

**HPXA15**

**DAVE LENNOX SIGNATURE™ COLLECTION**  
**WITH SILENTCOMFORT™ TECHNOLOGY**

**2 to 5 Ton (5.3 to 17.6 kW)**

**SEER - up to 14.75**

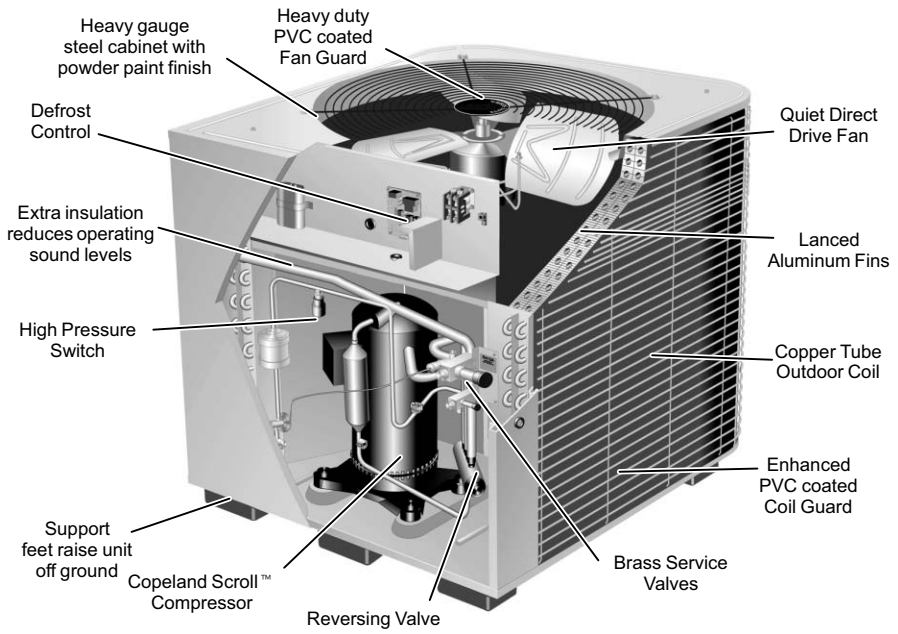
**Cooling Capacity - 23,800 to 56,000 Btuh (7.0 to 16.4 kW)**

**Heating Capacity - 25,000 to 57,500 Btuh (7.3 to 16.9 kW)**

Bulletin No. 210348  
February 2002



CERTIFICATION APPLIES ONLY  
WHEN THE COMPLETE  
SYSTEM IS LISTED  
WITH ARI



**MODEL NUMBER IDENTIFICATION**

**HP X A 15 - 024 - 230**

**Unit Type**  
HP = Heat Pump

**Refrigerant Type**  
X = R410A

**Major Revision**

**Series**

**Nominal Cooling Capacity**  
 024 = 2 tons (7.0 kW)  
 030 = 2.5 tons (8.8 kW)  
 036 = 3 tons (10.6 kW)  
 042 = 3.5 tons (12.3 kW)  
 048 = 4 tons (14.1 kW)  
 060 = 5 tons (17.6 kW)

**Options**  
 excluded if no options  
 C = Canadian (if different from US)  
 G = Government Options  
 T = Technicoat

**Voltage**  
 230 = 208/230v-60hz-1ph  
 233 = 208/230v-60hz-3ph  
 460 = 460v-60hz-3ph  
 575 = 575v-60hz-3ph

**FEATURES**

- Application**
- SEER up to 14.75.
  - Heating COP up to 3.73.
  - HSPF (Region IV) up to 8.50.
  - 2 through 5 ton (7.0 through 17.6 kW).
  - Single phase power supply.
  - Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.
  - Designed for applications with remotely located indoor blower-coil units or indoor add-on coils with FM21 furnace control. See FM21 bulletin, Thermostats and Controls section. Also see Coils and Blower Coils sections for indoor unit data.
  - Units shipped completely factory assembled, piped and wired. Each unit is test operated at the factory insuring proper operation.
  - Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.

- Approvals**
- Certified in accordance with the USE certification program, which is based on ARI Standard 210/240-94.
  - Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95.
  - Tested in the Lennox Research Laboratory environmental test room.
  - Rated according to U.S. Department of Energy (DOE) test procedures.
  - Units and components within bonded for grounding to meet safety standards for servicing required by UL and CEC.
  - Units are UL and ULC listed.
  - Developed in accordance with ISO 9002 quality standards.

## FEATURES

### Equipment Warranty

- Compressor — limited warranty for ten years in residential installations, five years in non-residential installations.
- All other covered components — limited warranty for five years in residential installations, one year in non-residential installations.
- Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

### Refrigerant

- Non-chlorine, ozone friendly, R410A.
- Unit pre-charged with refrigerant. See Specification table.

### HushTone™ Compressor Compartment

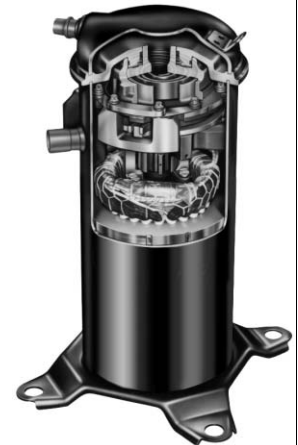
- Compressor is located in separate, fiberglass insulated compartment to keep sound levels at a minimum.
- Large removable panel provides service access.

### Cabinet

- Heavy gauge galvanized steel cabinet with five station metal wash process.
- Baked-on outdoor enamel paint finish provides superior rust and corrosion protection.
- Separate compressor and control compartment insulated with thick fiberglass insulation. Compartment provides protection from the weather and keeps sound transmission at a minimum.
- Control box is located in the compressor and controls compartment with all controls factory wired.
- Large removable access panel provides complete service access.
- Drainage holes are provided in base section for moisture removal.
- High density polyethylene feet raise the unit off of the mounting surface away from damaging moisture.
- Non-corrosive PVC (polyvinyl chloride) coated steel wire outdoor coil guard is furnished.

### Copeland Scroll™ Compressor

- Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency and quiet operation.
- Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.
- During compression, one scroll remains stationary while the other scroll orbits around it.
- Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.
- As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.
- When pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls.
- During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.
- Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.
- Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged.
- Low gas pulses during compression reduces operational sound levels.
- Compressor motor is internally protected from excessive current and temperature.
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation.
- Crankcase heater assures proper compressor lubrication.



### Outdoor Fan

- Direct drive fan moves large air volumes uniformly through entire outdoor coil for high refrigerant cooling capacity.
- Vertical air discharge minimizes operating sounds and eliminates damage to lawn and shrubs.
- Motor totally enclosed for maximum protection from weather, dust and corrosion.
- Rain shield on motor provides additional protection from moisture.
- Corrosion resistant PVC (polyvinyl chloride) coated steel wire fan guard is furnished as standard.
- Fan service access accomplished by removal of fan guard.

### Copper Tube/Enhanced Fin Coil

- Lennox designed and fabricated coil.
- Ripple-edged aluminum fins.
- Copper tube construction is corrosion resistant and easy to service.
- Precise coil circuiting gives uniform refrigerant distribution for high efficiency.
- Wrap around "U" shaped configuration provides extra large surface area with low air resistance.
- Fin collars grip tubing for maximum contact area.
- Inverted coil circuiting prevents ice buildup at coil base in low ambients.
- Discharge gas enters bottom of coil during defrost and heat of refrigerant flows counter to water drainage resulting in extremely clean and unobstructed fins and tubes.
- Fin spacing allows rapid and complete water drainage.
- Flared shoulder tubing connections/silver soldering construction.
- Coil is factory tested under high pressure to insure leakproof construction.
- Entire coil is accessible for cleaning.

### Defrost/Timed-Off Control

- Solid-state defrost control board is furnished as standard equipment. It gives a defrost cycle (14 minutes) for every 30, 60 or 90 minutes (adjustable) of compressor "on" time at outdoor temperature below 35°F (2°C).
- Sensing element mounted on the liquid line determines when the defrost cycle is required and also when to terminate a cycle.
- Diagnostic LED on control board furnished as an aid for servicing.
- Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize, permitting the compressor to start in an unloaded condition.
- Automatic reset control provides a five minute time delay between compressor shutoff and start-up.

### High Pressure Switch

- Shuts off unit if abnormal operating conditions cause the discharge pressure to rise above setting.
- Protects compressor from excessive condensing pressure.
- Automatic reset.

Features Continued on Next Page

## FEATURES - CONTINUED

### Refrigerant Line Connections, Electrical Inlets and Service Valves

- Vapor and liquid lines are located inside unit cabinet and are made with sweat connections. See dimension drawing.
- Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Vapor valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.
- Vapor and liquid line service valves and gauge ports are located inside the cabinet.
- High capacity drier with internal check valve and strainer are furnished and factory installed in the liquid line.
- Field wiring inlets conveniently located for ease of entry. See dimension drawing.

### Expansion Valve - Outdoor Unit

- Designed and sized specifically for use in heat pump system.
- Sensing bulb is located on the suction line between reversing valve and compressor thus sensing suction temperature in any cycle.
- Factory installed and piped.

### Expansion Valve Kits - for Indoor Unit

- **Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed expansion valves on indoor units that are not designed for R-410A MUST be replaced with valve shipped with outdoor unit.**
- Chatleff style fitting.
- Furnished as standard for field installation.

### Reversing Valve

- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.
- Valve operates on pressure differential between outdoor unit and indoor unit of the system. Factory installed.

### Service Light Thermostat

- Factory installed on the compressor discharge line.
- Required for operation of conditioned area thermostat with service light.

### Ambient Compensating Thermistor

- Reduces thermostat droop to improve the operating characteristics of the heat pump system.
- Thermistor varies the heat anticipator resistance as ambient temperature changes.
- Factory installed in the discharge air stream.

## OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

### Thermostat

- Thermostat is not furnished with the unit and must be ordered extra.
- See Thermostats and Controls section and Lennox Price Book.

### Refrigerant Line Kits

- Refrigerant lines (vapor & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at factory.
- Vapor line fully insulated.
- L15 lines are stubbed at both ends.
- See Specifications table for selection.
- Kit is not available for HPXA15-060 model and must be field fabricated.
- Refrigerant line length should not exceed 50 ft. (15 m) in any installation. If longer length lines are required, contact your Lennox Field Technical Consultant.

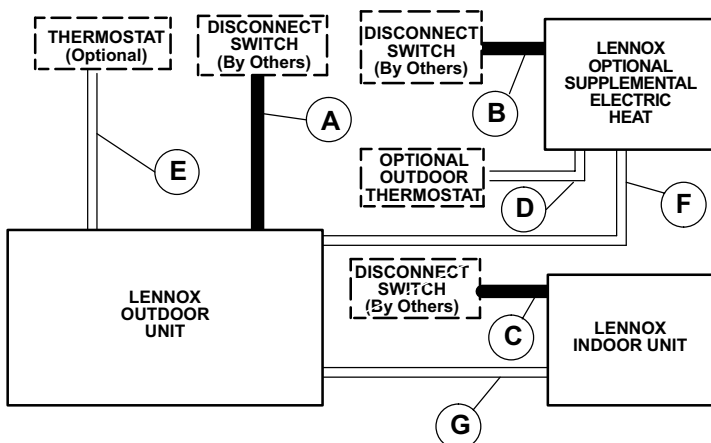
### Outdoor Thermostat Kit

- An outdoor thermostat can be used to lock out some of the electric heating elements on indoor units where two stage control is applicable.
- Outdoor thermostat maintains the heating load on the low power input as long as possible before allowing the full power load to come on the line.
- Thermostat kit LB-29740BA (56A87) and mounting box M-1595 (31461) or BM-10260 (33A09) (Canada Only) must be ordered extra.

### Mounting Base

- Provides permanent foundation for condensing units.
- High density polyethylene structural material is lightweight, sturdy, sound absorbing and will withstand the rigors of the sun, heat, cold, moisture, oil and refrigerant. Will not mildew or rot.
- Can be shipped singly or in packages of 6 to a carton.
- See Specifications table.

## FIELD WIRING



- A — Two Wire Power (see Electrical Data)
- B — Two or Three Wire Power (size to heater capacity)
- C — Two Wire Power (size to indoor coil blower motor)
- D — Two Wire Low Voltage — 18 ga. minimum
- E — Eight Wire Low Voltage — 18 ga. minimum — with Electric Heat  
— Ten Wire Low Voltage with Optional Outdoor Thermostat
- F — Four Wire Low Voltage — 18 ga. minimum
- G — Three Wire Low Voltage — 18 ga. minimum

— Field Wiring Not Furnished —

All wiring must conform to NEC or CEC and local electrical codes.

## SPECIFICATIONS

General Data		Model No.	HPXA15-024	HPXA15-030	HPXA15-036	HPXA15-042	HPXA15-048	HPXA15-060
Nominal Tonnage (kW)			2 (7.0)	2.5 (8.8)	3 (10.6)	3.5 (12.3)	4 (14.1)	5 (17.6)
Connections (sweat)	Liquid line o.d. - in. (mm)		3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
	Vapor line o.d. - in. (mm)		3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22.2)	7/8 (22.2)	1-1/8 (28.5)
Refrigerant	□ R-410A furnished		7 lbs. 2 oz. (3.23 kg)	10 lbs. 7 oz. (4.73 kg)	9 lbs. 13 oz. (4.45 kg)	9 lbs. 11 oz. (4.39 kg)	12 lbs. 10 oz. (5.75 kg)	14 lbs. 14 oz. (6.75 kg)
Outdoor Coil	Net face area sq. ft. (m <sup>2</sup> ) - Outer Coil		11.91 (1.11)	16.04 (1.49)	16.04 (1.49)	18.33 (1.70)	24.06 (2.24)	24.06 (2.24)
	Inner Coil		8.27 (0.77)	15.56 (1.45)	15.56 (1.45)	17.78 (1.65)	23.33 (2.17)	23.33 (2.17)
	Tube diameter - in. (mm)		5/16 (8)	5/16 (8)	5/16 (8)	5/16 (8)	5/16 (8)	5/16 (8)
	Number of rows		2	2	2	2	2	2
	Fins per inch (m)		22 (866)	22 (866)	22 (866)	22 (866)	22 (866)	22 (866)
Outdoor Fan	Diameter in. (mm) - No. of blades		20 (508) - 4	24 (610) - 3	24 (610) - 3	24 (610) - 3	24 (610) - 4	24 (610) - 4
	Motor hp (W)		1/10 (75)	1/6 (124)	1/6 (124)	1/6 (124)	1/4 (187)	1/4 (187)
	Cfm (L/s)		1860 (880)	3000 (1415)	3000 (1415)	3100 (1465)	4200 (1980)	4200 (1980)
	Rpm		825	825	825	825	825	825
	Watts		165	230	230	230	345	345
Shipping Data	lbs. (kg) 1 package		193 (88)	198 (90)	243 (110)	252 (114)	265 (120)	362 (164)
<b>OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA</b>								
Mounting Base	Part No. - Catalog No.		69J06 (MB2-S)	69J07 (MB2-L)	69J07 (MB2-L)	69J07 (MB2-L)	69J07 (MB2-L)	69J07 (MB2-L)
	Net Weight		6 lbs. (3 kg)	15 lbs. (7 kg)	15 lbs. (7 kg)	15 lbs. (7 kg)	15 lbs. (7 kg)	15 lbs. (7 kg)
Outdoor Thermostat Kit	Thermostat		56A87	56A87	56A87	56A87	56A87	56A87
	Mounting Box - US		31461	31461	31461	31461	31461	31461
	Canada		33A29	33A29	33A29	33A29	33A29	33A29
Refrigerant Line Set	20 ft. (6 m) length		L15-41-20	L15-41-20	L15-41-20	Not Available	Not Available	Field Fabricate
	30 ft. (9 m) length		L15-41-30	L15-41-30	L15-41-30	L15-65-30	L15-65-30	Field Fabricate
	40 ft. (12 m) length		L15-41-40	L15-41-40	L15-41-40	L15-65-40	L15-65-40	Field Fabricate
	50 ft. (15 m) length		L15-41-50	L15-41-50	L15-41-50	L15-65-50	L15-65-50	Field Fabricate
	Suction/Vapor Line o.d. - in. (mm)		3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22.2)	7/8 (22.2)	1-1/8 (22.2)
	Liquid Line o.d. - in. (mm)		3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)

□ Refrigerant charge sufficient for 20 ft. (6.1 m) length of refrigerant lines.

## ELECTRICAL DATA

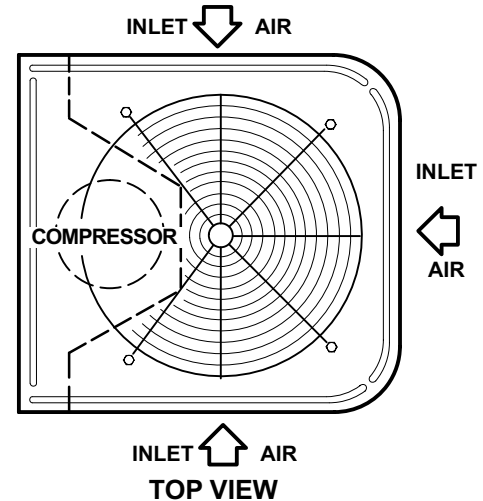
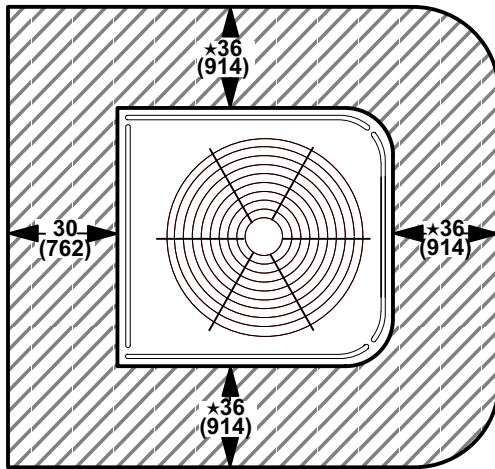
General Data		Model No.	HPXA15-024 -230	HPXA15-030 -230	HPXA15-036 -230	HPXA15-042 -230	HPXA15-048 -230	HPXA15-060 -230
Line voltage data - 60 hertz - 1 phase			208/230v	208/230v	208/230v	208/230v	208/230v	208/230v
Recommended maximum fuse or circuit breaker size (amps)			30	30	35	40	45	60
*Minimum circuit ampacity			17.7	19.6	20.4	25.2	27.5	36.2
Compressor	Rated load amps		13.5	14.8	15.4	19.3	20.6	27.6
	Locked rotor amps		61.0	72.5	83.0	104.0	109.0	158.0
	Power factor		.98	.98	.97	.95	.94	.99
Outdoor Coil Fan Motor	Full load amps		0.8	1.1	1.1	1.1	1.7	1.7
	Locked rotor amps		1.6	2.0	2.0	2.0	3.8	3.8

\*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

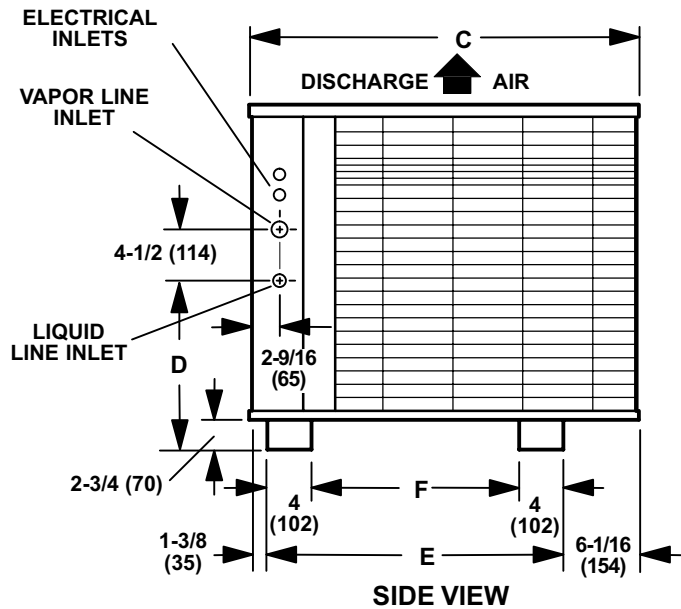
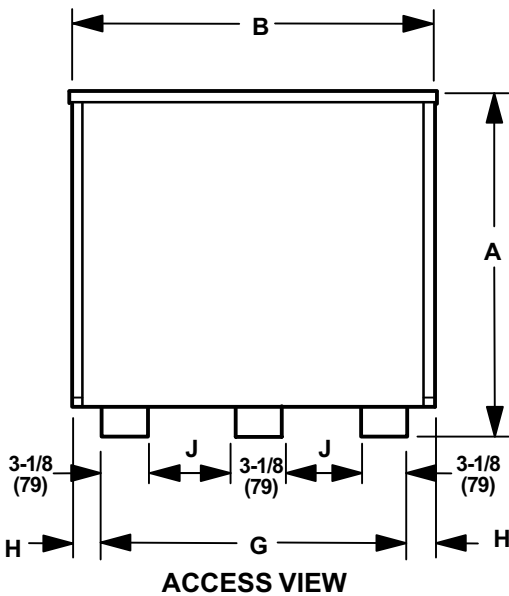
NOTE — Extremes of operating range are plus 10% and minus 5% of line voltage.

# DIMENSIONS - INCHES (MM)

## INSTALLATION CLEARANCES



★ One side of unit may be 12 in. (305 mm)  
 One of the remaining sides may be 6 in. (152 mm)  
 NOTE - 48 in (1219 mm) clearance required on top of unit  
 NOTE - 24 in. (610 mm) required between two units



Model No.	A	B	C	D	E	F	G	H	J
HPXA15-024	in. 27-7/8 mm 708	25-7/8 657	29-7/8 759	12-1/4 311	22-7/16 570	14-7/16 367	22-1/4 565	1-13/16 46	6-7/16 164
HPXA15-030 HPXA15-036	in. 30-7/8 mm 784	32-1/8 816	34-1/16 865	12-3/4 324	26-5/8 676	18-5/8 473	27-5/8 702	2-1/4 57	9-1/8 232
HPXA15-042	in. 34-7/8 mm 886	32-1/8 816	34-1/16 865	13-3/4 349	26-5/8 676	18-5/8 473	27-5/8 702	2-1/4 57	9-1/8 232
HPXA15-048 HPXA15-060	in. 44-7/8 mm 1140	32-1/8 816	34-1/16 865	14-1/4 362	26-5/8 676	18-5/8 473	27-5/8 702	2-1/4 57	9-1/8 232

## OUTDOOR SOUND DATA

*Unit Model No.	Octave Band Sound Power Levels dB, re 10 <sup>-12</sup> Watts							*Sound Rating Number (dB)
	Center Frequency - HZ							
	125	250	500	1000	2000	4000	8000	
HPXA15-024	70.5	66.5	66.5	64.5	60.5	53.5	50	69
HPXA15-030	73.5	71.5	70	67	63	56.5	51.5	72
HPXA15-036	72	69.5	70.5	67	62.5	57.5	52	72
HPXA15-042	73.5	68.5	69.5	66.5	63	58	52.5	71
HPXA15-048	73.5	70.5	71.5	69.5	64.5	57.5	52.5	74
HPXA15-060	74.5	70.5	71.5	70.5	64.5	57.5	52.5	74

\*Tested according to ARI Standard 270-95 test conditions.

