

HEAT PUMP OUTDOOR UNITS

TP



T-CLASS™ SPLIT SYSTEM UNITS Standard Efficiency - R-22 - Expanded Rating Tables

ENGINEERING DATA

Bulletin No. 210438R

April 2009

Supersedes September 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 - TPA036S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	2.30	.75	.89	1.00	32.6	9.6	2.57	.76	.91	1.00	31.2	9.1	2.87	.78	.93	1.00	30.0	8.8	3.22	.79	.94	1.00
	1200	565	35.0	10.3	2.31	.79	.95	1.00	33.6	9.8	2.58	.81	.97	1.00	32.4	9.5	2.89	.83	.98	1.00	31.0	9.1	3.23	.84	1.00	1.00
	1400	660	36.0	10.6	2.33	.84	.99	1.00	34.8	10.2	2.60	.85	1.00	1.00	33.4	9.8	2.90	.87	1.00	1.00	32.2	9.4	3.25	.89	1.00	1.00
67°F (19°C)	1000	470	35.6	10.4	2.32	.60	.73	.86	34.4	10.1	2.59	.60	.74	.88	33.0	9.7	2.90	.61	.75	.90	31.8	9.3	3.24	.62	.77	.92
	1200	565	36.8	10.8	2.34	.62	.78	.92	35.6	10.4	2.61	.63	.79	.94	34.2	10.0	2.91	.64	.80	.96	32.6	9.6	3.26	.65	.82	.97
	1400	660	37.8	11.1	2.35	.65	.82	.97	36.4	10.7	2.62	.65	.83	.98	35.0	10.3	2.93	.67	.85	1.00	33.4	9.8	3.27	.68	.87	1.00
71°F (22°C)	1000	470	37.4	11.0	2.35	.46	.58	.71	36.2	10.6	2.62	.46	.59	.72	34.8	10.2	2.93	.46	.60	.73	33.4	9.8	3.27	.46	.61	.75
	1200	565	38.5	11.3	2.37	.47	.61	.76	37.4	11.0	2.64	.47	.62	.76	36.0	10.6	2.94	.47	.63	.78	34.6	10.1	3.29	.48	.64	.80
	1400	660	39.5	11.6	2.38	.48	.63	.79	38.5	11.3	2.65	.48	.65	.81	36.8	10.8	2.95	.48	.66	.83	35.2	10.3	3.30	.49	.67	.85

HEATING CAPACITY - TPA036S2 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
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	41.5	12.2	2.39	32.1	9.4	2.27	22.0	6.4	2.13	16.3	4.8	1.95	8.4	2.5	1.41
1405	665	41.9	12.3	2.31	32.5	9.5	2.18	22.4	6.6	2.05	16.7	4.9	1.87	8.8	2.6	1.33

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume TPA036S2 with

[CB29M-46]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	41.5	12.2
60	16	2.36	39.3	11.5
55	13	2.33	37.2	10.9
50	10	2.31	35.1	10.3
47	8	2.29	33.9	9.9
45	7	2.27	32.1	9.4
40	4	2.21	27.5	8.1
35	2	2.15	23.0	6.7
30	-1	2.14	22.5	6.6
25	-4	2.13	22.0	6.4
20	-7	2.13	21.5	6.3
17	-8	2.12	21.2	6.2
15	-9	2.11	20.4	6.0
10	-12	2.08	18.3	5.4
5	-15	1.95	16.3	4.8
0	-18	1.81	14.3	4.2
-5	-21	1.68	12.3	3.6
-10	-23	1.54	10.3	3.0
-15	-26	1.41	8.4	2.5
-20	-29	1.28	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.

AIR HANDLERS

[CB27UH-036]

COOLING CAPACITY - TPA036S2 with

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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	2.30	.76	.90	1.00	32.8	9.6	2.57	.77	.92	1.00	31.4	9.2	2.87	.78	.93	1.00	30.0	8.8	3.22	.80	.95	1.00
	1200	565	35.0	10.3	2.32	.80	.96	1.00	33.8	9.9	2.59	.81	.97	1.00	32.6	9.6	2.89	.83	.99	1.00	31.2	9.1	3.23	.85	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.33	.60	.73	.86	34.6	10.1	2.60	.61	.74	.88	33.2	9.7	2.90	.61	.76	.90	31.8	9.3	3.24	.62	.77	.92
	1200	565	37.0	10.8	2.34	.62	.77	.93	35.8	10.5	2.61	.63	.79	.94	34.4	10.1	2.92	.64	.81	.96	32.8	9.6	3.26	.65	.83	.98
71°F (22°C)	1000	470	37.6	11.0	2.35	.46	.58	.71	36.4	10.7	2.62	.46	.59	.72	35.0	10.3	2.93	.46	.60	.73	33.6	9.8	3.27	.46	.61	.75
	1200	565	39.0	11.4	2.37	.47	.61	.76	37.6	11.0	2.64	.46	.62	.76	36.2	10.6	2.94	.47	.63	.79	34.6	10.1	3.29	.48	.64	.81

COOLING CAPACITY - TPA036S2 with

[CB27UH-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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.2	10.3	2.32	.75	.89	1.00	34.0	10.0	2.59	.76	.91	1.00	32.6	9.6	2.89	.78	.93	1.00	31.2	9.1	3.23	.79	.95	1.00
	1200	565	36.6	10.7	2.34	.79	.95	1.00	35.2	10.3	2.60	.81	.97	1.00	33.8	9.9	2.91	.83	.99	1.00	32.4	9.5	3.25	.84	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.35	.59	.73	.86	36.0	10.6	2.61	.60	.74	.88	34.6	10.1	2.92	.61	.75	.90	33.2	9.7	3.27	.62	.77	.92
	1200	565	38.5	11.3	2.37	.62	.77	.92	37.2	10.9	2.63	.63	.79	.94	35.8	10.5	2.94	.64	.80	.96	34.2	10.0	3.28	.65	.82	.98
71°F (22°C)	1000	470	39.0	11.4	2.37	.45	.58	.70	37.8	11.1	2.64	.45	.59	.72	36.4	10.7	2.95	.46	.60	.73	35.0	10.3	3.29	.46	.61	.75
	1200	565	40.5	11.9	2.39	.46	.61	.75	39.0	11.4	2.66	.47	.62	.76	37.6	11.0	2.97	.47	.63	.78	36.0	10.6	3.31	.47	.64	.80

HEATING CAPACITY - TPA036S2 with

[CB27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW		
1000	470	40.4	11.8	2.46	31.0	9.1	2.36	21.0	6.2	2.26	15.2	4.5	2.10	7.6	2.2	1.54	
1200	565	40.8	12.0	2.34	31.4	9.2	2.25	21.4	6.3	2.15	15.7	4.6	1.98	8.1	2.4	1.43	

HEATING CAPACITY - TPA036S2 with

[CB27UH-042] [CBX40UHV-042]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW		
1000	470	40.3	11.8	2.53	31.0	9.1	2.40	21.1	6.2	2.25	15.4	4.5	2.05	7.8	2.3	1.52	
1200	565	40.6	11.9	2.40	31.3	9.2	2.27	21.3	6.2	2.12	15.6	4.6	1.92	8.0	2.3	1.39	

HEATING PERFORMANCE AT 1200 cfm (565 L/s) Indoor Coil

HEATING PERFORMANCE AT 1200 cfm (565 L/s) Indoor Coil

Air Volume TPA036S2 with [CB27UH-036]

Air Volume TPA036S2 with [CB27UH-042] [CBX40UHV-042]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	2.34		40.8	12.0
60	16	2.32		38.7	11.3
55	13	2.30		36.6	10.7
50	10	2.28		34.5	10.1
47	8	2.27		33.2	9.7
45	7	2.25		31.4	9.2
40	4	2.19		26.9	7.9
35	2	2.14		22.5	6.6
30	-1	2.14		21.9	6.4
25	-4	2.15		21.4	6.3
20	-7	2.15		20.9	6.1
17	-8	2.15		20.5	6.0
15	-9	2.14		19.7	5.8
10	-12	2.12		17.6	5.2
5	-15	1.98		15.7	4.6
0	-18	1.85		13.8	4.0
-5	-21	1.71		11.9	3.5
-10	-23	1.57		10.0	2.9
-15	-26	1.43		8.1	2.4
-20	-29	1.29		6.2	1.8

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	2.40		40.6	11.9
60	16	2.37		38.5	11.3
55	13	2.34		36.4	10.7
50	10	2.31		34.3	10.1
47	8	2.29		33.0	9.7
45	7	2.27		31.3	9.2
40	4	2.21		26.8	7.9
35	2	2.16		22.4	6.6
30	-1	2.14		21.9	6.4
25	-4	2.12		21.3	6.2
20	-7	2.11		20.8	6.1
17	-8	2.10		20.5	6.0
15	-9	2.09		19.6	5.7
10	-12	2.05		17.5	5.1
5	-15	1.92		15.6	4.6
0	-18	1.79		13.7	4.0
-5	-21	1.66		11.8	3.5
-10	-23	1.52		9.9	2.9
-15	-26	1.39		8.0	2.3
-20	-29	1.26		6.1	1.8

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

COOLING CAPACITY - TPA036S2 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		
						75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
63°F (17°C)	960	455	34.8	10.2	2.02	.69	.84	.99	33.5	9.8	2.28	.70	.86	1.00	32.1	9.4	2.58	.71	.88	1.00	30.7	9.0	2.93	.73	.91	1.00
	1200	565	36.2	10.6	2.03	.75	.93	1.00	34.9	10.2	2.29	.76	.95	1.00	33.5	9.8	2.59	.78	.97	1.00	32.1	9.4	2.93	.80	1.00	1.00
	1440	680	37.5	11.0	2.04	.81	1.00	1.00	36.3	10.6	2.30	.83	1.00	1.00	35.0	10.3	2.59	.85	1.00	1.00	33.6	9.8	2.93	.88	1.00	1.00
67°F (19°C)	960	455	37.2	10.9	2.04	.54	.66	.80	35.8	10.5	2.30	.54	.68	.82	34.3	10.1	2.59	.55	.69	.84	32.8	9.6	2.93	.56	.70	.87
	1200	565	38.5	11.3	2.04	.57	.72	.89	37.0	10.8	2.30	.58	.73	.92	35.4	10.4	2.60	.59	.76	.94	33.8	9.9	2.94	.60	.78	.96
	1440	680	39.4	11.5	2.05	.60	.78	.97	37.8	11.1	2.31	.62	.81	.99	36.3	10.6	2.60	.63	.83	1.00	34.6	10.1	2.95	.64	.86	1.00
71°F (22°C)	960	455	39.8	11.7	2.05	.40	.52	.64	38.3	11.2	2.31	.41	.53	.65	36.7	10.8	2.61	.41	.54	.67	35.1	10.3	2.95	.41	.55	.68
	1200	565	41.0	12.0	2.06	.42	.56	.70	39.5	11.6	2.32	.42	.57	.71	37.8	11.1	2.61	.42	.58	.73	36.1	10.6	2.96	.43	.59	.75
	1440	680	41.9	12.3	2.07	.43	.59	.76	40.3	11.8	2.33	.43	.61	.78	38.6	11.3	2.62	.44	.62	.80	36.8	10.8	2.96	.44	.63	.83

HEATING CAPACITY - TPA036S2 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	Total Heating Capacity		Comp. Motor kW Input		
																			kBtuh	kW
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
1090	515	40.7	11.9	2.40	31.3	9.2	2.31	21.2	6.2	2.21	15.5	4.5	2.05	7.8	2.3	1.50				
1225	580	41.1	12.0	2.33	31.7	9.3	2.24	21.6	6.3	2.14	15.9	4.7	1.98	8.2	2.4	1.43				
1380	650	41.5	12.2	2.28	32.1	9.4	2.19	22.0	6.4	2.09	16.3	4.8	1.93	8.6	2.5	1.38				

HEATING PERFORMANCE at 1225 cfm (558 L/s) Indoor Coil Air Volume TPA036S2 with [CBX32MV-036] [CBX40UHV-036]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	2.33		41.1	12.0
60	16	2.31		39.0	11.4
55	13	2.29		36.9	10.8
50	10	2.27		34.8	10.2
47	8	2.26		33.5	9.8
45	7	2.24		31.7	9.3
40	4	2.19		27.2	8.0
35	2	2.13		22.7	6.7
30	-1	2.14		22.2	6.5
25	-4	2.14		21.6	6.3
20	-7	2.14		21.1	6.2
17	-8	2.14		20.8	6.1
15	-9	2.14		20.0	5.9
10	-12	2.12		17.8	5.2
5	-15	1.98		15.9	4.7
0	-18	1.84		14.0	4.1
-5	-21	1.70		12.0	3.5
-10	-23	1.56		10.1	3.0
-15	-26	1.43		8.2	2.4
-20	-29	1.29		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.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA036S2 with

[C33-36C + G61MPV-60C-110]

[C33-36C + G71MPP-60C-110]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume (cfm, L/s), Total Cooling Capacity (kBtuh, kW), and Comp Motor kW Input. Rows are categorized by Outdoor Air Temperature (85°F, 95°F, 105°F, 115°F) and Sensible To Total Ratio (S/T) Dry Bulb. Values are provided for 1290 and 1405 cfm.

COOLING CAPACITY - TPA036S2 with

[C33-42B + G60UHV-36B-090]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume (cfm, L/s), Total Cooling Capacity (kBtuh, kW), and Comp Motor kW Input. Rows are categorized by Outdoor Air Temperature (85°F, 95°F, 105°F, 115°F) and Sensible To Total Ratio (S/T) Dry Bulb. Values are provided for 1035, 1225, and 1385 cfm.

HEATING CAPACITY - TPA036S2 with

[C33-36C + G61MPV-60C-110]

[C33-36C + G71MPP-60C-110]

Table with columns for Indoor Coil Air Volume (70°F db, 21°C db) and Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F). Rows show Total Heating Capacity (kBtuh, kW) and Comp. Motor kW Input for 1290 and 1405 cfm.

HEATING CAPACITY - TPA036S2 with

[C33-42B + G60UHV-36B-090]

Table with columns for Indoor Coil Air Volume (70°F db, 21°C db) and Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F). Rows show Total Heating Capacity (kBtuh, kW) and Comp. Motor kW Input for 1035, 1225, and 1385 cfm.

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume TPA036S2 with

[C33-36C + G61MPV-60C-110]

[C33-36C + G71MPP-60C-110]

Table showing heating performance metrics: *Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW) for various outdoor temperatures from 65°F to -20°F.

HEATING PERFORMANCE at 1225 cfm (580 L/s) Indoor Coil Air Volume TPA036S2 with

[C33-42B + G60UHV-36B-090]

Table showing heating performance metrics: *Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW) for various outdoor temperatures from 65°F to -20°F.

