.2	3.05	.62	.76	.90	49.5	14.5	3.47	.64	.78	.92	47.0	13.8	3.92	.65	.80	.95	44.0	12.9	4.43	.67	.83	.99
	1780	840	53.0	15.5	3.05	.64	.79	.94	50.5	14.8	3.47	.66	.81	.96	48.0	14.1	3.93	.67	.84	.99	45.0	13.2	4.44	.69	.87	1.00
71°F (22°C)	1400	660	53.0	15.5	3.05	.47	.59	.71	50.5	14.8	3.47	.47	.60	.73	48.0	14.1	3.93	.47	.61	.74	45.0	13.2	4.44	.48	.63	.77
	1600	755	54.5	16.0	3.06	.48	.61	.74	52.0	15.2	3.48	.48	.62	.76	49.5	14.5	3.94	.49	.64	.78	46.5	13.6	4.45	.49	.65	.81
	1780	840	56.0	16.4	3.06	.49	.63	.77	53.0	15.5	3.49	.49	.64	.79	50.5	14.8	3.95	.50	.66	.81	47.5	13.9	4.47	.51	.68	.84

HEATING CAPACITY - TPA048S4 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	
1635	770	54.4	15.9	3.39	42.9	12.6	3.15	30.6	9.0	2.90	22.7	6.7	2.56	11.5	3.4	1.87
1795	845	55.1	16.1	3.32	43.5	12.7	3.08	31.2	9.1	2.83	23.3	6.8	2.49	12.2	3.6	1.80

HEATING CAPACITY - TPA048S4 with [CX34-49C-6F + G60UHV-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	
1600	755	54.3	15.9	3.40	42.8	12.5	3.16	30.5	8.9	2.92	22.6	6.6	2.57	11.5	3.4	1.87
1780	840	55.0	16.1	3.32	43.5	12.7	3.08	31.3	9.2	2.84	23.4	6.9	2.49	12.3	3.6	1.79

HEATING PERFORMANCE at 1635 cfm (770 L/s) Indoor Coil Air Volume TPA048S4 with [CX34-49C-6F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.39	54.4	15.9
60	16	3.33	51.8	15.2
55	13	3.27	49.2	14.4
50	10	3.21	46.5	13.6
47	8	3.17	44.9	13.2
45	7	3.15	42.9	12.6
40	4	3.08	37.6	11.0
35	2	3.01	32.4	9.5
30	-1	2.95	31.5	9.2
25	-4	2.90	30.6	9.0
20	-7	2.85	29.7	8.7
17	-8	2.82	29.1	8.5
15	-9	2.80	28.1	8.2
10	-12	2.74	25.4	7.4
5	-15	2.56	22.7	6.7
0	-18	2.39	19.9	5.8
-5	-21	2.21	17.1	5.0
-10	-23	2.04	14.3	4.2
-15	-26	1.87	11.5	3.4
-20	-29	1.69	8.7	2.5

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CX34-49C-6F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.40	54.3	15.9
60	16	3.35	51.7	15.2
55	13	3.29	49.0	14.4
50	10	3.23	46.4	13.6
47	8	3.19	44.8	13.1
45	7	3.16	42.8	12.5
40	4	3.09	37.5	11.0
35	2	3.02	32.3	9.5
30	-1	2.97	31.4	9.2
25	-4	2.92	30.5	8.9
20	-7	2.86	29.6	8.7
17	-8	2.83	29.1	8.5
15	-9	2.81	28.0	8.2
10	-12	2.75	25.4	7.4
5	-15	2.57	22.6	6.6
0	-18	2.40	19.8	5.8
-5	-21	2.22	17.1	5.0
-10	-23	2.05	14.3	4.2
-15	-26	1.87	11.5	3.4
-20	-29	1.70	8.7	2.5

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

COOLING CAPACITY - TPA048S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-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	48.0	14.1	3.03	.76	.89	1.00	46.0	13.5	3.43	.77	.91	1.00	43.5	12.7	3.88	.79	.94	1.00	41.0	12.0	4.40	.81	.97	1.00
	1605	760	49.5	14.5	3.04	.79	.93	1.00	47.0	13.8	3.45	.81	.96	1.00	44.5	13.0	3.90	.83	.99	1.00	42.0	12.3	4.41	.86	1.00	1.00
	1790	845	50.5	14.8	3.04	.82	.97	1.00	48.0	14.1	3.46	.84	.99	1.00	46.0	13.5	3.91	.86	1.00	1.00	43.5	12.7	4.42	.89	1.00	1.00
67°F (19°C)	1405	665	50.5	14.8	3.04	.60	.73	.86	48.5	14.2	3.46	.62	.75	.88	45.5	13.3	3.91	.63	.77	.91	43.0	12.6	4.42	.64	.79	.94
	1605	760	52.0	15.2	3.05	.63	.77	.90	49.5	14.5	3.47	.64	.78	.93	47.0	13.8	3.92	.65	.81	.96	44.0	12.9	4.43	.67	.83	.99
	1790	845	53.5	15.7	3.05	.64	.79	.94	50.5	14.8	3.47	.66	.81	.97	48.0	14.1	3.93	.67	.84	.99	45.0	13.2	4.44	.69	.87	1.00
71°F (22°C)	1405	665	53.0	15.5	3.05	.47	.59	.71	50.5	14.8	3.47	.47	.60	.73	48.0	14.1	3.93	.47	.61	.74	45.0	13.2	4.44	.48	.63	.77
	1605	760	54.5	16.0	3.06	.48	.61	.74	52.0	15.2	3.48	.48	.63	.76	49.5	14.5	3.94	.49	.64	.78	46.5	13.6	4.45	.50	.66	.81
	1790	845	56.0	16.4	3.06	.49	.63	.77	53.0	15.5	3.49	.49	.65	.79	50.5	14.8	3.95	.50	.66	.82	47.5	13.9	4.47	.51	.68	.85

COOLING CAPACITY - TPA048S4 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)	1425	675	48.0	14.1	3.03	.76	.90	1.00	45.5	13.3	3.43	.77	.92	1.00	43.5	12.7	3.89	.79	.94	1.00	40.5	11.9	4.40	.82	.98	1.00
	1575	745	49.0	14.4	3.04	.78	.93	1.00	46.5	13.6	3.44	.80	.95	1.00	44.0	12.9	3.89	.82	.98	1.00	41.5	12.2	4.41	.85	1.00	1.00
	1745	825	50.0	14.7	3.04	.81	.96	1.00	47.5	13.9	3.45	.83	.99	1.00	45.0	13.2	3.90	.85	1.00	1.00	42.5	12.5	4.41	.88	1.00	1.00
67°F (19°C)	1425	675	50.5	14.8	3.05	.60	.73	.86	48.5	14.2	3.46	.61	.75	.88	46.0	13.5	3.91	.63	.77	.91	43.0	12.6	4.43	.64	.80	.94
	1575	745	51.5	15.1	3.05	.62	.76	.89	49.0	14.4	3.46	.63	.78	.92	46.5	13.6	3.91	.64	.80	.95	43.5	12.7	4.43	.66	.83	.98
	1745	825	52.5	15.4	3.05	.64	.78	.93	50.0	14.7	3.47	.65	.80	.95	47.5	13.9	3.92	.66	.83	.98	44.5	13.0	4.44	.68	.86	1.00
71°F (22°C)	1425	675	53.5	15.7	3.06	.47	.59	.71	51.0	14.9	3.48	.47	.60	.73	48.5	14.2	3.94	.47	.61	.75	45.5	13.3	4.44	.48	.63	.77
	1575	745	54.5	16.0	3.06	.47	.61	.74	52.0	15.2	3.48	.48	.62	.75	49.5	14.5	3.94	.48	.63	.77	46.5	13.6	4.46	.49	.65	.80
	1745	825	56.0	16.4	3.07	.48	.62	.76	53.0	15.5	3.49	.49	.63	.78	50.0	14.7	3.95	.49	.65	.81	47.0	13.8	4.46	.50	.67	

HEATING CAPACITY - TPA048S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-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	
1605	760	54.4	15.9	3.40	42.9	12.6	3.16	30.7	9.0	2.92	22.8	6.7	2.57	11.6	3.4	1.87
1790	845	55.2	16.2	3.32	43.6	12.8	3.08	31.4	9.2	2.84	23.5	6.9	2.49	12.3	3.6	1.79

HEATING CAPACITY - TPA048S4 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	
1575	745	54.1	15.9	3.40	42.6	12.5	3.15	30.4	8.9	2.89	22.5	6.6	2.54	11.4	3.3	1.86
1745	825	54.8	16.1	3.31	43.3	12.7	3.06	31.1	9.1	2.80	23.2	6.8	2.45	12.1	3.5	1.77

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S4 with [CX34-49C-6F + G61MPV-60C-110] [CX34-49C-6F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.40	54.4	15.9
60	16	3.34	51.8	15.2
55	13	3.28	49.2	14.4
50	10	3.22	46.6	13.7
47	8	3.19	45.0	13.2
45	7	3.16	42.9	12.6
40	4	3.09	37.7	11.0
35	2	3.02	32.5	9.5
30	-1	2.97	31.6	9.3
25	-4	2.92	30.7	9.0
20	-7	2.86	29.8	8.7
17	-8	2.83	29.2	8.6
15	-9	2.81	28.2	8.3
10	-12	2.75	25.5	7.5
5	-15	2.57	22.8	6.7
0	-18	2.40	20.0	5.9
-5	-21	2.22	17.2	5.0
-10	-23	2.05	14.4	4.2
-15	-26	1.87	11.6	3.4
-20	-29	1.70	8.8	2.6

HEATING PERFORMANCE at 1575 cfm (745 L/s) Indoor Coil Air Volume TPA048S4 with [CX34-60D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.40	54.1	15.9
60	16	3.34	51.5	15.1
55	13	3.28	48.8	14.3
50	10	3.22	46.2	13.5
47	8	3.18	44.6	13.1
45	7	3.15	42.6	12.5
40	4	3.07	37.4	11.0
35	2	3.00	32.2	9.4
30	-1	2.94	31.3	9.2
25	-4	2.89	30.4	8.9
20	-7	2.84	29.5	8.6
17	-8	2.80	28.9	8.5
15	-9	2.78	27.9	8.2
10	-12	2.72	25.3	7.4
5	-15	2.54	22.5	6.6
0	-18	2.37	19.7	5.8
-5	-21	2.20	17.0	5.0
-10	-23	2.03	14.2	4.2
-15	-26	1.86	11.4	3.3
-20	-29	1.68	8.7	2.5