# ARI RATINGS

Outdoor Unit Model No. Unit Size *Sound Rating Number		★ARI Standard 210/240 Ratings														Indoor Unit Model No.	Expansion Device		
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP			Low Htg. COP	
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V								
HPXA15-024 2 Ton (69 dB)	Blower Coil Units	23,800	7.0	25,800	7.6	16,200	4.8	11.35	9.60	7.25	6.55	2485	2415	2081	3.14	2.28	CB29M-21/26 (Multi)	♣See Footnote	
		24,800	7.3	25,200	7.4	16,000	4.7	11.70	9.80	7.00	6.25	2529	2414	2188	3.06	2.14	CB29M-31 (Multi)	♣See Footnote	
		25,000	7.3	25,600	7.5	16,000	4.7	11.70	9.85	7.10	6.35	2539	2444	2109	3.06	2.22	CB29M-41 (Multi)	♣See Footnote	
		25,600	7.5	25,200	7.4	16,200	4.8	12.20	10.25	7.35	6.60	2495	2278	2035	3.24	2.34	☒CB30M-21/26(Multi)	♣See Footnote	
		25,600	7.5	25,200	7.4	16,200	4.8	12.20	10.25	7.35	6.60	2495	2278	2035	3.24	2.34	CB30U-21/26 (Up-Flow)	♣See Footnote	
		25,600	7.5	25,200	7.4	16,200	4.8	12.20	10.25	7.35	6.60	2495	2278	2035	3.24	2.34	CBX32M-018/024 (Multi)	●Factory Installed	
		26,400	7.7	25,000	7.3	15,600	4.6	12.75	10.65	7.70	6.80	2483	2171	1901	3.38	2.40	CB30M-31 (Multi)	♣See Footnote	
		26,400	7.7	25,000	7.3	15,600	4.6	12.75	10.65	7.70	6.80	2483	2171	1901	3.38	2.40	CB30U-31 (Up-Flow)	♣See Footnote	
		26,400	7.7	25,000	7.3	15,600	4.6	12.75	10.65	7.70	6.80	2483	2171	1901	3.38	2.40	CBX32M-030 (Multi)	●Factory Installed	
		24,400	7.2	25,400	7.4	16,000	4.7	11.50	9.65	7.40	6.60	2530	2319	2027	3.22	2.32	☐CVP10-26/EC10 (Up-Flow)	♣See Footnote	
	Up-Flow Coils	24,000	7.0	26,000	7.6	16,400	4.8	11.25	9.55	7.25	6.50	2516	2442	2088	3.12	2.30	C26-21	♣See Footnote	
		24,600	7.2	25,800	7.6	16,200	4.8	11.60	9.80	7.35	6.55	2512	2379	2056	3.18	2.30	C26-26	♣See Footnote	
		24,600	7.2	25,800	7.6	16,200	4.8	11.60	9.80	7.35	6.55	2512	2379	2056	3.18	2.30	C33-30A/B	♣See Footnote	
		26,000	7.6	25,200	7.4	15,800	4.6	12.10	10.15	7.40	6.60	2565	2291	2016	3.22	2.30	C26-31	♣See Footnote	
	Down-Flow Coils	22,800	6.7	25,800	7.6	16,400	4.8	11.05	9.20	7.05	6.35	2482	2508	2168	3.02	2.22	CR26-18	♣See Footnote	
		25,000	7.3	26,200	7.7	16,400	4.8	11.75	9.90	7.40	6.60	2519	2396	2078	3.20	2.32	CR26-30	♣See Footnote	
	Horizontal Coils	24,200	7.1	25,400	7.4	16,000	4.7	11.40	9.55	6.90	6.20	2536	2504	2167	2.98	2.16	CH23-21	♣See Footnote	
		24,200	7.1	25,400	7.4	16,000	4.7	11.40	9.55	6.90	6.20	2536	2504	2167	2.98	2.16	CH33-30A-2F	♣See Footnote	
		24,600	7.2	25,000	7.3	16,000	4.7	11.65	9.80	7.05	6.30	2512	2422	2120	3.02	2.22	CH23-31	♣See Footnote	
		24,600	7.2	25,000	7.3	16,000	4.7	11.65	9.80	7.05	6.30	2512	2422	2120	3.02	2.22	CH33-36A/B/C-2F	♣See Footnote	
		25,800	7.6	25,400	7.4	16,000	4.7	12.05	10.10	7.25	6.50	2550	2346	2063	3.18	2.28	CH23-41	♣See Footnote	
	HPXA15-030 2.5 Ton (72 dB)	Blower Coil Units	27,800	8.2	30,200	8.9	20,000	5.9	12.50	10.55	7.60	6.85	2635	2830	2525	3.12	2.32	CB29M-41 (Multi)	♣See Footnote
			28,800	8.4	29,600	8.7	19,400	5.7	13.15	11.10	7.65	6.90	2595	2765	2460	3.13	2.31	CB30M-21/26 (Multi)	♣See Footnote
			28,800	8.4	29,600	8.7	19,400	5.7	13.15	11.10	7.65	6.90	2595	2765	2460	3.13	2.31	CB30U-21/26 (Up-Flow)	♣See Footnote
			28,800	8.4	29,600	8.7	19,400	5.7	13.15	11.10	7.65	6.90	2595	2765	2460	3.13	2.31	CBX32M-018/024 (Multi)	●Factory Installed
30,000			8.8	29,400	8.6	19,200	5.6	13.75	11.70	7.85	7.05	2560	2570	2300	3.35	2.44	☒CB30M-31 (Multi)	♣See Footnote	
30,000			8.8	29,400	8.6	19,200	5.6	13.75	11.70	7.85	7.05	2560	2570	2300	3.35	2.44	CB30U-31 (Up-Flow)	♣See Footnote	
30,000			8.8	29,400	8.6	19,200	5.6	13.75	11.70	7.85	7.05	2560	2570	2300	3.35	2.44	CBX32M-030 (Multi)	●Factory Installed	
30,000			8.8	29,800	8.7	19,400	5.7	13.80	11.60	8.10	7.25	2590	2560	2300	3.41	2.47	CB30M-41 (Multi)	♣See Footnote	
30,000			8.8	29,800	8.7	19,400	5.7	13.80	11.60	8.10	7.25	2590	2560	2300	3.41	2.47	CB30U-41/46 (Up-Flow)	♣See Footnote	
30,000			8.8	29,800	8.7	19,400	5.7	13.80	11.60	8.10	7.25	2590	2560	2300	3.41	2.47	CBX32M-036 (Multi)	●Factory Installed	
30,000			8.8	29,800	8.7	19,400	5.7	13.80	11.55	8.10	7.25	2600	2565	2310	3.40	2.46	CB30M-46 (Multi)	♣See Footnote	
30,000			8.8	29,800	8.7	19,400	5.7	13.80	11.55	8.10	7.25	2600	2565	2310	3.40	2.46	CBX32M-042 (Multi)	●Factory Installed	
30,400			8.9	29,400	8.6	19,200	5.6	14.75	12.35	8.30	7.35	2460	2475	2215	3.48	2.54	CB31MV-41 (Multi)	♣See Footnote	
30,400			8.9	29,400	8.6	19,200	5.6	14.75	12.35	8.30	7.35	2460	2475	2215	3.48	2.54	CBX32MV-036 (Multi)	●Factory Installed	
28,800			8.4	30,200	8.9	20,000	5.9	12.80	10.85	7.80	7.00	2655	2760	2460	3.20	2.38	☐CVP10-31/EC10 (Up-Flow)	♣See Footnote	
29,200		8.6	29,800	8.7	19,600	5.7	13.00	11.00	7.90	7.10	2655	2665	2395	3.27	2.40	☐CVP10-41/EC10 (Up-Flow)	♣See Footnote		
Up-Flow Coils		29,600	8.7	30,200	8.9	19,800	5.8	13.15	11.10	7.85	7.05	2665	2755	2460	3.21	2.36	C26-31	♣See Footnote	
		29,800	8.7	30,000	8.8	19,600	5.7	13.25	11.15	7.90	7.05	2670	2675	2405	3.28	2.39	C33-38A/B	♣See Footnote	
		29,800	8.7	30,000	8.8	19,600	5.7	13.25	11.15	7.90	7.05	2670	2675	2405	3.28	2.39	C26-41	♣See Footnote	
		29,800	8.7	29,200	8.6	19,200	5.6	13.20	11.20	7.85	7.00	2665	2620	2375	3.26	2.37	C26-46	♣See Footnote	
		29,800	8.7	29,200	8.6	19,200	5.6	13.20	11.20	7.85	7.00	2665	2620	2375	3.26	2.37	C33-48B/C	♣See Footnote	
Down-Flow Coils		29,400	8.6	30,800	9.0	20,200	5.9	13.15	11.05	7.85	7.05	2660	2765	2490	3.26	2.38	CR26-36	♣See Footnote	
Horizontal Coils		29,000	8.5	30,200	8.9	20,000	5.9	12.85	10.90	7.50	6.75	2655	2865	2565	3.09	2.28	CH33-36A-2F	♣See Footnote	
		29,000	8.5	30,200	8.9	20,000	5.9	12.85	10.90	7.50	6.75	2655	2865	2565	3.09	2.28	CH23-41	♣See Footnote	
		29,600	8.7	30,200	8.9	19,800	5.8	13.15	11.15	7.75	6.95	2660	2755	2475	3.21	2.34	CH33-42B-2F	♣See Footnote	
		29,600	8.7	30,200	8.9	19,800	5.8	13.15	11.15	7.75	6.95	2660	2755	2475	3.21	2.34	CH23-51	♣See Footnote	
		30,200	8.9	30,200	8.9	19,800	5.8	13.35	11.30	7.95	7.10	2675	2675	2425	3.31	2.39	CH23-65	♣See Footnote	

♣Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit. Units without check/expansion valves MUST use the valve furnished with the outdoor unit.

NOTE — These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for all C26 and C33 coils include all cased and uncased coils.

\*Sound Rating Number in accordance with test conditions included in ARI Standard 270.

★Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

NOTE - Use FM21 Control with any listed coil and furnace that meets system design requirements. See FM21 page in Thermostats and Controls section for additional data.

☐Canada Only

☐Most popular blower coil combination.

●Furnished as standard with coil unit, no change out required.

## ARI RATINGS

Outdoor Unit Model No. Unit Size *Sound Rating Number		★ARI Standard 210/240 Ratings													Indoor Unit Model No.		Expansion Device		
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts				High Htg. COP	Low Htg. COP
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF	IV								
HPXA15-036 3 Ton (72 dB)	Blower Coil Units	32,800	9.6	36,600	10.7	24,400	7.2	12.15	10.35	7.55	6.90	3165	3285	3010	3.26	2.37	CB29M-41 (Multi)	See Footnote	
		34,400	10.1	35,400	10.4	23,600	6.9	13.00	10.95	8.05	7.30	3135	2960	2725	3.50	2.54	CB29M-46 (Multi)	See Footnote	
		34,800	10.2	34,800	10.2	22,800	6.7	14.10	11.80	8.50	7.55	2950	2730	2515	3.73	2.65	CB31MV-41 (Multi)	See Footnote	
		34,800	10.2	34,800	10.2	22,800	6.7	14.10	11.80	8.50	7.55	2950	2730	2515	3.73	2.65	CBX32MV-036 (Multi)	Factory Installed	
		35,000	10.3	35,400	10.4	23,400	6.9	13.45	11.40	8.25	7.40	3075	2870	2645	3.61	2.59	CB30M-31 (Multi)	See Footnote	
		35,000	10.3	35,400	10.4	23,400	6.9	13.45	11.40	8.25	7.40	3075	2870	2645	3.61	2.59	CB30U-31 (Up-Flow)	See Footnote	
		35,000	10.3	35,400	10.4	23,400	6.9	13.45	11.40	8.25	7.40	3075	2870	2645	3.61	2.59	CBX32M-030 (Multi)	Factory Installed	
		35,000	10.3	35,400	10.4	23,400	6.9	13.45	11.40	8.25	7.40	3075	2870	2645	3.61	2.59	CB29M-51 (Multi)	See Footnote	
		35,400	10.4	35,400	10.4	23,400	6.9	13.70	11.55	8.45	7.55	3060	2810	2580	3.69	2.66	CB30M-46 (Multi)	See Footnote	
		35,400	10.4	35,400	10.4	23,400	6.9	13.70	11.55	8.45	7.55	3060	2810	2580	3.69	2.66	CBX32M-042 (Multi)	Factory Installed	
		35,600	10.4	35,600	10.4	23,600	6.9	13.55	11.50	8.35	7.45	3095	2850	2625	3.66	2.63	CB30M-41 (Multi)	See Footnote	
		35,600	10.4	35,600	10.4	23,600	6.9	13.55	11.50	8.35	7.45	3095	2850	2625	3.66	2.63	CB30U-41/46 (Up-Flow)	See Footnote	
		35,600	10.4	35,600	10.4	23,600	6.9	13.55	11.50	8.35	7.45	3095	2850	2625	3.66	2.63	CBX32M-036 (Multi)	Factory Installed	
	34,000	10.0	36,200	10.6	24,200	7.1	12.35	10.55	7.85	7.10	3225	3140	2875	3.38	2.46	CVP10-31/EC10 (Up-Flow)	See Footnote		
	34,000	10.0	35,200	10.3	23,600	6.9	12.45	10.60	8.00	7.20	3205	2980	2750	3.46	2.51	CVP10-41/EC10 (Up-Flow)	See Footnote		
	Up-Flow Coils	34,000	10.0	35,200	10.3	23,400	6.9	12.85	10.90	7.70	6.95	3120	3115	2815	3.31	2.43	C26-31	See Footnote	
		34,000	10.0	35,200	10.3	23,400	6.9	12.85	10.90	7.70	6.95	3120	3115	2815	3.31	2.43	C33-38A/B	See Footnote	
		34,800	10.2	35,400	10.4	23,600	6.9	13.00	11.00	8.10	7.25	3170	2950	2715	3.51	2.55	C26-41	See Footnote	
		34,800	10.2	34,600	10.1	23,000	6.7	13.00	11.00	8.05	7.20	3170	2890	2680	3.51	2.51	C26-46	See Footnote	
		34,600	10.1	37,000	10.8	24,800	7.3	13.00	11.00	8.15	7.40	3145	3060	2820	3.54	2.58	CR26-36	See Footnote	
	Down-Flow Coils	34,800	10.2	36,000	10.6	24,000	7.0	12.85	10.95	8.00	7.25	3175	3020	2785	3.49	2.52	CR26-48	See Footnote	
		Horizontal Coils	33,800	9.9	35,600	10.4	23,800	7.0	12.60	10.70	7.65	6.95	3160	3160	2910	3.30	2.39	CH33-36A-2F	See Footnote
	33,800		9.9	35,600	10.4	23,800	7.0	12.60	10.70	7.65	6.95	3160	3160	2910	3.30	2.39	CH23-41	See Footnote	
	34,800		10.2	35,800	10.5	24,000	7.0	13.00	10.95	7.85	7.10	3180	3075	2840	3.41	2.47	CH33-42B-2F	See Footnote	
	34,800		10.2	35,800	10.5	24,000	7.0	13.00	10.95	7.85	7.10	3180	3075	2840	3.41	2.47	CH23-51	See Footnote	
	35,200		10.3	35,400	10.4	23,800	7.0	13.05	11.05	8.15	7.35	3180	2930	2725	3.54	2.56	CH23-65	See Footnote	
	HPXA15-042 3.5 Ton (71 dB)	Blower Coil Units	40,000	11.7	41,000	12.0	26,600	7.8	12.20	10.65	7.05	6.45	3755	3690	3360	3.25	2.32	CB29M-46 (Multi)	See Footnote
			40,500	11.9	40,500	11.9	26,600	7.8	12.20	10.60	6.85	6.30	3815	3760	3455	3.15	2.25	CB29M-51 (Multi)	See Footnote
			41,000	12.0	40,500	11.9	26,400	7.7	12.75	11.15	7.25	6.60	3670	3530	3215	3.36	2.40	CB30M-41 (Multi)	See Footnote
			41,000	12.0	40,500	11.9	26,400	7.7	12.75	11.15	7.25	6.60	3670	3530	3215	3.36	2.40	CB30U-41/46 (Up-Flow)	See Footnote
			41,000	12.0	40,500	11.9	26,400	7.7	12.75	11.15	7.25	6.60	3670	3530	3215	3.36	2.40	CBX32M-036 (Multi)	Factory Installed
41,000			12.0	40,500	11.9	26,200	7.7	12.80	11.15	7.25	6.60	3670	3530	3215	3.36	2.39	CB30M-46 (Multi)	See Footnote	
41,000			12.0	40,500	11.9	26,200	7.7	12.80	11.15	7.25	6.60	3670	3530	3215	3.36	2.39	CBX32M-042 (Multi)	Factory Installed	
41,000			12.0	40,500	11.9	26,600	7.8	12.45	10.85	6.90	6.35	3775	3725	3415	3.18	2.28	CB29M-65 (Multi)	See Footnote	
41,000			12.0	40,500	11.9	26,200	7.7	13.00	11.35	7.35	6.65	3620	3480	3165	3.41	2.42	CB31MV-41 (Multi)	See Footnote	
41,000			12.0	40,500	11.9	26,200	7.7	13.00	11.35	7.35	6.65	3620	3480	3165	3.41	2.42	CBX32MV-036 (Multi)	Factory Installed	
42,500			12.5	40,000	11.7	26,000	7.6	13.20	11.55	7.45	6.75	3680	3370	3095	3.48	2.46	CB30M-51 (Multi)	See Footnote	
42,500			12.5	40,000	11.7	26,000	7.6	13.20	11.55	7.45	6.75	3680	3370	3095	3.48	2.46	CB30U-51 (Up-Flow)	See Footnote	
42,500			12.5	40,000	11.7	26,000	7.6	13.20	11.55	7.45	6.75	3680	3370	3095	3.48	2.46	CBX32M-048 (Multi)	Factory Installed	
43,500			12.8	39,500	11.6	25,600	7.5	14.00	12.20	7.65	6.90	3570	3240	2965	3.57	2.53	CB31MV-51 (Multi)	See Footnote	
43,500			12.8	39,500	11.6	25,600	7.5	14.00	12.20	7.65	6.90	3570	3240	2965	3.57	2.53	CBX32M-048 (Multi)	Factory Installed	
39,000		11.4	40,500	11.9	26,600	7.8	12.00	10.45	6.95	6.40	3735	3735	3385	3.18	2.30	CVP10-41/EC10 (Up-Flow)	See Footnote		
40,000		11.7	41,000	12.0	27,200	8.0	11.75	10.30	7.05	6.45	3885	3710	3430	3.24	2.32	CVP10-46/EC10 (Up-Flow)	See Footnote		
Up-Flow Coils		39,500	11.6	40,500	11.9	26,400	7.7	12.35	10.80	6.95	6.35	3665	3740	3355	3.17	2.30	C26-41	See Footnote	
		39,500	11.6	40,500	11.9	26,400	7.7	12.35	10.80	6.95	6.35	3665	3740	3355	3.17	2.30	C33-38A/B	See Footnote	
		41,000	12.0	40,500	11.9	26,200	7.7	12.45	10.85	7.00	6.40	3775	3635	3340	3.26	2.30	C26-46	See Footnote	
		41,000	12.0	40,500	11.9	26,200	7.7	12.45	10.85	7.00	6.40	3775	3635	3340	3.26	2.30	C33-50/60C	See Footnote	
		42,500	12.5	39,000	11.4	25,000	7.3	12.75	11.25	6.95	6.30	3780	3505	3240	3.26	2.26	C26-51	See Footnote	
		38,500	11.3	41,500	12.2	27,400	8.0	12.25	10.60	6.95	6.40	3635	3860	3465	3.15	2.32	CR26-36	See Footnote	
Down-Flow Coils		40,500	11.9	41,000	12.0	27,000	7.9	12.30	10.85	6.95	6.40	3735	3750	3420	3.20	2.31	CR26-48	See Footnote	
		42,000	12.3	40,500	11.9	26,600	7.8	12.75	11.15	7.25	6.60	3775	3550	3270	3.34	2.38	CR26-60	See Footnote	
		Horizontal Coils	39,000	11.4	41,000	12.0	27,200	8.0	12.05	10.50	6.80	6.25	3710	3865	3545	3.11	2.25	CH23-41	See Footnote
39,000			11.4	41,000	12.0	27,200	8.0	12.05	10.50	6.80	6.25	3710	3865	3545	3.11	2.25	CH33-42B-2F	See Footnote	
40,500			11.9	41,500	12.2	27,400	8.0	12.40	10.85	7.00	6.40	3740	3775	3480	3.22	2.31	CH23-51	See Footnote	
40,500			11.9	41,500	12.2	27,400	8.0	12.40	10.85	7.00	6.40	3740	3775	3480	3.22	2.31	CH33-48C-2F	See Footnote	
41,500			12.2	41,500	12.2	27,200	8.0	12.60	11.05	7.40	6.60	3755	3635	3350	3.34	2.38	CH23-65	See Footnote	

◆Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit. Units without check/expansion valves MUST use the valve furnished with the outdoor unit.

NOTE — These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for all C26 and C33 coils include all cased and uncased coils.

\*Sound Rating Number in accordance with test conditions included in ARI Standard 270.

★Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

NOTE - Use FM21 Control with any listed coil and furnace that meets system design requirements. See FM21 page in Thermostats and Controls section for additional data.

†Canada Only

‡Most popular blower coil combination.

●Furnished as standard with coil unit, no change out required.