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NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA036S2 with

[CR33-30/36C-F + G61MPV-60C-090]
[CR33-30/36C-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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	35.6	10.4	2.32	.80	.96	1.00	34.4	10.1	2.59	.82	.97	1.00	33.0	9.7	2.90	.83	.99	1.00	31.6	9.3	3.24	.85	1.00	1.00
	1380	650	36.0	10.6	2.33	.82	.98	1.00	34.8	10.2	2.60	.84	.99	1.00	33.4	9.8	2.91	.86	1.00	1.00	32.0	9.4	3.25	.87	1.00	1.00
67°F (19°C)	1275	600	37.2	10.9	2.35	.63	.78	.93	36.0	10.6	2.62	.64	.80	.94	34.6	10.1	2.92	.65	.81	.96	33.2	9.7	3.27	.66	.83	.98
	1380	650	37.8	11.1	2.35	.64	.80	.95	36.4	10.7	2.62	.65	.82	.97	35.0	10.3	2.93	.66	.83	.99	33.6	9.8	3.28	.67	.85	1.00
71°F (22°C)	1275	600	39.0	11.4	2.37	.47	.62	.76	37.8	11.1	2.65	.47	.63	.77	36.4	10.7	2.95	.47	.63	.79	35.0	10.3	3.30	.48	.65	.81
	1380	650	39.5	11.6	2.38	.47	.63	.78	38.5	11.3	2.65	.48	.64	.80	36.8	10.8	2.96	.48	.65	.81	35.4	10.4	3.30	.49	.66	.83

COOLING CAPACITY - TPA036S2 with

[CR33-30/36C-F + G61MPV-60C-110]
[CR33-30/36C-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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	35.6	10.4	2.33	.81	.96	1.00	34.4	10.1	2.60	.82	.98	1.00	33.0	9.7	2.90	.84	.99	1.00	31.6	9.3	3.25	.86	1.00	1.00
	1405	665	36.2	10.6	2.33	.83	.98	1.00	35.0	10.3	2.60	.84	.99	1.00	33.6	9.8	2.91	.86	1.00	1.00	32.2	9.4	3.26	.88	1.00	1.00
67°F (19°C)	1290	610	37.4	11.0	2.35	.63	.79	.93	36.0	10.6	2.62	.64	.80	.95	34.6	10.1	2.93	.65	.82	.97	33.2	9.7	3.27	.66	.83	.99
	1405	665	37.8	11.1	2.35	.64	.81	.96	36.4	10.7	2.62	.65	.82	.97	35.2	10.3	2.93	.66	.84	.99	33.6	9.8	3.28	.67	.86	1.00
71°F (22°C)	1290	610	39.0	11.4	2.38	.47	.62	.76	37.8	11.1	2.65	.47	.63	.78	36.4	10.7	2.95	.48	.64	.79	35.0	10.3	3.30	.48	.65	.81
	1405	665	39.5	11.6	2.38	.48	.63	.79	38.5	11.3	2.65	.48	.64	.80	37.0	10.8	2.96	.48	.65	.82	35.4	10.4	3.30	.49	.67	.84

HEATING CAPACITY - TPA036S2 with

[CR33-30/36C-F + G61MPV-60C-090]
[CR33-30/36C-F + G71MPP-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)	Air Volume		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	kBtuh	kW			
1275	600	41.1	12.0	2.33	31.7	9.3	2.17	21.7	6.4	1.99	15.9	4.7	1.78	8.2	2.4	1.29
1380	650	41.3	12.1	2.30	31.9	9.3	2.13	21.9	6.4	1.95	16.1	4.7	1.74	8.4	2.5	1.25

HEATING CAPACITY - TPA036S2 with

[CR33-30/36C-F + G61MPV-60C-110]
[CR33-30/36C-F + G71MPP-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)	Air Volume		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	kBtuh	kW			
1290	610	41.1	12.0	2.32	31.7	9.3	2.16	21.7	6.4	1.99	15.9	4.7	1.77	8.2	2.4	1.29
1405	665	41.3	12.1	2.29	31.9	9.3	2.12	21.9	6.4	1.95	16.1	4.7	1.74	8.4	2.5	1.25

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume TPA036S2 with [CR33-30/36C-F + G61MPV-60C-090]
[CR33-30/36C-F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.33	41.1	12.0
60	16	2.29	39.0	11.4
55	13	2.25	36.9	10.8
50	10	2.21	34.8	10.2
47	8	2.19	33.5	9.8
45	7	2.17	31.7	9.3
40	4	2.10	27.2	8.0
35	2	2.04	22.7	6.7
30	-1	2.02	22.2	6.5
25	-4	1.99	21.7	6.4
20	-7	1.97	21.1	6.2
17	-8	1.95	20.8	6.1
15	-9	1.94	20.0	5.9
10	-12	1.90	17.9	5.2
5	-15	1.78	15.9	4.7
0	-18	1.65	14.0	4.1
-5	-21	1.53	12.1	3.5
-10	-23	1.41	10.1	3.0
-15	-26	1.29	8.2	2.4
-20	-29	1.17	6.2	1.8

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume TPA036S2 with [CR33-30/36C-F + G61MPV-60C-110]
[CR33-30/36C-F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.32	41.1	12.0
60	16	2.29	39.0	11.4
55	13	2.25	36.9	10.8
50	10	2.21	34.8	10.2
47	8	2.18	33.5	9.8
45	7	2.16	31.7	9.3
40	4	2.10	27.2	8.0
35	2	2.03	22.7	6.7
30	-1	2.01	22.2	6.5
25	-4	1.99	21.7	6.4
20	-7	1.96	21.1	6.2
17	-8	1.95	20.8	6.1
15	-9	1.93	20.0	5.9
10	-12	1.89	17.8	5.2
5	-15	1.77	15.9	4.7
0	-18	1.65	14.0	4.1
-5	-21	1.53	12.0	3.5
-10	-23	1.41	10.1	3.0
-15	-26	1.29	8.2	2.4
-20	-29	1.17	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.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA036S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	2.30	.74	.87	.99	32.8	9.6	2.58	.75	.89	1.00	31.8	9.3	2.88	.77	.91	1.00	30.4	8.9	3.23	.78	.93	1.00
	1195	565	34.8	10.2	2.31	.77	.91	1.00	33.8	9.9	2.59	.78	.93	1.00	32.6	9.6	2.89	.79	.95	1.00	31.2	9.1	3.24	.81	.97	1.00
	1330	630	35.4	10.4	2.32	.79	.94	1.00	34.4	10.1	2.60	.80	.96	1.00	33.2	9.7	2.90	.82	.98	1.00	31.8	9.3	3.25	.84	1.00	1.00
67°F (19°C)	1040	490	35.8	10.5	2.33	.59	.72	.84	34.8	10.2	2.60	.60	.73	.86	33.6	9.8	2.91	.61	.74	.88	32.2	9.4	3.26	.62	.76	.90
	1195	565	36.8	10.8	2.34	.61	.74	.88	35.6	10.4	2.61	.62	.76	.89	34.4	10.1	2.92	.62	.77	.92	33.0	9.7	3.27	.63	.79	.94
	1330	630	37.4	11.0	2.35	.62	.76	.91	36.2	10.6	2.62	.63	.78	.93	35.0	10.3	2.93	.64	.80	.95	33.6	9.8	3.28	.65	.81	.98
71°F (22°C)	1040	490	37.8	11.1	2.36	.45	.58	.70	36.6	10.7	2.63	.45	.59	.71	35.4	10.4	2.94	.45	.59	.72	34.0	10.0	3.28	.46	.60	.73
	1195	565	38.5	11.3	2.37	.46	.59	.72	37.4	11.0	2.64	.46	.60	.73	36.2	10.6	2.95	.46	.61	.75	34.8	10.2	3.29	.47	.62	.77
	1330	630	39.5	11.6	2.38	.47	.61	.74	38.0	11.1	2.65	.47	.62	.76	36.8	10.8	2.96	.48	.63	.77	35.4	10.4	3.30	.48	.64	.79

HEATING CAPACITY - TPA036S2 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
1040	490	40.4	11.8	2.55	31.1	9.1	2.37	21.2	6.2	2.17	15.5	4.5	1.94	7.8	2.3	1.44
1195	565	40.7	11.9	2.47	31.4	9.2	2.28	21.5	6.3	2.09	15.8	4.6	1.86	8.1	2.4	1.35
1330	630	41.1	12.0	2.41	31.8	9.3	2.22	21.8	6.4	2.02	16.2	4.7	1.79	8.5	2.5	1.29

HEATING PERFORMANCE at 1195 cfm (565 L/s) Indoor Coil

Air Volume TPA036S2 with [CR33-48B-F + G60DFV-36B-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.47	40.7	11.9
60	16	2.42	38.7	11.3
55	13	2.38	36.6	10.7
50	10	2.34	34.5	10.1
47	8	2.31	33.2	9.7
45	7	2.28	31.4	9.2
40	4	2.21	27.0	7.9
35	2	2.14	22.5	6.6
30	-1	2.11	22.0	6.4
25	-4	2.09	21.5	6.3
20	-7	2.06	21.0	6.2
17	-8	2.04	20.7	6.1
15	-9	2.03	19.8	5.8
10	-12	1.98	17.7	5.2
5	-15	1.86	15.8	4.6
0	-18	1.73	13.9	4.1
-5	-21	1.61	12.0	3.5
-10	-23	1.48	10.0	2.9
-15	-26	1.35	8.1	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.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA036S2 with

[CH23-41 + G61MPV-60C-110]
[CH23-41 + 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)					
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
63°F (17°C)	1290	610	34.6	10.1	2.31	.78	.93	1.00	33.6	9.8	2.58	.79	.95	1.00	32.4	9.5	2.89	.81	.97	1.00	31.2	9.1	3.24	.83	.99	1.00
	1405	665	35.2	10.3	2.32	.80	.96	1.00	34.2	10.0	2.59	.81	.97	1.00	33.0	9.7	2.90	.83	.99	1.00	32.0	9.4	3.25	.85	1.00	1.00
67°F (19°C)	1290	610	36.6	10.7	2.34	.62	.76	.90	35.4	10.4	2.61	.63	.77	.92	34.2	10.0	2.92	.63	.79	.94	32.8	9.6	3.27	.65	.81	.96
	1405	665	37.2	10.9	2.35	.63	.78	.93	36.0	10.6	2.62	.64	.79	.95	34.6	10.1	2.92	.65	.81	.97	33.2	9.7	3.27	.66	.83	.99
71°F (22°C)	1290	610	39.0	11.4	2.37	.46	.61	.74	37.6	11.0	2.64	.46	.61	.75	36.4	10.7	2.95	.47	.62	.77	35.0	10.3	3.30	.47	.64	.79
	1405	665	39.5	11.6	2.38	.47	.62	.76	38.0	11.1	2.65	.47	.63	.77	36.8	10.8	2.96	.47	.63	.79	35.4	10.4	3.31	.48	.65	.81

COOLING CAPACITY - TPA036S2 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)					
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
63°F (17°C)	1060	500	34.4	10.1	2.31	.77	.91	1.00	33.2	9.7	2.58	.78	.92	1.00	31.8	9.3	2.88	.79	.94	1.00	30.4	8.9	3.23	.81	.97	1.00
	1185	560	35.0	10.3	2.32	.79	.94	1.00	33.8	9.9	2.59	.80	.96	1.00	32.4	9.5	2.89	.82	.98	1.00	31.2	9.1	3.24	.83	1.00	1.00
	1395	660	36.2	10.6	2.33	.83	.99	1.00	35.0	10.3	2.60	.84	1.00	1.00	33.6	9.8	2.91	.86	1.00	1.00	32.4	9.5	3.26	.88	1.00	1.00
67°F (19°C)	1060	500	36.0	10.6	2.33	.61	.74	.88	34.8	10.2	2.60	.61	.76	.89	33.4	9.8	2.91	.62	.77	.91	32.2	9.4	3.25	.63	.78	.93
	1185	560	36.8	10.8	2.34	.62	.77	.91	35.6	10.4	2.61	.63	.78	.93	34.2	10.0	2.92	.64	.80	.95	32.8	9.6	3.27	.65	.81	.97
	1395	660	37.8	11.1	2.36	.65	.81	.97	36.4	10.7	2.63	.65	.82	.98	35.2	10.3	2.93	.66	.84	1.00	33.6	9.8	3.28	.68	.86	1.00
71°F (22°C)	1060	500	37.4	11.0	2.35	.46	.59	.72	36.2	10.6	2.62	.46	.60	.73	35.0	10.3	2.93	.47	.61	.75	33.6	9.8	3.28	.47	.62	.76
	1185	560	38.5	11.3	2.37	.47	.61	.75	37.0	10.8	2.64	.47	.62	.76	35.6	10.4	2.94	.47	.63	.77	34.2	10.0	3.29	.47	.64	.79
	1395	660	39.5	11.6	2.38	.48	.64	.79	38.0	11.1	2.65	.48	.64	.80	36.8	10.8	2.96	.49	.66	.82	35.4	10.4	3.30	.49	.67	.84

HEATING CAPACITY - TPA036S2 with

[CH23-41 + G61MPV-60C-110]
[CH23-41 + 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)						
cfm	L/s	Total Heating Capacity		Comp. 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
1290	610	40.9	12.0	2.44	31.6	9.3	2.25	21.6	6.3	2.07	15.9	4.7	1.84	8.2	2.4	1.34
1405	665	41.2	12.1	2.40	31.9	9.3	2.21	21.9	6.4	2.03	16.2	4.7	1.80	8.5	2.5	1.30

HEATING CAPACITY - TPA036S2 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)						
cfm	L/s	Total Heating Capacity		Comp. 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
1060	500	40.5	11.9	2.57	31.1	9.1	2.41	21.2	6.2	2.25	15.5	4.5	2.05	7.8	2.3	1.50
1185	560	40.7	11.9	2.50	31.4	9.2	2.34	21.5	6.3	2.18	15.8	4.6	1.98	8.1	2.4	1.43
1395	660	41.3	12.1	2.40	31.9	9.3	2.24	22.0	6.4	2.08	16.3	4.8	1.88	8.6	2.5	1.33

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume TPA036S2 with

[CH23-41 + G61MPV-60C-110]
[CH23-41 + G71MPP-60C-110]

HEATING PERFORMANCE at 1185 cfm (560 L/s) Indoor Coil Air Volume TPA036S2 with

[CH33-36C + G61MPV-36C-090]
[CH33-36C + G71MPP-36C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	40.9	12.0
60	16	2.39	38.8	11.4
55	13	2.35	36.7	10.8
50	10	2.31	34.6	10.1
47	8	2.28	33.4	9.8
45	7	2.25	31.6	9.3
40	4	2.19	27.1	7.9
35	2	2.12	22.6	6.6
30	-1	2.09	22.1	6.5
25	-4	2.07	21.6	6.3
20	-7	2.04	21.1	6.2
17	-8	2.02	20.8	6.1
15	-9	2.01	19.9	5.8
10	-12	1.96	17.9	5.2
5	-15	1.84	15.9	4.7
0	-18	1.71	14.0	4.1
-5	-21	1.59	12.0	3.5
-10	-23	1.46	10.1	3.0
-15	-26	1.34	8.2	2.4
-20	-29	1.21	6.2	1.8

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.50	40.7	11.9
60	16	2.46	38.6	11.3
55	13	2.43	36.5	10.7
50	10	2.39	34.5	10.1
47	8	2.37	33.2	9.7
45	7	2.34	31.4	9.2
40	4	2.28	27.0	7.9
35	2	2.21	22.5	6.6
30	-1	2.20	22.0	6.4
25	-4	2.18	21.5	6.3
20	-7	2.17	21.0	6.2
17	-8	2.16	20.7	6.1
15	-9	2.15	19.8	5.8
10	-12	2.11	17.7	5.2
5	-15	1.98	15.8	4.6
0	-18	1.84	13.9	4.1
-5	-21	1.71	12.0	3.5
-10	-23	1.57	10.0	2.9
-15	-26	1.43	8.1	2.4
-20	-29	1.30	6.2	1.8

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.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA036S2 with

[CH33-36C-2F + G61MPV-60C-090]
[CH33-36C-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)											
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	35.6	10.4	2.32	.81	.97	1.00	34.4	10.1	2.60	.82	.98	1.00	33.0	9.7	2.90	.84	1.00	1.00	31.8	9.3	3.25	.85	1.00	1.00
	1380	650	36.0	10.6	2.33	.83	.99	1.00	34.8	10.2	2.60	.84	1.00	1.00	33.6	9.8	2.91	.86	1.00	1.00	32.4	9.5	3.26	.88	1.00	1.00
67°F (19°C)	1275	600	37.2	10.9	2.35	.63	.78	.94	36.0	10.6	2.62	.64	.80	.95	34.6	10.1	2.93	.65	.81	.97	33.2	9.7	3.27	.66	.83	.99
	1380	650	37.8	11.1	2.36	.64	.81	.96	36.4	10.7	2.63	.65	.82	.98	35.2	10.3	2.93	.66	.84	.99	33.6	9.8	3.28	.68	.86	1.00
71°F (22°C)	1275	600	39.0	11.4	2.37	.47	.62	.76	37.6	11.0	2.64	.48	.63	.78	36.2	10.6	2.95	.48	.64	.79	34.8	10.2	3.29	.48	.65	.81
	1380	650	39.5	11.6	2.38	.48	.63	.78	38.0	11.1	2.65	.48	.64	.80	36.8	10.8	2.96	.49	.65	.82	35.2	10.3	3.30	.49	.67	.84