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

COOLING CAPACITY - TPA048S4 with [CX34-60D-6F + G61MPV-60D-135] [CX34-60D-6F + G71MPP-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	48.0	14.1	3.03	.76	.89	1.00	45.5	13.3	3.43	.77	.91	1.00	43.0	12.6	3.89	.79	.94	1.00	40.5	11.9	4.40	.82	.97	1.00
	1600	755	49.0	14.4	3.04	.79	.93	1.00	47.0	13.8	3.44	.80	.96	1.00	44.5	13.0	3.89	.83	.98	1.00	41.5	12.2	4.41	.86	1.00	1.00
	1780	840	50.0	14.7	3.04	.81	.97	1.00	48.0	14.1	3.45	.83	.99	1.00	45.5	13.3	3.91	.86	1.00	1.00	43.0	12.6	4.42	.89	1.00	1.00
67°F (19°C)	1400	660	50.5	14.8	3.04	.60	.73	.86	48.0	14.1	3.46	.61	.75	.88	45.5	13.3	3.91	.62	.77	.91	43.0	12.6	4.42	.64	.79	.94
	1600	755	52.0	15.2	3.05	.62	.76	.90	49.5	14.5	3.47	.63	.78	.93	47.0	13.8	3.92	.65	.80	.95	44.0	12.9	4.43	.66	.83	.99
	1780	840	53.0	15.5	3.05	.64	.79	.94	50.5	14.8	3.47	.65	.81	.96	47.5	13.9	3.92	.67	.84	.99	44.5	13.0	4.44	.69	.87	1.00
71°F (22°C)	1400	660	53.5	15.7	3.05	.47	.59	.71	51.0	14.9	3.47	.47	.60	.73	48.5	14.2	3.93	.47	.61	.74	45.5	13.3	4.45	.48	.63	.77
	1600	755	55.0	16.1	3.06	.47	.61	.74	52.5	15.4	3.49	.48	.62	.76	49.5	14.5	3.94	.48	.63	.78	46.5	13.6	4.46	.49	.65	.81
	1780	840	56.0	16.4	3.06	.48	.63	.77	53.5	15.7	3.49	.49	.64	.79	50.5	14.8	3.95	.50	.66	.81	47.5	13.9	4.46	.50	.68	.84

HEATING CAPACITY - TPA048S4 with [CX34-60D-6F + G61MPV-60D-135] [CX34-60D-6F + G71MPP-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	
1600	755	54.3	15.9	3.39	42.8	12.5	3.14	30.6	9.0	2.88	22.7	6.7	2.53	11.5	3.4	1.85
1780	840	55.1	16.1	3.30	43.6	12.8	3.04	31.4	9.2	2.79	23.5	6.9	2.44	12.3	3.6	1.75

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CX34-60D-6F + G61MPV-60D-135] [CX34-60D-6F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.39	54.3	15.9
60	16	3.33	51.7	15.2
55	13	3.27	49.1	14.4
50	10	3.20	46.4	13.6
47	8	3.17	44.9	13.2
45	7	3.14	42.8	12.5
40	4	3.06	37.6	11.0
35	2	2.99	32.4	9.5
30	-1	2.93	31.5	9.2
25	-4	2.88	30.6	9.0
20	-7	2.83	29.7	8.7
17	-8	2.79	29.2	8.6
15	-9	2.77	28.1	8.2
10	-12	2.71	25.5	7.5
5	-15	2.53	22.7	6.7
0	-18	2.36	19.9	5.8
-5	-21	2.19	17.1	5.0
-10	-23	2.02	14.3	4.2
-15	-26	1.85	11.5	3.4
-20	-29	1.68	8.7	2.5

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

COOLING CAPACITY - TPA048S4 with [CR33-50/60C-F + G60DFV-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)	1505	710	48.0	14.1	3.03	.78	.92	1.00	46.0	13.5	3.44	.79	.94	1.00	43.5	12.7	3.89	.81	.97	1.00	41.0	12.0	4.41	.84	.99	1.00
	1685	795	49.0	14.4	3.04	.80	.96	1.00	46.5	13.6	3.45	.82	.98	1.00	44.5	13.0	3.90	.85	1.00	1.00	42.0	12.3	4.42	.88	1.00	1.00
	1860	880	50.0	14.7	3.04	.83	.98	1.00	47.5	13.9	3.45	.85	1.00	1.00	45.5	13.3	3.90	.88	1.00	1.00	43.0	12.6	4.42	.91	1.00	1.00
67°F (19°C)	1505	710	50.5	14.8	3.04	.62	.75	.89	48.5	14.2	3.46	.63	.77	.91	46.0	13.5	3.91	.64	.79	.94	43.0	12.6	4.43	.65	.82	.97
	1685	795	52.0	15.2	3.05	.64	.78	.92	49.5	14.5	3.46	.64	.80	.95	47.0	13.8	3.92	.66	.82	.97	44.0	12.9	4.43	.68	.85	1.00
	1860	880	53.0	15.5	3.05	.65	.81	.96	50.0	14.7	3.47	.67	.83	.98	47.5	13.9	3.93	.68	.86	1.00	44.5	13.0	4.43	.70	.89	1.00
71°F (22°C)	1505	710	53.5	15.7	3.05	.46	.60	.73	51.0	14.9	3.47	.47	.61	.75	48.5	14.2	3.93	.48	.63	.77	45.5	13.3	4.45	.48	.64	.79
	1685	795	54.5	16.0	3.06	.48	.62	.76	52.0	15.2	3.48	.48	.63	.78	49.5	14.5	3.94	.49	.65	.80	46.5	13.6	4.46	.49	.67	.83
	1860	880	55.5	16.3	3.06	.49	.64	.79	53.0	15.5	3.49	.49	.65	.81	50.0	14.7	3.95	.50	.67	.83	47.0	13.8	4.46	.51	.69	.86

COOLING CAPACITY - TPA048S4 with [CR33-50/60C-F + G60DFV-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)	1445	680	47.5	13.9	3.03	.77	.91	1.00	45.5	13.3	3.44	.78	.93	1.00	43.0	12.6	3.89	.80	.96	1.00	40.5	11.9	4.40	.83	.98	1.00
	1645	775	49.0	14.4	3.03	.80	.95	1.00	46.5	13.6	3.44	.82	.97	1.00	44.0	12.9	3.90	.84	.99	1.00	42.0	12.3	4.41	.87	1.00	1.00
	1800	850	49.5	14.5	3.04	.82	.97	1.00	47.5	13.9	3.45	.84	.99	1.00	45.0	13.2	3.90	.87	1.00	1.00	42.5	12.5	4.42	.90	1.00	1.00
67°F (19°C)	1445	680	50.5	14.8	3.04	.61	.74	.88	48.0	14.1	3.46	.62	.76	.90	45.5	13.3	3.91	.63	.78	.93	43.0	12.6	4.42	.65	.81	.96
	1645	775	51.5	15.1	3.05	.63	.78	.92	49.0	14.4	3.46	.64	.79	.94	46.5	13.6	3.92	.66	.82	.97	43.5	12.7	4.43	.67	.85	.99
	1800	850	52.5	15.4	3.05	.65	.80	.95	50.0	14.7	3.47	.66	.82	.97	47.5	13.9	3.92	.67	.85	.99	44.5	13.0	4.43	.69	.88	1.00
71°F (22°C)	1445	680	53.0	15.5	3.05	.46	.60	.72	50.5	14.8	3.47	.46	.61	.74	48.0	14.1	3.93	.47	.62	.76	45.0	13.2	4.44	.48	.63	.78
	1645	775	54.5	16.0	3.06	.47	.62	.75	52.0	15.2	3.48	.48	.63	.77	49.0	14.4	3.94	.48	.64	.79	46.5	13.6	4.45	.49	.66	.82
	1800	850	55.0	16.1	3.06	.48	.64	.78	52.5	15.4	3.49	.49	.65	.80	50.0	14.7	3.95	.49	.66	.82	47.0	13.8	4.46	.50	.68	.85

HEATING CAPACITY - TPA048S4 with [CR33-50/60C-F + G60DFV-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	
1685	795	55.3	16.2	3.21	43.5	12.7	2.99	31.0	9.1	2.76	22.9	6.7	2.45	11.6	3.4	1.78
1860	880	56.0	16.4	3.14	44.1	12.9	2.92	31.6	9.3	2.69	23.5	6.9	2.38	12.3	3.6	1.71

HEATING CAPACITY - TPA048S4 with [CR33-50/60C-F + G60DFV-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	
1645	775	55.2	16.2	3.23	43.4	12.7	3.00	30.9	9.1	2.78	22.8	6.7	2.45	11.6	3.4	1.79
1800	850	55.8	16.4	3.17	44.0	12.9	2.94	31.5	9.2	2.72	23.4	6.9	2.39	12.2	3.6	1.73

HEATING PERFORMANCE at 1685 cfm (795 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-50/60C-F + G60DFV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.21	55.3	16.2
60	16	3.16	52.6	15.4
55	13	3.10	49.9	14.6
50	10	3.05	47.2	13.8
47	8	3.01	45.6	13.4
45	7	2.99	43.5	12.7
40	4	2.92	38.2	11.2
35	2	2.86	32.8	9.6
30	-1	2.81	31.9	9.3
25	-4	2.76	31.0	9.1
20	-7	2.72	30.0	8.8
17	-8	2.69	29.4	8.6
15	-9	2.67	28.4	8.3
10	-12	2.61	25.7	7.5
5	-15	2.45	22.9	6.7
0	-18	2.28	20.0	5.9
-5	-21	2.11	17.2	5.0
-10	-23	1.95	14.4	4.2
-15	-26	1.78	11.6	3.4
-20	-29	1.61	8.8	2.6

HEATING PERFORMANCE at 1645 cfm (775 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-50/60C-F + G60DFV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.23	55.2	16.2
60	16	3.17	52.5	15.4
55	13	3.12	49.8	14.6
50	10	3.06	47.1	13.8
47	8	3.03	45.5	13.3
45	7	3.00	43.4	12.7
40	4	2.94	38.1	11.2
35	2	2.87	32.8	9.6
30	-1	2.82	31.8	9.3
25	-4	2.78	30.9	9.1
20	-7	2.73	29.9	8.8
17	-8	2.70	29.4	8.6
15	-9	2.68	28.3	8.3
10	-12	2.62	25.6	7.5
5	-15	2.45	22.8	6.7
0	-18	2.29	20.0	5.9
-5	-21	2.12	17.2	5.0
-10	-23	1.95	14.4	4.2
-15	-26	1.79	11.6	3.4
-20	-29	1.62	8.8	2.6