# ARI RATINGS

Outdoor Unit Model No. Unit Size *Sound Rating Number		★ARI Standard 210/240 Ratings														Indoor Unit Model No.	Expansion Device	
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP			Low Htg. COP
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF								
								IV	V									
HPXA15 -048 4 Ton (74 dB)	Blower Coil Units	45,000	13.2	45,500	13.3	29,000	8.5	12.80	11.35	7.05	6.30	3970	4345	3875	3.07	2.19	CB30M-46 (Multi)	♣See Footnote
		45,000	13.2	45,500	13.3	29,000	8.5	12.80	11.35	7.05	6.30	3970	4345	3875	3.07	2.19	CB30U-41/46 (Up-Flow)	♣See Footnote
		45,000	13.2	45,500	13.3	29,000	8.5	12.80	11.35	7.05	6.30	3970	4345	3875	3.07	2.19	CBX32M-042 (Multi)	●Factory Installed
		45,000	13.2	46,000	13.5	30,000	8.8	12.15	10.75	6.75	6.10	4190	4650	4210	2.90	2.09	CB29M-51 (Multi)	♣See Footnote
		45,000	13.2	46,000	13.5	30,000	8.8	12.20	10.75	6.75	6.10	4180	4640	4200	2.90	2.09	CB29M-65 (Multi)	♣See Footnote
		46,500	13.6	44,000	12.9	28,400	8.3	13.05	11.55	7.15	6.45	4030	4140	3730	3.11	2.23	☒CB30M-51 (Multi)	♣See Footnote
		46,500	13.6	44,000	12.9	28,400	8.3	13.05	11.55	7.15	6.45	4030	4140	3730	3.11	2.23	CB30U-51 (Up-Flow)	♣See Footnote
		46,500	13.6	44,000	12.9	28,400	8.3	13.05	11.55	7.15	6.45	4030	4140	3730	3.11	2.23	CBX32M-048 (Multi)	●Factory Installed
		48,000	14.1	45,000	13.2	29,000	8.5	13.80	12.10	7.40	6.50	3965	4065	3665	3.24	2.32	CB31MV-51 (Multi)	♣See Footnote
		48,000	14.1	45,000	13.2	29,000	8.5	13.80	12.10	7.40	6.50	3965	4065	3665	3.24	2.32	CBX32MV-048 (Multi)	●Factory Installed
		48,000	14.1	45,000	13.2	29,200	8.6	13.35	11.75	7.20	6.40	4080	4245	3840	3.10	2.23	CB30M-65 (Multi)	♣See Footnote
		48,000	14.1	45,000	13.2	29,200	8.6	13.35	11.75	7.20	6.40	4080	4245	3840	3.10	2.23	CB30U-65 (Up-Flow)	♣See Footnote
	48,000	14.1	45,000	13.2	29,200	8.6	13.35	11.75	7.20	6.40	4080	4245	3840	3.10	2.23	CBX32M-060 (Multi)	●Factory Installed	
	49,000	14.4	45,500	13.3	29,400	8.6	13.70	12.00	7.35	6.55	4080	4140	3780	3.22	2.28	CB31MV-65 (Multi)	♣See Footnote	
	49,000	14.4	45,500	13.3	29,400	8.6	13.70	12.00	7.35	6.55	4080	4140	3780	3.22	2.28	CBX32MV-060 (Multi)	●Factory Installed	
	43,000	12.6	46,000	13.5	30,400	8.9	11.60	10.25	6.85	6.25	4200	4625	4145	2.91	2.15	☐CVP10-46/EC10 (Up-Flow)	♣See Footnote	
	44,000	12.9	45,000	13.2	29,000	8.5	11.70	10.40	6.85	6.15	4225	4455	4000	2.96	2.12	☐CVP10-51/EC10 (Up-Flow)	♣See Footnote	
	Up-Flow Coils	46,000	13.5	45,000	13.2	28,800	8.4	12.50	11.05	6.95	6.25	4155	4325	3920	3.05	2.15	C26-51	♣See Footnote
		46,000	13.5	45,000	13.2	28,800	8.4	12.50	11.05	6.95	6.25	4155	4325	3920	3.05	2.15	C33-60D	♣See Footnote
		47,500	13.9	45,000	13.2	28,800	8.4	12.90	11.40	7.05	6.35	4165	4275	3870	3.10	2.18	C26-65EAP	♣See Footnote
	Down-Flow Coils	44,500	13.0	45,000	13.2	29,400	8.6	12.15	10.75	6.75	6.05	4135	4580	4100	2.88	2.10	CR26-48	♣See Footnote
		46,500	13.6	45,500	13.3	29,400	8.6	12.60	11.20	7.05	6.30	4155	4360	3930	3.06	2.19	CR26-60	♣See Footnote
	Horizontal Coils	45,000	13.2	46,500	13.6	30,200	8.9	12.25	10.85	7.00	6.30	4140	4495	4070	3.03	2.17	CH33-44B-2F	♣See Footnote
		45,000	13.2	46,500	13.6	30,200	8.9	12.25	10.85	7.00	6.30	4140	4495	4070	3.03	2.17	CH33-50C-2F	♣See Footnote
45,000		13.2	46,500	13.6	30,200	8.9	12.25	10.85	7.00	6.30	4140	4495	4070	3.03	2.17	CH23-65	♣See Footnote	
47,500		13.9	45,500	13.3	27,600	8.1	13.00	11.50	7.00	6.09	4140	4230	3810	3.16	2.12	CH23-68	♣See Footnote	
HPXA15 -060 5 Ton (74 dB)	Blower Coil Units	54,000	15.8	55,500	16.1	35,200	10.3	12.20	10.20	7.20	6.45	5300	5295	4545	3.07	2.27	CB31MV-51 (Multi)	♣See Footnote
		54,000	15.8	55,500	16.1	35,200	10.3	12.20	10.20	7.20	6.45	5300	5295	4545	3.07	2.27	CBX32MV-048 (Multi)	●Factory Installed
		54,500	16.0	56,500	16.6	36,200	10.6	12.50	10.40	7.10	6.35	5235	5370	4690	3.08	2.26	CB31MV-65 (Multi)	♣See Footnote
		54,500	16.0	56,500	16.6	36,200	10.6	12.50	10.40	7.10	6.35	5235	5370	4690	3.08	2.26	CBX32MV-060 (Multi)	●Factory Installed
		54,500	16.0	57,500	16.9	36,000	10.8	12.00	10.10	7.15	6.70	5405	5380	4615	3.13	2.28	CB30M-51 (Multi)	♣See Footnote
		54,500	16.0	57,500	16.9	36,000	10.8	12.00	10.10	7.15	6.70	5405	5380	4615	3.13	2.28	CB30U-51 (Up-Flow)	♣See Footnote
		54,500	16.0	57,500	16.9	36,000	10.8	12.00	10.10	7.15	6.70	5405	5380	4615	3.13	2.28	CBX32M-048 (Multi)	●Factory Installed
		56,000	16.4	57,500	16.9	36,800	10.8	12.00	10.00	7.25	6.45	5590	5460	4800	3.08	2.25	☒CB30M-65 (Multi)	♣See Footnote
		56,000	16.4	57,500	16.9	36,800	10.8	12.00	10.00	7.25	6.45	5590	5460	4800	3.08	2.25	CB30U-65 (Up-Flow)	♣See Footnote
		56,000	16.4	57,500	16.9	36,800	10.8	12.00	10.00	7.25	6.45	5590	5460	4800	3.08	2.25	CBX32M-060 (Multi)	●Factory Installed
		51,000	15.0	56,500	16.6	36,600	10.7	11.00	9.15	7.10	6.40	5575	5545	4825	2.98	2.22	☐CVP10-51/EC10 (Up-Flow)	♣See Footnote
		55,000	16.1	57,000	16.7	36,000	10.5	11.40	9.60	7.05	6.25	5735	5545	4870	3.01	2.16	☐CVP10-65/EC10 (Up-Flow)	♣See Footnote
	Up-Flow Coils	56,000	16.4	57,000	16.7	36,600	10.7	12.00	10.00	7.30	6.50	5605	5395	4735	3.09	2.26	C26-65EAP	♣See Footnote
		56,000	16.4	57,000	16.7	36,600	10.7	12.00	10.00	7.30	6.50	5605	5395	4735	3.09	2.26	C33-62D	♣See Footnote
	Down-Flow Coils	52,000	15.2	57,000	16.7	36,600	10.7	11.40	9.55	7.10	6.35	5455	5595	4875	2.98	2.20	CR26-60	♣See Footnote
	Horizontal Coils	54,500	16.0	57,000	16.7	37,000	10.8	12.00	9.90	7.25	6.45	5495	5355	4680	3.12	2.32	CH33-62D-2F	♣See Footnote
		54,500	16.0	57,000	16.7	37,000	10.8	12.00	9.90	7.25	6.45	5495	5355	4680	3.12	2.32	CH23-68	♣See Footnote

♣Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit. Units without check/expansion valves MUST use the valve furnished with the outdoor unit.

NOTE — These are the only approved system match-ups. For other matches, contact the Lennox Applications Department.

NOTE - Ratings for all C26 and C33 coils include all cased and uncased coils.

\*Sound Rating Number in accordance with test conditions included in ARI Standard 270.

★Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.

High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

NOTE - Use FM21 Control with any listed coil and furnace that meets system design requirements. See FM21 page in Thermostats and Controls section for additional data.

☐ Canada Only

☒ Most popular blower coil combination.

●Furnished as standard with coil unit, no change out required.



# RATINGS

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

## HPXA15-024 — CB29M-21/26 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	600	285	23.4	6.9	1.80	.69	.82	.93	22.3	6.5	2.04	.70	.84	.96	21.0	6.2	2.30	.71	.86	.98	19.7	5.8	2.61	.73	.89	1.00
	800	380	24.5	7.2	1.81	.74	.90	1.00	23.3	6.8	2.05	.76	.92	1.00	22.1	6.5	2.31	.79	.94	1.00	20.7	6.1	2.62	.81	.97	1.00
	1000	470	25.4	7.4	1.82	.81	.96	1.00	24.2	7.1	2.05	.82	.98	1.00	22.9	6.7	2.32	.85	1.00	1.00	21.6	6.3	2.64	.88	1.00	1.00
67°F (19°C)	600	285	24.9	7.3	1.81	.55	.66	.78	23.7	6.9	2.05	.55	.68	.80	22.4	6.6	2.31	.56	.69	.83	20.9	6.1	2.63	.57	.71	.85
	800	380	26.0	7.6	1.82	.58	.72	.87	24.7	7.2	2.06	.59	.74	.89	23.2	6.8	2.33	.60	.77	.92	21.7	6.4	2.64	.62	.79	.95
	1000	470	26.6	7.8	1.83	.61	.78	.94	25.3	7.4	2.06	.63	.81	.96	23.8	7.0	2.33	.64	.83	.98	22.2	6.5	2.64	.66	.87	1.00
71°F (22°C)	600	285	26.6	7.8	1.83	.41	.53	.64	25.3	7.4	2.06	.42	.53	.65	23.9	7.0	2.33	.42	.54	.66	22.3	6.5	2.65	.42	.56	.69
	800	380	27.6	8.1	1.84	.42	.56	.70	26.2	7.7	2.07	.43	.58	.72	24.7	7.2	2.34	.43	.59	.74	23.1	6.8	2.65	.44	.61	.77
	1000	470	28.3	8.3	1.84	.44	.60	.76	26.8	7.9	2.08	.44	.61	.78	25.3	7.4	2.35	.45	.63	.81	23.6	6.9	2.66	.46	.65	.84

## HPXA15-024 — CB29M-31 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	600	285	24.5	7.2	1.81	.70	.82	.94	23.3	6.8	2.05	.71	.85	.96	22.0	6.4	2.32	.73	.86	.98	20.5	6.0	2.63	.75	.90	1.00
	800	380	25.7	7.5	1.82	.76	.91	1.00	24.5	7.2	2.06	.77	.92	1.00	23.1	6.8	2.33	.80	.95	1.00	21.6	6.3	2.64	.82	.98	1.00
	1000	470	26.7	7.8	1.83	.81	.97	1.00	25.4	7.4	2.07	.84	.98	1.00	24.0	7.0	2.33	.86	1.00	1.00	22.6	6.6	2.65	.89	1.00	1.00
67°F (19°C)	600	285	26.2	7.7	1.83	.55	.67	.79	24.9	7.3	2.06	.56	.69	.81	23.4	6.9	2.33	.57	.70	.83	21.9	6.4	2.64	.58	.72	.86
	800	380	27.3	8.0	1.83	.59	.73	.87	25.9	7.6	2.07	.59	.75	.90	24.3	7.1	2.34	.61	.77	.92	22.7	6.7	2.65	.63	.80	.95
	1000	470	28.0	8.2	1.84	.62	.79	.94	26.5	7.8	2.08	.63	.82	.97	25.0	7.3	2.35	.65	.84	.98	23.2	6.8	2.66	.68	.88	1.00
71°F (22°C)	600	285	27.9	8.2	1.84	.42	.53	.65	26.5	7.8	2.07	.43	.54	.66	25.0	7.3	2.35	.43	.55	.68	23.3	6.8	2.67	.43	.57	.70
	800	380	29.0	8.5	1.85	.43	.57	.71	27.5	8.1	2.09	.44	.58	.73	25.9	7.6	2.36	.44	.60	.75	24.1	7.1	2.67	.45	.61	.78
	1000	470	29.7	8.7	1.86	.45	.61	.77	28.2	8.3	2.09	.45	.62	.79	26.5	7.8	2.36	.46	.64	.82	24.6	7.2	2.68	.47	.67	.85

## HPXA15-024 -CB29M-21/26 - HEATING CAPACITY

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						
600	285	30.4	8.9	2.34	24.7	7.2	2.18	19.0	5.6	2.02	13.0	3.8	1.79	6.6	1.9	1.37						
800	380	30.4	8.9	2.08	24.7	7.2	1.92	19.0	5.6	1.77	13.0	3.8	1.53	6.6	1.9	1.12						
1000	470	31.5	9.2	2.03	25.8	7.6	1.87	20.1	5.9	1.72	14.1	4.1	1.48	7.7	2.3	1.07						

## HPXA15-024 - CB29M-31 HEATING CAPACITY

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						
600	285	29.6	8.7	2.02	24.0	7.0	2.18	18.5	5.4	2.32	12.7	3.7	2.36	6.4	1.9	1.74						
800	380	29.7	8.7	1.74	24.1	7.1	1.90	18.6	5.5	2.04	12.8	3.8	2.08	6.5	1.9	1.46						
1000	470	30.6	9.0	1.74	25.0	7.3	1.90	19.5	5.7	2.04	13.7	4.0	2.08	7.4	2.2	1.46						

## HPXA15-024 - CB29M-21/26 - HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.08	30.4	8.9
60	16	2.04	29.0	8.5
55	13	2.00	27.5	8.1
50	10	1.96	26.1	7.6
47	8	1.94	25.2	7.4
45	7	1.92	24.7	7.2
40	4	1.89	23.3	6.8
35	2	1.86	22.0	6.4
30	-1	1.81	20.5	6.0
25	-4	1.77	19.0	5.6
20	-7	1.72	17.5	5.1
17	-8	1.69	16.6	4.9
15	-9	1.67	16.0	4.7
10	-12	1.63	14.6	4.3
5	-15	1.53	13.0	3.8
0	-18	1.43	11.4	3.3
-5	-21	1.32	9.8	2.9
-10	-23	1.22	8.2	2.4
-15	-26	1.12	6.6	1.9
-20	-29	1.02	5.0	1.5

## HPXA15-024 - CB29M-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.74	29.7	8.7
60	16	1.78	28.3	8.3
55	13	1.83	26.9	7.9
50	10	1.87	25.5	7.5
47	8	1.90	24.7	7.2
45	7	1.90	24.1	7.1
40	4	1.88	22.8	6.7
35	2	1.87	21.5	6.3
30	-1	1.95	20.1	5.9
25	-4	2.04	18.6	5.5
20	-7	2.12	17.2	5.0
17	-8	2.17	16.3	4.8
15	-9	2.19	15.7	4.6
10	-12	2.23	14.4	4.2
5	-15	2.08	12.8	3.8
0	-18	1.92	11.2	3.3
-5	-21	1.77	9.6	2.8
-10	-23	1.61	8.0	2.3
-15	-26	1.46	6.5	1.9
-20	-29	1.30	4.9	1.4

# RATINGS

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

## HPXA15-024 — CB29M-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	24.6	7.2	1.82	.66	.80	.93	23.4	6.9	2.05	.68	.81	.95	22.1	6.5	2.32	.69	.84	.98	20.6	6.0	2.63	.71	.87	1.00
	800	380	25.9	7.6	1.83	.72	.89	1.00	24.6	7.2	2.06	.74	.91	1.00	23.2	6.8	2.33	.77	.94	1.00	21.7	6.4	2.65	.80	.97	1.00
	1000	470	26.8	7.9	1.83	.78	.96	1.00	25.6	7.5	2.07	.81	.99	1.00	24.2	7.1	2.34	.84	1.00	1.00	22.7	6.7	2.66	.88	1.00	1.00
67°F (19°C)	600	285	26.3	7.7	1.83	.52	.64	.76	25.0	7.3	2.07	.53	.65	.78	23.5	6.9	2.34	.54	.67	.80	22.0	6.4	2.65	.55	.69	.83
	800	380	27.4	8.0	1.84	.56	.70	.85	26.0	7.6	2.08	.57	.72	.88	24.5	7.2	2.35	.58	.74	.91	22.8	6.7	2.67	.60	.77	.95
	1000	470	28.2	8.3	1.85	.59	.76	.94	26.7	7.8	2.09	.60	.79	.96	25.1	7.4	2.36	.62	.82	.99	23.4	6.9	2.67	.64	.85	1.00
71°F (22°C)	600	285	28.1	8.2	1.84	.40	.51	.61	26.7	7.8	2.08	.40	.51	.63	25.1	7.4	2.36	.40	.52	.64	23.5	6.9	2.67	.41	.53	.66
	800	380	29.2	8.6	1.86	.41	.54	.67	27.7	8.1	2.09	.41	.55	.69	26.1	7.6	2.37	.42	.57	.71	24.3	7.1	2.69	.43	.58	.75
	1000	470	30.0	8.8	1.87	.42	.58	.74	28.4	8.3	2.10	.43	.60	.76	26.7	7.8	2.38	.43	.61	.79	24.8	7.3	2.69	.44	.63	.83

## HPXA15-024 — CB30M-21/26 — CB30U-21/26 - CBX32M-018/024 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	24.9	7.3	1.82	.69	.81	.93	23.7	6.9	2.06	.70	.83	.95	22.4	6.6	2.32	.71	.85	.97	21.0	6.2	2.64	.73	.88	1.00
	800	380	26.3	7.7	1.83	.74	.89	1.00	25.0	7.3	2.07	.76	.91	1.00	23.6	6.9	2.34	.78	.94	1.00	22.1	6.5	2.65	.81	.97	1.00
	1000	470	27.3	8.0	1.84	.80	.96	1.00	25.9	7.6	2.07	.83	.98	1.00	24.6	7.2	2.35	.85	1.00	1.00	23.2	6.8	2.66	.88	1.00	1.00
67°F (19°C)	600	285	26.7	7.8	1.83	.55	.66	.77	25.4	7.4	2.07	.55	.67	.79	24.0	7.0	2.34	.56	.68	.82	22.4	6.6	2.65	.57	.71	.84
	800	380	27.9	8.2	1.84	.57	.72	.86	26.5	7.8	2.08	.59	.74	.88	25.0	7.3	2.36	.60	.76	.91	23.3	6.8	2.67	.61	.78	.94
	1000	470	28.7	8.4	1.85	.61	.78	.94	27.2	8.0	2.09	.62	.80	.96	25.6	7.5	2.36	.64	.83	.98	23.9	7.0	2.68	.66	.86	1.00
71°F (22°C)	600	285	28.5	8.4	1.85	.42	.52	.63	27.1	7.9	2.09	.42	.53	.64	25.6	7.5	2.36	.42	.54	.66	24.0	7.0	2.68	.42	.55	.68
	800	380	29.8	8.7	1.86	.43	.56	.69	28.3	8.3	2.10	.43	.57	.71	26.6	7.8	2.38	.44	.58	.73	24.9	7.3	2.69	.44	.60	.76
	1000	470	30.5	8.9	1.87	.44	.60	.75	29.0	8.5	2.11	.44	.61	.78	27.3	8.0	2.38	.45	.63	.81	25.4	7.4	2.70	.46	.65	.84

## HPXA15-024 - CB29M-41 HEATING CAPACITY

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	
600	285	29.7	8.7	2.22	24.0	7.0	2.06	18.2	5.3	1.90	12.2	3.6	1.66	6.0	1.7	1.25
800	380	30.2	8.9	2.08	24.5	7.2	1.92	18.7	5.5	1.76	12.7	3.7	1.52	6.5	1.9	1.11
1000	470	31.3	9.2	1.99	25.6	7.5	1.83	19.8	5.8	1.67	13.8	4.0	1.44	7.6	2.2	1.03

## HPXA15-024 - CB30M-21/26 — CB30U-21/26 - CBX32M-018/024 HEATING CAPACITY

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	
600	285	30.2	8.9	2.17	24.8	7.3	2.07	19.4	5.7	1.96	13.6	4.0	1.77	7.2	2.1	1.36
800	380	29.5	8.6	1.90	24.1	7.1	1.80	18.7	5.5	1.70	12.9	3.8	1.51	6.5	1.9	1.09
1000	470	31.2	9.1	1.88	25.8	7.6	1.78	20.4	6.0	1.67	14.6	4.3	1.48	8.2	2.4	1.07

## HPXA15-024 - CB29M-41 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.08	30.2	8.9
60	16	2.04	28.8	8.4
55	13	2.00	27.3	8.0
50	10	1.96	25.9	7.6
47	8	1.93	25.0	7.3
45	7	1.92	24.5	7.2
40	4	1.89	23.1	6.8
35	2	1.85	21.7	6.4
30	-1	1.81	20.2	5.9
25	-4	1.76	18.7	5.5
20	-7	1.71	17.2	5.0
17	-8	1.68	16.3	4.8
15	-9	1.67	15.8	4.6
10	-12	1.63	14.3	4.2
5	-15	1.52	12.7	3.7
0	-18	1.42	11.2	3.3
-5	-21	1.32	9.6	2.8
-10	-23	1.22	8.0	2.3
-15	-26	1.11	6.5	1.9
-20	-29	1.01	4.9	1.4

## HPXA15-024 - CB30U/M-21/26 - CBX32M-018/024 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.90	29.5	8.6
60	16	1.88	28.1	8.2
55	13	1.85	26.8	7.9
50	10	1.82	25.4	7.4
47	8	1.81	24.6	7.2
45	7	1.80	24.1	7.1
40	4	1.78	22.8	6.7
35	2	1.76	21.5	6.3
30	-1	1.73	20.1	5.9
25	-4	1.70	18.7	5.5
20	-7	1.67	17.3	5.1
17	-8	1.65	16.4	4.8
15	-9	1.64	15.9	4.7
10	-12	1.61	14.5	4.2
5	-15	1.51	12.9	3.8
0	-18	1.40	11.3	3.3
-5	-21	1.30	9.7	2.8
-10	-23	1.20	8.1	2.4
-15	-26	1.09	6.5	1.9
-20	-29	.99	4.9	1.4