COOLING CAPACITY - TPA036S2 with

[CH33-36C-2F + G61MPV-60C-110]
[CH33-36C-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)											
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	35.6	10.4	2.32	.81	.97	1.00	34.4	10.1	2.60	.82	.98	1.00	33.0	9.7	2.90	.84	1.00	1.00	31.8	9.3	3.25	.86	1.00	1.00
	1405	665	36.2	10.6	2.33	.83	.99	1.00	35.0	10.3	2.60	.85	1.00	1.00	33.8	9.9	2.91	.86	1.00	1.00	32.4	9.5	3.26	.88	1.00	1.00
67°F (19°C)	1290	610	37.4	11.0	2.35	.63	.79	.94	36.0	10.6	2.62	.64	.80	.96	34.8	10.2	2.93	.65	.82	.98	33.2	9.7	3.27	.66	.84	1.00
	1405	665	38.0	11.1	2.36	.65	.81	.97	36.6	10.7	2.63	.65	.82	.98	35.2	10.3	2.93	.66	.84	1.00	33.6	9.8	3.28	.68	.86	1.00
71°F (22°C)	1290	610	39.0	11.4	2.37	.47	.62	.77	37.8	11.1	2.64	.48	.63	.78	36.4	10.7	2.95	.48	.64	.80	34.8	10.2	3.30	.48	.65	.82
	1405	665	39.5	11.6	2.38	.48	.64	.79	38.5	11.3	2.65	.48	.65	.80	36.8	10.8	2.96	.49	.66	.82	35.4	10.4	3.30	.49	.67	.84

HEATING CAPACITY - TPA036S2 with

[CH33-36C-2F + G61MPV-60C-090]
[CH33-36C-2F + G71MPP-60C-090]

Indoor Coil Air Volume 70°F db (21°C db)	Air Volume		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)	
	cfm	L/s	Total Heating Capacity		Comp. 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	
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
1275	600	40.9	12.0	2.44	31.5	9.2	2.30	21.6	6.3	2.15	15.9	4.7	1.96	8.1	2.4	1.42
1380	650	41.1	12.0	2.39	31.8	9.3	2.25	21.8	6.4	2.10	16.1	4.7	1.91	8.4	2.5	1.37

HEATING CAPACITY - TPA036S2 with

[CH33-36C-2F + G61MPV-60C-110]
[CH33-36C-2F + G71MPP-60C-110]

Indoor Coil Air Volume 70°F db (21°C db)	Air Volume		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)	
	cfm	L/s	Total Heating Capacity		Comp. 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	
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
1290	610	40.9	12.0	2.43	31.5	9.2	2.29	21.6	6.3	2.15	15.8	4.6	1.95	8.1	2.4	1.41
1405	665	41.1	12.0	2.38	31.8	9.3	2.24	21.8	6.4	2.10	16.1	4.7	1.90	8.4	2.5	1.36

HEATING PERFORMANCE at 1275 cfm (600 L/s) Indoor Coil Air Volume TPA036S2 with [CH33-36C-2F + G61MPV-60C-090]
[CH33-36C-2F + G71MPP-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.50	40.7	11.9
60	16	2.46	38.6	11.3
55	13	2.43	36.5	10.7
50	10	2.39	34.5	10.1
47	8	2.37	33.2	9.7
45	7	2.34	31.4	9.2
40	4	2.28	27.0	7.9
35	2	2.21	22.5	6.6
30	-1	2.20	22.0	6.4
25	-4	2.18	21.5	6.3
20	-7	2.17	21.0	6.2
17	-8	2.16	20.7	6.1
15	-9	2.15	19.8	5.8
10	-12	2.11	17.7	5.2
5	-15	1.98	15.8	4.6
0	-18	1.84	13.9	4.1
-5	-21	1.71	12.0	3.5
-10	-23	1.57	10.0	2.9
-15	-26	1.43	8.1	2.4
-20	-29	1.30	6.2	1.8

HEATING PERFORMANCE at 1290 cfm (610 L/s) Indoor Coil Air Volume TPA036S2 with [CH33-36C-2F + G61MPV-60C-110]
[CH33-36C-2F + G71MPP-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	40.9	12.0
60	16	2.40	38.8	11.4
55	13	2.37	36.7	10.8
50	10	2.34	34.6	10.1
47	8	2.32	33.3	9.8
45	7	2.29	31.5	9.2
40	4	2.23	27.1	7.9
35	2	2.17	22.6	6.6
30	-1	2.16	22.1	6.5
25	-4	2.15	21.6	6.3
20	-7	2.14	21.0	6.2
17	-8	2.13	20.7	6.1
15	-9	2.12	19.9	5.8
10	-12	2.09	17.8	5.2
5	-15	1.95	15.8	4.6
0	-18	1.82	13.9	4.1
-5	-21	1.68	12.0	3.5
-10	-23	1.55	10.1	3.0
-15	-26	1.41	8.1	2.4
-20	-29	1.28	6.2	1.8

RATINGS

4 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

COOLING CAPACITY - TPA048S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	50.0	14.7	3.21	.75	.87	.99	48.5	14.2	3.58	.76	.89	1.00	46.5	13.6	4.01	.77	.90	1.00	44.5	13.0	4.52	.78	.92	1.00
1600	755	51.5	15.1	3.22	.77	.91	1.00	50.0	14.7	3.59	.78	.93	1.00	48.0	14.1	4.03	.80	.95	1.00	46.0	13.5	4.53	.81	.97	1.00	
67°F (19°C)	1400	660	52.5	15.4	3.24	.60	.72	.84	51.0	14.9	3.61	.61	.73	.85	49.0	14.4	4.04	.61	.74	.87	47.0	13.8	4.55	.62	.76	.89
1600	755	54.0	15.8	3.26	.62	.75	.88	52.5	15.4	3.63	.62	.76	.90	50.5	14.8	4.06	.63	.78	.91	48.0	14.1	4.56	.64	.79	.94	
71°F (22°C)	1400	660	55.5	16.3	3.28	.47	.58	.70	53.5	15.7	3.65	.47	.59	.71	51.5	15.1	4.08	.47	.60	.73	49.5	14.5	4.58	.47	.61	.73
1600	755	57.0	16.7	3.31	.47	.61	.73	55.0	16.1	3.67	.48	.61	.74	53.0	15.5	4.10	.48	.62	.75	51.0	14.9	4.59	.48	.63	.77	

COOLING CAPACITY - TPA048S2 with

[CB27UH-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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	48.5	14.2	3.18	.74	.87	.99	47.0	13.8	3.56	.75	.89	1.00	45.0	13.2	4.00	.76	.90	1.00	43.0	12.6	4.51	.77	.92	1.00
1600	755	50.0	14.7	3.20	.77	.91	1.00	48.0	14.1	3.57	.78	.93	1.00	46.5	13.6	4.01	.79	.95	1.00	44.5	13.0	4.52	.81	.97	1.00	
67°F (19°C)	1400	660	51.0	14.9	3.22	.59	.72	.84	49.5	14.5	3.59	.59	.72	.85	47.5	13.9	4.03	.60	.74	.87	45.5	13.3	4.54	.61	.75	.89
1600	755	52.5	15.4	3.24	.60	.74	.88	50.5	14.8	3.61	.61	.75	.90	49.0	14.4	4.04	.62	.77	.92	47.0	13.8	4.55	.63	.79	.94	
71°F (22°C)	1400	660	53.5	15.7	3.26	.45	.57	.69	52.0	15.2	3.63	.45	.58	.70	50.0	14.7	4.06	.45	.59	.71	48.0	14.1	4.56	.46	.60	.73
1600	755	55.0	16.1	3.28	.46	.59	.72	53.5	15.7	3.65	.46	.60	.73	51.0	14.9	4.07	.46	.61	.75	49.0	14.4	4.57	.46	.62	.76	

HEATING CAPACITY - TPA048S2 with

[CBX26UH-048]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW		
1400	660	57.1	16.7	3.38	44.5	13.0	3.27	30.9	9.1	3.13	24.1	7.1	3.00	12.1	3.5	2.19	
1600	755	57.3	16.8	3.25	44.8	13.1	3.13	31.1	9.1	2.99	24.3	7.1	2.86	12.3	3.6	2.05	

HEATING CAPACITY - TPA048S2 with

[CB27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW		
1400	660	57.1	16.7	3.16	44.1	12.9	2.96	30.0	8.8	2.73	22.9	6.7	2.53	11.5	3.4	1.87	
1600	755	57.6	16.9	3.05	44.6	13.1	2.85	30.6	9.0	2.62	23.4	6.9	2.42	12.0	3.5	1.76	

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S2 with

[CBX26UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.25	57.3	16.8
60	16	3.23	54.6	16.0
55	13	3.21	51.9	15.2
50	10	3.20	49.2	14.4
47	8	3.19	47.5	13.9
45	7	3.13	44.8	13.1
40	4	3.00	37.9	11.1
35	2	2.87	31.1	9.1
30	-1	2.93	31.1	9.1
25	-4	2.99	31.1	9.1
20	-7	3.05	31.2	9.1
17	-8	3.08	31.2	9.1
15	-9	3.08	30.1	8.8
10	-12	3.06	27.4	8.0
5	-15	2.86	24.4	7.2
0	-18	2.66	21.4	6.3
-5	-21	2.46	18.4	5.4
-10	-23	2.25	15.4	4.5
-15	-26	2.05	12.4	3.6
-20	-29	1.85	9.4	2.8

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S2 with

[CB27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	57.5	16.9
60	16	3.01	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.65	30.2	8.9
15	-9	2.63	29.1	8.5
10	-12	2.59	26.2	7.7
5	-15	2.42	23.4	6.9
0	-18	2.26	20.5	6.0
-5	-21	2.09	17.6	5.2
-10	-23	1.92	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

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NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

[CB27UH-060]

COOLING CAPACITY - TPA048S2 with

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		
kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17°C)	1260	595	46.5	13.6	3.16	.71	.83	.93	45.0	13.2	3.54	.72	.84	.95	43.5	12.7	3.99	.73	.85	.97	41.5	12.2	4.50	.74	.87	.98
	1600	755	49.0	14.4	3.19	.75	.88	.99	47.5	13.9	3.57	.76	.90	1.00	45.5	13.3	4.01	.77	.92	1.00	44.0	12.9	4.52	.79	.94	1.00
67°F (19°C)	1260	595	49.0	14.4	3.19	.58	.69	.80	47.5	13.9	3.57	.58	.70	.81	45.5	13.3	4.01	.59	.71	.82	44.0	12.9	4.52	.60	.72	.84
	1600	755	51.5	15.1	3.23	.60	.73	.85	50.0	14.7	3.60	.61	.74	.87	48.0	14.1	4.03	.62	.75	.89	46.0	13.5	4.54	.62	.77	.91
71°F (22°C)	1260	595	51.0	14.9	3.22	.45	.57	.67	49.5	14.5	3.59	.45	.57	.68	48.0	14.1	4.03	.45	.58	.69	46.0	13.5	4.54	.46	.58	.70
	1600	755	54.0	15.8	3.26	.46	.59	.71	52.5	15.4	3.63	.46	.60	.72	50.5	14.8	4.06	.46	.60	.73	48.5	14.2	4.56	.46	.61	.75

COOLING CAPACITY - TPA048S2 with

[CB30M-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		
kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		kBtuh	kW	75°F 24°C	80°F 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	49.0	14.4	3.19	.75	.88	1.00	47.0	13.8	3.56	.76	.90	1.00	45.5	13.3	4.00	.77	.92	1.00	43.5	12.7	4.52	.79	.94	1.00
	1600	755	50.0	14.7	3.20	.78	.92	1.00	48.5	14.2	3.58	.79	.94	1.00	46.5	13.6	4.02	.81	.96	1.00	44.5	13.0	4.53	.82	.98	1.00
67°F (19°C)	1400	660	51.5	15.1	3.22	.60	.73	.85	50.0	14.7	3.60	.61	.74	.87	48.0	14.1	4.03	.61	.75	.88	46.0	13.5	4.54	.62	.76	.90
	1600	755	53.0	15.5	3.24	.62	.76	.89	51.0	14.9	3.61	.63	.77	.91	49.0	14.4	4.04	.63	.78	.93	47.0	13.8	4.55	.64	.80	.95
71°F (22°C)	1400	660	54.0	15.8	3.26	.46	.59	.70	52.0	15.2	3.63	.47	.59	.71	50.5	14.8	4.06	.47	.60	.73	48.5	14.2	4.56	.47	.61	.74
	1600	755	55.5	16.3	3.28	.47	.61	.74	53.5	15.7	3.65	.47	.61	.75	51.5	15.1	4.08	.48	.62	.76	49.5	14.5	4.58	.48	.63	.78

HEATING CAPACITY - TPA048S2 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW					
1260	595	56.7	16.6	3.27	43.7	12.8	3.07	29.7	8.7	2.85	22.5	6.6	2.65	11.1	3.3	1.98	
1600	755	57.5	16.9	3.04	44.5	13.0	2.85	30.5	8.9	2.62	23.3	6.8	2.43	11.9	3.5	1.76	

HEATING CAPACITY - TPA048S2 with

[CB30M-51]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW					
1400	660	57.2	16.8	3.12	44.5	13.0	2.99	30.6	9.0	2.83	23.7	6.9	2.71	11.9	3.5	1.98	
1600	755	57.6	16.9	3.01	44.8	13.1	2.88	31.0	9.1	2.72	24.1	7.1	2.59	12.2	3.6	1.87	

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S2 with

[CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.04	57.5	16.9
60	16	3.00	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.66	30.2	8.9
15	-9	2.64	29.0	8.5
10	-12	2.60	26.2	7.7
5	-15	2.43	23.3	6.8
0	-18	2.26	20.5	6.0
-5	-21	2.10	17.6	5.2
-10	-23	1.93	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S2 with

[CB30M-51]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.01	57.6	16.9
60	16	2.99	54.8	16.1
55	13	2.97	52.0	15.2
50	10	2.94	49.2	14.4
47	8	2.93	47.6	14.0
45	7	2.88	44.8	13.1
40	4	2.75	38.0	11.1
35	2	2.61	31.1	9.1
30	-1	2.67	31.0	9.1
25	-4	2.72	31.0	9.1
20	-7	2.77	31.0	9.1
17	-8	2.80	30.9	9.1
15	-9	2.80	29.8	8.7
10	-12	2.77	27.0	7.9
5	-15	2.59	24.1	7.1
0	-18	2.41	21.1	6.2
-5	-21	2.23	18.2	5.3
-10	-23	2.05	15.2	4.5
-15	-26	1.87	12.2	3.6
-20	-29	1.68	9.3	2.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

COOLING CAPACITY - TPA048S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	49.0	14.4	3.19	.75	.89	1.00	47.5	13.9	3.56	.76	.90	1.00	45.5	13.3	4.00	.78	.92	1.00	43.5	12.7	4.52	.79	.94	1.00
	1625	765	50.0	14.7	3.20	.78	.93	1.00	48.5	14.2	3.58	.79	.94	1.00	46.5	13.6	4.02	.81	.96	1.00	44.5	13.0	4.53	.82	.98	1.00
	1820	860	51.5	15.1	3.22	.81	.97	1.00	49.5	14.5	3.60	.83	.98	1.00	48.0	14.1	4.03	.84	.99	1.00	46.0	13.5	4.53	.86	1.00	1.00
67°F (19°C)	1425	675	51.5	15.1	3.23	.60	.73	.86	50.0	14.7	3.60	.61	.74	.87	48.0	14.1	4.03	.62	.75	.89	46.0	13.5	4.54	.62	.77	.91
	1625	765	53.0	15.5	3.25	.62	.76	.90	51.0	14.9	3.61	.62	.77	.91	49.0	14.4	4.04	.63	.78	.93	47.0	13.8	4.55	.64	.80	.95
	1820	860	54.0	15.8	3.26	.64	.79	.94	52.0	15.2	3.63	.65	.81	.96	50.5	14.8	4.06	.66	.82	.97	48.0	14.1	4.56	.67	.84	.99
71°F (22°C)	1425	675	54.0	15.8	3.27	.46	.59	.71	52.5	15.4	3.63	.46	.59	.72	50.5	14.8	4.06	.47	.60	.73	48.5	14.2	4.56	.47	.61	.74
	1625	765	55.5	16.3	3.28	.47	.60	.74	53.5	15.7	3.65	.47	.61	.75	51.5	15.1	4.08	.47	.62	.76	49.5	14.5	4.58	.48	.63	.78
	1820	860	56.5	16.6	3.30	.48	.63	.77	55.0	16.1	3.67	.49	.64	.78	53.0	15.5	4.10	.49	.65	.80	50.5	14.8	4.59	.50	.66	.82

HEATING CAPACITY - TPA048S2 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	
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW			
1425	675	57.1	16.7	3.10	44.3	13.0	2.97	30.6	9.0	2.82	23.6	6.9	2.69	12.0	3.5	1.97
1625	765	57.2	16.8	2.98	44.4	13.0	2.86	30.6	9.0	2.70	23.7	6.9	2.58	12.1	3.5	1.86
1820	860	58.3	17.1	2.92	45.6	13.4	2.79	31.8	9.3	2.64	24.9	7.3	2.51	13.2	3.9	1.79

HEATING PERFORMANCE at 1625 cfm (765 L/s) Indoor Coil Air Volume TPA048S2 with [CBX32MV-048] [CBX40UHV-048]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C			kBtuh	kW
65	18	2.98		57.2	16.8
60	16	2.96		54.4	15.9
55	13	2.94		51.6	15.1
50	10	2.92		48.8	14.3
47	8	2.91		47.2	13.8
45	7	2.86		44.4	13.0
40	4	2.73		37.6	11.0
35	2	2.60		30.8	9.0
30	-1	2.65		30.7	9.0
25	-4	2.70		30.6	9.0
20	-7	2.76		30.6	9.0
17	-8	2.79		30.5	8.9
15	-9	2.78		29.4	8.6
10	-12	2.76		26.7	7.8
5	-15	2.58		23.7	6.9
0	-18	2.40		20.8	6.1
-5	-21	2.22		17.9	5.2
-10	-23	2.04		15.0	4.4
-15	-26	1.86		12.1	3.5
-20	-29	1.67		9.2	2.7

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA048S2 with

[C33-50/60C + G60UHV-60C-090]

Table with 21 columns: Entering Wet Bulb Temperature, Total Air Volume, and Cooling Capacity/Comp Motor kW for 85°F, 95°F, 105°F, and 115°F outdoor air temperatures.