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

COOLING CAPACITY - TPA048S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-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	47.0	13.8	3.03	.76	.89	1.00	45.0	13.2	3.43	.77	.92	1.00	42.5	12.5	3.88	.79	.94	1.00	40.0	11.7	4.40	.82	.97	1.00
	1605	760	48.5	14.2	3.03	.79	.94	1.00	46.5	13.6	3.44	.81	.97	1.00	44.0	12.9	3.89	.84	.99	1.00	41.5	12.2	4.41	.86	1.00	1.00
	1755	830	49.5	14.5	3.04	.82	.97	1.00	47.0	13.8	3.45	.84	.99	1.00	45.0	13.2	3.90	.87	1.00	1.00	42.5	12.5	4.42	.89	1.00	1.00
67°F (19°C)	1380	650	50.0	14.7	3.04	.61	.74	.86	47.5	13.9	3.45	.62	.75	.88	45.0	13.2	3.90	.63	.77	.91	42.5	12.5	4.42	.64	.79	.94
	1605	760	51.5	15.1	3.05	.63	.77	.91	49.0	14.4	3.46	.64	.79	.94	46.5	13.6	3.91	.65	.81	.96	43.5	12.7	4.43	.67	.84	.99
	1755	830	52.5	15.4	3.05	.65	.79	.94	50.0	14.7	3.47	.66	.82	.97	47.0	13.8	3.92	.67	.84	.99	44.5	13.0	4.43	.69	.87	1.00
71°F (22°C)	1380	650	52.5	15.4	3.05	.46	.59	.71	50.0	14.7	3.47	.47	.60	.73	47.5	13.9	3.93	.47	.61	.75	45.0	13.2	4.44	.47	.63	.77
	1605	760	54.0	15.8	3.06	.47	.62	.75	51.5	15.1	3.48	.48	.63	.77	49.0	14.4	3.94	.49	.64	.79	46.0	13.5	4.45	.49	.66	.82
	1755	830	55.0	16.1	3.06	.48	.63	.77	52.5	15.4	3.49	.49	.65	.79	50.0	14.7	3.95	.49	.66	.82	47.0	13.8	4.46	.50	.68	.85

COOLING CAPACITY - TPA048S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-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	47.5	13.9	3.03	.76	.90	1.00	45.0	13.2	3.43	.78	.92	1.00	43.0	12.6	3.88	.80	.95	1.00	40.0	11.7	4.40	.82	.98	1.00
	1605	760	48.5	14.2	3.03	.79	.94	1.00	46.5	13.6	3.44	.81	.97	1.00	44.0	12.9	3.89	.84	.99	1.00	41.5	12.2	4.41	.86	1.00	1.00
	1790	845	49.5	14.5	3.04	.82	.98	1.00	47.5	13.9	3.45	.84	.99	1.00	45.0	13.2	3.91	.87	1.00	1.00	42.5	12.5	4.42	.90	1.00	1.00
67°F (19°C)	1405	665	50.0	14.7	3.04	.61	.74	.87	48.0	14.1	3.45	.62	.75	.89	45.5	13.3	3.90	.63	.77	.92	42.5	12.5	4.42	.64	.80	.95
	1605	760	51.5	15.1	3.05	.63	.77	.91	49.0	14.4	3.46	.64	.79	.94	46.5	13.6	3.91	.65	.81	.96	43.5	12.7	4.43	.67	.84	.99
	1790	845	52.5	15.4	3.05	.65	.80	.95	50.0	14.7	3.47	.66	.82	.97	47.5	13.9	3.92	.68	.85	.99	44.5	13.0	4.43	.69	.88	1.00
71°F (22°C)	1405	665	52.5	15.4	3.05	.46	.59	.72	50.0	14.7	3.47	.46	.60	.73	48.0	14.1	3.93	.47	.62	.75	45.0	13.2	4.44	.47	.63	.77
	1605	760	54.0	15.8	3.06	.47	.62	.75	51.5	15.1	3.48	.48	.63	.77	49.0	14.4	3.94	.48	.64	.79	46.0	13.5	4.45	.49	.66	.82
	1790	845	55.0	16.1	3.06	.49	.64	.78	52.5	15.4	3.49	.49	.65	.80	50.0	14.7	3.95	.50	.66	.82	47.0	13.8	4.46	.51	.68	.85

HEATING CAPACITY - TPA048S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-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	
1605	760	55.3	16.2	3.26	43.5	12.7	3.03	31.0	9.1	2.79	22.9	6.7	2.46	11.7	3.4	1.79
1755	830	55.9	16.4	3.20	44.1	12.9	2.96	31.7	9.3	2.73	23.6	6.9	2.40	12.3	3.6	1.73

HEATING CAPACITY - TPA048S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-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	
1605	760	55.2	16.2	3.26	43.5	12.7	3.03	31.0	9.1	2.79	23.0	6.7	2.47	11.7	3.4	1.80
1790	845	55.9	16.4	3.18	44.2	13.0	2.95	31.7	9.3	2.71	23.7	6.9	2.39	12.4	3.6	1.72

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-50/60C-F + G61MPV-60C-090] [CR33-50/60C-F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	55.3	16.2
60	16	3.20	52.6	15.4
55	13	3.15	49.9	14.6
50	10	3.09	47.2	13.8
47	8	3.05	45.6	13.4
45	7	3.03	43.5	12.7
40	4	2.96	38.2	11.2
35	2	2.89	32.9	9.6
30	-1	2.84	31.9	9.3
25	-4	2.79	31.0	9.1
20	-7	2.74	30.1	8.8
17	-8	2.71	29.5	8.6
15	-9	2.69	28.4	8.3
10	-12	2.63	25.8	7.6
5	-15	2.46	22.9	6.7
0	-18	2.30	20.1	5.9
-5	-21	2.13	17.3	5.1
-10	-23	1.96	14.5	4.2
-15	-26	1.79	11.7	3.4
-20	-29	1.63	8.9	2.6

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-50/60C-F + G61MPV-60C-110] [CR33-50/60C-F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	55.2	16.2
60	16	3.20	52.6	15.4
55	13	3.14	49.9	14.6
50	10	3.09	47.2	13.8
47	8	3.05	45.6	13.4
45	7	3.03	43.5	12.7
40	4	2.96	38.2	11.2
35	2	2.89	32.9	9.6
30	-1	2.84	31.9	9.3
25	-4	2.79	31.0	9.1
20	-7	2.74	30.1	8.8
17	-8	2.71	29.5	8.6
15	-9	2.69	28.5	8.4
10	-12	2.63	25.8	7.6
5	-15	2.47	23.0	6.7
0	-18	2.30	20.1	5.9
-5	-21	2.13	17.3	5.1
-10	-23	1.96	14.5	4.2
-15	-26	1.80	11.7	3.4
-20	-29	1.63	8.9	2.6

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

COOLING CAPACITY - TPA048S4 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	47.5	13.9	3.03	.77	.91	1.00	45.5	13.3	3.43	.78	.93	1.00	43.0	12.6	3.89	.80	.96	1.00	40.5	11.9	4.40	.83	.98	1.00
	1645	775	49.0	14.4	3.03	.80	.95	1.00	46.5	13.6	3.44	.82	.97	1.00	44.0	12.9	3.90	.84	.99	1.00	41.5	12.2	4.42	.87	1.00	1.00
	1810	855	49.5	14.5	3.04	.82	.98	1.00	47.5	13.9	3.45	.85	.99	1.00	45.0	13.2	3.91	.87	1.00	1.00	42.5	12.5	4.41	.90	1.00	1.00
67°F (19°C)	1440	680	50.5	14.8	3.04	.61	.74	.87	48.0	14.1	3.46	.62	.76	.90	45.5	13.3	3.91	.63	.78	.92	43.0	12.6	4.42	.65	.80	.95
	1645	775	51.5	15.1	3.05	.63	.77	.92	49.0	14.4	3.46	.64	.79	.94	46.5	13.6	3.92	.66	.82	.97	43.5	12.7	4.43	.67	.85	.99
	1810	855	52.5	15.4	3.05	.65	.80	.95	50.0	14.7	3.47	.66	.82	.97	47.5	13.9	3.92	.68	.85	.99	44.5	13.0	4.43	.69	.88	1.00
71°F (22°C)	1440	680	53.0	15.5	3.05	.46	.60	.72	50.5	14.8	3.47	.46	.60	.74	48.0	14.1	3.93	.47	.62	.76	45.0	13.2	4.44	.48	.63	.78
	1645	775	54.5	16.0	3.06	.47	.62	.75	52.0	15.2	3.48	.48	.63	.77	49.0	14.4	3.94	.48	.64	.79	46.0	13.5	4.45	.49	.66	.82
	1810	855	55.5	16.3	3.06	.48	.64	.78	52.5	15.4	3.49	.49	.65	.80	50.0	14.7	3.95	.49	.66	.82	47.0	13.8	4.46	.50	.68	.85

COOLING CAPACITY - TPA048S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-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	47.5	13.9	3.03	.76	.90	1.00	45.0	13.2	3.43	.78	.92	1.00	43.0	12.6	3.88	.80	.95	1.00	40.0	11.7	4.40	.82	.98	1.00
	1600	755	48.5	14.2	3.03	.79	.94	1.00	46.5	13.6	3.44	.81	.96	1.00	44.0	12.9	3.89	.83	.99	1.00	41.5	12.2	4.41	.86	1.00	1.00
	1780	840	49.5	14.5	3.04	.82	.97	1.00	47.5	13.9	3.45	.84	.99	1.00	45.0	13.2	3.90	.87	1.00	1.00	42.5	12.5	4.42	.90	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	3.04	.61	.74	.87	48.0	14.1	3.45	.62	.75	.89	45.5	13.3	3.90	.63	.77	.91	42.5	12.5	4.42	.64	.80	.94
	1600	755	51.5	15.1	3.05	.63	.77	.91	49.0	14.4	3.46	.64	.79	.93	46.5	13.6	3.91	.65	.81	.96	43.5	12.7	4.43	.67	.84	.99
	1780	840	52.5	15.4	3.05	.65	.80	.95	50.0	14.7	3.47	.66	.82	.97	47.0	13.8	3.92	.67	.84	.99	44.5	13.0	4.43	.69	.87	1.00
71°F (22°C)	1400	660	52.5	15.4	3.05	.46	.59	.71	50.0	14.7	3.47	.47	.60	.73	48.0	14.1	3.93	.47	.61	.75	45.0	13.2	4.44	.47	.63	.77
	1600	755	54.0	15.8	3.06	.47	.62	.75	51.5	15.1	3.48	.48	.63	.76	49.0	14.4	3.94	.48	.64	.79	46.0	13.5	4.45	.49	.66	.81
	1780	840	55.0	16.1	3.06	.48	.63	.77	52.5	15.4	3.49	.49	.65	.79	50.0	14.7	3.95	.49	.66	.82	47.0	13.8	4.46	.50	.68	.85

HEATING CAPACITY - TPA048S4 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	
1645	775	55.2	16.2	3.23	43.4	12.7	3.01	30.9	9.1	2.78	22.8	6.7	2.45	11.6	3.4	1.79
1810	855	55.7	16.3	3.16	43.9	12.9	2.94	31.4	9.2	2.71	23.4	6.9	2.39	12.2	3.6	1.72