# RATINGS

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

## HPXA15-024 — CB30M-31 — CB30U-31 - CBX32M-030 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	25.4	7.4	1.85	.68	.81	.93	24.2	7.1	2.09	.69	.82	.94	22.9	6.7	2.36	.71	.84	.97	21.4	6.3	2.68	.73	.87	1.00
	800	380	26.8	7.9	1.86	.74	.89	1.00	25.5	7.5	2.10	.76	.91	1.00	24.0	7.0	2.38	.78	.94	1.00	22.5	6.6	2.70	.80	.97	1.00
	1000	470	27.8	8.1	1.87	.80	.97	1.00	26.5	7.8	2.11	.82	.99	1.00	25.1	7.4	2.39	.85	1.00	1.00	23.7	6.9	2.71	.88	1.00	1.00
67°F (19°C)	600	285	27.2	8.0	1.87	.54	.66	.77	25.9	7.6	2.10	.55	.67	.79	24.5	7.2	2.38	.55	.68	.81	22.9	6.7	2.71	.56	.70	.84
	800	380	28.5	8.4	1.88	.57	.72	.86	27.1	7.9	2.12	.58	.73	.88	25.5	7.5	2.40	.59	.75	.91	23.8	7.0	2.72	.61	.78	.94
	1000	470	29.4	8.6	1.89	.61	.78	.93	27.9	8.2	2.13	.62	.80	.96	26.2	7.7	2.41	.64	.83	.98	24.5	7.2	2.73	.66	.86	1.00
71°F (22°C)	600	285	29.1	8.5	1.89	.42	.52	.63	27.7	8.1	2.12	.42	.53	.64	26.2	7.7	2.40	.42	.53	.65	24.5	7.2	2.73	.42	.55	.67
	800	380	30.5	8.9	1.90	.42	.56	.69	28.9	8.5	2.14	.43	.57	.71	27.2	8.0	2.42	.43	.58	.73	25.5	7.5	2.75	.44	.59	.75
	1000	470	31.3	9.2	1.91	.44	.59	.75	29.7	8.7	2.15	.44	.61	.77	27.9	8.2	2.43	.45	.62	.80	26.1	7.6	2.76	.46	.65	.84

## HPXA15-024 — CVP10-26/EC10Q3 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	24.0	7.0	1.81	.68	.81	.93	22.8	6.7	2.04	.69	.82	.95	21.5	6.3	2.31	.70	.85	.97	20.1	5.9	2.62	.73	.88	1.00
	800	380	25.3	7.4	1.82	.74	.89	1.00	24.0	7.0	2.05	.75	.92	1.00	22.7	6.7	2.32	.78	.94	1.00	21.2	6.2	2.63	.81	.97	1.00
	1000	470	26.3	7.7	1.83	.80	.96	1.00	25.0	7.3	2.06	.82	.99	1.00	23.7	6.9	2.33	.85	1.00	1.00	22.2	6.5	2.65	.88	1.00	1.00
67°F (19°C)	600	285	25.7	7.5	1.82	.54	.65	.77	24.4	7.2	2.06	.54	.66	.79	23.0	6.7	2.33	.55	.68	.81	21.4	6.3	2.64	.56	.70	.84
	800	380	26.9	7.9	1.83	.57	.71	.86	25.5	7.5	2.07	.58	.73	.88	24.0	7.0	2.34	.59	.75	.91	22.3	6.5	2.65	.61	.78	.94
	1000	470	27.4	8.1	1.84	.60	.77	.93	26.2	7.7	2.08	.62	.80	.96	24.6	7.2	2.35	.64	.83	.99	22.9	6.7	2.66	.65	.86	1.00
71°F (22°C)	600	285	27.7	8.0	1.84	.41	.52	.63	26.1	7.6	2.07	.41	.53	.64	24.6	7.2	2.34	.42	.54	.65	22.9	6.7	2.66	.42	.55	.68
	800	380	28.6	8.4	1.85	.42	.56	.69	27.2	8.0	2.08	.42	.56	.70	25.6	7.5	2.35	.43	.58	.73	23.8	7.0	2.67	.43	.59	.76
	1000	470	29.4	8.6	1.86	.43	.59	.75	27.9	8.2	2.09	.44	.60	.78	26.1	7.6	2.37	.45	.62	.81	24.3	7.1	2.68	.45	.65	.84

## HPXA15-024 - CB30M-31 — CB30U-31 - CBX32M-030 HEATING CAPACITY

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			
600	285	29.7	8.7	2.11	24.1	7.1	1.98	18.4	5.4	1.86	12.5	3.7	1.66	6.5	1.9	1.27				
800	380	29.5	8.6	1.87	23.9	7.0	1.75	18.2	5.3	1.63	12.3	3.6	1.43	6.3	1.8	1.04				
1000	470	30.7	9.0	1.83	25.1	7.4	1.71	19.4	5.7	1.59	13.5	4.0	1.39	7.5	2.2	1.00				

## HPXA15-024 - CVP10-26/EC10Q3 HEATING CAPACITY

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			
600	285	30.1	8.8	2.17	24.4	7.2	2.03	18.7	5.5	1.89	12.7	3.7	1.68	6.5	1.9	1.29				
800	380	30.1	8.8	1.94	24.4	7.2	1.80	18.7	5.5	1.66	12.7	3.7	1.45	6.5	1.9	1.06				
1000	470	31.1	9.1	1.89	25.4	7.4	1.75	19.7	5.8	1.61	13.7	4.0	1.40	7.5	2.2	1.01				

## HPXA15-024 - CB30M-31 - CB30U-31 - CBX32M-030 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.87	29.5	8.6
60	16	1.84	28.1	8.2
55	13	1.81	26.7	7.8
50	10	1.78	25.3	7.4
47	8	1.76	24.4	7.2
45	7	1.75	23.9	7.0
40	4	1.72	22.5	6.6
35	2	1.70	21.2	6.2
30	-1	1.66	19.7	5.8
25	-4	1.63	18.2	5.3
20	-7	1.59	16.8	4.9
17	-8	1.57	15.9	4.7
15	-9	1.55	15.3	4.5
10	-12	1.52	13.9	4.1
5	-15	1.43	12.3	3.6
0	-18	1.33	10.8	3.2
-5	-21	1.23	9.3	2.7
-10	-23	1.13	7.8	2.3
-15	-26	1.04	6.3	1.8
-20	-29	.94	4.8	1.4

## HPXA15-024 - CVP10-26/EC10Q3 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.94	30.1	8.8
60	16	1.90	28.7	8.4
55	13	1.87	27.3	8.0
50	10	1.83	25.8	7.6
47	8	1.81	25.0	7.3
45	7	1.80	24.4	7.2
40	4	1.77	23.1	6.8
35	2	1.74	21.7	6.4
30	-1	1.70	20.2	5.9
25	-4	1.66	18.7	5.5
20	-7	1.62	17.2	5.0
17	-8	1.60	16.3	4.8
15	-9	1.59	15.7	4.6
10	-12	1.55	14.3	4.2
5	-15	1.45	12.7	3.7
0	-18	1.35	11.2	3.3
-5	-21	1.26	9.6	2.8
-10	-23	1.16	8.0	2.3
-15	-26	1.06	6.5	1.9
-20	-29	.96	4.9	1.4

# RATINGS

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

## HPXA15-024 — C26-21 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.7	6.9	1.82	.69	.81	.93	22.6	6.6	2.05	.70	.83	.95	21.4	6.3	2.32	.72	.85	.98	20.1	5.9	2.63	.74	.88	.99
	800	380	24.9	7.3	1.83	.75	.90	1.00	23.7	6.9	2.06	.76	.92	1.00	22.4	6.6	2.33	.78	.94	1.00	21.1	6.2	2.64	.81	.97	1.00
	1000	470	25.8	7.6	1.83	.81	.96	1.00	24.6	7.2	2.07	.83	.98	1.00	23.3	6.8	2.34	.85	1.00	1.00	22.0	6.4	2.66	.88	1.00	1.00
67°F (19°C)	600	285	25.2	7.4	1.83	.55	.66	.78	24.0	7.0	2.06	.55	.68	.80	22.7	6.7	2.33	.56	.69	.82	21.3	6.2	2.65	.57	.71	.85
	800	380	26.3	7.7	1.84	.58	.72	.87	25.0	7.3	2.07	.59	.74	.89	23.6	6.9	2.35	.60	.76	.91	22.1	6.5	2.66	.62	.79	.94
	1000	470	27.0	7.9	1.84	.61	.79	.94	25.7	7.5	2.08	.63	.80	.96	24.2	7.1	2.35	.64	.83	.98	22.7	6.7	2.67	.66	.86	1.00
71°F (22°C)	600	285	26.9	7.9	1.84	.42	.53	.64	25.6	7.5	2.08	.42	.53	.65	24.3	7.1	2.35	.42	.54	.66	22.7	6.7	2.67	.43	.56	.69
	800	380	28.0	8.2	1.85	.43	.56	.70	26.6	7.8	2.09	.43	.57	.72	25.1	7.4	2.36	.44	.59	.74	23.5	6.9	2.68	.44	.60	.76
	1000	470	28.6	8.4	1.86	.44	.60	.76	27.2	8.0	2.10	.45	.62	.79	25.7	7.5	2.37	.45	.63	.81	24.0	7.0	2.69	.46	.65	.84

## HPXA15-024 — C26-26 - C33-30A/B COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.81	.69	.82	.94	23.0	6.7	2.05	.71	.84	.95	21.7	6.4	2.31	.72	.86	.98	20.3	5.9	2.62	.74	.89	1.00
	800	380	25.5	7.5	1.82	.75	.90	1.00	24.2	7.1	2.06	.76	.93	1.00	22.8	6.7	2.33	.79	.95	1.00	21.3	6.2	2.64	.82	.98	1.00
	1000	470	26.4	7.7	1.83	.81	.97	1.00	25.1	7.4	2.06	.83	.99	1.00	23.8	7.0	2.33	.86	1.00	1.00	22.3	6.5	2.65	.90	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.82	.55	.66	.78	24.5	7.2	2.06	.55	.68	.80	23.1	6.8	2.33	.56	.69	.82	21.6	6.3	2.64	.57	.71	.85
	800	380	26.9	7.9	1.84	.58	.73	.87	25.6	7.5	2.07	.59	.74	.89	24.0	7.0	2.34	.60	.77	.92	22.4	6.6	2.66	.62	.79	.95
	1000	470	27.7	8.1	1.84	.62	.79	.95	26.2	7.7	2.08	.63	.81	.97	24.7	7.2	2.35	.64	.84	.99	22.9	6.7	2.67	.67	.88	1.00
71°F (22°C)	600	285	27.5	8.1	1.84	.42	.53	.64	26.2	7.7	2.08	.42	.53	.65	24.7	7.2	2.35	.42	.54	.67	23.0	6.7	2.66	.42	.56	.69
	800	380	28.7	8.4	1.85	.43	.56	.70	27.2	8.0	2.09	.43	.58	.72	25.6	7.5	2.36	.43	.59	.74	23.8	7.0	2.68	.44	.61	.78
	1000	470	29.4	8.6	1.86	.44	.60	.77	27.9	8.2	2.09	.44	.62	.79	26.1	7.6	2.37	.45	.64	.82	24.3	7.1	2.68	.46	.66	.85

## HPXA15-024 - C26-21 HEATING CAPACITY

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	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW				
cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	
600	285	31.1	9.1	2.37	25.2	7.4	2.19	19.3	5.7	2.02	13.1	3.8	1.78	6.8	2.0	1.37	6.8	2.0	1.37	
800	380	30.9	9.1	2.11	25.0	7.3	1.93	19.1	5.6	1.76	12.9	3.8	1.52	6.6	1.9	1.11	6.6	1.9	1.11	
1000	470	32.1	9.4	2.06	26.2	7.7	1.88	20.3	5.9	1.71	14.1	4.1	1.47	7.8	2.3	1.06	7.8	2.3	1.06	

## HPXA15-024 - C26-26 - C33-30A/B HEATING CAPACITY

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	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	
600	285	30.7	9.0	2.27	24.9	7.3	2.12	19.1	5.6	1.96	13.0	3.8	1.74	6.7	2.0	1.33	6.7	2.0	1.33	
800	380	30.5	8.9	2.03	24.7	7.2	1.87	18.9	5.5	1.72	12.8	3.8	1.49	6.5	1.9	1.09	6.5	1.9	1.09	
1000	470	30.7	9.0	2.27	24.9	7.3	2.12	19.1	5.6	1.96	13.0	3.8	1.74	6.7	2.0	1.33	6.7	2.0	1.33	

## HPXA15-024 - C26-21 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.11	30.9	9.1
60	16	2.06	29.4	8.6
55	13	2.02	27.9	8.2
50	10	1.97	26.4	7.7
47	8	1.95	25.5	7.5
45	7	1.93	25.0	7.3
40	4	1.90	23.6	6.9
35	2	1.86	22.2	6.5
30	-1	1.81	20.6	6.0
25	-4	1.76	19.1	5.6
20	-7	1.71	17.5	5.1
17	-8	1.68	16.6	4.9
15	-9	1.66	16.0	4.7
10	-12	1.62	14.5	4.2
5	-15	1.52	12.9	3.8
0	-18	1.42	11.3	3.3
-5	-21	1.31	9.8	2.9
-10	-23	1.21	8.2	2.4
-15	-26	1.11	6.6	1.9
-20	-29	1.01	5.0	1.5

## HPXA15-024 - C26-26 - C33-30A/B HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.03	30.5	8.9
60	16	1.99	29.0	8.5
55	13	1.95	27.6	8.1
50	10	1.91	26.1	7.6
47	8	1.89	25.2	7.4
45	7	1.87	24.7	7.2
40	4	1.84	23.3	6.8
35	2	1.81	21.9	6.4
30	-1	1.77	20.4	6.0
25	-4	1.72	18.9	5.5
20	-7	1.67	17.4	5.1
17	-8	1.65	16.5	4.8
15	-9	1.63	15.9	4.7
10	-12	1.59	14.4	4.2
5	-15	1.49	12.8	3.8
0	-18	1.39	11.3	3.3
-5	-21	1.29	9.7	2.8
-10	-23	1.19	8.1	2.4
-15	-26	1.09	6.5	1.9
-20	-29	.99	4.9	1.4

# RATINGS

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

## HPXA15-024 — C26-31 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	25.3	7.4	1.83	.68	.81	.92	24.1	7.1	2.07	.69	.82	.95	22.8	6.7	2.34	.70	.85	.97	21.3	6.2	2.66	.73	.87	1.00
	800	380	26.7	7.8	1.85	.74	.89	1.00	25.4	7.4	2.08	.76	.91	1.00	24.0	7.0	2.36	.77	.94	1.00	22.4	6.6	2.67	.80	.98	1.00
	1000	470	27.8	8.1	1.85	.80	.96	1.00	26.4	7.7	2.09	.82	.98	1.00	25.0	7.3	2.37	.85	1.00	1.00	23.6	6.9	2.68	.88	1.00	1.00
67°F (19°C)	600	285	27.1	7.9	1.85	.54	.65	.77	25.8	7.6	2.09	.55	.66	.79	24.3	7.1	2.36	.55	.68	.81	22.7	6.7	2.68	.57	.70	.84
	800	380	28.4	8.3	1.86	.57	.71	.85	27.0	7.9	2.10	.58	.73	.88	25.4	7.4	2.37	.59	.75	.91	23.7	6.9	2.69	.61	.78	.94
	1000	470	29.3	8.6	1.87	.61	.77	.93	27.7	8.1	2.11	.62	.80	.96	26.1	7.6	2.38	.63	.82	.99	24.3	7.1	2.70	.66	.86	1.00
71°F (22°C)	600	285	29.0	8.5	1.87	.41	.52	.63	27.6	8.1	2.10	.42	.53	.64	26.1	7.6	2.38	.42	.53	.65	24.4	7.2	2.70	.42	.55	.67
	800	380	30.3	8.9	1.88	.42	.56	.69	28.8	8.4	2.12	.43	.56	.70	27.1	7.9	2.39	.43	.58	.73	25.3	7.4	2.71	.44	.60	.75
	1000	470	31.2	9.1	1.89	.43	.59	.75	29.5	8.6	2.13	.44	.61	.77	27.8	8.1	2.40	.45	.62	.80	25.9	7.6	2.72	.45	.64	.83

## HPXA15-024 — CR26-18 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	600	285	22.5	6.6	1.79	.68	.81	.93	21.4	6.3	2.02	.70	.83	.95	20.2	5.9	2.28	.71	.85	.97	18.9	5.5	2.59	.73	.88	.99
	800	380	23.6	6.9	1.80	.74	.89	1.00	22.4	6.6	2.03	.76	.91	1.00	21.2	6.2	2.30	.78	.94	1.00	19.8	5.8	2.60	.80	.97	1.00
	1000	470	24.4	7.2	1.81	.80	.95	1.00	23.2	6.8	2.04	.81	.97	1.00	22.0	6.4	2.30	.84	.99	1.00	20.6	6.0	2.61	.87	1.00	1.00
67°F (19°C)	600	285	24.0	7.0	1.80	.54	.66	.77	22.8	6.7	2.03	.55	.67	.80	21.6	6.3	2.30	.56	.68	.82	20.1	5.9	2.61	.57	.71	.84
	800	380	25.0	7.3	1.81	.58	.71	.86	23.8	7.0	2.04	.58	.73	.88	22.4	6.6	2.31	.59	.75	.91	20.9	6.1	2.62	.61	.78	.94
	1000	470	25.7	7.5	1.81	.61	.77	.93	24.4	7.2	2.05	.61	.79	.95	22.9	6.7	2.32	.63	.82	.97	21.4	6.3	2.62	.65	.85	1.00
71°F (22°C)	600	285	25.6	7.5	1.81	.42	.52	.63	24.4	7.2	2.05	.42	.53	.65	23.0	6.7	2.31	.42	.54	.66	21.5	6.3	2.63	.42	.55	.68
	800	380	26.7	7.8	1.82	.42	.56	.69	25.3	7.4	2.05	.43	.57	.71	23.8	7.0	2.33	.43	.58	.73	22.2	6.5	2.64	.44	.60	.76
	1000	470	27.3	8.0	1.83	.44	.59	.75	25.9	7.6	2.06	.44	.60	.77	24.4	7.2	2.33	.45	.62	.80	22.7	6.7	2.64	.46	.64	.83

## HPXA15-024 - C26-31 HEATING CAPACITY

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						
600	285	29.8	8.7	2.12	24.1	7.1	2.00	18.4	5.4	1.87	12.5	3.7	1.67	6.3	1.8	1.28				
800	380	29.9	8.8	1.90	24.2	7.1	1.77	18.5	5.4	1.65	12.6	3.7	1.44	6.4	1.9	1.05				
1000	470	30.9	9.1	1.85	25.2	7.4	1.73	19.5	5.7	1.60	13.6	4.0	1.40	7.4	2.2	1.01				

## HPXA15-024 - CR26-18 HEATING CAPACITY

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						
600	285	30.5	8.9	2.43	24.9	7.3	2.27	19.2	5.6	2.11	13.2	3.9	1.87	6.7	2.0	1.44				
800	380	30.4	8.9	2.16	24.8	7.3	2.00	19.1	5.6	1.84	13.1	3.8	1.60	6.6	1.9	1.17				
1000	470	31.5	9.2	2.10	25.9	7.6	1.94	20.2	5.9	1.78	14.2	4.2	1.54	7.7	2.3	1.11				

## HPXA15-024 - C26-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.90	29.9	8.8
60	16	1.86	28.5	8.4
55	13	1.83	27.1	7.9
50	10	1.80	25.6	7.5
47	8	1.78	24.8	7.3
45	7	1.77	24.2	7.1
40	4	1.75	22.9	6.7
35	2	1.72	21.5	6.3
30	-1	1.68	20.0	5.9
25	-4	1.65	18.5	5.4
20	-7	1.61	17.0	5.0
17	-8	1.59	16.2	4.7
15	-9	1.57	15.6	4.6
10	-12	1.54	14.1	4.1
5	-15	1.44	12.6	3.7
0	-18	1.35	11.0	3.2
-5	-21	1.25	9.5	2.8
-10	-23	1.15	7.9	2.3
-15	-26	1.05	6.4	1.9
-20	-29	.95	4.8	1.4

## HPXA15-024 - CR26-18 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.16	30.4	8.9
60	16	2.12	29.0	8.5
55	13	2.08	27.6	8.1
50	10	2.04	26.1	7.6
47	8	2.01	25.3	7.4
45	7	2.00	24.8	7.3
40	4	1.97	23.4	6.9
35	2	1.93	22.1	6.5
30	-1	1.89	20.6	6.0
25	-4	1.84	19.1	5.6
20	-7	1.79	17.6	5.2
17	-8	1.76	16.7	4.9
15	-9	1.74	16.1	4.7
10	-12	1.70	14.7	4.3
5	-15	1.60	13.1	3.8
0	-18	1.49	11.5	3.4
-5	-21	1.38	9.9	2.9
-10	-23	1.27	8.2	2.4
-15	-26	1.17	6.6	1.9
-20	-29	1.06	5.0	1.5

# RATINGS

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

## HPXA15-024 — CR26-30 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
				cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Dry Bulb				kBTuh	kW	Dry Bulb				kBTuh	kW	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)	600	285	24.5	7.2	1.82	.69	.82	.94	23.3	6.8	2.06	.70	.83	.96	22.0	6.4	2.32	.72	.86	.98	20.5	6.0	2.64	.74	.89	1.00	
	800	380	25.8	7.6	1.83	.74	.90	1.00	24.5	7.2	2.07	.76	.92	1.00	23.1	6.8	2.34	.79	.95	1.00	21.6	6.3	2.65	.81	.98	1.00	
	1000	470	26.8	7.9	1.84	.81	.96	1.00	25.5	7.5	2.07	.83	.98	1.00	24.1	7.1	2.34	.86	1.00	1.00	22.6	6.6	2.66	.89	1.00	1.00	
67°F (19°C)	600	285	26.2	7.7	1.83	.55	.66	.78	24.9	7.3	2.07	.55	.67	.80	23.4	6.9	2.34	.56	.69	.82	21.9	6.4	2.65	.57	.71	.85	
	800	380	27.4	8.0	1.85	.58	.72	.87	26.0	7.6	2.08	.59	.74	.89	24.4	7.2	2.35	.60	.76	.92	22.7	6.7	2.67	.62	.79	.95	
	1000	470	28.2	8.3	1.85	.61	.78	.94	26.7	7.8	2.09	.63	.80	.96	25.0	7.3	2.36	.64	.84	.99	23.3	6.8	2.68	.66	.87	1.00	
71°F (22°C)	600	285	28.0	8.2	1.85	.42	.52	.63	26.6	7.8	2.09	.42	.53	.65	25.0	7.3	2.36	.42	.54	.67	23.4	6.9	2.67	.43	.56	.69	
	800	380	29.2	8.6	1.86	.43	.56	.69	27.7	8.1	2.10	.43	.57	.71	26.0	7.6	2.37	.44	.59	.74	24.2	7.1	2.69	.44	.61	.77	
	1000	470	29.9	8.8	1.87	.44	.60	.76	28.3	8.3	2.11	.45	.62	.78	26.6	7.8	2.38	.45	.63	.81	24.7	7.2	2.70	.46	.65	.85	