COOLING CAPACITY - TPA048S2 with

[C33-50/60C + G60UHV-60C-110]

Table with 21 columns: Entering Wet Bulb Temperature, Total Air Volume, and Cooling Capacity/Comp Motor kW for 85°F, 95°F, 105°F, and 115°F outdoor air temperatures.

HEATING CAPACITY - TPA048S2 with

[C33-50/60C + G60UHV-60C-090]

Table with 19 columns: Indoor Coil Air Volume and Heating Capacity/Comp. Motor kW for 65°F, 45°F, 25°F, 5°F, and -15°F air temperatures.

HEATING CAPACITY - TPA048S2 with

[C33-50/60C + G60UHV-60C-110]

Table with 19 columns: Indoor Coil Air Volume and Heating Capacity/Comp. Motor kW for 65°F, 45°F, 25°F, 5°F, and -15°F air temperatures.

HEATING PERFORMANCE AT 1635 cfm (770 L/s) Indoor Coil Air Volume TPA048S2 with [C33-50/60C + G60UHV-60C-090]

Table with 5 columns: Outdoor Temperature and Compressor Motor kW Input/Total Output (kBtuh, kW) for various outdoor temperatures.

HEATING PERFORMANCE AT 1600 cfm (770 L/s) Indoor Coil Air Volume TPA048S2 with [C33-50/60C + G60UHV-60C-110]

Table with 5 columns: Outdoor Temperature and Compressor Motor kW Input/Total Output (kBtuh, kW) for various outdoor temperatures.

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA048S2 with

[CR33-50/60C-F + G61MPV-60C-110]
[CR33-50/60C-F + G71MPP-60C-110]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume (cfm, L/s), Total Cooling Capacity (kBtuh, kW), and Sensible To Total Ratio (S/T) Dry Bulb for outdoor air temperatures of 85°F, 95°F, 105°F, and 115°F.

COOLING CAPACITY - TPA048S2 with

[CR33-60D-F + G60DFV-60D-135]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume (cfm, L/s), Total Cooling Capacity (kBtuh, kW), and Sensible To Total Ratio (S/T) Dry Bulb for outdoor air temperatures of 85°F, 95°F, 105°F, and 115°F.

HEATING CAPACITY - TPA048S2 with

[CR33-50/60C-F + G61MPV-60C-110]
[CR33-50/60C-F + G71MPP-60C-110]

Table with columns for Indoor Coil Air Volume (70°F db), Total Heating Capacity (kBtuh, kW), and Comp. Motor kW Input for air temperatures of 65°F, 45°F, 25°F, 5°F, and -15°F.

HEATING CAPACITY - TPA048S2 with

[CR33-60D-F + G60DFV-60D-135]

Table with columns for Indoor Coil Air Volume (70°F db), Total Heating Capacity (kBtuh, kW), and Comp. Motor kW Input for air temperatures of 65°F, 45°F, 25°F, 5°F, and -15°F.

HEATING PERFORMANCE at 1605 cfm (760 L/s) Indoor Coil Air Volume TPA048S2 with

[CR33-50/60C-F + G61MPV-60C-110]
[CR33-50/60C-F + G71MPP-60C-110]

Table with columns for *Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

HEATING PERFORMANCE at 1645 cfm (775 L/s) Indoor Coil Air Volume TPA048S2 with

[CR33-60D-F + G60DFV-60D-135]

Table with columns for *Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA048S2 with

[CR33-60D-F + G61MPV-60D-135]
[CR33-60D-F + G71MPP-60D-135]

Entering Wet Bulb Temperature	Total Air Volume cfm L/s		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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1500	710	48.5	14.2	3.18	.75	.89	.99	47.0	13.8	3.57	.77	.90	1.00	45.5	13.3	4.00	.78	.92	1.00	43.5	12.7	4.51	.79	.94	1.00
	1600	755	49.5	14.5	3.20	.77	.91	1.00	47.5	13.9	3.57	.78	.93	1.00	46.0	13.5	4.01	.80	.95	1.00	44.0	12.9	4.52	.81	.97	1.00
	1780	840	50.0	14.7	3.20	.79	.94	1.00	48.5	14.2	3.58	.81	.96	1.00	47.0	13.8	4.02	.82	.98	1.00	45.0	13.2	4.53	.84	.99	1.00
67°F (19°C)	1500	710	51.0	14.9	3.22	.60	.73	.86	49.5	14.5	3.60	.61	.74	.87	48.0	14.1	4.03	.62	.76	.89	46.0	13.5	4.54	.63	.77	.91
	1600	755	52.0	15.2	3.23	.62	.75	.88	50.5	14.8	3.60	.62	.76	.90	48.5	14.2	4.04	.63	.77	.91	46.5	13.6	4.54	.64	.79	.94
	1780	840	53.0	15.5	3.24	.63	.77	.91	51.5	15.1	3.62	.64	.79	.93	49.5	14.5	4.05	.65	.80	.95	47.5	13.9	4.55	.66	.82	.97
71°F (22°C)	1500	710	54.0	15.8	3.26	.46	.59	.71	52.0	15.2	3.63	.47	.60	.72	50.5	14.8	4.06	.47	.60	.73	48.5	14.2	4.56	.47	.62	.75
	1600	755	54.5	16.0	3.27	.47	.60	.73	53.0	15.5	3.64	.47	.61	.74	51.0	14.9	4.07	.48	.62	.75	49.0	14.4	4.56	.48	.63	.77
	1780	840	55.5	16.3	3.28	.48	.62	.75	53.5	15.7	3.65	.48	.63	.76	52.0	15.2	4.08	.49	.64	.78	49.5	14.5	4.57	.49	.65	.80

HEATING CAPACITY - TPA048S2 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	kBtuh	kW
1500	710	56.9	16.7	3.06	44.2	13.0	2.90	30.3	8.9	2.72	23.4	6.9	2.58	11.7	3.4	1.87		
1600	755	57.4	16.8	3.01	44.6	13.1	2.86	30.8	9.0	2.67	23.9	7.0	2.53	12.1	3.5	1.83		
1780	840	57.9	17.0	2.94	45.1	13.2	2.79	31.3	9.2	2.60	24.3	7.1	2.46	12.6	3.7	1.76		

**HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume TPA048S2 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	3.01	57.4	16.8
60	16	2.98	54.6	16.0
55	13	2.96	51.8	15.2
50	10	2.93	49.1	14.4
47	8	2.91	47.4	13.9
45	7	2.86	44.6	13.1
40	4	2.72	37.8	11.1
35	2	2.58	31.0	9.1
30	-1	2.63	30.9	9.1
25	-4	2.67	30.8	9.0
20	-7	2.72	30.7	9.0
17	-8	2.75	30.7	9.0
15	-9	2.74	29.6	8.7
10	-12	2.71	26.8	7.9
5	-15	2.53	23.9	7.0
0	-18	2.36	20.9	6.1
-5	-21	2.18	18.0	5.3
-10	-23	2.00	15.1	4.4
-15	-26	1.83	12.1	3.5
-20	-29	1.65	9.2	2.7

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NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

COOLING CAPACITY - TPA060S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1835	865	59.0	17.3	3.68	.76	.90	1.00	56.5	16.6	4.13	.78	.92	1.00	54.5	16.0	4.64	.79	.94	1.00	52.0	15.2	5.22	.80	.96	1.00
67°F (19°C)	1835	865	62.5	18.3	3.72	.60	.74	.87	60.0	17.6	4.17	.61	.75	.89	58.0	17.0	4.68	.61	.76	.91	55.5	16.3	5.26	.62	.78	.93
71°F (22°C)	1835	865	66.0	19.3	3.76	.46	.59	.71	63.5	18.6	4.22	.46	.60	.73	61.0	17.9	4.72	.47	.60	.74	58.5	17.1	5.30	.47	.61	.75

COOLING CAPACITY - TPA060S2 with

[CB27UH-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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	55.0	16.1	3.63	.74	.87	.98	53.5	15.7	4.09	.75	.88	.99	51.5	15.1	4.61	.76	.90	1.00	49.5	14.5	5.19	.78	.92	1.00
	1800	850	56.5	16.6	3.65	.76	.90	1.00	55.0	16.1	4.11	.77	.92	1.00	53.0	15.5	4.62	.79	.93	1.00	51.0	14.9	5.21	.80	.95	1.00
	1940	915	57.5	16.9	3.66	.78	.92	1.00	56.0	16.4	4.12	.79	.94	1.00	54.0	15.8	4.64	.80	.95	1.00	51.5	15.1	5.22	.82	.97	1.00
67°F (19°C)	1600	755	58.5	17.1	3.67	.60	.72	.84	56.5	16.6	4.13	.60	.73	.85	54.5	16.0	4.64	.61	.74	.87	52.5	15.4	5.22	.62	.75	.89
	1800	850	60.0	17.6	3.69	.61	.74	.87	58.0	17.0	4.15	.62	.75	.88	56.0	16.4	4.66	.62	.77	.90	53.5	15.7	5.24	.63	.78	.92
	1940	915	61.0	17.9	3.70	.62	.76	.89	59.0	17.3	4.16	.63	.77	.91	56.5	16.6	4.67	.63	.78	.93	54.5	16.0	5.25	.64	.80	.95
71°F (22°C)	1600	755	61.5	18.0	3.71	.46	.58	.70	59.5	17.4	4.17	.46	.59	.71	57.5	16.9	4.68	.46	.60	.72	55.0	16.1	5.26	.46	.60	.73
	1800	850	63.0	18.5	3.73	.46	.60	.72	61.0	17.9	4.18	.47	.60	.73	59.0	17.3	4.70	.47	.61	.74	56.5	16.6	5.27	.47	.62	.76
	1940	915	64.0	18.8	3.74	.47	.61	.74	62.0	18.2	4.20	.47	.61	.75	60.0	17.6	4.71	.47	.62	.76	57.5	16.9	5.28	.48	.63	.78

HEATING CAPACITY - TPA060S2 with

[CBX26UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW				
1835	865	67.3	19.7	4.26	52.9	15.5	3.89	37.5	11.0	3.51	28.2	8.3	3.08	14.6	4.3	2.26						

HEATING CAPACITY - TPA060S2 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW				
1600	755	67.3	19.7	4.19	52.7	15.4	3.85	37.2	10.9	3.50	27.8	8.1	3.14	14.2	4.2	2.33						
1800	850	67.1	19.7	4.04	52.6	15.4	3.71	37.1	10.9	3.36	27.7	8.1	3.00	14.1	4.1	2.19						
1940	915	68.7	20.1	3.97	54.2	15.9	3.63	38.7	11.3	3.28	29.3	8.6	2.92	15.7	4.6	2.11						

HEATING PERFORMANCE at 1835 cfm (865 L/s) Indoor Coil Air Volume TPA060S2 with

[CBX26UH-060]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	4.26		66.9	19.6
60	16	4.17		63.6	18.6
55	13	4.08		60.4	17.7
50	10	3.99		57.1	16.7
47	8	3.94		55.2	16.2
45	7	3.89		52.4	15.4
40	4	3.76		45.6	13.4
35	2	3.63		38.8	11.4
30	-1	3.57		38.0	11.1
25	-4	3.51		37.1	10.9
20	-7	3.45		36.2	10.6
17	-8	3.41		35.7	10.5
15	-9	3.38		34.4	10.1
10	-12	3.29		31.1	9.1
5	-15	3.08		27.7	8.1
0	-18	2.88		24.3	7.1
-5	-21	2.67		20.9	6.1
-10	-23	2.46		17.5	5.1
-15	-26	2.26		14.1	4.1
-20	-29	2.05		10.7	3.1

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume TPA060S2 with

[CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	4.04		67.1	19.7
60	16	3.97		63.9	18.7
55	13	3.89		60.6	17.8
50	10	3.81		57.3	16.8
47	8	3.77		55.3	16.2
45	7	3.71		52.6	15.4
40	4	3.56		45.7	13.4
35	2	3.42		38.9	11.4
30	-1	3.39		38.0	11.1
25	-4	3.36		37.1	10.9
20	-7	3.32		36.2	10.6
17	-8	3.31		35.6	10.4
15	-9	3.28		34.3	10.1
10	-12	3.20		31.0	9.1
5	-15	3.00		27.7	8.1
0	-18	2.79		24.3	7.1
-5	-21	2.59		20.9	6.1
-10	-23	2.39		17.5	5.1
-15	-26	2.19		14.1	4.1
-20	-29	1.98		10.7	3.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

[CB30M-65]

COOLING CAPACITY - TPA060S2 with

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Outdoor Air Temperature (85°F, 95°F, 105°F, 115°F), Total Cooling Capacity, and Sensible To Total Ratio (S/T) Dry Bulb.

COOLING CAPACITY - TPA060S2 with

[CBX32MV-048] [CBX40UHV-048]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Outdoor Air Temperature (85°F, 95°F, 105°F, 115°F), Total Cooling Capacity, and Sensible To Total Ratio (S/T) Dry Bulb.

HEATING CAPACITY - TPA060S2 with

[CB30M-65]

Table with columns for Indoor Coil Air Volume, Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F), Total Heating Capacity, and Comp. Motor kW Input.

HEATING CAPACITY - TPA060S2 with

[CBX32MV-048] [CBX40UHV-048]

Table with columns for Indoor Coil Air Volume, Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F), Total Heating Capacity, and Comp. Motor kW Input.