HEATING CAPACITY - TPA048S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-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	
1600	755	55.0	16.1	3.26	43.3	12.7	3.02	30.8	9.0	2.79	22.8	6.7	2.46	11.6	3.4	1.80
1780	840	55.7	16.3	3.18	44.0	12.9	2.95	31.5	9.2	2.72	23.5	6.9	2.39	12.3	3.6	1.72

HEATING PERFORMANCE at 1645 cfm (775 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.23	55.2	16.2
60	16	3.18	52.5	15.4
55	13	3.12	49.8	14.6
50	10	3.06	47.1	13.8
47	8	3.03	45.5	13.3
45	7	3.01	43.4	12.7
40	4	2.94	38.1	11.2
35	2	2.87	32.8	9.6
30	-1	2.82	31.8	9.3
25	-4	2.78	30.9	9.1
20	-7	2.73	29.9	8.8
17	-8	2.70	29.3	8.6
15	-9	2.68	28.3	8.3
10	-12	2.62	25.6	7.5
5	-15	2.45	22.8	6.7
0	-18	2.29	20.0	5.9
-5	-21	2.12	17.2	5.0
-10	-23	1.95	14.4	4.2
-15	-26	1.79	11.6	3.4
-20	-29	1.62	8.8	2.6

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CR33-60D-F + G61MPV-60D-135] [CR33-60D-F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	55.0	16.1
60	16	3.20	52.4	15.4
55	13	3.14	49.7	14.6
50	10	3.09	47.0	13.8
47	8	3.05	45.4	13.3
45	7	3.02	43.3	12.7
40	4	2.96	38.0	11.1
35	2	2.89	32.7	9.6
30	-1	2.84	31.8	9.3
25	-4	2.79	30.8	9.0
20	-7	2.74	29.9	8.8
17	-8	2.71	29.3	8.6
15	-9	2.69	28.3	8.3
10	-12	2.63	25.6	7.5
5	-15	2.46	22.8	6.7
0	-18	2.30	20.0	5.9
-5	-21	2.13	17.2	5.0
-10	-23	1.96	14.4	4.2
-15	-26	1.80	11.6	3.4
-20	-29	1.63	8.8	2.6

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

COOLING CAPACITY - TPA048S4 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)	1460	690	48.0	14.1	3.03	.76	.90	1.00	46.0	13.5	3.44	.78	.92	1.00	43.5	12.7	3.88	.80	.95	1.00	40.5	11.9	4.40	.82	.98	1.00
	1635	770	49.5	14.5	3.04	.79	.93	1.00	47.0	13.8	3.45	.80	.96	1.00	44.5	13.0	3.89	.83	.99	1.00	42.0	12.3	4.41	.85	1.00	1.00
	1795	845	50.0	14.7	3.04	.81	.97	1.00	48.0	14.1	3.45	.83	.99	1.00	45.5	13.3	3.90	.85	1.00	1.00	43.0	12.6	4.42	.88	1.00	1.00
67°F (19°C)	1460	690	51.0	14.9	3.04	.61	.74	.87	48.5	14.2	3.46	.62	.75	.89	46.0	13.5	3.91	.63	.77	.91	43.5	12.7	4.42	.64	.80	.95
	1635	770	52.5	15.4	3.05	.62	.76	.90	50.0	14.7	3.47	.63	.78	.93	47.0	13.8	3.92	.65	.80	.95	44.0	12.9	4.43	.66	.83	.99
	1795	845	53.0	15.5	3.05	.64	.79	.93	50.5	14.8	3.47	.65	.81	.96	48.0	14.1	3.93	.67	.83	.99	45.0	13.2	4.43	.68	.86	1.00
71°F (22°C)	1460	690	54.0	15.8	3.05	.47	.59	.71	51.5	15.1	3.48	.47	.60	.73	48.5	14.2	3.93	.48	.61	.75	46.0	13.5	4.44	.48	.63	.77
	1635	770	55.0	16.1	3.06	.48	.61	.74	52.5	15.4	3.49	.48	.62	.76	49.5	14.5	3.94	.48	.63	.78	46.5	13.6	4.45	.49	.65	.81
	1795	845	56.0	16.4	3.07	.48	.63	.77	53.5	15.7	3.49	.49	.64	.79	50.5	14.8	3.95	.49	.65	.81	47.5	13.9	4.46	.50	.67	.84

COOLING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G60UHV-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)	1400	660	48.0	14.1	3.03	.75	.89	1.00	45.5	13.3	3.43	.77	.91	1.00	43.0	12.6	3.88	.79	.93	1.00	40.5	11.9	4.40	.81	.97	1.00
	1600	755	49.0	14.4	3.04	.78	.93	1.00	46.5	13.6	3.44	.80	.95	1.00	44.5	13.0	3.89	.82	.98	1.00	41.5	12.2	4.40	.85	1.00	1.00
	1780	840	50.0	14.7	3.04	.81	.96	1.00	48.0	14.1	3.45	.83	.99	1.00	45.0	13.2	3.91	.85	1.00	1.00	43.0	12.6	4.42	.88	1.00	1.00
67°F (19°C)	1400	660	50.5	14.8	3.05	.60	.73	.85	48.5	14.2	3.46	.61	.74	.87	45.5	13.3	3.90	.62	.76	.90	43.0	12.6	4.42	.64	.78	.93
	1600	755	52.0	15.2	3.05	.62	.76	.89	49.5	14.5	3.47	.63	.78	.92	47.0	13.8	3.92	.64	.80	.95	44.0	12.9	4.43	.66	.82	.98
	1780	840	53.0	15.5	3.05	.64	.79	.93	50.5	14.8	3.47	.65	.81	.96	48.0	14.1	3.93	.66	.83	.99	45.0	13.2	4.43	.68	.86	1.00
71°F (22°C)	1400	660	53.5	15.7	3.06	.46	.59	.70	51.0	14.9	3.47	.47	.60	.72	48.0	14.1	3.93	.47	.61	.74	45.5	13.3	4.44	.48	.62	.76
	1600	755	55.0	16.1	3.06	.47	.60	.73	52.5	15.4	3.48	.48	.62	.75	49.5	14.5	3.94	.48	.63	.78	46.5	13.6	4.45	.49	.65	.80
	1780	840	56.0	16.4	3.07	.48	.63	.76	53.5	15.7	3.49	.49	.64	.79	50.5	14.8	3.95	.49	.65	.81	47.5	13.9	4.46	.50	.67	.84

HEATING CAPACITY - TPA048S4 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	
1635	770	54.7	16.0	3.36	43.1	12.6	3.11	30.8	9.0	2.85	22.9	6.7	2.51	11.6	3.4	1.83
1795	845	55.4	16.2	3.29	43.8	12.8	3.04	31.5	9.2	2.78	23.5	6.9	2.44	12.3	3.6	1.76

HEATING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G60UHV-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	
1600	755	54.6	16.0	3.37	43.0	12.6	3.12	30.8	9.0	2.87	22.8	6.7	2.52	11.6	3.4	1.84
1780	840	55.3	16.2	3.29	43.8	12.8	3.04	31.5	9.2	2.79	23.6	6.9	2.45	12.4	3.6	1.76

HEATING PERFORMANCE at 1635 cfm (770 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-50/60C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.36	54.7	16.0
60	16	3.30	52.1	15.3
55	13	3.23	49.4	14.5
50	10	3.17	46.8	13.7
47	8	3.14	45.2	13.2
45	7	3.11	43.1	12.6
40	4	3.03	37.9	11.1
35	2	2.96	32.7	9.6
30	-1	2.91	31.8	9.3
25	-4	2.85	30.8	9.0
20	-7	2.80	29.9	8.8
17	-8	2.77	29.4	8.6
15	-9	2.75	28.3	8.3
10	-12	2.68	25.7	7.5
5	-15	2.51	22.9	6.7
0	-18	2.34	20.1	5.9
-5	-21	2.17	17.2	5.0
-10	-23	2.00	14.4	4.2
-15	-26	1.83	11.6	3.4
-20	-29	1.66	8.8	2.6

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-50/60C-2F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.37	54.6	16.0
60	16	3.31	51.9	15.2
55	13	3.25	49.3	14.4
50	10	3.19	46.7	13.7
47	8	3.15	45.1	13.2
45	7	3.12	43.0	12.6
40	4	3.05	37.8	11.1
35	2	2.97	32.6	9.6
30	-1	2.92	31.7	9.3
25	-4	2.87	30.8	9.0
20	-7	2.81	29.9	8.8
17	-8	2.78	29.3	8.6
15	-9	2.76	28.3	8.3
10	-12	2.70	25.6	7.5
5	-15	2.52	22.8	6.7
0	-18	2.35	20.0	5.9
-5	-21	2.18	17.2	5.0
-10	-23	2.01	14.4	4.2
-15	-26	1.84	11.6	3.4
-20	-29	1.67	8.8	2.6

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

COOLING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-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	48.0	14.1	3.03	.75	.88	1.00	45.5	13.3	3.43	.77	.91	1.00	43.0	12.6	3.88	.78	.93	1.00	40.5	11.9	4.40	.81	.96	1.00
	1605	760	49.0	14.4	3.04	.79	.93	1.00	47.0	13.8	3.44	.80	.96	1.00	44.5	13.0	3.89	.82	.98	1.00	41.5	12.2	4.40	.85	1.00	1.00
	1755	830	50.0	14.7	3.04	.81	.96	1.00	47.5	13.9	3.45	.83	.98	1.00	45.0	13.2	3.91	.85	1.00	1.00	42.5	12.5	4.41	.88	1.00	1.00
67°F (19°C)	1380	650	50.5	14.8	3.05	.60	.73	.85	48.0	14.1	3.46	.61	.74	.87	45.5	13.3	3.90	.62	.76	.90	43.0	12.6	4.42	.63	.78	.93
	1605	760	52.0	15.2	3.05	.62	.76	.90	49.5	14.5	3.47	.63	.78	.92	47.0	13.8	3.92	.65	.80	.95	44.0	12.9	4.43	.66	.83	.98
	1755	830	53.0	15.5	3.05	.64	.79	.93	50.5	14.8	3.47	.65	.81	.95	47.5	13.9	3.93	.66	.83	.98	44.5	13.0	4.43	.68	.86	1.00
71°F (22°C)	1380	650	53.5	15.7	3.06	.46	.59	.70	51.0	14.9	3.47	.47	.59	.72	48.0	14.1	3.93	.47	.61	.74	45.5	13.3	4.44	.48	.62	.76
	1605	760	55.0	16.1	3.06	.47	.61	.74	52.5	15.4	3.49	.48	.62	.76	49.5	14.5	3.94	.48	.63	.78	46.5	13.6	4.45	.49	.65	.80
	1755	830	56.0	16.4	3.06	.48	.62	.76	53.0	15.5	3.49	.49	.64	.78	50.5	14.8	3.95	.49	.65	.80	47.5	13.9	4.46	.50	.67	.83