## HPXA15-024 — CH23-21 - CH33-30A-2F COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
				cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Dry Bulb				kBTuh	kW	Dry Bulb				kBTuh	kW	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)	600	285	24.0	7.0	1.81	.70	.83	.94	22.8	6.7	2.04	.71	.85	.97	21.5	6.3	2.31	.73	.87	.99	20.0	5.9	2.62	.76	.91	1.00	
	800	380	25.2	7.4	1.82	.76	.91	1.00	24.0	7.0	2.05	.78	.93	1.00	22.6	6.6	2.32	.80	.96	1.00	21.1	6.2	2.63	.84	.99	1.00	
	1000	470	26.2	7.7	1.82	.82	.97	1.00	24.9	7.3	2.06	.84	.99	1.00	23.6	6.9	2.33	.87	1.00	1.00	22.1	6.5	2.64	.91	1.00	1.00	
67°F (19°C)	600	285	25.6	7.5	1.82	.55	.68	.80	24.3	7.1	2.05	.56	.69	.82	22.9	6.7	2.32	.57	.71	.84	21.3	6.2	2.64	.59	.73	.87	
	800	380	26.7	7.8	1.83	.59	.74	.88	25.3	7.4	2.06	.60	.76	.90	23.8	7.0	2.33	.61	.78	.93	22.1	6.5	2.64	.63	.81	.96	
	1000	470	27.4	8.0	1.84	.63	.80	.95	26.0	7.6	2.07	.64	.82	.97	24.4	7.2	2.34	.66	.85	.99	22.7	6.7	2.65	.68	.89	1.00	
71°F (22°C)	600	285	27.3	8.0	1.83	.42	.54	.65	25.9	7.6	2.07	.42	.54	.66	24.4	7.2	2.34	.43	.56	.68	22.7	6.7	2.65	.43	.57	.70	
	800	380	28.4	8.3	1.84	.43	.57	.71	26.9	7.9	2.08	.44	.59	.74	25.3	7.4	2.35	.44	.60	.76	23.5	6.9	2.66	.45	.62	.79	
	1000	470	29.1	8.5	1.85	.45	.62	.78	27.6	8.1	2.08	.45	.63	.80	25.9	7.6	2.35	.46	.65	.83	24.0	7.0	2.67	.47	.68	.87	

## HPXA15-024 - CR26-30 HEATING CAPACITY

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	kW
600	285	31.1	9.1	2.29	25.1	7.4	2.14	19.2	5.6	1.99	13.0	3.8	1.76	6.6	1.9	1.35					
800	380	31.1	9.1	2.04	25.1	7.4	1.89	19.2	5.6	1.74	13.0	3.8	1.51	6.6	1.9	1.10					
1000	470	32.1	9.4	1.99	26.1	7.6	1.84	20.2	5.9	1.69	14.0	4.1	1.46	7.6	2.2	1.05					

## HPXA15-024 - CH23-21 - CH33-30A-2F HEATING CAPACITY

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	kW
600	285	30.2	8.9	2.54	23.9	7.0	2.25	17.7	5.2	1.96	11.4	3.3	1.67	5.5	1.6	1.29					
800	380	30.9	9.1	2.35	24.6	7.2	2.06	18.4	5.4	1.77	12.1	3.5	1.48	6.2	1.8	1.10					
1000	470	31.3	9.2	2.23	25.0	7.3	1.94	18.8	5.5	1.65	12.5	3.7	1.36	6.6	1.9	.98					

## HPXA15-024 - CR26-30 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBTuh	kW
65	18	2.04	31.1	9.1
60	16	2.00	29.6	8.7
55	13	1.96	28.1	8.2
50	10	1.92	26.6	7.8
47	8	1.90	25.7	7.5
45	7	1.89	25.1	7.4
40	4	1.86	23.7	6.9
35	2	1.83	22.3	6.5
30	-1	1.78	20.7	6.1
25	-4	1.74	19.2	5.6
20	-7	1.70	17.6	5.2
17	-8	1.67	16.7	4.9
15	-9	1.65	16.1	4.7
10	-12	1.62	14.6	4.3
5	-15	1.51	13.0	3.8
0	-18	1.41	11.4	3.3
-5	-21	1.31	9.8	2.9
-10	-23	1.21	8.2	2.4
-15	-26	1.10	6.6	1.9
-20	-29	1.00	5.0	1.5

## HPXA15-024 - CH23-21 - CH33-30A-2F HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBTuh	kW
65	18	2.35	30.9	9.1
60	16	2.28	29.3	8.6
55	13	2.21	27.8	8.1
50	10	2.14	26.2	7.7
47	8	2.10	25.3	7.4
45	7	2.06	24.6	7.2
40	4	1.98	23.1	6.8
35	2	1.89	21.6	6.3
30	-1	1.83	20.0	5.9
25	-4	1.77	18.4	5.4
20	-7	1.71	16.8	4.9
17	-8	1.68	15.8	4.6
15	-9	1.65	15.2	4.5
10	-12	1.58	13.6	4.0
5	-15	1.48	12.1	3.5
0	-18	1.39	10.7	3.1
-5	-21	1.29	9.2	2.7
-10	-23	1.20	7.7	2.3
-15	-26	1.10	6.2	1.8
-20	-29	1.01	4.7	1.4

# RATINGS

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

## HPXA15-024 — CH23-31 - CH33-36A/B/C-2F COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C
63°F (17°C)	600	285	24.2	7.1	1.81	.68	.81	.93	23.0	6.7	2.04	.69	.83	.95	21.7	6.4	2.31	.71	.85	.98	20.3	5.9	2.62	.73	.88	1.00
	800	380	25.5	7.5	1.82	.74	.89	1.00	24.2	7.1	2.05	.76	.92	1.00	22.8	6.7	2.32	.78	.95	1.00	21.3	6.2	2.63	.81	.98	1.00
	1000	470	26.4	7.7	1.82	.80	.97	1.00	25.1	7.4	2.06	.82	.99	1.00	23.8	7.0	2.33	.85	1.00	1.00	22.4	6.6	2.65	.88	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.82	.54	.66	.77	24.6	7.2	2.05	.55	.67	.79	23.1	6.8	2.32	.56	.68	.82	21.6	6.3	2.64	.56	.70	.84
	800	380	27.0	7.9	1.83	.57	.72	.86	25.6	7.5	2.07	.58	.73	.89	24.1	7.1	2.33	.59	.76	.91	22.4	6.6	2.65	.61	.79	.95
	1000	470	27.7	8.1	1.84	.61	.78	.94	26.3	7.7	2.07	.62	.80	.96	24.7	7.2	2.34	.64	.83	.99	23.0	6.7	2.66	.66	.87	1.00
71°F (22°C)	600	285	27.6	8.1	1.84	.41	.52	.63	26.2	7.7	2.07	.41	.53	.64	24.7	7.2	2.34	.41	.54	.66	23.1	6.8	2.65	.42	.55	.68
	800	380	28.7	8.4	1.85	.42	.56	.69	27.3	8.0	2.08	.43	.57	.71	25.7	7.5	2.35	.43	.58	.73	23.9	7.0	2.67	.44	.60	.77
	1000	470	29.5	8.6	1.85	.44	.59	.76	27.9	8.2	2.09	.44	.61	.78	26.2	7.7	2.36	.45	.63	.81	24.4	7.2	2.68	.46	.65	.84

## HPXA15-024 — CH23-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C
63°F (17°C)	600	285	25.2	7.4	1.85	.67	.80	.92	24.0	7.0	2.08	.69	.82	.94	22.7	6.7	2.35	.70	.84	.97	21.2	6.2	2.67	.72	.87	.99
	800	380	26.6	7.8	1.86	.73	.89	1.00	25.3	7.4	2.10	.75	.91	1.00	23.9	7.0	2.37	.77	.94	1.00	22.4	6.6	2.69	.80	.97	1.00
	1000	470	27.7	8.1	1.87	.80	.96	1.00	26.3	7.7	2.11	.82	.99	1.00	25.0	7.3	2.38	.85	1.00	1.00	23.5	6.9	2.70	.88	1.00	1.00
67°F (19°C)	600	285	26.9	7.9	1.86	.53	.65	.76	25.6	7.5	2.10	.54	.66	.78	24.2	7.1	2.37	.55	.67	.80	22.6	6.6	2.70	.56	.69	.83
	800	380	28.3	8.3	1.87	.57	.71	.85	26.8	7.9	2.11	.58	.72	.88	25.3	7.4	2.39	.59	.75	.90	23.6	6.9	2.71	.60	.77	.94
	1000	470	29.1	8.5	1.88	.60	.77	.94	27.6	8.1	2.12	.62	.79	.96	26.0	7.6	2.40	.63	.82	.99	24.3	7.1	2.72	.65	.85	1.00
71°F (22°C)	600	285	28.8	8.4	1.88	.41	.52	.62	27.4	8.0	2.12	.41	.52	.63	25.9	7.6	2.39	.41	.53	.65	24.2	7.1	2.72	.42	.54	.67
	800	380	30.1	8.8	1.89	.42	.55	.68	28.6	8.4	2.13	.42	.56	.70	27.0	7.9	2.41	.43	.57	.72	25.2	7.4	2.73	.43	.59	.75
	1000	470	31.0	9.1	1.90	.43	.59	.75	29.3	8.6	2.14	.44	.61	.77	27.6	8.1	2.42	.44	.62	.80	25.8	7.6	2.74	.45	.64	.83

## HPXA15-024 - CH23-31 - CH33-36A/B/C-2F HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
600	285	29.5	8.6	2.30	20.8	6.1	2.16	10.0	2.9	2.02	12.7	3.7	1.80	6.4	1.9	1.37				
800	380	29.5	8.6	2.06	20.8	6.1	1.92	10.0	2.9	1.78	12.7	3.7	1.56	6.4	1.9	1.13				
1000	470	30.1	8.8	1.95	21.4	6.3	1.81	10.6	3.1	1.67	13.3	3.9	1.45	7.0	2.0	1.03				

## HPXA15-024 - CH23-41 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
600	285	30.0	8.8	2.20	24.3	7.1	2.07	18.6	5.5	1.95	12.7	3.7	1.74	6.4	1.9	1.33				
800	380	30.0	8.8	1.97	24.3	7.1	1.84	18.6	5.5	1.72	12.7	3.7	1.51	6.4	1.9	1.10				
1000	470	31.1	9.1	1.93	25.4	7.4	1.80	19.7	5.8	1.67	13.8	4.0	1.46	7.5	2.2	1.05				

## HPXA15-024 - CH23-31 - CH33-36A/B/C-2F HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.06	29.5	8.6
60	16	2.02	28.1	8.2
55	13	1.98	26.8	7.9
50	10	1.95	25.4	7.4
47	8	1.93	24.5	7.2
45	7	1.92	20.8	6.1
40	4	1.89	11.5	3.4
35	2	1.86	2.2	.6
30	-1	1.82	6.1	1.8
25	-4	1.78	10.0	2.9
20	-7	1.74	13.9	4.1
17	-8	1.71	16.2	4.7
15	-9	1.70	15.6	4.6
10	-12	1.66	14.2	4.2
5	-15	1.56	12.7	3.7
0	-18	1.45	11.1	3.3
-5	-21	1.35	9.5	2.8
-10	-23	1.24	8.0	2.3
-15	-26	1.13	6.4	1.9
-20	-29	1.03	4.9	1.4

## HPXA15-024 - CH23-41 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.97	30.0	8.8
60	16	1.94	28.5	8.4
55	13	1.91	27.1	7.9
50	10	1.87	25.7	7.5
47	8	1.85	24.8	7.3
45	7	1.84	24.3	7.1
40	4	1.82	22.9	6.7
35	2	1.79	21.6	6.3
30	-1	1.75	20.1	5.9
25	-4	1.72	18.6	5.5
20	-7	1.68	17.1	5.0
17	-8	1.65	16.2	4.7
15	-9	1.64	15.7	4.6
10	-12	1.61	14.2	4.2
5	-15	1.51	12.7	3.7
0	-18	1.40	11.1	3.3
-5	-21	1.30	9.6	2.8
-10	-23	1.20	8.0	2.3
-15	-26	1.10	6.4	1.9
-20	-29	.99	4.9	1.4

# RATINGS

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

## HPXA15-030 — CB29M-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	800	380	28.0	8.2	1.80	.72	.87	.99	26.6	7.8	2.04	.73	.89	1.00	25.2	7.4	2.31	.76	.92	1.00	23.5	6.9	2.62	.78	.95	1.00
	1000	470	29.1	8.5	1.80	.77	.94	1.00	27.7	8.1	2.04	.80	.96	1.00	26.2	7.7	2.31	.82	.99	1.00	24.6	7.2	2.63	.85	1.00	1.00
	1200	565	30.0	8.8	1.81	.83	.99	1.00	28.7	8.4	2.04	.85	1.00	1.00	27.2	8.0	2.32	.88	1.00	1.00	25.6	7.5	2.63	.92	1.00	1.00
67°F (19°C)	800	380	29.8	8.7	1.81	.56	.69	.83	28.3	8.3	2.04	.57	.71	.86	26.7	7.8	2.31	.58	.73	.88	24.9	7.3	2.63	.59	.76	.92
	1000	470	30.7	9.0	1.81	.59	.75	.91	29.1	8.5	2.05	.60	.77	.94	27.4	8.0	2.32	.62	.80	.97	25.5	7.5	2.64	.64	.83	.99
	1200	565	31.3	9.2	1.81	.62	.81	.97	29.7	8.7	2.05	.64	.83	.99	28.0	8.2	2.32	.66	.86	1.00	26.0	7.6	2.64	.68	.90	1.00
71°F (22°C)	800	380	31.8	9.3	1.81	.41	.54	.67	30.2	8.9	2.05	.42	.55	.69	28.5	8.4	2.32	.42	.56	.70	26.6	7.8	2.64	.43	.58	.73
	1000	470	32.7	9.6	1.82	.43	.58	.73	31.0	9.1	2.05	.43	.59	.75	29.2	8.6	2.33	.44	.61	.77	27.2	8.0	2.64	.45	.63	.81
	1200	565	33.3	9.8	1.82	.44	.61	.79	31.6	9.3	2.06	.45	.63	.81	29.6	8.7	2.33	.46	.65	.84	27.6	8.1	2.65	.46	.67	.88

## HPXA15-030 — CB30M-21/26 — CB30U-21/26 - CBX32M-018/024 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	28.6	8.4	1.81	.71	.86	.98	27.3	8.0	2.05	.73	.88	1.00	25.8	7.6	2.33	.74	.91	1.00	24.2	7.1	2.64	.77	.94	1.00
	1000	470	29.7	8.7	1.82	.76	.94	1.00	28.3	8.3	2.06	.79	.96	1.00	26.8	7.9	2.33	.81	.98	1.00	25.2	7.4	2.65	.84	1.00	1.00
	1200	565	30.7	9.0	1.82	.82	.99	1.00	29.3	8.6	2.06	.84	1.00	1.00	27.9	8.2	2.33	.87	1.00	1.00	26.3	7.7	2.65	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.82	.55	.69	.82	29.0	8.5	2.06	.56	.70	.84	27.4	8.0	2.33	.57	.72	.87	25.6	7.5	2.65	.59	.74	.90
	1000	470	31.4	9.2	1.82	.59	.74	.90	29.9	8.8	2.06	.60	.76	.93	28.2	8.3	2.34	.61	.78	.95	26.3	7.7	2.66	.63	.82	.98
	1200	565	32.1	9.4	1.83	.62	.80	.97	30.5	8.9	2.07	.63	.82	.99	28.8	8.4	2.34	.65	.85	1.00	26.9	7.9	2.66	.67	.88	1.00
71°F (22°C)	800	380	32.6	9.6	1.83	.41	.54	.66	31.0	9.1	2.07	.42	.55	.68	29.3	8.6	2.34	.42	.56	.70	27.4	8.0	2.66	.42	.57	.72
	1000	470	33.5	9.8	1.83	.43	.57	.72	31.9	9.3	2.07	.43	.58	.74	30.1	8.8	2.35	.44	.60	.76	28.0	8.2	2.67	.44	.62	.79
	1200	565	34.2	10.0	1.84	.44	.60	.77	32.4	9.5	2.08	.44	.62	.80	30.6	9.0	2.35	.45	.64	.83	28.5	8.4	2.67	.46	.66	.87

## HPXA15-030 - CB29M-41 HEATING CAPACITY

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						
800	380	36.1	10.6	2.55	29.4	8.6	2.42	22.7	6.7	2.31	15.5	4.5	2.03	8.0	2.3	1.56					
1000	470	35.9	10.5	2.22	29.2	8.6	2.10	22.5	6.6	1.98	15.3	4.5	1.70	7.8	2.3	1.24					
1200	565	37.0	10.8	2.30	30.3	8.9	2.17	23.6	6.9	2.06	16.4	4.8	1.78	8.9	2.6	1.31					

## HPXA15-030 - CB30M-21/26 — CB30U-21/26 - CBX32M-018/024 HEATING CAPACITY

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						
800	380	35.8	10.5	2.47	28.8	8.4	2.33	21.8	6.4	2.18	14.9	4.4	1.94	7.3	2.1	1.46					
1000	470	36.3	10.6	2.32	29.3	8.6	2.17	22.3	6.5	2.03	15.4	4.5	1.79	7.8	2.3	1.30					
1200	565	36.6	10.7	2.22	29.6	8.7	2.08	22.6	6.6	1.93	15.7	4.6	1.69	8.1	2.4	1.21					

## HPXA15-030 - CB29M-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.22	35.9	10.5
60	16	2.19	34.2	10.0
55	13	2.15	32.5	9.5
50	10	2.11	30.8	9.0
47	8	2.09	29.8	8.7
45	7	2.10	29.2	8.6
40	4	2.11	27.7	8.1
35	2	2.12	26.1	7.6
30	-1	2.05	24.3	7.1
25	-4	1.98	22.5	6.6
20	-7	1.91	20.7	6.1
17	-8	1.87	19.6	5.7
15	-9	1.86	18.9	5.5
10	-12	1.82	17.2	5.0
5	-15	1.70	15.3	4.5
0	-18	1.59	13.4	3.9
-5	-21	1.47	11.5	3.4
-10	-23	1.36	9.6	2.8
-15	-26	1.24	7.8	2.3
-20	-29	1.12	5.9	1.7

## HPXA15-030 - CB30M/U-21/26 - CBX32M-018/024 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.32	36.3	10.6
60	16	2.28	34.6	10.1
55	13	2.24	32.8	9.6
50	10	2.21	31.1	9.1
47	8	2.18	30.1	8.8
45	7	2.17	29.3	8.6
40	4	2.14	27.4	8.0
35	2	2.11	25.5	7.5
30	-1	2.07	23.9	7.0
25	-4	2.03	22.3	6.5
20	-7	1.99	20.7	6.1
17	-8	1.96	19.7	5.8
15	-9	1.95	19.0	5.6
10	-12	1.91	17.3	5.1
5	-15	1.79	15.4	4.5
0	-18	1.67	13.5	4.0
-5	-21	1.54	11.6	3.4
-10	-23	1.42	9.7	2.8
-15	-26	1.30	7.8	2.3
-20	-29	1.18	5.9	1.7



# RATINGS

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

## HPXA15-030 — CB30M-31 — CB30U-31 - CBX32M-030 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.6	8.7	1.82	.72	.86	.99	28.2	8.3	2.05	.73	.88	1.00	26.7	7.8	2.33	.75	.91	1.00	25.0	7.3	2.65	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.77	.93	1.00	29.3	8.6	2.06	.79	.96	1.00	27.7	8.1	2.34	.82	.98	1.00	26.1	7.6	2.65	.84	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.99	1.00	30.3	8.9	2.06	.85	1.00	1.00	28.9	8.5	2.34	.88	1.00	1.00	27.3	8.0	2.66	.91	1.00	1.00
67°F (19°C)	800	380	31.6	9.3	1.82	.56	.69	.83	30.0	8.8	2.06	.57	.71	.85	28.4	8.3	2.34	.58	.73	.87	26.6	7.8	2.66	.59	.75	.90
	1000	470	32.6	9.6	1.83	.59	.75	.90	31.0	9.1	2.07	.61	.77	.93	29.3	8.6	2.34	.62	.79	.95	27.4	8.0	2.66	.64	.82	.98
	1200	565	33.3	9.8	1.83	.63	.80	.97	31.7	9.3	2.07	.64	.83	.99	29.9	8.8	2.35	.66	.86	1.00	28.0	8.2	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.42	.54	.67	32.1	9.4	2.07	.42	.55	.68	30.4	8.9	2.35	.43	.56	.70	28.4	8.3	2.67	.43	.58	.73
	1000	470	34.8	10.2	1.84	.43	.58	.73	33.0	9.7	2.08	.44	.59	.75	31.2	9.1	2.36	.44	.60	.77	29.2	8.6	2.67	.45	.63	.80
	1200	565	35.5	10.4	1.84	.44	.61	.78	33.7	9.9	2.09	.45	.63	.80	31.8	9.3	2.36	.46	.65	.83	29.7	8.7	2.68	.47	.67	.87

## HPXA15-030 — CB30M-41 — CB30U-41/46 - CBX32M-036 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.6	8.7	1.81	.73	.87	.99	28.2	8.3	2.05	.74	.89	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.79	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.83	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.3	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.89	1.00	1.00	27.3	8.0	2.65	.92	1.00	1.00
67°F (19°C)	800	380	31.6	9.3	1.82	.57	.70	.83	30.1	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.6	9.6	1.83	.60	.76	.91	31.0	9.1	2.07	.62	.78	.93	29.3	8.6	2.34	.63	.80	.96	27.5	8.1	2.65	.65	.83	.99
	1200	565	33.4	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	30.0	8.8	2.34	.67	.86	1.00	28.1	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.8	9.9	1.83	.43	.55	.68	32.2	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.44	.57	.71	28.5	8.4	2.66	.44	.59	.73
	1000	470	34.9	10.2	1.84	.44	.59	.74	33.1	9.7	2.08	.45	.60	.75	31.3	9.2	2.35	.45	.61	.78	29.3	8.6	2.66	.46	.63	.80
	1200	565	35.6	10.4	1.84	.45	.62	.79	33.8	9.9	2.08	.46	.64	.81	31.9	9.3	2.35	.47	.66	.84	29.8	8.7	2.67	.47	.68	.87

## HPXA15-030 - CB30-31 — CB30U-31 - CBX32M-030 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	35.5	10.4	2.34	28.7	8.4	2.23	22.1	6.5	2.14	15.0	4.4	1.88	7.8	2.3	1.45				
1000	470	35.2	10.3	2.06	28.4	8.3	1.95	21.8	6.4	1.85	14.7	4.3	1.60	7.5	2.2	1.16				
1200	565	36.3	10.6	2.10	29.5	8.6	1.99	22.9	6.7	1.90	15.8	4.6	1.64	8.6	2.5	1.21				

## HPXA15-030 - CB30M-41 — CB30U-41/46 - CBX32M-036 HEATING CAPACITY

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						
800	380	35.7	10.5	2.31	28.9	8.5	2.21	22.1	6.5	2.12	15.0	4.4	1.87	7.7	2.3	1.44				
1000	470	35.5	10.4	2.02	28.7	8.4	1.91	21.9	6.4	1.82	14.8	4.3	1.57	7.5	2.2	1.14				
1200	565	36.5	10.7	2.07	29.7	8.7	1.97	22.9	6.7	1.88	15.8	4.6	1.63	8.5	2.5	1.20				