HEATING PERFORMANCE at 1725 cfm (815 L/s) Indoor Coil Air Volume TPA060S2 with

[CB30M-65]

Table with columns for Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

HEATING PERFORMANCE at 1725 cfm (815 L/s) Indoor Coil Air Volume TPA060S2 with

[CBX32MV-048] [CBX40UHV-048]

Table with columns for Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

AIR HANDLERS

COOLING CAPACITY - TPA060S2 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)					
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1525	720	56.0	16.4	3.65	.73	.86	.98	54.5	16.0	4.10	.74	.87	.99	52.5	15.4	4.62	.75	.89	1.00	50.0	14.7	5.20	.76	.91	1.00
	1725	815	58.0	17.0	3.67	.75	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	53.5	15.7	4.63	.78	.93	1.00	51.5	15.1	5.21	.79	.95	1.00
	1865	880	58.5	17.1	3.68	.77	.91	1.00	57.0	16.7	4.13	.78	.93	1.00	54.5	16.0	4.64	.80	.95	1.00	52.0	15.2	5.22	.81	.97	1.00
67°F (19°C)	1525	720	59.5	17.4	3.68	.58	.71	.83	57.5	16.9	4.14	.59	.72	.84	55.0	16.1	4.65	.60	.73	.85	53.0	15.5	5.23	.60	.74	.87
	1725	815	61.0	17.9	3.71	.60	.73	.86	59.0	17.3	4.16	.60	.74	.87	56.5	16.6	4.67	.61	.75	.89	54.0	15.8	5.25	.62	.77	.91
	1865	880	62.0	18.2	3.71	.61	.75	.88	59.5	17.4	4.17	.62	.76	.90	57.5	16.9	4.68	.62	.77	.92	55.0	16.1	5.25	.63	.79	.94
71°F (22°C)	1525	720	62.5	18.3	3.72	.45	.57	.68	60.5	17.7	4.18	.45	.58	.69	58.5	17.1	4.69	.46	.58	.70	56.0	16.4	5.27	.46	.59	.72
	1725	815	64.0	18.8	3.74	.46	.59	.71	62.0	18.2	4.20	.46	.59	.72	59.5	17.4	4.71	.46	.60	.73	57.5	16.9	5.28	.47	.61	.75
	1865	880	65.0	19.0	3.76	.46	.59	.72	63.0	18.5	4.21	.46	.60	.74	60.5	17.7	4.72	.47	.61	.75	58.0	17.0	5.29	.47	.62	.77

COOLING CAPACITY - TPA060S2 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)			
	cfm	L/s	Total Heating Capacity		Comp. 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			
		kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW		
1525	720	67.1	19.7	4.34	52.6	15.4	3.97	37.2	10.9	3.58	27.8	8.1	3.19	14.3	4.2	2.38				
1725	815	66.9	19.6	4.18	52.3	15.3	3.81	36.9	10.8	3.41	27.5	8.1	3.03	14.0	4.1	2.22				
1865	880	68.6	20.1	4.09	54.1	15.9	3.72	38.7	11.3	3.32	29.3	8.6	2.94	15.8	4.6	2.13				

HEATING PERFORMANCE at 1725 cfm (815 L/s) Indoor Coil Air Volume TPA060S2 with [CBX32MV-060] [CBX40UHV-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.18	66.9	19.6
60	16	4.09	63.6	18.6
55	13	4.01	60.3	17.7
50	10	3.92	57.0	16.7
47	8	3.87	55.1	16.1
45	7	3.81	52.3	15.3
40	4	3.65	45.5	13.3
35	2	3.49	38.7	11.3
30	-1	3.45	37.8	11.1
25	-4	3.41	36.9	10.8
20	-7	3.38	36.0	10.6
17	-8	3.35	35.4	10.4
15	-9	3.32	34.1	10.0
10	-12	3.23	30.9	9.1
5	-15	3.03	27.5	8.1
0	-18	2.83	24.1	7.1
-5	-21	2.62	20.7	6.1
-10	-23	2.42	17.4	5.1
-15	-26	2.22	14.0	4.1
-20	-29	2.01	10.6	3.1

RATINGS

5 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[C33-60D + 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		
						75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1700	800	57.5	16.9	3.66	.76	.89	1.00	55.5	16.3	4.12	.77	.90	1.00	53.5	15.7	4.63	.78	.92	1.00	51.5	15.1	5.21	.79	.94	1.00
	1900	895	59.0	17.3	3.68	.78	.92	1.00	57.0	16.7	4.13	.79	.93	1.00	54.5	16.0	4.65	.80	.95	1.00	52.5	15.4	5.23	.82	.98	1.00
	2095	990	60.0	17.6	3.69	.80	.95	1.00	58.0	17.0	4.14	.82	.97	1.00	56.0	16.4	4.66	.83	.99	1.00	53.5	15.7	5.24	.85	1.00	1.00
67°F (19°C)	1700	800	60.5	17.7	3.70	.81	.73	.85	58.5	17.1	4.15	.81	.74	.87	56.5	16.6	4.67	.82	.76	.88	54.0	15.8	5.25	.83	.77	.91
	1900	895	62.0	18.2	3.72	.82	.75	.89	60.0	17.6	4.17	.83	.77	.90	57.5	16.9	4.68	.83	.78	.92	55.5	16.3	5.26	.84	.80	.94
	2095	990	63.0	18.5	3.73	.83	.78	.92	61.0	17.9	4.18	.84	.79	.94	59.0	17.3	4.70	.85	.81	.96	56.5	16.6	5.27	.87	.83	.98
71°F (22°C)	1700	800	64.0	18.8	3.74	.87	.59	.71	62.0	18.2	4.19	.87	.60	.72	59.5	17.4	4.71	.87	.61	.73	57.5	16.9	5.28	.88	.61	.75
	1900	895	65.0	19.0	3.76	.87	.60	.73	63.0	18.5	4.21	.88	.61	.74	61.0	17.9	4.72	.88	.62	.76	58.5	17.1	5.30	.88	.63	.77
	2095	990	66.0	19.3	3.77	.88	.63	.76	64.0	18.8	4.22	.89	.63	.77	61.5	18.0	4.73	.89	.64	.79	59.5	17.4	5.31	.90	.65	.80

COOLING CAPACITY - TPA060S2 with

[C33-60D + G61MPV-60D-135]
[C33-60D + 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		
						75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1525	720	56.0	16.4	3.65	.74	.86	.98	54.5	16.0	4.10	.75	.87	.99	52.5	15.4	4.62	.76	.89	1.00	50.0	14.7	5.20	.77	.91	1.00
	1780	840	58.0	17.0	3.67	.77	.90	1.00	56.0	16.4	4.12	.78	.92	1.00	54.0	15.8	4.64	.79	.93	1.00	52.0	15.2	5.21	.81	.96	1.00
	1985	935	59.5	17.4	3.69	.80	.94	1.00	57.5	16.9	4.14	.81	.95	1.00	55.5	16.3	4.65	.82	.98	1.00	53.0	15.5	5.23	.84	.99	1.00
67°F (19°C)	1525	720	59.0	17.3	3.68	.80	.72	.83	57.0	16.7	4.14	.80	.72	.84	55.0	16.1	4.65	.81	.74	.86	53.0	15.5	5.23	.82	.75	.88
	1780	840	61.5	18.0	3.71	.81	.74	.87	59.0	17.3	4.16	.82	.75	.88	57.0	16.7	4.67	.83	.77	.90	54.5	16.0	5.25	.84	.78	.92
	1985	935	63.0	18.5	3.73	.83	.77	.90	60.5	17.7	4.18	.84	.78	.92	58.5	17.1	4.69	.85	.80	.94	56.0	16.4	5.27	.86	.82	.96
71°F (22°C)	1525	720	62.5	18.3	3.72	.87	.58	.69	60.5	17.7	4.18	.87	.59	.70	58.5	17.1	4.69	.87	.59	.71	56.0	16.4	5.27	.88	.60	.72
	1780	840	64.5	18.9	3.75	.87	.59	.72	62.5	18.3	4.20	.88	.60	.73	60.0	17.6	4.71	.88	.62	.74	58.0	17.0	5.29	.88	.62	.76
	1985	935	66.0	19.3	3.77	.88	.62	.75	63.5	18.6	4.22	.89	.63	.76	61.5	18.0	4.73	.89	.64	.78	59.0	17.3	5.31	.90	.65	.79

HEATING CAPACITY - TPA060S2 with

[C33-60D + 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)					
cfm	L/s	Total Heating Capacity	Comp. 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	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	
1699	800	66.4	19.5	4.53	51.9	15.2	4.12	36.5	10.7	3.70	27.2	8.0	3.26	13.6	4.0	2.43
1900	895	66.8	19.6	4.39	52.3	15.3	3.98	36.9	10.8	3.56	27.6	8.1	3.13	14.0	4.1	2.29
2095	990	67.5	19.8	4.27	53.0	15.5	3.86	37.7	11.0	3.44	28.3	8.3	3.00	14.8	4.3	2.17

HEATING CAPACITY - TPA060S2 with

[C33-60D + G61MPV-60D-135] [C33-60D + 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)					
cfm	L/s	Total Heating Capacity	Comp. 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	Total Heating Capacity	Comp. Motor kW Input			
1526	720	66.3	19.4	4.71	51.9	15.2	4.30	36.6	10.7	3.87	27.4	8.0	3.43	13.8	4.0	2.58
1780	840	66.6	19.5	4.46	52.2	15.3	4.05	36.9	10.8	3.62	27.7	8.1	3.19	14.1	4.1	2.34
1986	935	67.9	19.9	4.36	53.6	15.7	3.95	38.3	11.2	3.52	29.0	8.5	3.09	15.4	4.5	2.24

HEATING PERFORMANCE at 1900 cfm (895 L/s) Indoor Coil Air Volume TPA060S2 with

[C33-60D + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW	kW	kBtuh	kW
65	18	4.39	4.39	66.8	19.6
60	16	4.30	4.30	63.5	18.6
55	13	4.20	4.20	60.3	17.7
50	10	4.10	4.10	57.0	16.7
47	8	4.05	4.05	55.0	16.1
45	7	3.98	3.98	52.3	15.3
40	4	3.83	3.83	45.5	13.3
35	2	3.67	3.67	38.7	11.3
30	-1	3.61	3.61	37.8	11.1
25	-4	3.56	3.56	36.9	10.8
20	-7	3.50	3.50	36.1	10.6
17	-8	3.47	3.47	35.5	10.4
15	-9	3.43	3.43	34.2	10.0
10	-12	3.33	3.33	31.0	9.1
5	-15	3.13	3.13	27.6	8.1
0	-18	2.92	2.92	24.2	7.1
-5	-21	2.71	2.71	20.8	6.1
-10	-23	2.50	2.50	17.4	5.1
-15	-26	2.29	2.29	14.0	4.1
-20	-29	2.08	2.08	10.7	3.1

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 with

[C33-60D + G61MPV-60D-135]
[C33-60D + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW	kW	kBtuh	kW
65	18	4.46	4.46	66.6	19.5
60	16	4.37	4.37	63.3	18.6
55	13	4.27	4.27	60.1	17.6
50	10	4.17	4.17	56.9	16.7
47	8	4.12	4.12	54.9	16.1
45	7	4.05	4.05	52.2	15.3
40	4	3.89	3.89	45.4	13.3
35	2	3.73	3.73	38.7	11.3
30	-1	3.68	3.68	37.8	11.1
25	-4	3.62	3.62	36.9	10.8
20	-7	3.57	3.57	36.1	10.6
17	-8	3.54	3.54	35.6	10.4
15	-9	3.50	3.50	34.3	10.1
10	-12	3.40	3.40	31.1	9.1
5	-15	3.19	3.19	27.7	8.1
0	-18	2.97	2.97	24.3	7.1
-5	-21	2.76	2.76	20.9	6.1
-10	-23	2.55	2.55	17.5	5.1
-15	-26	2.34	2.34	14.1	4.1
-20	-29	2.12	2.12	10.7	3.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[C33-62C + 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 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	58.5	17.1	3.67	.76	.89	1.00	56.5	16.6	4.13	.77	.91	1.00	54.5	16.0	4.64	.79	.93	1.00	52.0	15.2	5.22	.80	.95	1.00
	1845	870	60.0	17.6	3.69	.79	.93	1.00	58.0	17.0	4.15	.80	.95	1.00	56.0	16.4	4.66	.82	.97	1.00	53.5	15.7	5.24	.83	.99	1.00
	2085	985	62.0	18.2	3.72	.83	.98	1.00	60.0	17.6	4.17	.84	1.00	1.00	57.5	16.9	4.68	.86	1.00	1.00	55.5	16.3	5.26	.88	1.00	1.00
67°F (19°C)	1625	765	62.0	18.2	3.71	.61	.73	.86	60.0	17.6	4.17	.62	.75	.88	57.5	16.9	4.68	.62	.76	.89	55.0	16.1	5.26	.63	.77	.91
	1845	870	63.5	18.6	3.73	.62	.77	.90	61.0	17.9	4.19	.64	.78	.92	59.0	17.3	4.69	.64	.79	.94	56.5	16.6	5.27	.65	.81	.96
	2085	985	65.0	19.0	3.75	.65	.80	.95	62.5	18.3	4.21	.66	.82	.97	60.5	17.7	4.71	.67	.83	.99	58.0	17.0	5.29	.68	.85	1.00
71°F (22°C)	1625	765	65.0	19.0	3.75	.47	.59	.71	63.0	18.5	4.21	.47	.60	.73	60.5	17.7	4.72	.48	.61	.74	58.0	17.0	5.30	.48	.62	.75
	1845	870	67.0	19.6	3.78	.47	.61	.74	64.5	18.9	4.23	.48	.62	.75	62.0	18.2	4.74	.48	.63	.77	59.5	17.4	5.32	.49	.64	.79
	2085	985	68.0	19.9	3.80	.49	.64	.78	66.0	19.3	4.25	.50	.65	.79	63.5	18.6	4.76	.50	.66	.81	61.0	17.9	5.34	.51	.67	.83

COOLING CAPACITY - TPA060S2 with

[C33-62C + 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1515	715	57.5	16.9	3.66	.75	.87	.99	55.5	16.3	4.12	.76	.89	1.00	53.5	15.7	4.63	.77	.91	1.00	51.5	15.1	5.21	.78	.93	1.00
	1780	840	59.5	17.4	3.69	.78	.92	1.00	57.5	16.9	4.14	.79	.94	1.00	55.5	16.3	4.65	.80	.96	1.00	53.0	15.5	5.23	.82	.98	1.00
	1975	930	61.0	17.9	3.71	.80	.96	1.00	59.0	17.3	4.16	.83	.98	1.00	57.0	16.7	4.67	.84	1.00	1.00	54.5	16.0	5.25	.86	1.00	1.00
67°F (19°C)	1515	715	61.0	17.9	3.71	.60	.72	.84	59.0	17.3	4.16	.61	.73	.86	57.0	16.7	4.67	.61	.75	.87	54.5	16.0	5.25	.62	.76	.89
	1780	840	63.0	18.5	3.73	.62	.76	.89	61.0	17.9	4.18	.62	.77	.90	58.5	17.1	4.69	.63	.78	.92	56.0	16.4	5.27	.64	.80	.95
	1975	930	64.5	18.9	3.75	.65	.79	.93	62.0	18.2	4.20	.65	.80	.95	60.0	17.6	4.71	.66	.82	.97	57.5	16.9	5.29	.67	.84	.99
71°F (22°C)	1515	715	64.0	18.8	3.74	.47	.58	.70	62.0	18.2	4.20	.47	.59	.71	60.0	17.6	4.71	.47	.60	.72	57.5	16.9	5.28	.47	.60	.74
	1780	840	66.0	19.3	3.77	.47	.61	.73	64.0	18.8	4.22	.48	.61	.75	61.5	18.0	4.73	.48	.62	.76	59.0	17.3	5.31	.48	.63	.78
	1975	930	68.0	19.9	3.79	.49	.63	.76	65.0	19.0	4.24	.49	.64	.78	63.0	18.5	4.75	.50	.65	.79	60.5	17.7	5.33	.50	.66	.81

HEATING CAPACITY - TPA060S2 with

[C33-62C + 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)		
cfm	L/s	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input
1626	765	66.7	19.5	4.51	52.3	15.3	4.15	36.9	10.8	3.79	27.6	8.1	3.36	13.9	4.1	2.51
1845	870	66.9	19.6	4.31	52.5	15.4	3.96	37.2	10.9	3.59	27.8	8.1	3.16	14.2	4.2	2.31
2086	985	68.4	20.0	4.21	54.0	15.8	3.85	38.6	11.3	3.48	29.3	8.6	3.05	15.6	4.6	2.20

HEATING CAPACITY - TPA060S2 with

[C33-62C + 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)		
cfm	L/s	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input
1516	715	66.4	19.5	4.63	52.0	15.2	4.24	36.6	10.7	3.84	27.3	8.0	3.40	13.7	4.0	2.55
1780	840	66.9	19.6	4.40	52.5	15.4	4.02	37.1	10.9	3.61	27.8	8.1	3.18	14.1	4.1	2.33
1973	930	68.1	20.0	4.29	53.7	15.7	3.91	38.3	11.2	3.50	29.0	8.5	3.07	15.4	4.5	2.22

HEATING PERFORMANCE AT 1845 cfm (870 L/s) Indoor Coil Air Volume TPA060S2 with [C33-62C + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.31	66.9	19.6
60	16	4.23	63.7	18.7
55	13	4.14	60.5	17.7
50	10	4.06	57.2	16.8
47	8	4.01	55.3	16.2
45	7	3.96	52.5	15.4
40	4	3.83	45.7	13.4
35	2	3.71	38.9	11.4
30	-1	3.65	38.0	11.1
25	-4	3.59	37.2	10.9
20	-7	3.53	36.3	10.6
17	-8	3.49	35.8	10.5
15	-9	3.46	34.5	10.1
10	-12	3.37	31.3	9.2
5	-15	3.16	27.8	8.1
0	-18	2.95	24.4	7.2
-5	-21	2.73	21.0	6.2
-10	-23	2.52	17.6	5.2
-15	-26	2.31	14.2	4.2
-20	-29	2.10	10.7	3.1

HEATING PERFORMANCE AT 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 with [C33-62C + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.40	66.9	19.6
60	16	4.31	63.6	18.6
55	13	4.22	60.4	17.7
50	10	4.13	57.1	16.7
47	8	4.07	55.2	16.2
45	7	4.02	52.5	15.4
40	4	3.87	45.6	13.4
35	2	3.73	38.8	11.4
30	-1	3.67	37.9	11.1
25	-4	3.61	37.1	10.9
20	-7	3.56	36.3	10.6
17	-8	3.52	35.7	10.5
15	-9	3.48	34.4	10.1
10	-12	3.39	31.2	9.1
5	-15	3.18	27.8	8.1
0	-18	2.97	24.4	7.2
-5	-21	2.75	21.0	6.2
-10	-23	2.54	17.6	5.2
-15	-26	2.33	14.1	4.1
-20	-29	2.11	10.7	3.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[C33-62C + G61MPV-60C-090] [C33-62C + G71MPP-60C-090]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Outdoor Air Temperature Entering Outdoor Coil (85°F, 95°F, 105°F, 115°F), Total Cooling Capacity, Comp Motor kW Input, and Sensible To Total Ratio (S/T) Dry Bulb.