COOLING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-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	48.0	14.1	3.03	.75	.89	1.00	45.5	13.3	3.43	.77	.91	1.00	43.0	12.6	3.89	.79	.94	1.00	40.5	11.9	4.40	.81	.97	1.00
	1605	760	49.0	14.4	3.04	.79	.93	1.00	47.0	13.8	3.44	.80	.96	1.00	44.5	13.0	3.89	.82	.98	1.00	41.5	12.2	4.40	.85	1.00	1.00
	1790	845	50.0	14.7	3.04	.81	.97	1.00	48.0	14.1	3.45	.83	.99	1.00	45.5	13.3	3.90	.86	1.00	1.00	43.0	12.6	4.42	.89	1.00	1.00
67°F (19°C)	1405	665	50.5	14.8	3.05	.60	.73	.86	48.5	14.2	3.46	.61	.75	.88	46.0	13.5	3.90	.62	.76	.90	43.0	12.6	4.42	.64	.79	.93
	1605	760	52.0	15.2	3.05	.62	.76	.90	49.5	14.5	3.47	.63	.78	.92	47.0	13.8	3.92	.65	.80	.95	44.0	12.9	4.43	.66	.83	.98
	1790	845	53.0	15.5	3.05	.64	.79	.94	50.5	14.8	3.47	.65	.81	.96	48.0	14.1	3.93	.67	.83	.99	45.0	13.2	4.43	.68	.86	1.00
71°F (22°C)	1405	665	53.5	15.7	3.05	.46	.59	.71	51.0	14.9	3.48	.47	.60	.72	48.5	14.2	3.93	.47	.61	.74	45.5	13.3	4.44	.48	.62	.76
	1605	760	55.0	16.1	3.06	.47	.61	.74	52.5	15.4	3.49	.48	.62	.76	49.5	14.5	3.94	.48	.63	.78	46.5	13.6	4.45	.49	.65	.80
	1790	845	56.0	16.4	3.07	.49	.63	.77	53.5	15.7	3.49	.49	.64	.79	50.5	14.8	3.95	.50	.66	.81	47.5	13.9	4.46	.50	.67	.84

HEATING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-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	
1605	760	54.7	16.0	3.37	43.2	12.7	3.12	30.9	9.1	2.87	23.0	6.7	2.52	11.7	3.4	1.84
1755	830	55.4	16.2	3.31	43.9	12.9	3.06	31.6	9.3	2.80	23.7	6.9	2.46	12.4	3.6	1.78

HEATING CAPACITY - TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-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	
1605	760	54.7	16.0	3.37	43.2	12.7	3.12	30.9	9.1	2.87	23.0	6.7	2.52	11.7	3.4	1.84
1790	845	55.5	16.3	3.29	43.9	12.9	3.04	31.7	9.3	2.79	23.7	6.9	2.45	12.4	3.6	1.76

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-090] [CH33-50/60C-2F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.37	54.7	16.0
60	16	3.31	52.1	15.3
55	13	3.25	49.5	14.5
50	10	3.19	46.8	13.7
47	8	3.15	45.3	13.3
45	7	3.12	43.2	12.7
40	4	3.05	38.0	11.1
35	2	2.97	32.7	9.6
30	-1	2.92	31.8	9.3
25	-4	2.87	30.9	9.1
20	-7	2.81	30.0	8.8
17	-8	2.78	29.5	8.6
15	-9	2.76	28.4	8.3
10	-12	2.70	25.8	7.6
5	-15	2.52	23.0	6.7
0	-18	2.35	20.2	5.9
-5	-21	2.18	17.3	5.1
-10	-23	2.01	14.5	4.2
-15	-26	1.84	11.7	3.4
-20	-29	1.67	8.8	2.6

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-50/60C-2F + G61MPV-60C-110] [CH33-50/60C-2F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.37	54.7	16.0
60	16	3.31	52.1	15.3
55	13	3.25	49.5	14.5
50	10	3.19	46.8	13.7
47	8	3.15	45.3	13.3
45	7	3.12	43.2	12.7
40	4	3.05	38.0	11.1
35	2	2.97	32.7	9.6
30	-1	2.92	31.8	9.3
25	-4	2.87	30.9	9.1
20	-7	2.81	30.0	8.8
17	-8	2.78	29.5	8.6
15	-9	2.76	28.4	8.3
10	-12	2.70	25.8	7.6
5	-15	2.52	23.0	6.7
0	-18	2.35	20.1	5.9
-5	-21	2.18	17.3	5.1
-10	-23	2.01	14.5	4.2
-15	-26	1.84	11.7	3.4
-20	-29	1.67	8.8	2.6

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

COOLING CAPACITY - TPA048S4 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)	1425	675	47.5	13.9	3.03	.75	.89	1.00	45.0	13.2	3.43	.77	.91	1.00	43.0	12.6	3.88	.79	.93	1.00	40.5	11.9	4.40	.81	.96	1.00
	1575	745	48.5	14.2	3.03	.77	.92	1.00	46.0	13.5	3.44	.79	.94	1.00	43.5	12.7	3.89	.81	.97	1.00	41.0	12.0	4.41	.84	1.00	1.00
	1745	825	49.5	14.5	3.04	.80	.95	1.00	47.0	13.8	3.45	.82	.97	1.00	44.5	13.0	3.90	.84	1.00	1.00	42.0	12.3	4.41	.87	1.00	1.00
67°F (19°C)	1425	675	50.5	14.8	3.04	.60	.73	.85	48.0	14.1	3.45	.61	.74	.87	45.5	13.3	3.91	.62	.76	.90	43.0	12.6	4.42	.63	.78	.93
	1575	745	51.5	15.1	3.04	.61	.75	.88	49.0	14.4	3.46	.62	.77	.91	46.5	13.6	3.91	.64	.79	.94	43.5	12.7	4.42	.65	.81	.97
	1745	825	52.5	15.4	3.05	.63	.77	.91	50.0	14.7	3.47	.64	.79	.94	47.0	13.8	3.92	.65	.82	.97	44.5	13.0	4.44	.67	.84	1.00
71°F (22°C)	1425	675	53.0	15.5	3.05	.46	.59	.71	50.5	14.8	3.47	.47	.59	.72	48.0	14.1	3.93	.47	.61	.74	45.5	13.3	4.45	.48	.62	.76
	1575	745	54.5	16.0	3.06	.47	.60	.73	51.5	15.1	3.48	.47	.61	.74	49.0	14.4	3.94	.48	.62	.76	46.0	13.5	4.45	.48	.64	.79
	1745	825	55.5	16.3	3.06	.48	.62	.75	52.5	15.4	3.49	.48	.63	.77	50.0	14.7	3.94	.49	.64	.79	47.0	13.8	4.46	.50	.66	.82

COOLING CAPACITY - TPA048S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-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	47.5	13.9	3.03	.75	.88	1.00	45.0	13.2	3.43	.76	.90	1.00	42.5	12.5	3.88	.78	.93	1.00	40.0	11.7	4.40	.80	.96	1.00
	1600	755	48.5	14.2	3.04	.78	.92	1.00	46.5	13.6	3.44	.80	.95	1.00	44.0	12.9	3.89	.82	.97	1.00	41.0	12.0	4.41	.84	1.00	1.00
	1780	840	50.0	14.7	3.04	.80	.96	1.00	47.5	13.9	3.45	.83	.98	1.00	45.0	13.2	3.90	.85	1.00	1.00	42.5	12.5	4.41	.88	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	3.04	.60	.73	.85	48.0	14.1	3.45	.61	.74	.87	45.5	13.3	3.90	.62	.76	.90	42.5	12.5	4.42	.63	.78	.93
	1600	755	51.5	15.1	3.05	.62	.75	.89	49.0	14.4	3.46	.63	.77	.91	46.5	13.6	3.91	.64	.79	.94	43.5	12.7	4.43	.66	.82	.97
	1780	840	52.5	15.4	3.05	.63	.78	.92	50.0	14.7	3.47	.65	.80	.95	47.5	13.9	3.92	.66	.82	.98	44.5	13.0	4.44	.68	.85	1.00
71°F (22°C)	1400	660	53.0	15.5	3.06	.47	.58	.70	50.5	14.8	3.47	.47	.59	.72	48.0	14.1	3.93	.47	.60	.73	45.0	13.2	4.44	.48	.62	.76
	1600	755	54.5	16.0	3.06	.47	.60	.73	52.0	15.2	3.48	.48	.61	.75	49.0	14.4	3.94	.48	.63	.77	46.5	13.6	4.45	.49	.64	.79
	1780	840	55.5	16.3	3.06	.48	.62	.76	53.0	15.5	3.49	.49	.63	.78	50.0	14.7	3.95	.49	.65	.80	47.0	13.8	4.46	.50	.67	.83

HEATING CAPACITY - TPA048S4 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	
1575	745	54.1	15.9	3.43	42.6	12.5	3.17	30.4	8.9	2.90	22.5	6.6	2.55	11.4	3.3	1.86
1745	825	54.7	16.0	3.35	43.2	12.7	3.08	31.0	9.1	2.82	23.1	6.8	2.47	12.1	3.5	1.78

HEATING CAPACITY - TPA048S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-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	
1600	755	54.2	15.9	3.40	42.7	12.5	3.15	30.6	9.0	2.90	22.7	6.7	2.55	11.5	3.4	1.86
1780	840	55.0	16.1	3.33	43.5	12.7	3.07	31.3	9.2	2.82	23.4	6.9	2.47	12.3	3.6	1.78

HEATING PERFORMANCE at 1575 cfm (745 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-60D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.43	54.1	15.9
60	16	3.36	51.4	15.1
55	13	3.30	48.8	14.3
50	10	3.24	46.2	13.5
47	8	3.20	44.6	13.1
45	7	3.17	42.6	12.5
40	4	3.09	37.4	11.0
35	2	3.01	32.2	9.4
30	-1	2.96	31.3	9.2
25	-4	2.90	30.4	8.9
20	-7	2.85	29.5	8.6
17	-8	2.81	28.9	8.5
15	-9	2.79	27.9	8.2
10	-12	2.72	25.2	7.4
5	-15	2.55	22.5	6.6
0	-18	2.38	19.7	5.8
-5	-21	2.21	17.0	5.0
-10	-23	2.03	14.2	4.2
-15	-26	1.86	11.4	3.3
-20	-29	1.69	8.7	2.5