## HPXA15-030 - CB30M-31 - CB30U-31 - CBX32M-030 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.06	35.2	10.3
60	16	2.03	33.5	9.8
55	13	1.99	31.8	9.3
50	10	1.96	30.1	8.8
47	8	1.94	29.1	8.5
45	7	1.95	28.4	8.3
40	4	1.96	26.9	7.9
35	2	1.98	25.4	7.4
30	-1	1.91	23.6	6.9
25	-4	1.85	21.8	6.4
20	-7	1.79	19.9	5.8
17	-8	1.75	18.9	5.5
15	-9	1.74	18.2	5.3
10	-12	1.71	16.5	4.8
5	-15	1.60	14.7	4.3
0	-18	1.49	12.9	3.8
-5	-21	1.38	11.1	3.3
-10	-23	1.27	9.3	2.7
-15	-26	1.16	7.5	2.2
-20	-29	1.05	5.7	1.7

## HPXA15-030 - CB30M-41-CB30U-41/46-CBX32M-036 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	35.5	10.4
60	16	1.99	33.8	9.9
55	13	1.96	32.1	9.4
50	10	1.93	30.3	8.9
47	8	1.91	29.3	8.6
45	7	1.91	28.7	8.4
40	4	1.93	27.1	7.9
35	2	1.94	25.6	7.5
30	-1	1.88	23.8	7.0
25	-4	1.82	21.9	6.4
20	-7	1.76	20.1	5.9
17	-8	1.72	19.0	5.6
15	-9	1.71	18.3	5.4
10	-12	1.68	16.6	4.9
5	-15	1.57	14.8	4.3
0	-18	1.47	13.0	3.8
-5	-21	1.36	11.2	3.3
-10	-23	1.25	9.3	2.7
-15	-26	1.14	7.5	2.2
-20	-29	1.04	5.7	1.7

# RATINGS

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

## HPXA15-030 — CB30M-46 - CBX32M-042 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.6	8.7	1.81	.73	.87	.99	28.2	8.3	2.05	.74	.89	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.79	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.83	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.3	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.89	1.00	1.00	27.3	8.0	2.65	.92	1.00	1.00
67°F (19°C)	800	380	31.6	9.3	1.82	.57	.70	.83	30.1	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.6	9.6	1.83	.60	.76	.91	31.0	9.1	2.07	.62	.78	.93	29.3	8.6	2.34	.63	.80	.96	27.5	8.1	2.65	.65	.83	.99
	1200	565	33.4	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	30.0	8.8	2.34	.67	.86	1.00	28.1	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.8	9.9	1.83	.43	.55	.68	32.2	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.44	.57	.71	28.5	8.4	2.66	.44	.59	.73
	1000	470	34.9	10.2	1.84	.44	.59	.74	33.1	9.7	2.08	.45	.60	.75	31.3	9.2	2.35	.45	.61	.78	29.3	8.6	2.66	.46	.63	.80
	1200	565	35.6	10.4	1.84	.45	.62	.79	33.8	9.9	2.08	.46	.64	.81	31.9	9.3	2.35	.47	.66	.84	29.8	8.7	2.67	.47	.68	.87

## HPXA15-030 — CB31MV-41 - CBX32MV-036 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.5	8.6	1.81	.72	.86	.98	28.1	8.2	2.05	.74	.88	1.00	26.6	7.8	2.32	.75	.91	1.00	25.0	7.3	2.64	.78	.93	1.00
	1000	470	30.7	9.0	1.82	.78	.93	1.00	29.2	8.6	2.06	.80	.95	1.00	27.7	8.1	2.33	.81	.97	1.00	26.1	7.6	2.65	.84	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.98	1.00	30.3	8.9	2.06	.85	1.00	1.00	28.8	8.4	2.33	.88	1.00	1.00	27.3	8.0	2.65	.90	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.57	.71	.85	28.4	8.3	2.33	.58	.73	.87	26.6	7.8	2.65	.60	.75	.90
	1000	470	32.6	9.6	1.83	.60	.75	.90	31.0	9.1	2.07	.61	.77	.92	29.3	8.6	2.34	.62	.79	.95	27.4	8.0	2.65	.64	.82	.98
	1200	565	33.3	9.8	1.83	.63	.81	.96	31.7	9.3	2.07	.64	.83	.98	29.9	8.8	2.34	.66	.86	1.00	28.0	8.2	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.42	.55	.67	32.1	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.43	.57	.70	28.5	8.4	2.66	.44	.58	.73
	1000	470	34.8	10.2	1.84	.44	.58	.73	33.0	9.7	2.08	.44	.59	.75	31.2	9.1	2.35	.45	.61	.77	29.3	8.6	2.66	.45	.62	.80
	1200	565	35.5	10.4	1.84	.45	.62	.78	33.7	9.9	2.08	.45	.63	.80	31.8	9.3	2.35	.46	.65	.83	29.8	8.7	2.67	.47	.67	.86

## HPXA15-030 - CB30M-46 - CBX32M-042 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	35.7	10.5	2.31	28.9	8.5	2.21	22.2	6.5	2.12	15.0	4.4	1.87	7.7	2.3	1.44
1000	470	35.5	10.4	2.02	28.7	8.4	1.91	22.0	6.4	1.82	14.8	4.3	1.57	7.5	2.2	1.14
1200	565	36.5	10.7	2.07	29.7	8.7	1.97	23.0	6.7	1.88	15.8	4.6	1.63	8.5	2.5	1.20

## HPXA15-030 - CB31MV-41 - CBX32MV-036 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	35.4	10.4	2.31	28.6	8.4	2.21	21.8	6.4	2.12	14.7	4.3	1.87	7.6	2.2	1.44
1000	470	35.2	10.3	2.02	28.4	8.3	1.91	21.6	6.3	1.82	14.5	4.2	1.57	7.4	2.2	1.14
1200	565	36.2	10.6	2.07	29.4	8.6	1.97	22.6	6.6	1.88	15.5	4.5	1.63	8.4	2.5	1.20

## HPXA15-030 - CB30M-46 - CBX32M-042 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	35.5	10.4
60	16	1.99	33.8	9.9
55	13	1.96	32.1	9.4
50	10	1.93	30.4	8.9
47	8	1.91	29.3	8.6
45	7	1.91	28.7	8.4
40	4	1.93	27.2	8.0
35	2	1.94	25.6	7.5
30	-1	1.88	23.8	7.0
25	-4	1.82	22.0	6.4
20	-7	1.76	20.1	5.9
17	-8	1.72	19.0	5.6
15	-9	1.71	18.3	5.4
10	-12	1.68	16.6	4.9
5	-15	1.57	14.8	4.3
0	-18	1.47	13.0	3.8
-5	-21	1.36	11.2	3.3
-10	-23	1.25	9.3	2.7
-15	-26	1.14	7.5	2.2
-20	-29	1.04	5.7	1.7

## HPXA15-030 - CB31MV-41 - CBX32MV-036 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	35.2	10.3
60	16	1.99	33.5	9.8
55	13	1.96	31.8	9.3
50	10	1.93	30.0	8.8
47	8	1.91	29.0	8.5
45	7	1.91	28.4	8.3
40	4	1.93	26.8	7.9
35	2	1.94	25.3	7.4
30	-1	1.88	23.5	6.9
25	-4	1.82	21.6	6.3
20	-7	1.76	19.8	5.8
17	-8	1.72	18.7	5.5
15	-9	1.71	18.0	5.3
10	-12	1.68	16.3	4.8
5	-15	1.57	14.5	4.2
0	-18	1.47	12.7	3.7
-5	-21	1.36	11.0	3.2
-10	-23	1.25	9.2	2.7
-15	-26	1.14	7.4	2.2
-20	-29	1.04	5.6	1.6

# RATINGS

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

## HPXA15-030 — CVP10-31/EC10Q3 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	28.6	8.4	1.81	.73	.86	.98	27.3	8.0	2.04	.74	.88	.99	25.8	7.6	2.32	.76	.91	1.00	24.2	7.1	2.63	.78	.94	1.00
	1000	470	29.7	8.7	1.81	.78	.93	1.00	28.4	8.3	2.05	.80	.95	1.00	26.9	7.9	2.32	.82	.97	1.00	25.3	7.4	2.64	.85	1.00	1.00
	1200	565	30.7	9.0	1.81	.83	.99	1.00	29.4	8.6	2.05	.85	1.00	1.00	27.9	8.2	2.32	.88	1.00	1.00	26.4	7.7	2.64	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.81	.57	.70	.83	29.0	8.5	2.05	.58	.72	.85	27.5	8.1	2.32	.59	.73	.87	25.8	7.6	2.64	.60	.76	.90
	1000	470	31.5	9.2	1.82	.60	.76	.90	30.0	8.8	2.06	.61	.77	.92	28.3	8.3	2.33	.62	.80	.95	26.5	7.8	2.65	.64	.83	.98
	1200	565	32.2	9.4	1.82	.63	.81	.96	30.6	9.0	2.06	.64	.83	.98	28.9	8.5	2.33	.66	.86	1.00	27.0	7.9	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.6	9.6	1.82	.43	.55	.67	31.0	9.1	2.06	.43	.56	.69	29.4	8.6	2.33	.43	.57	.71	27.5	8.1	2.65	.44	.59	.73
	1000	470	33.6	9.8	1.83	.44	.58	.73	32.0	9.4	2.07	.44	.60	.75	30.2	8.9	2.34	.45	.61	.77	28.2	8.3	2.66	.45	.63	.80
	1200	565	34.3	10.1	1.83	.45	.62	.79	32.6	9.6	2.07	.45	.63	.81	30.7	9.0	2.35	.46	.65	.84	28.7	8.4	2.66	.47	.68	.87

## HPXA15-030 — CVP10-41/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	28.6	8.4	1.81	.73	.86	.98	27.2	8.0	2.05	.74	.88	1.00	25.8	7.6	2.32	.76	.91	1.00	24.1	7.1	2.64	.78	.94	1.00
	1000	470	29.8	8.7	1.81	.78	.93	1.00	28.3	8.3	2.05	.80	.95	1.00	26.8	7.9	2.33	.82	.98	1.00	25.2	7.4	2.64	.85	1.00	1.00
	1200	565	30.7	9.0	1.82	.83	.99	1.00	29.4	8.6	2.06	.85	1.00	1.00	28.0	8.2	2.33	.88	1.00	1.00	26.4	7.7	2.65	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.82	.57	.70	.83	29.1	8.5	2.05	.57	.71	.85	27.5	8.1	2.33	.59	.73	.87	25.7	7.5	2.65	.60	.75	.90
	1000	470	31.6	9.3	1.82	.60	.75	.90	30.0	8.8	2.06	.61	.77	.92	28.3	8.3	2.34	.62	.80	.95	26.5	7.8	2.65	.64	.82	.98
	1200	565	32.3	9.5	1.83	.63	.81	.96	30.7	9.0	2.06	.65	.83	.98	29.0	8.5	2.34	.66	.86	1.00	27.1	7.9	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.7	9.6	1.83	.43	.55	.67	31.1	9.1	2.07	.43	.56	.69	29.4	8.6	2.34	.43	.57	.71	27.5	8.1	2.66	.44	.58	.73
	1000	470	33.7	9.9	1.83	.44	.58	.73	32.0	9.4	2.07	.44	.60	.75	30.2	8.9	2.34	.45	.61	.77	28.3	8.3	2.66	.45	.63	.80
	1200	565	34.5	10.1	1.84	.45	.62	.79	32.7	9.6	2.08	.46	.63	.81	30.8	9.0	2.35	.46	.65	.83	28.8	8.4	2.66	.47	.67	.87

## HPXA15-030 - CVP10-31/EC10Q3 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	41.5	12.2	3.12	34.7	10.2	2.99	28.0	8.2	2.88	20.7	6.1	2.61	13.2	3.9	2.16				
1000	470	36.0	10.6	2.15	29.2	8.6	2.02	22.5	6.6	1.91	15.2	4.5	1.64	7.7	2.3	1.19				
1200	565	42.6	12.5	2.73	35.8	10.5	2.60	29.1	8.5	2.49	21.8	6.4	2.22	14.3	4.2	1.77				

## HPXA15-030 - CVP10-41/46/EC10Q4 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	35.8	10.5	2.32	29.1	8.5	2.21	22.5	6.6	2.12	15.3	4.5	1.86	7.9	2.3	1.43				
1000	470	35.5	10.4	2.05	28.8	8.4	1.94	22.2	6.5	1.84	15.0	4.4	1.59	7.6	2.2	1.15				
1200	565	36.6	10.7	2.09	29.9	8.8	1.98	23.3	6.8	1.88	16.1	4.7	1.63	8.7	2.5	1.19				

## HPXA15-030 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.15	36.0	10.6
60	16	2.11	34.3	10.1
55	13	2.08	32.6	9.6
50	10	2.04	30.9	9.1
47	8	2.02	29.8	8.7
45	7	2.02	29.2	8.6
40	4	2.04	27.7	8.1
35	2	2.05	26.1	7.6
30	-1	1.98	24.3	7.1
25	-4	1.91	22.5	6.6
20	-7	1.84	20.6	6.0
17	-8	1.80	19.5	5.7
15	-9	1.79	18.8	5.5
10	-12	1.75	17.1	5.0
5	-15	1.64	15.2	4.5
0	-18	1.53	13.4	3.9
-5	-21	1.42	11.5	3.4
-10	-23	1.31	9.6	2.8
-15	-26	1.19	7.7	2.3
-20	-29	1.08	5.9	1.7

## HPXA15-030 - CVP10-41/46/EC10Q4 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.05	35.5	10.4
60	16	2.02	33.8	9.9
55	13	1.98	32.1	9.4
50	10	1.95	30.5	8.9
47	8	1.93	29.4	8.6
45	7	1.94	28.8	8.4
40	4	1.95	27.3	8.0
35	2	1.97	25.8	7.6
30	-1	1.90	24.0	7.0
25	-4	1.84	22.2	6.5
20	-7	1.78	20.4	6.0
17	-8	1.74	19.3	5.7
15	-9	1.73	18.6	5.5
10	-12	1.70	16.9	5.0
5	-15	1.59	15.0	4.4
0	-18	1.48	13.2	3.9
-5	-21	1.37	11.3	3.3
-10	-23	1.26	9.5	2.8
-15	-26	1.15	7.6	2.2
-20	-29	1.05	5.8	1.7

# RATINGS

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

## HPXA15-030 — C26-31 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	800	380	29.4	8.6	1.82	.73	.86	.98	28.0	8.2	2.06	.74	.89	.99	26.6	7.8	2.33	.76	.91	1.00	25.0	7.3	2.65	.78	.93	1.00
	1000	470	30.6	9.0	1.82	.78	.93	1.00	29.1	8.5	2.06	.80	.96	1.00	27.6	8.1	2.34	.82	.98	1.00	26.0	7.6	2.66	.85	1.00	1.00
	1200	565	31.5	9.2	1.83	.83	.98	1.00	30.1	8.8	2.07	.85	1.00	1.00	28.7	8.4	2.34	.87	1.00	1.00	27.2	8.0	2.66	.90	1.00	1.00
67°F (19°C)	800	380	31.3	9.2	1.83	.57	.70	.83	29.9	8.8	2.07	.58	.72	.85	28.3	8.3	2.34	.59	.73	.87	26.6	7.8	2.66	.60	.76	.90
	1000	470	32.4	9.5	1.83	.60	.76	.90	30.8	9.0	2.07	.61	.77	.92	29.1	8.5	2.35	.62	.80	.95	27.3	8.0	2.67	.64	.82	.98
	1200	565	33.1	9.7	1.84	.63	.81	.96	31.5	9.2	2.08	.64	.83	.98	29.7	8.7	2.35	.66	.86	1.00	27.9	8.2	2.67	.68	.89	1.00
71°F (22°C)	800	380	33.5	9.8	1.84	.43	.55	.67	31.9	9.3	2.08	.43	.56	.69	30.3	8.9	2.35	.43	.57	.71	28.4	8.3	2.67	.44	.58	.73
	1000	470	34.5	10.1	1.84	.44	.59	.73	32.9	9.6	2.08	.44	.60	.75	31.1	9.1	2.36	.45	.61	.77	29.1	8.5	2.67	.45	.63	.80
	1200	565	35.2	10.3	1.84	.45	.62	.78	33.5	9.8	2.09	.45	.63	.81	31.6	9.3	2.36	.46	.65	.84	29.6	8.7	2.68	.47	.67	.86

## HPXA15-030 — C33-38A/B - C26-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	800	380	29.5	8.6	1.81	.73	.87	.98	28.2	8.3	2.05	.74	.88	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.82	.98	1.00	26.2	7.7	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.4	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.88	1.00	1.00	27.3	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.5	9.5	1.83	.60	.76	.91	31.0	9.1	2.07	.61	.78	.93	29.2	8.6	2.34	.63	.80	.96	27.4	8.0	2.65	.64	.83	.98
	1200	565	33.3	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	29.9	8.8	2.34	.66	.86	1.00	28.0	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.6	9.8	1.83	.43	.55	.68	32.1	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.43	.57	.71	28.4	8.3	2.66	.44	.58	.73
	1000	470	34.7	10.2	1.83	.44	.59	.73	33.0	9.7	2.08	.44	.60	.75	31.2	9.1	2.35	.45	.61	.78	29.2	8.6	2.66	.46	.63	.81
	1200	565	35.4	10.4	1.84	.45	.62	.79	33.7	9.9	2.08	.46	.64	.81	31.8	9.3	2.35	.46	.65	.84	29.7	8.7	2.67	.47	.68	.87

## HPXA15-030 - C26-31 - HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	36.2	10.6	2.46	29.4	8.6	2.34	22.6	6.6	2.22	15.4	4.5	1.95	8.0	2.3	1.51
1000	470	35.9	10.5	2.15	29.1	8.5	2.02	22.3	6.5	1.91	15.1	4.4	1.64	7.7	2.3	1.19
1200	565	37.0	10.8	2.21	30.2	8.9	2.08	23.4	6.9	1.97	16.2	4.7	1.70	8.8	2.6	1.25

## HPXA15-030 - C33-38A/B - C26-41 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	36.1	10.6	2.35	29.2	8.6	2.25	22.4	6.6	2.15	15.2	4.5	1.89	7.8	2.3	1.46
1000	470	35.9	10.5	2.05	29.0	8.5	1.95	22.2	6.5	1.85	15.0	4.4	1.59	7.6	2.2	1.16
1200	565	37.0	10.8	2.11	30.1	8.8	2.01	23.3	6.8	1.91	16.1	4.7	1.65	8.7	2.5	1.22

## HPXA15-030 - C26-31 - HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.15	35.9	10.5
60	16	2.11	34.2	10.0
55	13	2.08	32.5	9.5
50	10	2.04	30.7	9.0
47	8	2.02	29.7	8.7
45	7	2.02	29.1	8.5
40	4	2.03	27.5	8.1
35	2	2.05	26.0	7.6
30	-1	1.98	24.1	7.1
25	-4	1.91	22.3	6.5
20	-7	1.84	20.4	6.0
17	-8	1.80	19.3	5.7
15	-9	1.79	18.6	5.5
10	-12	1.75	16.9	5.0
5	-15	1.64	15.1	4.4
0	-18	1.53	13.2	3.9
-5	-21	1.42	11.4	3.3
-10	-23	1.30	9.5	2.8
-15	-26	1.19	7.7	2.3
-20	-29	1.08	5.8	1.7

## HPXA15-030 - C33-38A/B - C26-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.05	35.9	10.5
60	16	2.02	34.1	10.0
55	13	1.99	32.4	9.5
50	10	1.96	30.7	9.0
47	8	1.94	29.6	8.7
45	7	1.95	29.0	8.5
40	4	1.96	27.5	8.1
35	2	1.97	25.9	7.6
30	-1	1.91	24.1	7.1
25	-4	1.85	22.2	6.5
20	-7	1.79	20.4	6.0
17	-8	1.75	19.3	5.7
15	-9	1.73	18.6	5.5
10	-12	1.70	16.9	5.0
5	-15	1.59	15.0	4.4
0	-18	1.48	13.2	3.9
-5	-21	1.38	11.3	3.3
-10	-23	1.27	9.5	2.8
-15	-26	1.16	7.6	2.2
-20	-29	1.05	5.8	1.7

# RATINGS

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

## HPXA15-030 — C26-46 - C33-48B/C COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.5	8.6	1.81	.72	.86	.99	28.1	8.2	2.05	.74	.88	1.00	26.6	7.8	2.33	.76	.91	1.00	24.9	7.3	2.64	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.2	8.6	2.06	.80	.96	1.00	27.7	8.1	2.33	.82	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.83	.99	1.00	30.4	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.88	1.00	1.00	27.3	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.57	.71	.85	28.3	8.3	2.34	.58	.73	.87	26.5	7.8	2.65	.60	.75	.91
	1000	470	32.5	9.5	1.83	.60	.76	.90	31.0	9.1	2.07	.61	.77	.93	29.2	8.6	2.34	.63	.80	.96	27.3	8.0	2.65	.64	.82	.99
	1200	565	33.3	9.8	1.83	.63	.81	.97	31.7	9.3	2.07	.65	.83	.99	29.9	8.8	2.34	.66	.86	1.00	27.9	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.43	.55	.67	32.1	9.4	2.07	.43	.55	.69	30.3	8.9	2.35	.43	.57	.71	28.4	8.3	2.66	.43	.58	.73
	1000	470	34.8	10.2	1.84	.43	.58	.73	33.0	9.7	2.08	.44	.60	.75	31.2	9.1	2.35	.44	.61	.77	29.1	8.5	2.67	.45	.63	.80
	1200	565	35.5	10.4	1.84	.45	.62	.79	33.7	9.9	2.08	.45	.63	.81	31.7	9.3	2.36	.46	.66	.84	29.6	8.7	2.67	.47	.68	.87

## HPXA15-030 — CR26-36 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.3	8.6	1.81	.72	.87	.99	27.8	8.1	2.05	.74	.89	1.00	26.3	7.7	2.33	.76	.91	1.00	24.6	7.2	2.65	.78	.94	1.00
	1000	470	30.4	8.9	1.82	.78	.94	1.00	28.9	8.5	2.06	.80	.96	1.00	27.4	8.0	2.33	.82	.98	1.00	25.7	7.5	2.65	.86	1.00	1.00
	1200	565	31.4	9.2	1.82	.83	.99	1.00	30.0	8.8	2.06	.86	1.00	1.00	28.5	8.4	2.34	.89	1.00	1.00	26.8	7.9	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.2	9.1	1.82	.56	.70	.83	29.6	8.7	2.06	.57	.72	.85	28.0	8.2	2.34	.58	.73	.88	26.1	7.6	2.66	.60	.76	.91
	1000	470	32.2	9.4	1.83	.60	.76	.91	30.6	9.0	2.07	.61	.77	.93	28.8	8.4	2.34	.62	.80	.96	26.9	7.9	2.66	.64	.83	.99
	1200	565	32.9	9.6	1.83	.63	.81	.97	31.2	9.1	2.07	.65	.83	.99	29.4	8.6	2.35	.66	.86	1.00	27.4	8.0	2.66	.68	.90	1.00
71°F (22°C)	800	380	33.3	9.8	1.83	.42	.55	.67	31.7	9.3	2.07	.42	.56	.69	29.9	8.8	2.35	.43	.57	.71	27.9	8.2	2.67	.44	.59	.73
	1000	470	34.3	10.1	1.84	.44	.58	.73	32.6	9.6	2.08	.44	.60	.75	30.7	9.0	2.36	.45	.61	.78	28.6	8.4	2.67	.45	.63	.81
	1200	565	35.0	10.3	1.84	.45	.62	.79	33.2	9.7	2.08	.45	.63	.81	31.2	9.1	2.36	.46	.65	.84	29.1	8.5	2.67	.47	.68	.88