COOLING CAPACITY - TPA060S2 with

[C33-62C + G61MPV-60C-110] [C33-62C + G71MPP-60C-110]

Table with columns for Entering Wet Bulb Temperature, Total Air Volume, Outdoor Air Temperature Entering Outdoor Coil (85°F, 95°F, 105°F, 115°F), Total Cooling Capacity, Comp Motor kW Input, and Sensible To Total Ratio (S/T) Dry Bulb.

HEATING CAPACITY - TPA060S2 with

[C33-62C + G61MPV-60C-090] [C33-62C + G71MPP-60C-090]

Table with columns for Indoor Coil Air Volume, Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F), Total Heating Capacity, Comp. Motor kW Input, and Total Heating Capacity.

HEATING CAPACITY - TPA060S2 with

[C33-62C + G61MPV-60C-110] [C33-62C + G71MPP-60C-110]

Table with columns for Indoor Coil Air Volume, Air Temperature Entering Outdoor Coil (65°F, 45°F, 25°F, 5°F, -15°F), Total Heating Capacity, Comp. Motor kW Input, and Total Heating Capacity.

HEATING PERFORMANCE at 1755 cfm (830 L/s) Indoor Coil Air Volume TPA060S2 with

[C33-62C + G61MPV-60C-090] [C33-62C + G71MPP-60C-090]

HEATING PERFORMANCE at 1790 cfm (845 L/s) Indoor Coil Air Volume TPA060S2 with

[C33-62C + G61MPV-60C-110] [C33-62C + G71MPP-60C-110]

Table with columns for Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

Table with columns for Outdoor Temperature (°F, °C), Compressor Motor kW Input, and Total Output (kBtuh, kW).

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NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

UP-FLOW INDOOR COIL WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[C33-62D + 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		
			kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1700	800	58.5	17.1	3.67	.75	.88	1.00	56.5	16.6	4.13	.76	.90	1.00	54.5	16.0	4.64	.78	.92	1.00	52.0	15.2	5.22	.79	.94	1.00
	1900	895	60.0	17.6	3.69	.77	.91	1.00	58.0	17.0	4.14	.79	.93	1.00	55.5	16.3	4.66	.80	.95	1.00	53.5	15.7	5.24	.82	.97	1.00
	2095	990	61.0	17.9	3.71	.80	.95	1.00	59.0	17.3	4.16	.81	.97	1.00	57.0	16.7	4.67	.83	.99	1.00	54.5	16.0	5.25	.85	1.00	1.00
67°F (19°C)	1700	800	61.5	18.0	3.71	.61	.73	.85	59.5	17.4	4.16	.61	.74	.87	57.5	16.9	4.68	.62	.75	.88	55.0	16.1	5.25	.62	.77	.90
	1900	895	63.0	18.5	3.73	.62	.75	.88	61.0	17.9	4.18	.62	.76	.90	59.0	17.3	4.70	.63	.78	.92	56.5	16.6	5.27	.64	.79	.94
	2095	990	64.5	18.9	3.75	.63	.78	.91	62.0	18.2	4.20	.64	.79	.93	60.0	17.6	4.71	.65	.81	.95	57.5	16.9	5.29	.66	.82	.98
71°F (22°C)	1700	800	65.0	19.0	3.75	.46	.59	.71	63.0	18.5	4.21	.47	.60	.72	60.5	17.7	4.72	.47	.61	.73	58.0	17.0	5.29	.48	.61	.74
	1900	895	66.0	19.3	3.77	.47	.61	.73	64.5	18.9	4.22	.48	.62	.74	61.5	18.0	4.73	.48	.62	.75	59.5	17.4	5.31	.48	.63	.77
	2095	990	68.0	19.9	3.79	.48	.62	.75	65.0	19.0	4.24	.49	.63	.77	63.0	18.5	4.75	.49	.64	.78	60.5	17.7	5.33	.50	.65	.80

COOLING CAPACITY - TPA060S2 with

**[C33-62D + G61MPV-60D-135]
[C33-62D + 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		
			kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1525	720	57.0	16.7	3.66	.74	.86	.97	55.0	16.1	4.11	.75	.87	.99	53.0	15.5	4.63	.76	.89	1.00	51.0	14.9	5.21	.77	.91	1.00
	1780	840	59.0	17.3	3.68	.76	.90	1.00	57.0	16.7	4.13	.77	.91	1.00	55.0	16.1	4.65	.79	.93	1.00	52.5	15.4	5.23	.80	.95	1.00
	1985	935	60.5	17.7	3.70	.79	.93	1.00	58.5	17.1	4.15	.80	.95	1.00	56.5	16.6	4.67	.82	.97	1.00	54.0	15.8	5.25	.84	.99	1.00
67°F (19°C)	1525	720	60.0	17.6	3.69	.60	.71	.83	58.0	17.0	4.15	.60	.72	.84	56.0	16.4	4.66	.61	.73	.85	54.0	15.8	5.24	.61	.75	.87
	1780	840	62.5	18.3	3.72	.61	.74	.86	60.0	17.6	4.17	.62	.75	.88	58.0	17.0	4.69	.62	.76	.90	55.5	16.3	5.27	.63	.78	.92
	1985	935	64.0	18.8	3.74	.63	.77	.90	61.5	18.0	4.19	.64	.78	.92	59.5	17.4	4.70	.65	.80	.94	57.0	16.7	5.28	.66	.81	.97
71°F (22°C)	1525	720	63.5	18.6	3.73	.47	.58	.69	61.5	18.0	4.19	.47	.59	.70	59.5	17.4	4.70	.47	.59	.71	57.0	16.7	5.28	.47	.60	.72
	1780	840	65.0	19.0	3.76	.47	.60	.72	63.5	18.6	4.21	.47	.60	.73	61.0	17.9	4.73	.48	.61	.74	58.5	17.1	5.30	.48	.62	.76
	1985	935	67.0	19.6	3.78	.49	.62	.74	65.0	19.0	4.23	.49	.63	.76	62.5	18.3	4.74	.49	.64	.77	60.0	17.6	5.32	.50	.65	.79

HEATING CAPACITY - TPA060S2 with

[C33-62D + 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)			
	cfm	L/s	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW
1699	800	66.4	19.5	4.48	51.9	15.2	4.08	36.6	10.7	3.67	27.2	8.0	3.24	13.6	4.0	2.41
1900	895	66.8	19.6	4.35	52.3	15.3	3.95	37.0	10.8	3.54	27.6	8.1	3.11	14.0	4.1	2.28
2095	990	67.5	19.8	4.22	53.1	15.6	3.83	37.7	11.0	3.41	28.3	8.3	2.99	14.8	4.3	2.15

HEATING CAPACITY - TPA060S2 with

[C33-62D + G61MPV-60D-135] [C33-62D + 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)			
	cfm	L/s	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	kW
1526	720	66.3	19.4	4.67	51.9	15.2	4.25	36.6	10.7	3.82	27.2	8.0	3.38	13.7	4.0	2.54
1780	840	66.7	19.5	4.44	52.3	15.3	4.02	37.0	10.8	3.59	27.6	8.1	3.15	14.1	4.1	2.31
1986	935	68.0	19.9	4.32	53.6	15.7	3.90	38.3	11.2	3.47	29.0	8.5	3.03	15.4	4.5	2.19

HEATING PERFORMANCE at 1900 cfm (895 L/s) Indoor Coil Air Volume TPA060S2 with

[C33-62D + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.35	66.8	19.6
60	16	4.25	63.5	18.6
55	13	4.16	60.3	17.7
50	10	4.06	57.0	16.7
47	8	4.01	55.1	16.1
45	7	3.95	52.3	15.3
40	4	3.80	45.5	13.3
35	2	3.65	38.7	11.3
30	-1	3.59	37.8	11.1
25	-4	3.54	37.0	10.8
20	-7	3.48	36.1	10.6
17	-8	3.45	35.5	10.4
15	-9	3.41	34.2	10.0
10	-12	3.32	31.0	9.1
5	-15	3.11	27.6	8.1
0	-18	2.90	24.2	7.1
-5	-21	2.69	20.8	6.1
-10	-23	2.48	17.4	5.1
-15	-26	2.28	14.0	4.1
-20	-29	2.07	10.7	3.1

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 with

**[C33-62D + G61MPV-60D-135]
[C33-62D + G71MPP-60D-135]**

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.44	66.7	19.5
60	16	4.34	63.4	18.6
55	13	4.25	60.2	17.6
50	10	4.15	56.9	16.7
47	8	4.09	55.0	16.1
45	7	4.02	52.3	15.3
40	4	3.87	45.5	13.3
35	2	3.71	38.7	11.3
30	-1	3.65	37.8	11.1
25	-4	3.59	37.0	10.8
20	-7	3.53	36.1	10.6
17	-8	3.50	35.6	10.4
15	-9	3.46	34.3	10.1
10	-12	3.36	31.0	9.1
5	-15	3.15	27.6	8.1
0	-18	2.94	24.2	7.1
-5	-21	2.73	20.8	6.1
-10	-23	2.52	17.5	5.1
-15	-26	2.31	14.1	4.1
-20	-29	2.10	10.7	3.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

DOWN-FLOW INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1575	745	55.0	16.1	3.63	.75	.88	.99	53.0	15.5	4.09	.76	.90	1.00	51.5	15.1	4.61	.78	.92	1.00	49.5	14.5	5.19	.79	.94	1.00
	1750	825	56.0	16.4	3.65	.77	.91	1.00	54.5	16.0	4.10	.78	.93	1.00	52.5	15.4	4.61	.80	.95	1.00	50.0	14.7	5.20	.81	.97	1.00
	1960	925	57.5	16.9	3.66	.80	.95	1.00	55.5	16.3	4.12	.81	.96	1.00	53.5	15.7	4.63	.83	.98	1.00	51.5	15.1	5.21	.85	.99	1.00
67°F (19°C)	1575	745	58.0	17.0	3.67	.61	.73	.85	56.5	16.6	4.12	.61	.74	.86	54.5	16.0	4.64	.62	.75	.88	52.0	15.2	5.22	.63	.77	.90
	1750	825	59.5	17.4	3.69	.62	.75	.88	57.5	16.9	4.14	.62	.76	.89	55.5	16.3	4.65	.63	.77	.91	53.0	15.5	5.23	.64	.79	.94
	1960	925	60.5	17.7	3.70	.64	.78	.92	58.5	17.1	4.15	.64	.79	.93	56.5	16.6	4.67	.65	.81	.95	54.5	16.0	5.25	.66	.82	.97
71°F (22°C)	1575	745	61.5	18.0	3.71	.46	.59	.70	59.5	17.4	4.16	.47	.60	.71	57.5	16.9	4.67	.47	.60	.73	55.0	16.1	5.26	.47	.61	.74
	1750	825	62.5	18.3	3.72	.47	.60	.72	60.5	17.7	4.18	.47	.61	.74	58.5	17.1	4.69	.48	.62	.75	56.0	16.4	5.27	.48	.63	.77
	1960	925	64.0	18.8	3.74	.49	.62	.75	62.0	18.2	4.19	.49	.63	.77	59.5	17.4	4.71	.49	.64	.78	57.5	16.9	5.29	.50	.65	.80

COOLING CAPACITY - TPA060S2 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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1570	740	55.0	16.1	3.63	.75	.88	.99	53.0	15.5	4.09	.76	.90	1.00	51.5	15.1	4.61	.78	.92	1.00	49.5	14.5	5.19	.79	.94	1.00
	1810	855	56.5	16.6	3.65	.78	.92	1.00	54.5	16.0	4.11	.79	.94	1.00	52.5	15.4	4.62	.81	.96	1.00	50.5	14.8	5.20	.82	.97	1.00
	2070	975	58.0	17.0	3.67	.81	.96	1.00	56.0	16.4	4.12	.83	.98	1.00	54.0	15.8	4.64	.85	.99	1.00	52.5	15.4	5.22	.87	.99	1.00
67°F (19°C)	1570	740	58.0	17.0	3.67	.61	.73	.85	56.5	16.6	4.12	.61	.74	.86	54.5	16.0	4.64	.62	.75	.88	52.0	15.2	5.22	.63	.77	.90
	1810	855	60.0	17.6	3.69	.62	.75	.89	58.0	17.0	4.14	.63	.77	.90	56.0	16.4	4.66	.64	.78	.92	53.5	15.7	5.24	.64	.80	.95
	2070	975	61.5	18.0	3.71	.65	.79	.93	59.5	17.4	4.16	.66	.81	.96	57.0	16.7	4.67	.67	.82	.97	55.0	16.1	5.25	.68	.84	.98
71°F (22°C)	1570	740	61.5	18.0	3.71	.47	.59	.70	59.5	17.4	4.16	.47	.60	.71	57.5	16.9	4.67	.47	.61	.73	55.0	16.1	5.26	.47	.61	.74
	1810	855	63.0	18.5	3.73	.47	.61	.73	61.0	17.9	4.18	.48	.61	.74	59.0	17.3	4.69	.48	.62	.76	56.5	16.6	5.27	.48	.63	.78
	2070	975	64.5	18.9	3.75	.49	.63	.77	62.5	18.3	4.20	.50	.64	.78	60.0	17.6	4.71	.50	.65	.80	58.0	17.0	5.29	.51	.67	.82

HEATING CAPACITY - TPA060S2 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	Total Heating Capacity	
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
1576	745	66.6	19.5	4.37	52.2	15.3	3.98	36.7	10.8	3.57	27.3	8.0	3.17	13.9	4.1	2.36	
1750	825	66.8	19.6	4.24	52.3	15.3	3.85	36.9	10.8	3.44	27.5	8.1	3.04	14.0	4.1	2.23	
1959	925	67.9	19.9	4.13	53.4	15.6	3.74	38.0	11.1	3.34	28.6	8.4	2.94	15.1	4.4	2.12	

HEATING CAPACITY - TPA060S2 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	kBtuh
1572	740	66.9	19.6	4.37	52.3	15.3	3.99	36.8	10.8	3.59	27.4	8.0	3.20	13.9	4.1	2.39	
1810	855	66.9	19.6	4.19	52.4	15.4	3.81	36.9	10.8	3.41	27.5	8.1	3.02	14.0	4.1	2.21	
2068	975	68.6	20.1	4.08	54.1	15.9	3.70	38.6	11.3	3.30	29.2	8.6	2.91	15.7	4.6	2.10	

HEATING PERFORMANCE AT 1750 cfm (825 L/s) Indoor Coil Air Volume TPA060S2 with [CR33-50/60C-F + G60DFV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.24	66.8	19.6
60	16	4.14	63.5	18.6
55	13	4.05	60.3	17.7
50	10	3.96	57.0	16.7
47	8	3.91	55.0	16.1
45	7	3.85	52.3	15.3
40	4	3.69	45.5	13.3
35	2	3.53	38.7	11.3
30	-1	3.48	37.8	11.1
25	-4	3.44	36.9	10.8
20	-7	3.40	36.0	10.6
17	-8	3.37	35.4	10.4
15	-9	3.33	34.1	10.0
10	-12	3.24	30.9	9.1
5	-15	3.04	27.5	8.1
0	-18	2.84	24.1	7.1
-5	-21	2.63	20.7	6.1
-10	-23	2.43	17.4	5.1
-15	-26	2.23	14.0	4.1
-20	-29	2.02	10.6	3.1