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S4 with [CH33-60D-2F + G61MPV-60D-135] [CH33-60D-2F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.40	54.2	15.9
60	16	3.34	51.6	15.1
55	13	3.28	49.0	14.4
50	10	3.22	46.4	13.6
47	8	3.18	44.8	13.1
45	7	3.15	42.7	12.5
40	4	3.08	37.6	11.0
35	2	3.01	32.4	9.5
30	-1	2.95	31.5	9.2
25	-4	2.90	30.6	9.0
20	-7	2.84	29.7	8.7
17	-8	2.81	29.1	8.5
15	-9	2.78	28.1	8.2
10	-12	2.72	25.5	7.5
5	-15	2.55	22.7	6.7
0	-18	2.38	19.9	5.8
-5	-21	2.20	17.1	5.0
-10	-23	2.03	14.3	4.2
-15	-26	1.86	11.5	3.4
-20	-29	1.69	8.7	2.5

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

COOLING CAPACITY - TPA060S4 with [CBX26UH-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)	1625	765	58.0	17.0	3.96	.73	.85	.97	55.5	16.3	4.46	.74	.87	.99	53.0	15.5	5.05	.76	.89	1.00	49.5	14.5	5.74	.77	.92	1.00
	1800	850	59.5	17.4	3.98	.74	.88	1.00	57.0	16.7	4.48	.76	.90	1.00	54.0	15.8	5.07	.77	.92	1.00	50.5	14.8	5.75	.80	.95	1.00
	1930	910	60.5	17.7	3.99	.76	.90	1.00	57.5	16.9	4.49	.77	.92	1.00	55.0	16.1	5.07	.79	.94	1.00	51.5	15.1	5.76	.81	.98	1.00
67°F (19°C)	1625	765	61.5	18.0	4.00	.58	.70	.82	59.0	17.3	4.51	.59	.71	.84	56.0	16.4	5.09	.60	.73	.86	52.5	15.4	5.77	.61	.75	.88
	1800	850	63.0	18.5	4.03	.59	.72	.85	60.0	17.6	4.53	.60	.74	.86	57.0	16.7	5.11	.61	.75	.89	53.5	15.7	5.79	.62	.77	.92
	1930	910	64.0	18.8	4.04	.60	.74	.86	61.0	17.9	4.54	.61	.75	.88	57.5	16.9	5.12	.62	.76	.91	54.5	16.0	5.80	.63	.79	.94
71°F (22°C)	1625	765	64.5	18.9	4.06	.45	.57	.68	62.0	18.2	4.56	.46	.58	.69	59.0	17.3	5.14	.46	.59	.71	55.5	16.3	5.82	.46	.59	.72
	1800	850	66.0	19.3	4.08	.46	.58	.70	63.5	18.6	4.58	.46	.59	.71	60.0	17.6	5.15	.46	.60	.73	56.5	16.6	5.84	.47	.61	.75
	1930	910	67.0	19.6	4.09	.46	.59	.71	64.0	18.8	4.59	.46	.60	.73	60.5	17.7	5.17	.46	.61	.74	57.0	16.7	5.85	.47	.62	.77

COOLING CAPACITY - TPA060S4 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	56.0	16.4	3.93	.73	.85	.96	53.5	15.7	4.43	.74	.87	.98	51.0	14.9	5.03	.76	.89	1.00	48.0	14.1	5.72	.78	.92	1.00
	1800	850	57.5	16.9	3.95	.75	.88	.99	55.0	16.1	4.46	.76	.90	1.00	52.5	15.4	5.04	.78	.93	1.00	49.5	14.5	5.74	.80	.95	1.00
	2000	945	59.0	17.3	3.97	.77	.91	1.00	56.0	16.4	4.48	.78	.93	1.00	53.5	15.7	5.06	.80	.95	1.00	50.5	14.8	5.75	.83	.98	1.00
67°F (19°C)	1600	755	59.0	17.3	3.98	.59	.71	.82	56.5	16.6	4.48	.59	.72	.84	54.0	15.8	5.06	.60	.74	.86	50.5	14.8	5.76	.62	.75	.89
	1800	850	60.5	17.7	4.00	.60	.73	.85	58.0	17.0	4.50	.61	.74	.87	55.0	16.1	5.08	.62	.76	.89	52.0	15.2	5.76	.63	.78	.93
	2000	945	62.0	18.2	4.02	.61	.75	.88	59.0	17.3	4.52	.62	.76	.90	56.0	16.4	5.10	.63	.78	.93	53.0	15.5	5.79	.65	.81	.96
71°F (22°C)	1600	755	62.0	18.2	4.02	.45	.57	.69	59.5	17.4	4.52	.46	.58	.70	56.5	16.6	5.11	.46	.59	.71	53.0	15.5	5.79	.46	.60	.73
	1800	850	63.5	18.6	4.05	.46	.59	.71	61.0	17.9	4.54	.45	.60	.72	58.0	17.0	5.13	.47	.61	.74	54.5	16.0	5.81	.47	.62	.76
	2000	945	65.0	19.0	4.07	.46	.60	.73	62.0	18.2	4.57	.47	.61	.74	59.0	17.3	5.15	.47	.62	.76	55.5	16.3	5.83	.48	.64	.79

HEATING CAPACITY - TPA060S4 with [CBX26UH-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	
1625	765	67.6	19.8	4.60	52.8	15.5	4.18	37.0	10.8	3.75	27.9	8.2	3.33	13.9	4.1	2.48
1800	850	68.1	20.0	4.45	53.4	15.6	4.04	37.5	11.0	3.60	28.5	8.4	3.18	14.5	4.2	2.33
1930	910	68.7	20.1	4.36	53.9	15.8	3.95	38.1	11.2	3.52	29.0	8.5	3.09	15.0	4.4	2.24

HEATING CAPACITY - TPA060S4 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	67.3	19.7	4.52	52.5	15.4	4.15	36.6	10.7	3.76	27.5	8.1	3.33	13.5	4.0	2.48
1800	850	68.2	20.0	4.37	53.4	15.6	3.99	37.5	11.0	3.60	28.4	8.3	3.18	14.4	4.2	2.33
2000	945	70.1	20.5	4.25	55.3	16.2	3.87	39.3	11.5	3.48	30.3	8.9	3.06	16.3	4.8	2.20

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume TPA060S4 with [CBX26UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.45	68.1	20.0
60	16	4.36	64.8	19.0
55	13	4.26	61.6	18.1
50	10	4.16	58.3	17.1
47	8	4.11	56.3	16.5
45	7	4.04	53.4	15.6
40	4	3.87	46.1	13.5
35	2	3.70	38.7	11.3
30	-1	3.65	38.1	11.2
25	-4	3.60	37.5	11.0
20	-7	3.56	36.9	10.8
17	-8	3.53	36.6	10.7
15	-9	3.49	35.3	10.3
10	-12	3.39	32.0	9.4
5	-15	3.18	28.5	8.4
0	-18	2.97	25.0	7.3
-5	-21	2.76	21.5	6.3
-10	-23	2.54	18.0	5.3
-15	-26	2.33	14.5	4.2
-20	-29	2.12	11.0	3.2

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume TPA060S4 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.37	68.2	20.0
60	16	4.28	64.9	19.0
55	13	4.19	61.6	18.1
50	10	4.10	58.3	17.1
47	8	4.05	56.3	16.5
45	7	3.99	53.4	15.6
40	4	3.85	46.0	13.5
35	2	3.71	38.7	11.3
30	-1	3.66	38.1	11.2
25	-4	3.60	37.5	11.0
20	-7	3.55	36.9	10.8
17	-8	3.52	36.5	10.7
15	-9	3.48	35.2	10.3
10	-12	3.40	31.9	9.3
5	-15	3.18	28.4	8.3
0	-18	2.97	24.9	7.3
-5	-21	2.75	21.4	6.3
-10	-23	2.54	17.9	5.2
-15	-26	2.33	14.4	4.2
-20	-29	2.11	11.0	3.2

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

COOLING CAPACITY - TPA060S4 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)	1625	765	58.0	17.0	3.96	.73	.86	.98	55.5	16.3	4.45	.75	.88	.99	52.5	15.4	5.05	.76	.90	1.00	49.5	14.5	5.73	.78	.93	1.00
	1725	815	59.0	17.3	3.96	.74	.87	.99	56.0	16.4	4.47	.76	.89	1.00	53.5	15.7	5.05	.77	.92	1.00	50.0	14.7	5.74	.79	.95	1.00
	2005	945	60.5	17.7	3.99	.77	.91	1.00	58.0	17.0	4.49	.79	.94	1.00	55.0	16.1	5.08	.81	.96	1.00	51.5	15.1	5.77	.83	.99	1.00
67°F (19°C)	1625	765	61.0	17.9	4.00	.59	.71	.83	58.5	17.1	4.50	.59	.72	.84	55.5	16.3	5.08	.60	.74	.87	52.0	15.2	5.76	.61	.76	.89
	1725	815	62.0	18.2	4.01	.59	.72	.84	59.0	17.3	4.51	.60	.73	.86	56.0	16.4	5.09	.61	.75	.88	52.5	15.4	5.78	.62	.77	.91
	2005	945	63.5	18.6	4.04	.61	.75	.88	60.5	17.7	4.54	.62	.76	.90	57.5	16.9	5.12	.63	.78	.93	54.5	16.0	5.80	.65	.81	.96
71°F (22°C)	1625	765	64.0	18.8	4.05	.46	.57	.69	61.5	18.0	4.55	.46	.58	.70	58.5	17.1	5.13	.46	.59	.71	55.0	16.1	5.80	.46	.60	.73
	1725	815	65.0	19.0	4.06	.46	.58	.70	62.0	18.2	4.56	.46	.59	.71	59.0	17.3	5.14	.46	.59	.73	55.5	16.3	5.81	.47	.61	.75
	2005	945	67.0	19.6	4.09	.46	.60	.73	64.0	18.8	4.59	.47	.61	.74	60.5	17.7	5.17	.47	.62	.76	57.0	16.7	5.84	.48	.63	.79