## HPXA15-030 - C26-46 - C33-48B/C HEATING CAPACITY

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		
800	380	35.1	10.3	2.28	28.4	8.3	2.18	21.9	6.4	2.10	14.9	4.4	1.85	7.7	2.3	1.42
1000	470	34.9	10.2	1.99	28.2	8.3	1.90	21.7	6.4	1.81	14.7	4.3	1.57	7.5	2.2	1.14
1200	565	36.0	10.6	2.06	29.3	8.6	1.96	22.8	6.7	1.88	15.8	4.6	1.63	8.6	2.5	1.20

## HPXA15-030 - CR26-36 HEATING CAPACITY

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		
800	380	37.1	10.9	2.45	30.1	8.8	2.34	23.1	6.8	2.24	15.7	4.6	1.97	8.1	2.4	1.52
1000	470	36.8	10.8	2.14	29.8	8.7	2.03	22.8	6.7	1.93	15.4	4.5	1.67	7.8	2.3	1.21
1200	565	37.8	11.1	2.20	30.8	9.0	2.09	23.8	7.0	1.99	16.4	4.8	1.73	8.8	2.6	1.27

## HPXA15-030 - C26-46 - C33-48B/C HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.99	34.9	10.2
60	16	1.96	33.2	9.7
55	13	1.93	31.5	9.2
50	10	1.91	29.9	8.8
47	8	1.89	28.9	8.5
45	7	1.90	28.2	8.3
40	4	1.91	26.7	7.8
35	2	1.93	25.2	7.4
30	-1	1.87	23.5	6.9
25	-4	1.81	21.7	6.4
20	-7	1.75	19.9	5.8
17	-8	1.72	18.8	5.5
15	-9	1.71	18.2	5.3
10	-12	1.68	16.5	4.8
5	-15	1.57	14.7	4.3
0	-18	1.46	12.9	3.8
-5	-21	1.35	11.1	3.3
-10	-23	1.25	9.3	2.7
-15	-26	1.14	7.5	2.2
-20	-29	1.03	5.7	1.7

## HPXA15-030 - CR26-36 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.14	36.8	10.8
60	16	2.11	35.0	10.3
55	13	2.08	33.3	9.8
50	10	2.05	31.5	9.2
47	8	2.03	30.4	8.9
45	7	2.03	29.8	8.7
40	4	2.05	28.2	8.3
35	2	2.06	26.6	7.8
30	-1	2.00	24.7	7.2
25	-4	1.93	22.8	6.7
20	-7	1.87	20.9	6.1
17	-8	1.83	19.8	5.8
15	-9	1.82	19.1	5.6
10	-12	1.78	17.3	5.1
5	-15	1.67	15.4	4.5
0	-18	1.56	13.5	4.0
-5	-21	1.44	11.6	3.4
-10	-23	1.33	9.7	2.8
-15	-26	1.21	7.8	2.3
-20	-29	1.10	5.9	1.7

# RATINGS

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

## HPXA15-030 — CH33-36A-2F - CH23-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	28.9	8.5	1.81	.72	.86	.99	27.5	8.1	2.05	.74	.89	1.00	26.1	7.6	2.32	.75	.91	1.00	24.4	7.2	2.64	.78	.94	1.00
	1000	470	30.1	8.8	1.81	.78	.94	1.00	28.6	8.4	2.05	.79	.96	1.00	27.1	7.9	2.33	.82	.99	1.00	25.6	7.5	2.64	.85	1.00	1.00
	1200	565	31.1	9.1	1.82	.83	.99	1.00	29.7	8.7	2.06	.86	1.00	1.00	28.3	8.3	2.33	.88	1.00	1.00	26.7	7.8	2.65	.92	1.00	1.00
67°F (19°C)	800	380	30.8	9.0	1.82	.56	.70	.83	29.3	8.6	2.06	.57	.71	.85	27.7	8.1	2.33	.58	.73	.87	25.9	7.6	2.65	.60	.75	.91
	1000	470	31.8	9.3	1.82	.59	.75	.90	30.2	8.9	2.06	.61	.77	.93	28.5	8.4	2.34	.62	.80	.96	26.7	7.8	2.65	.64	.83	.98
	1200	565	32.5	9.5	1.83	.63	.81	.97	30.9	9.1	2.07	.64	.84	.99	29.2	8.6	2.34	.66	.86	1.00	27.3	8.0	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.9	9.6	1.83	.42	.54	.67	31.3	9.2	2.07	.42	.56	.69	29.6	8.7	2.34	.43	.57	.71	27.7	8.1	2.65	.43	.58	.73
	1000	470	33.9	9.9	1.83	.43	.58	.73	32.2	9.4	2.07	.44	.59	.75	30.4	8.9	2.35	.44	.61	.77	28.4	8.3	2.66	.45	.63	.80
	1200	565	34.5	10.1	1.84	.45	.62	.79	32.8	9.6	2.08	.45	.63	.81	30.9	9.1	2.35	.46	.65	.84	28.9	8.5	2.66	.47	.67	.87

## HPXA15-030 — CH33-42B-2F - CH23-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.4	8.6	1.81	.72	.86	.99	28.0	8.2	2.05	.73	.89	1.00	26.5	7.8	2.32	.75	.91	1.00	24.8	7.3	2.64	.78	.94	1.00
	1000	470	30.6	9.0	1.82	.78	.94	1.00	29.1	8.5	2.06	.79	.96	1.00	27.6	8.1	2.33	.82	.98	1.00	26.0	7.6	2.64	.85	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.99	1.00	30.3	8.9	2.06	.86	1.00	1.00	28.8	8.4	2.33	.88	1.00	1.00	27.2	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.4	9.2	1.82	.56	.69	.83	29.9	8.8	2.06	.57	.71	.85	28.2	8.3	2.33	.58	.73	.88	26.4	7.7	2.65	.60	.75	.90
	1000	470	32.4	9.5	1.83	.60	.75	.91	30.8	9.0	2.07	.60	.77	.93	29.1	8.5	2.34	.62	.79	.96	27.2	8.0	2.65	.64	.83	.99
	1200	565	33.2	9.7	1.83	.63	.81	.97	31.5	9.2	2.07	.64	.83	.99	29.7	8.7	2.34	.66	.86	1.00	27.8	8.1	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.5	9.8	1.83	.42	.55	.67	31.9	9.3	2.07	.42	.56	.69	30.1	8.8	2.34	.43	.57	.70	28.2	8.3	2.66	.43	.58	.73
	1000	470	34.6	10.1	1.84	.43	.58	.73	32.8	9.6	2.08	.44	.59	.75	31.0	9.1	2.35	.44	.61	.77	28.9	8.5	2.66	.45	.63	.80
	1200	565	35.3	10.3	1.84	.45	.62	.79	33.5	9.8	2.08	.45	.63	.81	31.5	9.2	2.35	.46	.65	.84	29.4	8.6	2.67	.47	.67	.87

## HPXA15-030 - CH33-36A-2F - CH23-41 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	36.4	10.7	2.57	29.5	8.6	2.45	22.8	6.7	2.34	15.5	4.5	2.06	8.0	2.3	1.59
1000	470	36.1	10.6	2.24	29.2	8.6	2.12	22.5	6.6	2.01	15.2	4.5	1.73	7.7	2.3	1.26
1200	565	37.2	10.9	2.31	30.3	8.9	2.19	23.6	6.9	2.08	16.3	4.8	1.80	8.8	2.6	1.32

## HPXA15-030 - CH33-42B-2F - CH23-51 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
800	380	36.4	10.7	2.38	29.5	8.6	2.27	22.8	6.7	2.16	15.6	4.6	1.90	8.1	2.4	1.45
1000	470	36.0	10.6	2.14	29.1	8.5	2.02	22.4	6.6	1.92	15.2	4.5	1.65	7.7	2.3	1.20
1200	565	37.2	10.9	2.13	30.3	8.9	2.01	23.6	6.9	1.91	16.4	4.8	1.64	8.9	2.6	1.19

## HPXA15-030 - CH33-36A-2F - CH23-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.24	36.1	10.6
60	16	2.21	34.3	10.1
55	13	2.17	32.6	9.6
50	10	2.14	30.9	9.1
47	8	2.12	29.9	8.8
45	7	2.12	29.2	8.6
40	4	2.14	27.7	8.1
35	2	2.15	26.1	7.6
30	-1	2.08	24.3	7.1
25	-4	2.01	22.5	6.6
20	-7	1.94	20.6	6.0
17	-8	1.90	19.5	5.7
15	-9	1.89	18.8	5.5
10	-12	1.85	17.1	5.0
5	-15	1.73	15.2	4.5
0	-18	1.61	13.4	3.9
-5	-21	1.50	11.5	3.4
-10	-23	1.38	9.6	2.8
-15	-26	1.26	7.7	2.3
-20	-29	1.14	5.9	1.7

## HPXA15-030 - CH33-42B-2F - CH23-51 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.14	36.0	10.6
60	16	2.10	34.2	10.0
55	13	2.07	32.5	9.5
50	10	2.04	30.8	9.0
47	8	2.02	29.8	8.7
45	7	2.02	29.1	8.5
40	4	2.04	27.6	8.1
35	2	2.05	26.1	7.6
30	-1	1.98	24.2	7.1
25	-4	1.92	22.4	6.6
20	-7	1.85	20.5	6.0
17	-8	1.81	19.4	5.7
15	-9	1.80	18.8	5.5
10	-12	1.77	17.0	5.0
5	-15	1.65	15.2	4.5
0	-18	1.54	13.3	3.9
-5	-21	1.43	11.4	3.3
-10	-23	1.31	9.6	2.8
-15	-26	1.20	7.7	2.3
-20	-29	1.09	5.8	1.7

# RATINGS

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

## HPXA15-030 — CH23-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.9	8.8	1.82	.72	.86	.98	28.5	8.4	2.07	.73	.88	1.00	27.0	7.9	2.34	.75	.90	1.00	25.3	7.4	2.66	.77	.93	1.00
	1000	470	31.1	9.1	1.83	.77	.93	1.00	29.7	8.7	2.07	.79	.95	1.00	28.1	8.2	2.35	.82	.98	1.00	26.5	7.8	2.67	.84	1.00	1.00
	1200	565	32.2	9.4	1.84	.83	.99	1.00	30.8	9.0	2.08	.85	1.00	1.00	29.4	8.6	2.35	.88	1.00	1.00	27.7	8.1	2.67	.91	1.00	1.00
67°F (19°C)	800	380	31.9	9.3	1.83	.56	.69	.82	30.4	8.9	2.08	.57	.71	.84	28.7	8.4	2.35	.58	.72	.87	27.0	7.9	2.67	.59	.74	.90
	1000	470	33.0	9.7	1.84	.59	.75	.90	31.4	9.2	2.08	.61	.77	.92	29.7	8.7	2.36	.62	.79	.95	27.8	8.1	2.68	.64	.82	.98
	1200	565	33.8	9.9	1.84	.63	.81	.97	32.1	9.4	2.09	.64	.83	.99	30.4	8.9	2.36	.66	.86	1.00	28.4	8.3	2.68	.68	.89	1.00
71°F (22°C)	800	380	34.2	10.0	1.85	.42	.54	.67	32.6	9.6	2.09	.43	.55	.68	30.8	9.0	2.37	.43	.56	.70	28.9	8.5	2.68	.43	.58	.72
	1000	470	35.3	10.3	1.85	.43	.58	.72	33.5	9.8	2.10	.44	.59	.74	31.7	9.3	2.37	.44	.61	.77	29.7	8.7	2.69	.45	.62	.80
	1200	565	36.0	10.6	1.86	.45	.62	.78	34.2	10.0	2.10	.45	.63	.81	32.3	9.5	2.38	.46	.65	.83	30.2	8.9	2.69	.47	.67	.87

## HPXA15-036 — CB29M-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	33.4	9.8	2.19	.73	.88	.99	31.8	9.3	2.49	.75	.90	1.00	30.0	8.8	2.83	.77	.93	1.00	28.2	8.3	3.23	.79	.95	1.00
	1200	565	34.4	10.1	2.20	.78	.93	1.00	32.7	9.6	2.49	.80	.96	1.00	31.0	9.1	2.83	.82	.98	1.00	29.1	8.5	3.23	.85	1.00	1.00
	1400	660	35.3	10.3	2.20	.82	.98	1.00	33.6	9.8	2.49	.84	.99	1.00	31.9	9.3	2.84	.87	1.00	1.00	30.1	8.8	3.24	.90	1.00	1.00
67°F (19°C)	1000	470	35.4	10.4	2.20	.57	.71	.85	33.7	9.9	2.50	.58	.72	.87	31.8	9.3	2.84	.59	.74	.89	29.7	8.7	3.24	.60	.77	.93
	1200	565	36.2	10.6	2.20	.60	.75	.91	34.4	10.1	2.50	.61	.77	.93	32.5	9.5	2.84	.62	.80	.95	30.3	8.9	3.24	.64	.83	.98
	1400	660	36.8	10.8	2.21	.62	.80	.96	35.0	10.3	2.50	.64	.82	.98	33.0	9.7	2.85	.65	.85	.99	30.8	9.0	3.24	.68	.88	1.00
71°F (22°C)	1000	470	37.7	11.0	2.21	.42	.55	.68	35.9	10.5	2.51	.43	.56	.70	33.8	9.9	2.85	.43	.58	.72	31.6	9.3	3.25	.44	.59	.75
	1200	565	38.5	11.3	2.21	.43	.58	.73	36.6	10.7	2.51	.44	.59	.75	34.5	10.1	2.86	.44	.61	.78	32.2	9.4	3.25	.45	.63	.81
	1400	660	39.1	11.5	2.22	.44	.61	.78	37.1	10.9	2.52	.45	.63	.80	35.0	10.3	2.86	.46	.64	.83	32.6	9.6	3.26	.47	.67	.86

## HPXA15-030 - CH23-65 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	36.2	10.6	2.35	29.4	8.6	2.25	22.6	6.6	2.16	15.4	4.5	1.91	7.9	2.3	1.47				
1000	470	36.0	10.6	2.05	29.2	8.6	1.95	22.4	6.6	1.86	15.2	4.5	1.61	7.7	2.3	1.17				
1200	565	37.1	10.9	2.10	30.3	8.9	2.00	23.5	6.9	1.92	16.3	4.8	1.67	8.8	2.6	1.23				

## HPXA15-036 - CB29M-41 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	43.3	12.7	2.92	35.3	10.3	2.74	27.3	8.0	2.56	18.7	5.5	2.29	9.4	2.8	1.70				
1200	565	43.4	12.7	2.79	35.4	10.4	2.62	27.4	8.0	2.44	18.8	5.5	2.17	9.5	2.8	1.58				
1400	660	44.1	12.9	2.68	36.1	10.6	2.50	28.1	8.2	2.32	19.5	5.7	2.05	10.2	3.0	1.46				

## HPXA15-030 - CH23-65 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.05	36.0	10.6
60	16	2.02	34.3	10.1
55	13	1.99	32.6	9.6
50	10	1.96	30.8	9.0
47	8	1.94	29.8	8.7
45	7	1.95	29.2	8.6
40	4	1.97	27.6	8.1
35	2	1.98	26.1	7.6
30	-1	1.92	24.2	7.1
25	-4	1.86	22.4	6.6
20	-7	1.80	20.6	6.0
17	-8	1.76	19.5	5.7
15	-9	1.75	18.8	5.5
10	-12	1.72	17.1	5.0
5	-15	1.61	15.2	4.5
0	-18	1.50	13.3	3.9
-5	-21	1.39	11.4	3.3
-10	-23	1.28	9.6	2.8
-15	-26	1.17	7.7	2.3
-20	-29	1.06	5.8	1.7

## HPXA15-036 - CB29M-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.79	43.4	12.7
60	16	2.75	41.3	12.1
55	13	2.71	39.3	11.5
50	10	2.66	37.3	10.9
47	8	2.64	36.1	10.6
45	7	2.62	35.4	10.4
40	4	2.56	33.5	9.8
35	2	2.51	31.7	9.3
30	-1	2.47	29.5	8.6
25	-4	2.44	27.4	8.0
20	-7	2.40	25.2	7.4
17	-8	2.38	24.0	7.0
15	-9	2.36	23.2	6.8
10	-12	2.32	21.1	6.2
5	-15	2.17	18.8	5.5
0	-18	2.02	16.5	4.8
-5	-21	1.87	14.2	4.2
-10	-23	1.72	11.8	3.5
-15	-26	1.58	9.5	2.8
-20	-29	1.43	7.2	2.1

# RATINGS

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

## HPXA15-036 — CB29M-46 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	34.9	10.2	2.21	.73	.87	.99	33.2	9.7	2.50	.74	.89	1.00	31.4	9.2	2.84	.76	.92	1.00	29.4	8.6	3.25	.79	.95	1.00
	1200	565	36.0	10.6	2.21	.77	.93	1.00	34.2	10.0	2.51	.79	.95	1.00	32.4	9.5	2.85	.81	.98	1.00	30.4	8.9	3.25	.84	1.00	1.00
	1400	660	36.9	10.8	2.21	.82	.98	1.00	35.2	10.3	2.51	.84	.99	1.00	33.4	9.8	2.85	.86	1.00	1.00	31.5	9.2	3.26	.90	1.00	1.00
67°F (19°C)	1000	470	37.1	10.9	2.22	.57	.70	.84	35.3	10.3	2.51	.57	.72	.86	33.3	9.8	2.86	.59	.74	.89	31.1	9.1	3.26	.60	.76	.92
	1200	565	38.0	11.1	2.22	.59	.75	.90	36.1	10.6	2.52	.60	.77	.92	34.1	10.0	2.86	.62	.79	.95	31.8	9.3	3.26	.64	.82	.98
	1400	660	38.7	11.3	2.23	.62	.79	.95	36.8	10.8	2.52	.63	.82	.97	34.6	10.1	2.87	.65	.84	.99	32.4	9.5	3.27	.67	.88	1.00
71°F (22°C)	1000	470	39.6	11.6	2.23	.42	.55	.68	37.6	11.0	2.53	.42	.56	.69	35.5	10.4	2.87	.43	.57	.71	33.2	9.7	3.28	.43	.59	.74
	1200	565	40.5	11.9	2.23	.43	.58	.72	38.5	11.3	2.53	.43	.59	.74	36.2	10.6	2.88	.44	.61	.77	33.9	9.9	3.28	.45	.62	.80
	1400	660	41.2	12.1	2.24	.44	.61	.77	39.0	11.4	2.54	.45	.62	.80	36.8	10.8	2.88	.46	.64	.82	34.3	10.1	3.28	.46	.66	.86

## HPXA15-036 — CB31MV-41 - CBX32MV-036 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	34.3	10.1	2.21	.73	.87	.99	32.6	9.6	2.51	.75	.90	1.00	30.9	9.1	2.85	.77	.92	1.00	28.9	8.5	3.26	.79	.95	1.00
	1200	565	35.4	10.4	2.22	.78	.93	1.00	33.6	9.8	2.52	.80	.95	1.00	31.8	9.3	2.86	.82	.97	1.00	29.9	8.8	3.26	.85	1.00	1.00
	1400	660	36.3	10.6	2.22	.82	.98	1.00	34.6	10.1	2.52	.84	.99	1.00	32.9	9.6	2.86	.87	1.00	1.00	31.0	9.1	3.27	.90	1.00	1.00
67°F (19°C)	1000	470	36.5	10.7	2.23	.57	.71	.84	34.7	10.2	2.52	.58	.72	.86	32.8	9.6	2.87	.59	.74	.88	30.7	9.0	3.27	.61	.77	.92
	1200	565	37.5	11.0	2.23	.60	.75	.90	35.6	10.4	2.53	.61	.77	.92	33.5	9.8	2.88	.62	.80	.95	31.4	9.2	3.27	.64	.82	.97
	1400	660	38.2	11.2	2.24	.62	.80	.95	36.2	10.6	2.53	.64	.82	.97	34.2	10.0	2.88	.65	.85	.99	31.9	9.3	3.28	.67	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.24	.43	.55	.68	37.1	10.9	2.53	.43	.56	.70	35.0	10.3	2.88	.43	.58	.72	32.8	9.6	3.29	.44	.59	.74
	1200	565	39.9	11.7	2.24	.44	.58	.73	37.9	11.1	2.54	.44	.60	.75	35.7	10.5	2.89	.45	.61	.77	33.4	9.8	3.29	.46	.63	.80
	1400	660	40.6	11.9	2.25	.45	.61	.78	38.6	11.3	2.54	.45	.62	.80	36.3	10.6	2.89	.46	.64	.82	33.9	9.9	3.29	.47	.67	.85

## HPXA15-036 - CB29M-46 HEATING CAPACITY

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						
1000	470	42.2	12.4	2.57	34.4	10.1	2.43	26.6	7.8	2.28	18.2	5.3	2.05	9.1	2.7	1.52					
1200	565	42.3	12.4	2.46	34.5	10.1	2.32	26.7	7.8	2.17	18.3	5.4	1.94	9.2	2.7	1.41					
1400	660	43.1	12.6	2.35	35.3	10.3	2.21	27.5	8.1	2.06	19.1	5.6	1.83	10.0	2.9	1.30					

## HPXA15-036 - CB31MV-41 - CBX32MV-036 HEATING CAPACITY

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						
1000	470	41.4	12.1	2.54	33.4	9.8	2.38	25.5	7.5	2.23	17.3	5.1	1.99	8.5	2.5	1.49					
1200	565	41.9	12.3	2.41	33.9	9.9	2.25	26.0	7.6	2.10	17.8	5.2	1.86	9.0	2.6	1.36					
1400	660	42.2	12.4	2.32	34.2	10.0	2.16	26.3	7.7	2.01	18.1	5.3	1.77	9.3	2.7	1.27					

## HPXA15-036 - CB29M-46 HEATING PERFORMANCE

at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.46	42.3	12.4
60	16	2.42	40.3	11.8
55	13	2.39	38.4	11.3
50	10	2.35	36.4	10.7
47	8	2.33	35.2	10.3
45	7	2.32	34.5	10.1
40	4	2.27	32.7	9.6
35	2	2.23	30.9	9.1
30	-1	2.20	28.8	8.4
25	-4	2.17	26.7	7.8
20	-7	2.14	24.6	7.2
17	-8	2.12	23.3	6.8
15	-9	2.11	22.5	6.6
10	-12	2.07	20.5	6.0
5	-15	1.94	18.3	5.4
0	-18	1.81	16.0	4.7
-5	-21	1.67	13.7	4.0
-10	-23	1.54	11.5	3.4
-15	-26	1.41	9.2	2.7
-20	-29	1.27	7.0	2.1