HEATING PERFORMANCE AT 1810 cfm (855 L/s) Indoor Coil Air Volume TPA060S2 with [CR33-60D-F + G60DFV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.19	66.9	19.6
60	16	4.10	63.7	18.7
55	13	4.01	60.4	17.7
50	10	3.92	57.1	16.7
47	8	3.87	55.1	16.1
45	7	3.81	52.4	15.4
40	4	3.65	45.6	13.4
35	2	3.49	38.7	11.3
30	-1	3.45	37.8	11.1
25	-4	3.41	36.9	10.8
20	-7	3.37	36.0	10.6
17	-8	3.35	35.5	10.4
15	-9	3.31	34.2	10.0
10	-12	3.23	30.9	9.1
5	-15	3.02	27.5	8.1
0	-18	2.82	24.1	7.1
-5	-21	2.62	20.8	6.1
-10	-23	2.41	17.4	5.1
-15	-26	2.21	14.0	4.1
-20	-29	2.01	10.6	3.1

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NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[CH23-68 + 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)					
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1700	800	58.0	17.0	3.67	.76	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	54.0	15.8	4.64	.78	.92	1.00	51.5	15.1	5.22	.80	.94	1.00
	1900	895	59.5	17.4	3.69	.78	.92	1.00	57.5	16.9	4.14	.79	.94	1.00	55.0	16.1	4.65	.81	.96	1.00	53.0	15.5	5.23	.83	.98	1.00
	2095	990	60.5	17.7	3.70	.80	.95	1.00	58.5	17.1	4.15	.82	.97	1.00	56.5	16.6	4.66	.84	.99	1.00	54.5	16.0	5.25	.86	1.00	1.00
67°F (19°C)	1700	800	61.5	18.0	3.71	.60	.73	.86	59.5	17.4	4.16	.61	.74	.87	57.5	16.9	4.68	.62	.76	.89	55.0	16.1	5.26	.63	.77	.91
	1900	895	63.0	18.5	3.73	.62	.76	.89	61.0	17.9	4.18	.63	.77	.91	58.5	17.1	4.69	.64	.78	.93	56.0	16.4	5.27	.64	.80	.95
	2095	990	64.0	18.8	3.74	.63	.78	.92	62.0	18.2	4.19	.64	.80	.94	59.5	17.4	4.70	.65	.81	.96	57.0	16.7	5.28	.66	.83	.98
71°F (22°C)	1700	800	65.0	19.0	3.76	.46	.59	.71	63.0	18.5	4.21	.46	.60	.72	61.0	17.9	4.72	.47	.60	.73	58.5	17.1	5.30	.47	.61	.75
	1900	895	67.0	19.6	3.77	.47	.60	.73	64.5	18.9	4.23	.47	.61	.75	62.0	18.2	4.74	.48	.62	.76	59.5	17.4	5.32	.48	.63	.78
	2095	990	68.0	19.9	3.79	.48	.62	.76	65.0	19.0	4.24	.48	.63	.77	63.0	18.5	4.75	.48	.64	.79	60.5	17.7	5.33	.50	.65	.81

COOLING CAPACITY - TPA060S2 with

[CH23-68 + G61MPV-60D-135]
[CH23-68 + 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)					
	cfm	L/s	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1525	720	57.0	16.7	3.65	.74	.86	.98	55.0	16.1	4.11	.75	.88	.99	52.5	15.4	4.62	.76	.90	1.00	50.5	14.8	5.20	.77	.91	1.00
	1780	840	58.5	17.1	3.68	.77	.90	1.00	56.5	16.6	4.13	.78	.92	1.00	54.5	16.0	4.64	.79	.94	1.00	52.0	15.2	5.22	.81	.96	1.00
	1985	935	60.0	17.6	3.69	.80	.94	1.00	58.0	17.0	4.15	.81	.96	1.00	56.0	16.4	4.66	.83	.98	1.00	53.5	15.7	5.24	.85	.99	1.00
67°F (19°C)	1525	720	60.5	17.7	3.70	.59	.71	.83	58.5	17.1	4.15	.60	.72	.84	56.0	16.4	4.66	.61	.74	.86	54.0	15.8	5.24	.62	.75	.88
	1780	840	62.0	18.2	3.72	.61	.74	.87	60.0	17.6	4.17	.62	.75	.89	58.0	17.0	4.68	.62	.77	.91	55.5	16.3	5.27	.64	.79	.93
	1985	935	63.5	18.6	3.74	.63	.77	.91	61.5	18.0	4.19	.64	.79	.93	59.0	17.3	4.70	.65	.80	.95	57.0	16.7	5.28	.66	.82	.97
71°F (22°C)	1525	720	64.0	18.8	3.74	.46	.58	.69	62.0	18.2	4.19	.46	.58	.70	59.5	17.4	4.71	.46	.59	.71	57.0	16.7	5.28	.47	.60	.72
	1780	840	66.0	19.3	3.77	.46	.60	.72	63.5	18.6	4.22	.47	.60	.73	61.5	18.0	4.73	.47	.61	.74	59.0	17.3	5.30	.48	.62	.76
	1985	935	67.0	19.6	3.79	.48	.62	.75	65.0	19.0	4.24	.48	.63	.76	62.5	18.3	4.74	.49	.64	.78	60.0	17.6	5.32	.50	.65	.80

HEATING CAPACITY - TPA060S2 with

[CH23-68 + 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)		
cfm	L/s	Total Heating Capacity		Comp. 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
		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW	
1699	800	67.0	19.6	4.02	52.3	15.3	3.71	36.7	10.8	3.39	27.2	8.0	3.06	13.7	4.0	2.26
1900	895	67.4	19.8	3.89	52.7	15.4	3.59	37.1	10.9	3.27	27.6	8.1	2.93	14.1	4.1	2.14
2095	990	68.1	20.0	3.81	53.4	15.6	3.50	37.8	11.1	3.18	28.3	8.3	2.85	14.8	4.3	2.05

HEATING CAPACITY - TPA060S2 with

[CH23-68 + G61MPV-60D-135]
[CH23-68 + 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)		
cfm	L/s	Total Heating Capacity		Comp. 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
		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW		kBtu/h	kW	
1526	720	66.9	19.6	4.17	52.4	15.4	3.85	36.8	10.8	3.51	27.4	8.0	3.17	13.8	4.0	2.36
1780	840	67.2	19.7	3.98	52.6	15.4	3.66	37.1	10.9	3.31	27.6	8.1	2.97	14.1	4.1	2.17
1986	935	68.5	20.1	3.88	53.9	15.8	3.56	38.4	11.3	3.22	28.9	8.5	2.88	15.4	4.5	2.07

HEATING PERFORMANCE at 1900 cfm (895 L/s) Indoor Coil Air Volume TPA060S2 with

[CH23-68 + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtu/h	kW
65	18	3.89	67.4	19.8
60	16	3.82	64.1	18.8
55	13	3.76	60.7	17.8
50	10	3.69	57.4	16.8
47	8	3.64	55.4	16.2
45	7	3.59	52.7	15.4
40	4	3.45	45.8	13.4
35	2	3.31	39.0	11.4
30	-1	3.29	38.0	11.1
25	-4	3.27	37.1	10.9
20	-7	3.24	36.1	10.6
17	-8	3.23	35.6	10.4
15	-9	3.20	34.3	10.1
10	-12	3.13	30.9	9.1
5	-15	2.93	27.6	8.1
0	-18	2.73	24.2	7.1
-5	-21	2.54	20.8	6.1
-10	-23	2.34	17.4	5.1
-15	-26	2.14	14.1	4.1
-20	-29	1.94	10.7	3.1

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 with

[CH23-68 + G61MPV-60D-135]
[CH23-68 + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtu/h	kW
65	18	3.98	67.2	19.7
60	16	3.91	63.9	18.7
55	13	3.83	60.6	17.8
50	10	3.76	57.3	16.8
47	8	3.72	55.4	16.2
45	7	3.66	52.6	15.4
40	4	3.51	45.8	13.4
35	2	3.36	38.9	11.4
30	-1	3.34	38.0	11.1
25	-4	3.31	37.1	10.9
20	-7	3.29	36.2	10.6
17	-8	3.28	35.6	10.4
15	-9	3.25	34.3	10.1
10	-12	3.17	31.0	9.1
5	-15	2.97	27.6	8.1
0	-18	2.77	24.2	7.1
-5	-21	2.57	20.9	6.1
-10	-23	2.37	17.5	5.1
-15	-26	2.17	14.1	4.1
-20	-29	1.97	10.7	3.1

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 with

[CH33-50/60C-2F + G60UHV-60C-090]

Entering Wet Bulb Temperature	Total Air Volume cfm L/s		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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1575	745	57.0	16.7	3.65	.74	.87	.99	55.0	16.1	4.11	.75	.88	1.00	53.0	15.5	4.62	.76	.90	1.00	50.5	14.8	5.20	.78	.92	1.00
	1795	845	58.5	17.1	3.67	.77	.90	1.00	56.5	16.6	4.13	.78	.92	1.00	54.5	16.0	4.64	.79	.94	1.00	52.0	15.2	5.22	.81	.96	1.00
	2035	960	60.0	17.6	3.69	.80	.94	1.00	58.0	17.0	4.15	.81	.96	1.00	56.0	16.4	4.66	.83	.98	1.00	53.5	15.7	5.24	.84	1.00	1.00
67°F (19°C)	1575	745	60.0	17.6	3.69	.60	.72	.84	58.0	17.0	4.15	.60	.73	.85	56.0	16.4	4.66	.61	.74	.87	54.0	15.8	5.24	.62	.75	.88
	1795	845	61.5	18.0	3.71	.61	.74	.87	59.5	17.4	4.17	.62	.75	.89	57.5	16.9	4.68	.63	.77	.90	55.0	16.1	5.26	.63	.78	.92
	2035	960	63.5	18.6	3.73	.64	.78	.91	61.0	17.9	4.19	.65	.79	.93	59.0	17.3	4.70	.65	.80	.95	56.5	16.6	5.27	.66	.82	.97
71°F (22°C)	1575	745	63.5	18.6	3.73	.47	.58	.69	61.5	18.0	4.19	.47	.59	.70	59.0	17.3	4.70	.47	.60	.72	57.0	16.7	5.28	.48	.60	.73
	1795	845	65.0	19.0	3.75	.47	.60	.72	63.0	18.5	4.21	.47	.60	.73	60.5	17.7	4.72	.48	.61	.74	58.0	17.0	5.29	.48	.62	.76
	2035	960	67.0	19.6	3.78	.49	.62	.75	64.5	18.9	4.23	.49	.63	.76	62.0	18.2	4.74	.49	.64	.78	59.5	17.4	5.32	.50	.65	.80

COOLING CAPACITY - TPA060S2 with

[CH33-50/60C-2F + G60UHV-60C-110]

Entering Wet Bulb Temperature	Total Air Volume cfm L/s		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		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1465	690	56.0	16.4	3.65	.73	.85	.97	54.0	15.8	4.10	.74	.86	.98	52.0	15.2	4.61	.75	.88	1.00	50.0	14.7	5.20	.76	.90	1.00
	1730	815	58.0	17.0	3.67	.76	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	54.0	15.8	4.64	.78	.93	1.00	51.5	15.1	5.22	.79	.95	1.00
	1925	910	59.5	17.4	3.68	.79	.93	1.00	57.5	16.9	4.14	.80	.94	1.00	55.0	16.1	4.65	.81	.96	1.00	53.0	15.5	5.23	.83	.98	1.00
67°F (19°C)	1465	690	59.0	17.3	3.68	.59	.71	.82	57.5	16.9	4.14	.60	.72	.83	55.0	16.1	4.65	.60	.73	.84	53.0	15.5	5.23	.61	.74	.86
	1730	815	61.5	18.0	3.71	.61	.73	.85	59.0	17.3	4.16	.61	.74	.87	57.0	16.7	4.67	.62	.76	.89	54.5	16.0	5.25	.63	.77	.91
	1925	910	62.5	18.3	3.72	.63	.76	.90	60.5	17.7	4.18	.63	.78	.91	58.5	17.1	4.69	.64	.79	.93	56.0	16.4	5.27	.65	.81	.95
71°F (22°C)	1465	690	62.5	18.3	3.72	.46	.58	.68	60.5	17.7	4.17	.47	.58	.69	58.5	17.1	4.69	.47	.59	.70	56.0	16.4	5.27	.47	.59	.71
	1730	815	64.5	18.9	3.75	.47	.59	.71	62.5	18.3	4.20	.47	.60	.72	60.0	17.6	4.71	.47	.61	.73	58.0	17.0	5.29	.48	.61	.75
	1925	910	66.0	19.3	3.77	.48	.61	.74	64.0	18.8	4.22	.49	.62	.75	61.5	18.0	4.73	.49	.63	.76	59.0	17.3	5.31	.49	.64	.78

HEATING CAPACITY - TPA060S2 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	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
1576	745	66.5	19.5	4.65	52.1	15.3	4.23	36.8	10.8	3.80	27.5	8.1	3.36	13.8	4.0	2.51				
1795	845	66.9	19.6	4.45	52.5	15.4	4.03	37.2	10.9	3.60	27.9	8.2	3.16	14.2	4.2	2.32				
2036	960	68.3	20.0	4.32	54.0	15.8	3.90	38.6	11.3	3.47	29.3	8.6	3.03	15.6	4.6	2.19				

HEATING CAPACITY - TPA060S2 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	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
1466	690	66.3	19.4	4.76	51.9	15.2	4.33	36.6	10.7	3.89	27.3	8.0	3.44	13.7	4.0	2.59				
1730	815	66.7	19.5	4.50	52.3	15.3	4.07	37.0	10.8	3.63	27.7	8.1	3.18	14.1	4.1	2.33				
1923	910	68.0	19.9	4.40	53.7	15.7	3.98	38.4	11.3	3.53	29.1	8.5	3.08	15.5	4.5	2.23				

HEATING PERFORMANCE at 1795 cfm (845 L/s) Indoor Coil Air Volume TPA060S2 with [CH33-50/60C-2F + G60UHV-60C-090]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.45	66.9	19.6
60	16	4.35	63.7	18.7
55	13	4.25	60.4	17.7
50	10	4.16	57.2	16.8
47	8	4.10	55.3	16.2
45	7	4.03	52.5	15.4
40	4	3.87	45.7	13.4
35	2	3.71	38.9	11.4
30	-1	3.66	38.1	11.2
25	-4	3.60	37.2	10.9
20	-7	3.54	36.3	10.6
17	-8	3.51	35.8	10.5
15	-9	3.47	34.5	10.1
10	-12	3.37	31.3	9.2
5	-15	3.16	27.9	8.2
0	-18	2.95	24.4	7.2
-5	-21	2.74	21.0	6.2
-10	-23	2.53	17.6	5.2
-15	-26	2.32	14.2	4.2
-20	-29	2.10	10.7	3.1

HEATING PERFORMANCE at 1730 cfm (815 L/s) Indoor Coil Air Volume TPA060S2 with [CH33-50/60C-2F + G60UHV-60C-110]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.50	66.7	19.5
60	16	4.40	63.5	18.6
55	13	4.30	60.2	17.6
50	10	4.20	57.0	16.7
47	8	4.14	55.1	16.1
45	7	4.07	52.3	15.3
40	4	3.91	45.5	13.3
35	2	3.75	38.7	11.3
30	-1	3.69	37.9	11.1
25	-4	3.63	37.0	10.8
20	-7	3.57	36.2	10.6
17	-8	3.53	35.7	10.5
15	-9	3.49	34.4	10.1
10	-12	3.39	31.2	9.1
5	-15	3.18	27.7	8.1
0	-18	2.97	24.3	7.1
-5	-21	2.75	20.9	6.1
-10	-23	2.54	17.5	5.1
-15	-26	2.33	14.1	4.1
-20	-29	2.12	10.7	3.1