COOLING CAPACITY - TPA060S4 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)	1625	765	58.0	17.0	3.95	.72	.84	.96	55.5	16.3	4.46	.73	.86	.98	52.5	15.4	5.05	.75	.88	1.00	49.5	14.5	5.74	.76	.91	1.00
	1800	850	59.0	17.3	3.97	.74	.87	.99	56.5	16.6	4.47	.75	.88	1.00	54.0	15.8	5.06	.76	.91	1.00	50.5	14.8	5.74	.79	.94	1.00
	2000	945	60.5	17.7	3.99	.75	.89	1.00	58.0	17.0	4.49	.77	.91	1.00	55.0	16.1	5.07	.79	.94	1.00	51.5	15.1	5.76	.81	.97	1.00
67°F (19°C)	1625	765	60.5	17.7	3.99	.58	.70	.81	58.0	17.0	4.49	.59	.71	.83	55.0	16.1	5.08	.60	.72	.85	52.0	15.2	5.76	.61	.74	.87
	1800	850	62.0	18.2	4.01	.59	.71	.83	59.0	17.3	4.51	.60	.73	.85	56.5	16.6	5.10	.61	.74	.87	53.0	15.5	5.78	.62	.76	.90
	2000	945	63.0	18.5	4.03	.60	.73	.86	60.5	17.7	4.53	.61	.75	.88	57.5	16.9	5.11	.62	.76	.91	54.0	15.8	5.80	.63	.79	.94
71°F (22°C)	1625	765	64.0	18.8	4.04	.45	.57	.67	61.0	17.9	4.54	.46	.57	.69	58.0	17.0	5.13	.46	.58	.70	55.0	16.1	5.81	.46	.59	.72
	1800	850	65.0	19.0	4.06	.46	.58	.69	62.0	18.2	4.56	.46	.59	.70	59.0	17.3	5.14	.46	.59	.72	55.5	16.3	5.83	.47	.61	.74
	2000	945	66.0	19.3	4.08	.46	.59	.71	63.0	18.5	4.58	.46	.60	.72	60.0	17.6	5.16	.47	.61	.74	56.5	16.6	5.83	.47	.62	.76

HEATING CAPACITY - TPA060S4 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 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	
1625	765	67.3	19.7	4.58	52.6	15.4	4.17	36.8	10.8	3.74	27.8	8.1	3.29	13.9	4.1	2.44
1725	815	67.8	19.9	4.49	53.1	15.6	4.08	37.2	10.9	3.65	28.2	8.3	3.21	14.4	4.2	2.35
2005	945	69.0	20.2	4.31	54.2	15.9	3.89	38.4	11.3	3.47	29.4	8.6	3.02	15.5	4.5	2.16

HEATING CAPACITY - TPA060S4 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	
1625	765	66.6	19.5	4.80	52.1	15.3	4.36	36.5	10.7	3.90	27.5	8.1	3.47	13.6	4.0	2.58
1800	850	67.3	19.7	4.63	52.8	15.5	4.20	37.2	10.9	3.74	28.3	8.3	3.30	14.4	4.2	2.42
2000	945	68.3	20.0	4.51	53.8	15.8	4.07	38.2	11.2	3.61	29.3	8.6	3.18	15.4	4.5	2.30

HEATING PERFORMANCE at 1725 cfm (815 L/s) Indoor Coil Air Volume TPA060S4 with [CBX32MV-060] [CBX40UHV-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.49	67.8	19.9
60	16	4.40	64.5	18.9
55	13	4.30	61.2	17.9
50	10	4.20	57.9	17.0
47	8	4.14	56.0	16.4
45	7	4.08	53.1	15.6
40	4	3.93	45.7	13.4
35	2	3.77	38.4	11.3
30	-1	3.71	37.8	11.1
25	-4	3.65	37.2	10.9
20	-7	3.60	36.7	10.8
17	-8	3.56	36.3	10.6
15	-9	3.52	35.0	10.3
10	-12	3.43	31.7	9.3
5	-15	3.21	28.2	8.3
0	-18	3.00	24.8	7.3
-5	-21	2.78	21.3	6.2
-10	-23	2.57	17.8	5.2
-15	-26	2.35	14.4	4.2
-20	-29	2.14	10.9	3.2

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume TPA060S4 with [CBX32MV-068]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.63	67.3	19.7
60	16	4.53	64.0	18.8
55	13	4.43	60.8	17.8
50	10	4.33	57.6	16.9
47	8	4.27	55.6	16.3
45	7	4.20	52.8	15.5
40	4	4.01	45.6	13.4
35	2	3.83	38.4	11.3
30	-1	3.78	37.8	11.1
25	-4	3.74	37.2	10.9
20	-7	3.69	36.6	10.7
17	-8	3.66	36.3	10.6
15	-9	3.62	35.0	10.3
10	-12	3.52	31.7	9.3
5	-15	3.30	28.3	8.3
0	-18	3.08	24.8	7.3
-5	-21	2.86	21.3	6.2
-10	-23	2.64	17.8	5.2
-15	-26	2.42	14.4	4.2
-20	-29	2.20	10.9	3.2

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

COOLING CAPACITY - TPA060S4 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)	1695	800	59.0	17.3	3.97	.74	.87	.99	56.5	16.6	4.47	.76	.89	1.00	54.0	15.8	5.06	.77	.91	1.00	50.5	14.8	5.75	.79	.94	1.00
	1745	825	59.5	17.4	3.98	.75	.88	.99	57.0	16.7	4.48	.76	.90	1.00	54.0	15.8	5.07	.78	.92	1.00	51.0	14.9	5.76	.80	.95	1.00
	1945	920	61.0	17.9	4.00	.77	.91	1.00	58.5	17.1	4.50	.78	.93	1.00	55.5	16.3	5.08	.80	.96	1.00	52.0	15.2	5.77	.83	.99	1.00
67°F (19°C)	1695	800	62.5	18.3	4.02	.60	.72	.84	59.5	17.4	4.52	.61	.73	.85	56.5	16.6	5.10	.62	.75	.88	53.0	15.5	5.79	.63	.77	.90
	1745	825	62.5	18.3	4.02	.60	.73	.85	60.0	17.6	4.52	.61	.74	.86	57.0	16.7	5.11	.62	.75	.89	53.5	15.7	5.80	.63	.77	.92
	1945	920	64.0	18.8	4.05	.62	.75	.87	61.5	18.0	4.55	.62	.76	.90	58.5	17.1	5.13	.64	.78	.92	55.0	16.1	5.81	.65	.81	.96
71°F (22°C)	1695	800	65.0	19.0	4.07	.47	.58	.70	62.5	18.3	4.57	.47	.59	.71	59.5	17.4	5.15	.47	.60	.72	56.0	16.4	5.83	.48	.61	.74
	1745	825	66.0	19.3	4.08	.47	.59	.70	63.0	18.5	4.57	.47	.60	.72	60.0	17.6	5.15	.47	.61	.73	56.5	16.6	5.83	.48	.62	.75
	1945	920	67.0	19.6	4.10	.48	.60	.72	64.0	18.8	4.59	.48	.61	.74	61.0	17.9	5.18	.48	.62	.76	57.5	16.9	5.85	.49	.64	.78

COOLING CAPACITY - TPA060S4 with [CX34-62D-6F + G61MPV-60D-135] [CX34-62D-6F + G71MPP-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)	1615	760	58.5	17.1	3.96	.73	.86	.97	56.0	16.4	4.46	.75	.88	.99	53.5	15.7	5.05	.76	.90	1.00	50.0	14.7	5.74	.78	.93	1.00
	1780	840	60.0	17.6	3.98	.75	.88	1.00	57.5	16.9	4.49	.77	.90	1.00	54.5	16.0	5.07	.78	.93	1.00	51.0	14.9	5.76	.81	.96	1.00
	1985	935	61.5	18.0	4.01	.78	.91	1.00	58.5	17.1	4.51	.79	.94	1.00	55.5	16.3	5.09	.81	.96	1.00	52.5	15.4	5.77	.84	.99	1.00
67°F (19°C)	1615	760	61.5	18.0	4.01	.60	.71	.83	59.0	17.3	4.50	.60	.72	.84	56.0	16.4	5.09	.61	.74	.86	53.0	15.5	5.78	.62	.76	.89
	1780	840	63.0	18.5	4.03	.61	.73	.85	60.0	17.6	4.53	.61	.74	.87	57.0	16.7	5.11	.62	.76	.89	54.0	15.8	5.80	.63	.78	.93
	1985	935	64.5	18.9	4.05	.62	.75	.88	62.0	18.2	4.55	.63	.77	.91	58.5	17.1	5.14	.64	.79	.93	55.0	16.1	5.81	.66	.81	.97
71°F (22°C)	1615	760	65.0	19.0	4.06	.46	.57	.69	62.0	18.2	4.56	.47	.59	.70	59.0	17.3	5.14	.47	.60	.72	55.5	16.3	5.81	.47	.61	.74
	1780	840	66.0	19.3	4.08	.47	.59	.71	63.5	18.6	4.58	.48	.60	.72	60.0	17.6	5.16	.48	.61	.74	56.5	16.6	5.84	.49	.62	.76
	1985	935	67.0	19.6	4.10	.48	.61	.73	64.5	18.9	4.60	.48	.62	.75	61.0	17.9	5.18	.49	.63	.77	57.5	16.9	5.85	.49	.64	.79

HEATING CAPACITY - TPA060S4 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	
1745	825	67.1	19.7	4.66	52.5	15.4	4.23	36.9	10.8	3.77	28.0	8.2	3.34	14.2	4.2	2.45
1945	915	67.9	19.9	4.53	53.3	15.6	4.10	37.7	11.0	3.64	28.8	8.4	3.21	15.0	4.4	2.32

HEATING CAPACITY - TPA060S4 with [CX34-62D-6F + G61MPV-60D-135] [CX34-62D-6F + G71MPP-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	
1780	840	67.6	19.8	4.64	52.9	15.5	4.21	37.2	10.9	3.75	28.2	8.3	3.33	14.3	4.2	2.44
1985	935	68.3	20.0	4.52	53.6	15.7	4.09	37.9	11.1	3.64	29.0	8.5	3.21	15.1	4.4	2.32

HEATING PERFORMANCE at 1745 cfm (825 L/s) Indoor Coil Air Volume TPA060S4 with [CX34-62D-6F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.66	67.1	19.7
60	16	4.56	63.8	18.7
55	13	4.46	60.6	17.8
50	10	4.36	57.4	16.8
47	8	4.30	55.4	16.2
45	7	4.23	52.5	15.4
40	4	4.04	45.3	13.3
35	2	3.86	38.2	11.2
30	-1	3.82	37.6	11.0
25	-4	3.77	36.9	10.8
20	-7	3.73	36.3	10.6
17	-8	3.70	36.0	10.6
15	-9	3.66	34.7	10.2
10	-12	3.56	31.4	9.2
5	-15	3.34	28.0	8.2
0	-18	3.12	24.6	7.2
-5	-21	2.89	21.1	6.2
-10	-23	2.67	17.7	5.2
-15	-26	2.45	14.2	4.2
-20	-29	2.22	10.8	3.2

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S4 with [CX34-62D-6F + G61MPV-60D-135] [CX34-62D-6F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.64	67.6	19.8
60	16	4.54	64.3	18.8
55	13	4.44	61.0	17.9
50	10	4.34	57.8	16.9
47	8	4.28	55.8	16.4
45	7	4.21	52.9	15.5
40	4	4.02	45.6	13.4
35	2	3.83	38.4	11.3
30	-1	3.79	37.8	11.1
25	-4	3.75	37.2	10.9
20	-7	3.72	36.6	10.7
17	-8	3.69	36.3	10.6
15	-9	3.65	34.9	10.2
10	-12	3.55	31.7	9.3
5	-15	3.33	28.2	8.3
0	-18	3.11	24.8	7.3
-5	-21	2.88	21.3	6.2
-10	-23	2.66	17.8	5.2
-15	-26	2.44	14.3	4.2
-20	-29	2.22	10.9	3.2