RATINGS

5 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 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								
						75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C						
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW					
63°F (17°C)	1700	800	57.0	16.7	3.66	.75	.88	1.00	55.0	16.1	4.11	.76	.89	1.00	53.0	15.5	4.63	.77	.91	1.00	51.0	14.9	5.21	.79	.93	1.00	49.0	14.3	5.89	.81	.97	1.00
	1900	895	58.5	17.1	3.67	.77	.91	1.00	56.5	16.6	4.13	.78	.93	1.00	54.5	16.0	4.64	.80	.94	1.00	52.0	15.2	5.22	.81	.97	1.00	49.5	14.6	5.84	.82	.97	1.00
	2095	990	59.5	17.4	3.69	.80	.94	1.00	57.5	16.9	4.14	.81	.96	1.00	55.5	16.3	4.66	.82	.98	1.00	53.0	15.5	5.23	.84	1.00	50.0	14.8	5.76	.84	1.00	1.00	
67°F (19°C)	1700	800	60.5	17.7	3.70	.80	.72	.85	58.5	17.1	4.15	.61	.74	.86	56.5	16.6	4.66	.61	.75	.88	54.0	15.8	5.24	.62	.76	.90	49.5	14.6	5.81	.64	.76	.93
	1900	895	61.5	18.0	3.71	.81	.75	.88	59.5	17.4	4.17	.62	.76	.89	57.5	16.9	4.68	.63	.77	.91	55.0	16.1	5.26	.64	.79	.93	49.5	14.6	5.81	.64	.76	.93
	2095	990	63.0	18.5	3.73	.83	.77	.91	60.5	17.7	4.18	.64	.78	.92	58.5	17.1	4.69	.65	.80	.95	56.0	16.4	5.27	.66	.82	.97	49.5	14.6	5.81	.64	.76	.93
71°F (22°C)	1700	800	63.5	18.6	3.74	.47	.59	.70	61.5	18.0	4.19	.47	.59	.71	59.5	17.4	4.71	.47	.60	.72	57.0	16.7	5.28	.48	.61	.74	49.5	14.6	5.81	.64	.76	.93
	1900	895	65.0	19.0	3.76	.47	.60	.73	63.0	18.5	4.21	.47	.61	.74	60.5	17.7	4.72	.48	.62	.75	58.5	17.1	5.30	.48	.63	.76	49.5	14.6	5.81	.64	.76	.93
	2095	990	66.0	19.3	3.77	.48	.62	.75	64.0	18.8	4.22	.48	.62	.76	61.5	18.0	4.73	.49	.63	.77	59.5	17.4	5.31	.49	.64	.79	49.5	14.6	5.81	.64	.76	.93

COOLING CAPACITY - TPA060S2 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								
						75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C						
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
63°F (17°C)	1525	720	56.0	16.4	3.64	.73	.86	.97	54.0	15.8	4.10	.74	.87	.99	52.0	15.2	4.61	.75	.89	1.00	50.0	14.7	5.20	.77	.90	1.00	48.5	14.2	5.96	.79	.93	1.00
	1780	840	58.0	17.0	3.66	.76	.89	1.00	56.0	16.4	4.12	.77	.91	1.00	53.5	15.7	4.63	.78	.93	1.00	51.5	15.1	5.22	.80	.95	1.00	48.5	14.2	5.96	.79	.93	1.00
	1985	935	59.0	17.3	3.68	.79	.93	1.00	57.0	16.7	4.14	.80	.95	1.00	55.0	16.1	4.65	.81	.97	1.00	53.0	15.5	5.23	.83	.99	1.00	48.5	14.2	5.96	.79	.93	1.00
67°F (19°C)	1525	720	59.0	17.3	3.68	.59	.71	.82	57.0	16.7	4.13	.60	.72	.83	55.0	16.1	4.65	.60	.73	.85	53.0	15.5	5.23	.61	.74	.87	48.5	14.2	5.96	.79	.93	1.00
	1780	840	61.0	17.9	3.70	.61	.74	.86	59.0	17.3	4.16	.61	.75	.87	57.0	16.7	4.67	.62	.76	.89	54.5	16.0	5.25	.63	.77	.91	48.5	14.2	5.96	.79	.93	1.00
	1985	935	62.5	18.3	3.72	.63	.76	.90	60.5	17.7	4.17	.63	.78	.91	58.0	17.0	4.69	.64	.79	.93	55.5	16.3	5.26	.65	.81	.96	48.5	14.2	5.96	.79	.93	1.00
71°F (22°C)	1525	720	62.5	18.3	3.72	.47	.58	.68	60.5	17.7	4.18	.47	.58	.69	58.0	17.0	4.69	.47	.59	.70	56.0	16.4	5.27	.47	.60	.72	48.5	14.2	5.96	.79	.93	1.00
	1780	840	64.5	18.9	3.74	.47	.59	.71	62.0	18.2	4.20	.47	.60	.72	60.0	17.6	4.71	.47	.61	.74	57.5	16.9	5.29	.48	.62	.75	48.5	14.2	5.96	.79	.93	1.00
	1985	935	66.0	19.3	3.77	.48	.62	.74	63.5	18.6	4.22	.49	.62	.75	61.5	18.0	4.73	.49	.63	.77	59.0	17.3	5.31	.49	.64	.78	48.5	14.2	5.96	.79	.93	1.00

HEATING CAPACITY - TPA060S2 with

[CH33-60D-2F + G60UHV-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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	kBtuh	
1699	800	66.3	19.4	4.57	51.9	15.2	4.15	36.5	10.7	3.71	27.2	8.0	3.28	13.7	4.0	2.44	
1900	895	66.7	19.5	4.43	52.3	15.3	4.01	36.9	10.8	3.57	27.6	8.1	3.13	14.0	4.1	2.30	
2095	990	67.4	19.8	4.32	53.0	15.5	3.90	37.7	11.0	3.46	28.3	8.3	3.03	14.8	4.3	2.19	

HEATING CAPACITY - TPA060S2 with

[CH33-60D-2F + G61MPV-60D-135]
[CH33-60D-2F + G71MPP-60D-135]

Indoor Coil Air Volume 70°F db (21°C db)	Total Air Volume		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	kBtuh	
1526	720	66.2	19.4	4.77	51.9	15.2	4.33	36.6	10.7	3.88	27.3	8.0	3.43	13.7	4.0	2.58	
1780	840	66.5	19.5	4.52	52.2	15.3	4.09	36.9	10.8	3.63	27.7	8.1	3.18	14.1	4.1	2.34	
1986	935	67.9	19.9	4.42	53.6	15.7	3.98	38.3	11.2	3.53	29.0	8.5	3.08	15.4	4.5	2.23	

HEATING PERFORMANCE at 1900 cfm (895 L/s) Indoor Coil Air Volume TPA060S2 with

[CH33-60D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.43	66.7	19.5
60	16	4.33	63.4	18.6
55	13	4.23	60.2	17.6
50	10	4.13	57.0	16.7
47	8	4.07	55.0	16.1
45	7	4.01	52.3	15.3
40	4	3.84	45.5	13.3
35	2	3.68	38.7	11.3
30	-1	3.62	37.8	11.1
25	-4	3.57	36.9	10.8
20	-7	3.51	36.1	10.6
17	-8	3.48	35.5	10.4
15	-9	3.44	34.2	10.0
10	-12	3.34	31.0	9.1
5	-15	3.13	27.6	8.1
0	-18	2.92	24.2	7.1
-5	-21	2.72	20.8	6.1
-10	-23	2.51	17.4	5.1
-15	-26	2.30	14.0	4.1
-20	-29	2.09	10.7	3.1

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 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	4.52	66.5	19.5
60	16	4.42	63.3	18.6
55	13	4.32	60.1	17.6
50	10	4.21	56.9	16.7
47	8	4.15	54.9	16.1
45	7	4.09	52.2	15.3
40	4	3.92	45.4	13.3
35	2	3.75	38.6	11.3
30	-1	3.69	37.8	11.1
25	-4	3.63	36.9	10.8
20	-7	3.57	36.1	10.6
17	-8	3.54	35.6	10.4
15	-9	3.50	34.3	10.1
10	-12	3.39	31.1	9.1
5	-15	3.18	27.7	8.1
0	-18	2.97	24.3	7.1
-5	-21	2.76	20.9	6.1
-10	-23	2.55	17.5	5.1
-15	-26	2.34	14.1	4.1
-20	-29	2.12	10.7	3.1

RATINGS

5 TON

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

HORIZONTAL INDOOR COILS WITH GAS FURNACES

COOLING CAPACITY - TPA060S2 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)								
	cfm	L/s	Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb						
63°F (17°C)	1545	730	56.5	16.6	3.65	.73	.85	.97	54.5	16.0	4.10	.74	.86	.98	52.5	15.4	4.62	.75	.88	1.00	50.5	14.8	5.20	.77	.90	1.00
	1745	825	58.0	17.0	3.67	.75	.88	1.00	56.0	16.4	4.13	.76	.89	1.00	54.0	15.8	4.64	.77	.91	1.00	52.0	15.2	5.22	.79	.93	1.00
	1940	915	59.5	17.4	3.69	.78	.91	1.00	57.5	16.9	4.14	.79	.93	1.00	55.5	16.3	4.65	.80	.95	1.00	53.0	15.5	5.23	.82	.97	1.00
67°F (19°C)	1545	730	59.5	17.4	3.69	.59	.71	.82	57.5	16.9	4.14	.60	.72	.83	55.5	16.3	4.66	.60	.73	.85	53.5	15.7	5.23	.61	.74	.86
	1745	825	61.5	18.0	3.71	.60	.73	.85	59.5	17.4	4.16	.61	.74	.86	57.0	16.7	4.67	.62	.75	.88	55.0	16.1	5.26	.63	.76	.90
	1940	915	63.0	18.5	3.73	.62	.75	.88	61.0	17.9	4.18	.63	.76	.90	58.5	17.1	4.69	.64	.78	.91	56.0	16.4	5.27	.65	.79	.94
71°F (22°C)	1545	730	63.0	18.5	3.73	.46	.58	.68	61.0	17.9	4.18	.47	.58	.69	58.5	17.1	4.69	.47	.59	.70	56.5	16.6	5.27	.47	.60	.72
	1745	825	64.5	18.9	3.75	.47	.59	.70	62.5	18.3	4.20	.47	.60	.71	60.0	17.6	4.71	.47	.60	.73	57.5	16.9	5.29	.48	.61	.74
	1940	915	66.0	19.3	3.77	.48	.61	.73	64.0	18.8	4.22	.48	.61	.74	61.5	18.0	4.73	.48	.62	.75	59.0	17.3	5.31	.49	.63	.77

COOLING CAPACITY - TPA060S2 with

[CH33-62D-2F + G61MPV-60D-135]

[CH33-62D-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)								
	cfm	L/s	Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb						
63°F (17°C)	1525	720	56.5	16.6	3.65	.73	.85	.96	54.5	16.0	4.10	.74	.86	.98	52.5	15.4	4.62	.75	.88	1.00	50.5	14.8	5.20	.76	.90	1.00
	1780	840	58.5	17.1	3.68	.76	.89	1.00	56.5	16.6	4.13	.77	.90	1.00	54.5	16.0	4.64	.78	.92	1.00	52.0	15.2	5.22	.79	.94	1.00
	1985	935	60.0	17.6	3.69	.78	.92	1.00	58.0	17.0	4.14	.80	.94	1.00	56.0	16.4	4.66	.81	.96	1.00	53.5	15.7	5.24	.83	.98	1.00
67°F (19°C)	1525	720	59.5	17.4	3.69	.59	.71	.82	57.5	16.9	4.14	.60	.72	.83	55.5	16.3	4.66	.60	.73	.84	53.5	15.7	5.23	.61	.74	.86
	1780	840	61.5	18.0	3.71	.61	.73	.85	59.5	17.4	4.16	.61	.74	.87	57.5	16.9	4.68	.62	.76	.89	55.0	16.1	5.26	.63	.77	.90
	1985	935	63.5	18.6	3.73	.63	.76	.89	61.0	17.9	4.19	.63	.77	.91	59.0	17.3	4.70	.64	.79	.93	56.5	16.6	5.27	.65	.80	.95
71°F (22°C)	1525	720	62.5	18.3	3.72	.46	.58	.68	60.5	17.7	4.18	.47	.58	.69	58.5	17.1	4.69	.47	.59	.70	56.0	16.4	5.27	.47	.60	.72
	1780	840	65.0	19.0	3.75	.47	.59	.71	62.5	18.3	4.21	.47	.60	.72	60.5	17.7	4.72	.48	.61	.73	58.0	17.0	5.29	.48	.62	.75
	1985	935	67.0	19.6	3.77	.48	.61	.74	64.5	18.9	4.23	.49	.62	.75	62.0	18.2	4.74	.49	.63	.76	59.5	17.4	5.31	.49	.64	.78

HEATING CAPACITY - TPA060S2 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	kBtuh	kW			
1544	730	66.1	19.4	4.68	51.7	15.2	4.25	36.4	10.7	3.81	27.2	8.0	3.37	13.7	4.0	2.52
1745	825	66.4	19.5	4.49	52.0	15.2	4.07	36.7	10.8	3.63	27.4	8.0	3.19	14.0	4.1	2.34
1940	915	67.3	19.7	4.37	53.0	15.5	3.94	37.7	11.0	3.50	28.4	8.3	3.06	14.9	4.4	2.21

HEATING CAPACITY - TPA060S2 with

[CH33-62D-2F + G61MPV-60D-135]

[CH33-62D-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	kBtuh	kW			
1526	720	66.3	19.4	4.70	51.9	15.2	4.28	36.6	10.7	3.85	27.3	8.0	3.42	13.7	4.0	2.57
1780	840	66.6	19.5	4.46	52.2	15.3	4.04	36.9	10.8	3.61	27.6	8.1	3.18	14.1	4.1	2.33
1986	935	67.9	19.9	4.34	53.6	15.7	3.93	38.3	11.2	3.50	29.0	8.5	3.06	15.4	4.5	2.21

HEATING PERFORMANCE at 1745 cfm (825 L/s) Indoor Coil Air Volume TPA060S2 with [CH33-62D-2F + G60UHV-60D-135]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW	kW	kBtuh	kW
65	18	4.49	4.49	66.4	19.5
60	16	4.39	4.39	63.1	18.5
55	13	4.29	4.29	59.9	17.6
50	10	4.19	4.19	56.6	16.6
47	8	4.13	4.13	54.7	16.0
45	7	4.07	4.07	52.0	15.2
40	4	3.90	3.90	45.2	13.2
35	2	3.74	3.74	38.4	11.3
30	-1	3.68	3.68	37.6	11.0
25	-4	3.63	3.63	36.7	10.8
20	-7	3.57	3.57	35.8	10.5
17	-8	3.54	3.54	35.3	10.3
15	-9	3.50	3.50	34.0	10.0
10	-12	3.40	3.40	30.8	9.0
5	-15	3.19	3.19	27.4	8.0
0	-18	2.97	2.97	24.0	7.0
-5	-21	2.76	2.76	20.7	6.1
-10	-23	2.55	2.55	17.3	5.1
-15	-26	2.34	2.34	14.0	4.1
-20	-29	2.12	2.12	10.6	3.1

HEATING PERFORMANCE at 1780 cfm (840 L/s) Indoor Coil Air Volume TPA060S2 with [CH33-62D-2F + G61MPV-60D-135]

[CH33-62D-2F + G71MPP-60D-135]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW	kW	kBtuh	kW
65	18	4.46	4.46	66.6	19.5
60	16	4.36	4.36	63.4	18.6
55	13	4.26	4.26	60.1	17.6
50	10	4.17	4.17	56.9	16.7
47	8	4.11	4.11	55.0	16.1
45	7	4.04	4.04	52.2	15.3
40	4	3.88	3.88	45.5	13.3
35	2	3.72	3.72	38.7	11.3
30	-1	3.67	3.67	37.8	11.1
25	-4	3.61	3.61	36.9	10.8
20	-7	3.56	3.56	36.1	10.6
17	-8	3.53	3.53	35.5	10.4
15	-9	3.49	3.49	34.3	10.1
10	-12	3.39	3.39	31.0	9.1
5	-15	3.18	3.18	27.6	8.1
0	-18	2.97	2.97	24.2	7.1
-5	-21	2.75	2.75	20.8	6.1
-10	-23	2.54	2.54	17.4	5.1
-15	-26	2.33	2.33	14.1	4.1
-20	-29	2.12	2.12	10.7	3.1

REVISIONS

Description of Change

Added ratings for CBX40UHV Air Handlers.



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