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

COOLING CAPACITY - TPA060S4 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)	1645	775	56.5	16.6	3.94	.74	.87	.98	54.0	15.8	4.44	.76	.89	.99	51.5	15.1	5.03	.77	.91	1.00	48.5	14.2	5.72	.79	.94	1.00
	1700	800	57.0	16.7	3.94	.75	.88	.99	54.5	16.0	4.45	.76	.90	1.00	51.5	15.1	5.02	.78	.92	1.00	48.5	14.2	5.73	.80	.95	1.00
	1865	880	58.0	17.0	3.96	.77	.90	1.00	55.5	16.3	4.46	.78	.92	1.00	52.5	15.4	5.05	.80	.95	1.00	49.5	14.5	5.74	.82	.98	1.00
67°F (19°C)	1645	775	59.5	17.4	3.98	.60	.72	.84	57.0	16.7	4.48	.61	.73	.85	54.5	16.0	5.07	.62	.75	.88	51.0	14.9	5.75	.63	.77	.91
	1700	800	60.0	17.6	3.99	.61	.73	.84	57.5	16.9	4.49	.61	.74	.86	55.0	16.1	5.07	.62	.76	.89	51.5	15.1	5.76	.64	.78	.92
	1865	880	61.5	18.0	4.01	.62	.74	.87	58.5	17.1	4.51	.63	.76	.89	55.5	16.3	5.09	.64	.78	.92	52.5	15.4	5.76	.65	.80	.95
71°F (22°C)	1645	775	62.5	18.3	4.02	.46	.59	.70	60.0	17.6	4.53	.46	.59	.71	57.0	16.7	5.11	.47	.61	.73	54.0	15.8	5.80	.47	.62	.75
	1700	800	63.0	18.5	4.03	.46	.59	.70	60.5	17.7	4.53	.46	.60	.72	57.5	16.9	5.12	.47	.61	.73	54.0	15.8	5.80	.48	.62	.75
	1865	880	64.5	18.9	4.05	.47	.60	.72	61.5	18.0	4.55	.48	.61	.74	58.5	17.1	5.13	.48	.62	.76	55.0	16.1	5.82	.49	.64	.78

HEATING CAPACITY - TPA060S4 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	
1700	800	67.5	19.8	4.53	52.9	15.5	4.11	37.1	10.9	3.66	28.2	8.3	3.21	14.3	4.2	2.35
1865	880	68.1	20.0	4.42	53.4	15.6	3.99	37.7	11.0	3.55	28.7	8.4	3.09	14.9	4.4	2.24

HEATING PERFORMANCE at 1700 cfm (800 L/s) Indoor Coil Air Volume TPA060S4 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.53	67.5	19.8
60	16	4.43	64.3	18.8
55	13	4.33	61.0	17.9
50	10	4.23	57.8	16.9
47	8	4.17	55.8	16.4
45	7	4.11	52.9	15.5
40	4	3.94	45.6	13.4
35	2	3.78	38.3	11.2
30	-1	3.72	37.7	11.0
25	-4	3.66	37.1	10.9
20	-7	3.60	36.6	10.7
17	-8	3.56	36.2	10.6
15	-9	3.52	34.9	10.2
10	-12	3.42	31.6	9.3
5	-15	3.21	28.2	8.3
0	-18	3.00	24.7	7.2
-5	-21	2.78	21.3	6.2
-10	-23	2.57	17.8	5.2
-15	-26	2.35	14.3	4.2
-20	-29	2.14	10.9	3.2

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

COOLING CAPACITY - TPA060S4 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)	1735	820	58.5	17.1	3.96	.74	.87	.99	56.0	16.4	4.46	.76	.88	1.00	53.0	15.5	5.05	.77	.91	1.00	50.0	14.7	5.74	.79	.94	1.00
	1900	895	59.5	17.4	3.98	.76	.89	1.00	57.0	16.7	4.48	.77	.91	1.00	54.0	15.8	5.06	.79	.93	1.00	50.5	14.8	5.75	.81	.97	1.00
	1945	920	60.0	17.6	3.98	.76	.90	1.00	57.0	16.7	4.48	.78	.92	1.00	54.0	15.8	5.07	.80	.94	1.00	51.0	14.9	5.76	.82	.98	1.00
67°F (19°C)	1735	820	61.5	18.0	4.01	.60	.72	.83	59.0	17.3	4.51	.61	.73	.85	56.0	16.4	5.09	.61	.75	.88	52.5	15.4	5.77	.63	.77	.90
	1900	895	62.5	18.3	4.02	.61	.74	.86	59.5	17.4	4.52	.62	.75	.88	56.5	16.6	5.10	.63	.77	.90	53.5	15.7	5.79	.64	.79	.93
	1945	920	62.5	18.3	4.02	.61	.74	.87	60.0	17.6	4.52	.62	.75	.89	57.0	16.7	5.11	.63	.77	.91	53.5	15.7	5.79	.64	.79	.94
71°F (22°C)	1735	820	64.5	18.9	4.05	.47	.58	.69	61.5	18.0	4.55	.47	.59	.71	58.5	17.1	5.14	.48	.60	.72	55.5	16.3	5.81	.48	.61	.74
	1900	895	66.0	19.3	4.07	.47	.59	.71	63.0	18.5	4.57	.48	.60	.73	59.5	17.4	5.15	.48	.61	.74	56.0	16.4	5.84	.48	.63	.77
	1945	920	66.0	19.3	4.08	.47	.60	.72	63.0	18.5	4.57	.48	.61	.73	60.0	17.6	5.16	.48	.62	.75	56.5	16.6	5.84	.49	.63	.77

COOLING CAPACITY - TPA060S4 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)	1735	820	59.0	17.3	3.97	.74	.87	.98	56.5	16.6	4.47	.75	.88	1.00	53.5	15.7	5.06	.77	.91	1.00	50.5	14.8	5.74	.79	.94	1.00
	1900	895	60.0	17.6	3.99	.76	.89	1.00	57.5	16.9	4.49	.77	.91	1.00	54.5	16.0	5.07	.79	.94	1.00	51.5	15.1	5.76	.81	.97	1.00
	1945	920	60.5	17.7	3.99	.76	.90	1.00	58.0	17.0	4.49	.78	.92	1.00	55.0	16.1	5.08	.80	.94	1.00	51.5	15.1	5.76	.82	.97	1.00
67°F (19°C)	1735	820	62.0	18.2	4.02	.60	.72	.83	59.5	17.4	4.52	.61	.73	.85	56.5	16.6	5.10	.62	.75	.87	53.0	15.5	5.79	.63	.77	.90
	1900	895	63.5	18.6	4.04	.61	.74	.86	60.5	17.7	4.53	.62	.75	.88	57.5	16.9	5.12	.63	.77	.90	54.0	15.8	5.80	.64	.79	.93
	1945	920	63.5	18.6	4.04	.61	.74	.86	61.0	17.9	4.54	.62	.76	.88	58.0	17.0	5.12	.63	.77	.91	54.5	16.0	5.80	.65	.80	.94
71°F (22°C)	1735	820	65.0	19.0	4.07	.47	.58	.70	62.5	18.3	4.56	.47	.59	.71	59.5	17.4	5.15	.47	.60	.72	56.0	16.4	5.83	.48	.61	.74
	1900	895	67.0	19.6	4.09	.47	.60	.71	63.5	18.6	4.58	.48	.61	.73	60.5	17.7	5.16	.48	.61	.75	57.0	16.7	5.85	.49	.63	.77
	1945	920	67.0	19.6	4.09	.47	.60	.72	64.0	18.8	4.59	.48	.61	.73	60.5	17.7	5.17	.48	.62	.75	57.0	16.7	5.85	.49	.63	.77

HEATING CAPACITY - TPA060S4 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	
1900	900	67.6	19.8	4.65	53.0	15.5	4.21	37.3	10.9	3.75	28.3	8.3	3.30	14.4	4.2	2.42
1945	920	67.9	19.9	4.62	53.2	15.6	4.18	37.5	11.0	3.72	28.5	8.4	3.26	14.6	4.3	2.38

HEATING CAPACITY - TPA060S4 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	
1900	900	67.6	19.8	4.61	53.0	15.5	4.19	37.3	10.9	3.73	28.3	8.3	3.31	14.4	4.2	2.42
1945	920	67.9	19.9	4.59	53.3	15.6	4.16	37.6	11.0	3.71	28.6	8.4	3.28	14.7	4.3	2.39

HEATING PERFORMANCE at 1900 cfm (900 L/s) Indoor Coil Air Volume TPA060S4 with [CH33-60D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.65	67.6	19.8
60	16	4.55	64.4	18.9
55	13	4.45	61.1	17.9
50	10	4.34	57.9	17.0
47	8	4.28	55.9	16.4
45	7	4.21	53.0	15.5
40	4	4.04	45.7	13.4
35	2	3.86	38.4	11.3
30	-1	3.81	37.8	11.1
25	-4	3.75	37.3	10.9
20	-7	3.69	36.7	10.8
17	-8	3.66	36.4	10.7
15	-9	3.62	35.1	10.3
10	-12	3.52	31.8	9.3
5	-15	3.30	28.3	8.3
0	-18	3.08	24.8	7.3
-5	-21	2.86	21.4	6.3
-10	-23	2.64	17.9	5.2
-15	-26	2.42	14.4	4.2
-20	-29	2.20	10.9	3.2

HEATING PERFORMANCE at 1900 cfm (900 L/s) Indoor Coil Air Volume TPA060S4 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.61	67.6	19.8
60	16	4.52	64.3	18.8
55	13	4.42	61.1	17.9
50	10	4.32	57.8	16.9
47	8	4.26	55.9	16.4
45	7	4.19	53.0	15.5
40	4	4.00	45.7	13.4
35	2	3.82	38.5	11.3
30	-1	3.78	37.9	11.1
25	-4	3.73	37.3	10.9
20	-7	3.69	36.7	10.8
17	-8	3.67	36.4	10.7
15	-9	3.63	35.1	10.3
10	-12	3.53	31.8	9.3
5	-15	3.31	28.3	8.3
0	-18	3.08	24.8	7.3
-5	-21	2.86	21.4	6.3
-10	-23	2.64	17.9	5.2
-15	-26	2.42	14.4	4.2
-20	-29	2.20	10.9	3.2

REVISIONS

Description of Change
Added ratings for CBX40UHV Air Handlers.