## HPXA15-036 - CB31MV-41 - CBX32MV-036 HEATING PERFORMANCE

at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.41	41.9	12.3
60	16	2.37	39.9	11.7
55	13	2.33	37.9	11.1
50	10	2.30	35.9	10.5
47	8	2.27	34.7	10.2
45	7	2.25	33.9	9.9
40	4	2.21	32.0	9.4
35	2	2.16	30.1	8.8
30	-1	2.13	28.0	8.2
25	-4	2.10	26.0	7.6
20	-7	2.06	24.0	7.0
17	-8	2.05	22.8	6.7
15	-9	2.03	22.0	6.4
10	-12	1.99	20.0	5.9
5	-15	1.86	17.8	5.2
0	-18	1.74	15.6	4.6
-5	-21	1.61	13.4	3.9
-10	-23	1.48	11.2	3.3
-15	-26	1.36	9.0	2.6
-20	-29	1.23	6.8	2.0



# RATINGS

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

## HPXA15-036 — CB30M-31 — CB30U-31 - CBX32M-030 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.0	10.3	2.21	.73	.87	.99	33.3	9.8	2.50	.74	.89	1.00	31.5	9.2	2.84	.76	.92	1.00	29.5	8.6	3.25	.79	.95	1.00
	1200	565	36.1	10.6	2.21	.77	.93	1.00	34.3	10.1	2.51	.79	.95	1.00	32.5	9.5	2.85	.82	.98	1.00	30.5	8.9	3.25	.84	1.00	1.00
	1400	660	37.0	10.8	2.21	.81	.98	1.00	35.3	10.3	2.51	.84	.99	1.00	33.5	9.8	2.85	.86	1.00	1.00	31.6	9.3	3.26	.90	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.22	.57	.70	.84	35.4	10.4	2.51	.58	.72	.86	33.4	9.8	2.86	.59	.74	.89	31.2	9.1	3.26	.60	.76	.92
	1200	565	38.1	11.2	2.22	.59	.75	.90	36.2	10.6	2.52	.60	.77	.92	34.2	10.0	2.86	.62	.79	.95	31.9	9.3	3.26	.63	.82	.98
	1400	660	38.8	11.4	2.23	.62	.79	.95	36.9	10.8	2.52	.63	.81	.97	34.7	10.2	2.87	.65	.84	.99	32.5	9.5	3.27	.67	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.23	.42	.55	.68	37.7	11.0	2.53	.43	.56	.69	35.6	10.4	2.87	.43	.57	.71	33.3	9.8	3.28	.43	.59	.74
	1200	565	40.6	11.9	2.23	.43	.58	.73	38.6	11.3	2.53	.44	.59	.74	36.3	10.6	2.88	.44	.61	.77	34.0	10.0	3.28	.45	.62	.80
	1400	660	41.3	12.1	2.24	.44	.61	.77	39.2	11.5	2.54	.45	.62	.79	36.9	10.8	2.88	.45	.64	.82	34.4	10.1	3.28	.46	.66	.86

## HPXA15-036 — CB29M-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.5	10.4	2.22	.73	.87	.99	33.8	9.9	2.52	.75	.89	1.00	32.0	9.4	2.87	.77	.92	1.00	30.0	8.8	3.28	.79	.95	1.00
	1200	565	36.6	10.7	2.23	.78	.93	1.00	34.8	10.2	2.53	.79	.95	1.00	33.0	9.7	2.88	.82	.97	1.00	31.1	9.1	3.28	.84	.99	1.00
	1400	660	37.5	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	.99	1.00	34.1	10.0	2.88	.87	1.00	1.00	32.2	9.4	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.8	11.1	2.23	.57	.71	.84	35.9	10.5	2.53	.58	.72	.86	33.9	9.9	2.88	.59	.74	.89	31.8	9.3	3.29	.60	.77	.91
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.8	10.8	2.54	.61	.77	.92	34.7	10.2	2.89	.62	.80	.95	32.6	9.6	3.29	.64	.82	.98
	1400	660	39.5	11.6	2.25	.62	.80	.95	37.5	11.0	2.54	.64	.82	.97	35.4	10.4	2.89	.65	.84	.99	33.1	9.7	3.30	.67	.88	1.00
71°F (22°C)	1000	470	40.3	11.8	2.25	.43	.56	.68	38.4	11.3	2.55	.43	.57	.70	36.3	10.6	2.90	.44	.58	.72	34.0	10.0	3.31	.44	.59	.74
	1200	565	41.3	12.1	2.25	.44	.58	.73	39.2	11.5	2.56	.44	.59	.75	37.0	10.8	2.90	.45	.61	.77	34.7	10.2	3.31	.45	.63	.80
	1400	660	41.9	12.3	2.26	.45	.61	.78	39.9	11.7	2.56	.45	.63	.80	37.6	11.0	2.91	.46	.64	.82	35.2	10.3	3.32	.47	.66	.86

## HPXA15-036 - CB30M-31 — CB30U-31 - CBX32M-030 HEATING CAPACITY

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		
1000	470	41.9	12.3	2.57	34.1	10.0	2.43	26.2	7.7	2.28	17.9	5.2	2.05	9.0	2.6	1.52
1200	565	42.0	12.3	2.46	34.2	10.0	2.32	26.3	7.7	2.17	18.0	5.3	1.94	9.1	2.7	1.41
1400	660	42.8	12.5	2.35	35.0	10.3	2.21	27.1	7.9	2.06	18.8	5.5	1.83	9.9	2.9	1.30

## HPXA15-036 - CB29M-51 HEATING CAPACITY

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		
1000	470	42.4	12.4	2.63	34.6	10.1	2.48	26.8	7.9	2.33	18.4	5.4	2.10	9.2	2.7	1.55
1200	565	42.5	12.5	2.51	34.7	10.2	2.36	26.9	7.9	2.21	18.5	5.4	1.98	9.3	2.7	1.43
1400	660	43.2	12.7	2.40	35.4	10.4	2.25	27.6	8.1	2.10	19.2	5.6	1.87	10.0	2.9	1.32

## HPXA15-036 - CB30M-31/CB30U-31 - CBX32M-030 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.46	42.0	12.3
60	16	2.42	40.0	11.7
55	13	2.39	38.1	11.2
50	10	2.35	36.1	10.6
47	8	2.33	34.9	10.2
45	7	2.32	34.2	10.0
40	4	2.27	32.4	9.5
35	2	2.23	30.6	9.0
30	-1	2.20	28.5	8.4
25	-4	2.17	26.3	7.7
20	-7	2.14	24.2	7.1
17	-8	2.12	23.0	6.7
15	-9	2.11	22.2	6.5
10	-12	2.07	20.2	5.9
5	-15	1.94	18.0	5.3
0	-18	1.81	15.8	4.6
-5	-21	1.67	13.5	4.0
-10	-23	1.54	11.3	3.3
-15	-26	1.41	9.1	2.7
-20	-29	1.27	6.9	2.0

## HPXA15-036 - CB29M-51 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	42.5	12.5
60	16	2.48	40.5	11.9
55	13	2.44	38.5	11.3
50	10	2.40	36.5	10.7
47	8	2.38	35.4	10.4
45	7	2.36	34.7	10.2
40	4	2.32	32.9	9.6
35	2	2.27	31.1	9.1
30	-1	2.24	29.0	8.5
25	-4	2.21	26.9	7.9
20	-7	2.18	24.8	7.3
17	-8	2.16	23.5	6.9
15	-9	2.15	22.8	6.7
10	-12	2.11	20.8	6.1
5	-15	1.98	18.5	5.4
0	-18	1.84	16.2	4.7
-5	-21	1.70	13.9	4.1
-10	-23	1.57	11.6	3.4
-15	-26	1.43	9.3	2.7
-20	-29	1.30	7.1	2.1

# RATINGS

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

## HPXA15-036 — CB30M-46 - CBX32M-042 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	35.1	10.3	2.21	.74	.88	1.00	33.3	9.8	2.50	.75	.90	1.00	31.3	9.2	2.85	.78	.93	1.00	29.3	8.6	3.25	.80	.97	1.00
	1200	565	36.2	10.6	2.22	.79	.95	1.00	34.4	10.1	2.51	.81	.97	1.00	32.4	9.5	2.85	.83	1.00	1.00	30.5	8.9	3.26	.86	1.00	1.00
	1400	660	37.3	10.9	2.22	.83	1.00	1.00	35.5	10.4	2.52	.86	1.00	1.00	33.7	9.9	2.86	.88	1.00	1.00	31.7	9.3	3.26	.92	1.00	1.00
67°F (19°C)	1000	470	37.5	11.0	2.22	.58	.71	.85	35.5	10.4	2.52	.59	.73	.87	33.5	9.8	2.86	.60	.75	.90	31.2	9.1	3.26	.61	.78	.93
	1200	565	38.6	11.3	2.23	.60	.76	.91	36.5	10.7	2.53	.61	.78	.94	34.3	10.1	2.87	.63	.81	.97	32.0	9.4	3.27	.65	.84	1.00
	1400	660	39.3	11.5	2.24	.63	.81	.97	37.2	10.9	2.53	.65	.83	1.00	35.0	10.3	2.87	.67	.86	1.00	32.6	9.6	3.28	.69	.90	1.00
71°F (22°C)	1000	470	40.1	11.8	2.24	.43	.56	.69	38.0	11.1	2.54	.44	.57	.70	35.8	10.5	2.88	.44	.58	.73	33.4	9.8	3.28	.44	.60	.75
	1200	565	41.2	12.1	2.25	.44	.59	.74	39.0	11.4	2.54	.45	.60	.76	36.7	10.8	2.89	.45	.62	.78	34.2	10.0	3.29	.46	.63	.81
	1400	660	42.0	12.3	2.25	.45	.62	.79	39.7	11.6	2.55	.46	.64	.81	37.3	10.9	2.89	.47	.65	.84	34.7	10.2	3.29	.47	.68	.88

## HPXA15-036 — CB30M-41 — CB30U-41/46 - CBX32M-036 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	35.5	10.4	2.22	.73	.87	.99	33.8	9.9	2.52	.75	.89	1.00	32.0	9.4	2.87	.77	.92	1.00	30.0	8.8	3.28	.79	.95	1.00
	1200	565	36.6	10.7	2.23	.78	.93	1.00	34.8	10.2	2.53	.79	.95	1.00	33.0	9.7	2.88	.82	.97	1.00	31.1	9.1	3.28	.84	.99	1.00
	1400	660	37.5	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	.99	1.00	34.1	10.0	2.88	.87	1.00	1.00	32.2	9.4	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.8	11.1	2.23	.57	.71	.84	35.9	10.5	2.53	.58	.72	.86	33.9	9.9	2.88	.59	.74	.89	31.8	9.3	3.29	.60	.77	.91
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.8	10.8	2.54	.61	.77	.92	34.7	10.2	2.89	.62	.80	.95	32.6	9.6	3.29	.64	.82	.98
	1400	660	39.5	11.6	2.25	.62	.80	.95	37.5	11.0	2.54	.64	.82	.97	35.4	10.4	2.89	.65	.84	.99	33.1	9.7	3.30	.67	.88	1.00
71°F (22°C)	1000	470	40.3	11.8	2.25	.43	.56	.68	38.4	11.3	2.55	.43	.57	.70	36.3	10.6	2.90	.44	.58	.72	34.0	10.0	3.31	.44	.59	.74
	1200	565	41.3	12.1	2.25	.44	.58	.73	39.2	11.5	2.56	.44	.59	.75	37.0	10.8	2.91	.45	.61	.77	34.7	10.2	3.31	.45	.63	.80
	1400	660	41.9	12.3	2.26	.45	.61	.78	39.9	11.7	2.56	.45	.63	.80	37.6	11.0	2.91	.46	.64	.82	35.2	10.3	3.32	.47	.66	.86

## HPXA15-036 - CB30M-46 - CBX32M-042 HEATING CAPACITY

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	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1000	470	42.1	12.3	2.54	34.1	10.0	2.39	26.2	7.7	2.25	17.8	5.2	2.02	9.0	2.6	1.50					
1200	565	42.2	12.4	2.42	34.2	10.0	2.28	26.3	7.7	2.13	17.9	5.2	1.90	9.1	2.7	1.38					
1400	660	42.9	12.6	2.32	34.9	10.2	2.18	27.0	7.9	2.03	18.6	5.5	1.80	9.8	2.9	1.28					

## HPXA15-036 - CB30M-41 — CB30U-41/46 - CBX32M-036 HEATING CAPACITY

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						
1000	470	42.2	12.4	2.55	34.3	10.1	2.41	26.4	7.7	2.26	17.9	5.2	2.03	9.0	2.6	1.50					
1200	565	42.3	12.4	2.44	34.4	10.1	2.30	26.5	7.8	2.15	18.0	5.3	1.92	9.1	2.7	1.39					
1400	660	43.0	12.6	2.33	35.1	10.3	2.18	27.2	8.0	2.03	18.7	5.5	1.80	9.8	2.9	1.28					

## HPXA15-036 - CB30M-46 - CBX32M-042 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.42	42.2	12.4
60	16	2.39	40.2	11.8
55	13	2.35	38.2	11.2
50	10	2.32	36.1	10.6
47	8	2.30	34.9	10.2
45	7	2.28	34.2	10.0
40	4	2.23	32.4	9.5
35	2	2.19	30.6	9.0
30	-1	2.16	28.4	8.3
25	-4	2.13	26.3	7.7
20	-7	2.10	24.2	7.1
17	-8	2.08	22.9	6.7
15	-9	2.07	22.1	6.5
10	-12	2.03	20.1	5.9
5	-15	1.90	17.9	5.2
0	-18	1.77	15.7	4.6
-5	-21	1.64	13.5	4.0
-10	-23	1.51	11.3	3.3
-15	-26	1.38	9.1	2.7
-20	-29	1.25	6.9	2.0

## HPXA15-036 - CB30M-41-CB30U-41/46-CBX32M-036 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.44	42.3	12.4
60	16	2.41	40.3	11.8
55	13	2.37	38.3	11.2
50	10	2.34	36.3	10.6
47	8	2.31	35.1	10.3
45	7	2.30	34.4	10.1
40	4	2.25	32.6	9.6
35	2	2.21	30.7	9.0
30	-1	2.18	28.6	8.4
25	-4	2.15	26.5	7.8
20	-7	2.12	24.3	7.1
17	-8	2.10	23.1	6.8
15	-9	2.09	22.3	6.5
10	-12	2.05	20.3	5.9
5	-15	1.92	18.0	5.3
0	-18	1.79	15.8	4.6
-5	-21	1.66	13.6	4.0
-10	-23	1.52	11.4	3.3
-15	-26	1.39	9.1	2.7
-20	-29	1.26	6.9	2.0

# RATINGS

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

## HPXA15-036 — CVP10-31/EC10Q3 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.3	10.1	2.24	.73	.87	.98	32.7	9.6	2.54	.75	.89	.99	31.0	9.1	2.89	.76	.91	1.00	29.2	8.6	3.30	.78	.94	1.00
	1200	565	35.4	10.4	2.24	.78	.92	1.00	33.8	9.9	2.54	.79	.94	1.00	32.0	9.4	2.89	.81	.97	1.00	30.2	8.9	3.30	.84	.99	1.00
	1400	660	36.3	10.6	2.24	.82	.97	1.00	34.7	10.2	2.54	.84	.99	1.00	33.0	9.7	2.90	.86	1.00	1.00	31.3	9.2	3.30	.89	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.24	.57	.71	.84	34.7	10.2	2.55	.58	.72	.86	32.9	9.6	2.90	.59	.74	.88	31.0	9.1	3.30	.60	.76	.91
	1200	565	37.4	11.0	2.25	.60	.75	.90	35.6	10.4	2.55	.61	.77	.92	33.7	9.9	2.90	.62	.79	.94	31.7	9.3	3.31	.64	.82	.97
	1400	660	38.1	11.2	2.25	.62	.80	.95	36.3	10.6	2.56	.64	.82	.96	34.4	10.1	2.91	.65	.84	.99	32.3	9.5	3.32	.67	.87	1.00
71°F (22°C)	1000	470	38.9	11.4	2.26	.43	.55	.68	37.1	10.9	2.56	.43	.56	.70	35.1	10.3	2.91	.43	.58	.72	33.1	9.7	3.32	.44	.59	.74
	1200	565	39.8	11.7	2.26	.44	.58	.73	37.9	11.1	2.56	.44	.59	.75	35.9	10.5	2.92	.45	.61	.77	33.8	9.9	3.33	.45	.62	.79
	1400	660	40.5	11.9	2.27	.45	.61	.77	38.6	11.3	2.57	.45	.62	.80	36.5	10.7	2.92	.46	.64	.82	34.2	10.0	3.33	.46	.66	.85

## HPXA15-036 — CVP10-41/EC10Q3 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.3	10.1	2.22	.73	.87	.99	32.6	9.6	2.51	.75	.90	1.00	30.9	9.1	2.86	.77	.92	1.00	28.9	8.5	3.26	.79	.95	1.00
	1200	565	35.4	10.4	2.22	.78	.93	1.00	33.7	9.9	2.52	.80	.95	1.00	31.9	9.3	2.87	.82	.97	1.00	29.9	8.8	3.27	.85	1.00	1.00
	1400	660	36.4	10.7	2.23	.82	.98	1.00	34.7	10.2	2.52	.84	.99	1.00	32.9	9.6	2.87	.87	1.00	1.00	31.0	9.1	3.27	.90	1.00	1.00
67°F (19°C)	1000	470	36.5	10.7	2.23	.57	.71	.84	34.7	10.2	2.52	.58	.72	.86	32.8	9.6	2.87	.59	.74	.88	30.7	9.0	3.27	.61	.77	.92
	1200	565	37.5	11.0	2.23	.60	.75	.90	35.6	10.4	2.53	.61	.77	.92	33.6	9.8	2.88	.62	.79	.95	31.4	9.2	3.28	.64	.82	.97
	1400	660	38.2	11.2	2.23	.63	.80	.95	36.3	10.6	2.54	.64	.82	.97	34.2	10.0	2.88	.65	.85	.99	32.0	9.4	3.28	.68	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.24	.43	.55	.68	37.1	10.9	2.54	.43	.56	.70	35.0	10.3	2.88	.43	.58	.72	32.8	9.6	3.29	.44	.59	.74
	1200	565	39.9	11.7	2.24	.44	.58	.73	38.0	11.1	2.54	.44	.59	.75	35.8	10.5	2.89	.45	.61	.77	33.4	9.8	3.29	.46	.63	.80
	1400	660	40.6	11.9	2.25	.45	.61	.78	38.6	11.3	2.55	.45	.63	.80	36.3	10.6	2.89	.46	.64	.83	33.9	9.9	3.30	.47	.67	.86

## HPXA15-036 - CVP10-31/EC10Q3 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	43.1	12.6	2.75	35.0	10.3	2.57	26.9	7.9	2.41	18.5	5.4	2.13	9.1	2.7	1.59				
1200	565	43.6	12.8	2.61	35.5	10.4	2.43	27.4	8.0	2.27	19.0	5.6	1.99	9.6	2.8	1.45				
1400	660	43.9	12.9	2.51	35.8	10.5	2.34	27.7	8.1	2.17	19.3	5.7	1.90	9.9	2.9	1.36				

## HPXA15-036 - CVP10-41/EC10Q3 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	41.9	12.3	2.55	34.1	10.0	2.40	26.2	7.7	2.26	18.1	5.3	2.01	8.9	2.6	1.49				
1200	565	42.4	12.4	2.43	34.6	10.1	2.28	26.7	7.8	2.13	18.6	5.5	1.88	9.4	2.8	1.37				
1400	660	42.7	12.5	2.34	34.9	10.2	2.19	27.0	7.9	2.04	18.9	5.5	1.79	9.7	2.8	1.28				

## HPXA15-036 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.61	43.6	12.8
60	16	2.56	41.6	12.2
55	13	2.52	39.6	11.6
50	10	2.48	37.5	11.0
47	8	2.45	36.3	10.6
45	7	2.43	35.5	10.4
40	4	2.40	33.5	9.8
35	2	2.36	31.5	9.2
30	-1	2.31	29.5	8.6
25	-4	2.27	27.4	8.0
20	-7	2.22	25.4	7.4
17	-8	2.19	24.2	7.1
15	-9	2.17	23.4	6.9
10	-12	2.13	21.4	6.3
5	-15	1.99	19.0	5.6
0	-18	1.86	16.7	4.9
-5	-21	1.72	14.3	4.2
-10	-23	1.59	12.0	3.5
-15	-26	1.45	9.6	2.8
-20	-29	1.31	7.3	2.1

## HPXA15-036 - CVP10-41/EC10Q3 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	42.4	12.4
60	16	2.39	40.5	11.9
55	13	2.35	38.5	11.3
50	10	2.32	36.6	10.7
47	8	2.29	35.4	10.4
45	7	2.28	34.6	10.1
40	4	2.25	32.6	9.6
35	2	2.21	30.6	9.0
30	-1	2.17	28.7	8.4
25	-4	2.13	26.7	7.8
20	-7	2.09	24.8	7.3
17	-8	2.06	23.6	6.9
15	-9	2.05	22.8	6.7
10	-12	2.01	20.9	6.1
5	-15	1.88	18.6	5.5
0	-18	1.75	16.3	4.8
-5	-21	1.63	14.0	4.1
-10	-23	1.50	11.7	3.4
-15	-26	1.37	9.4	2.8
-20	-29	1.24	7.1	2.1

# RATINGS

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

## HPXA15-036 — C26-31 - C33-38A/B COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	34.1	10.0	2.22	.72	.86	.99	32.5	9.5	2.52	.73	.88	1.00	30.8	9.0	2.87	.74	.91	1.00	29.0	8.5	3.27	.77	.94	1.00
	1200	565	35.1	10.3	2.23	.76	.92	1.00	33.5	9.8	2.53	.78	.95	1.00	31.8	9.3	2.88	.80	.97	1.00	29.9	8.8	3.28	.83	.99	1.00
	1400	660	36.0	10.6	2.23	.80	.97	1.00	34.4	10.1	2.53	.82	.99	1.00	32.7	9.6	2.88	.85	1.00	1.00	30.9	9.1	3.29	.88	1.00	1.00
67°F (19°C)	1000	470	36.2	10.6	2.23	.56	.69	.83	34.5	10.1	2.53	.57	.71	.85	32.7	9.6	2.88	.58	.72	.87	30.7	9.0	3.29	.59	.74	.91
	1200	565	37.1	10.9	2.24	.58	.73	.89	35.3	10.3	2.54	.59	.75	.91	33.4	9.8	2.89	.60	.77	.94	31.3	9.2	3.30	.62	.80	.97
	1400	660	37.8	11.1	2.24	.61	.78	.94	36.0	10.6	2.54	.62	.80	.97	34.0	10.0	2.89	.64	.83	.99	31.9	9.3	3.30	.65	.86	1.00
71°F (22°C)	1000	470	38.6	11.3	2.25	.41	.54	.67	36.8	10.8	2.55	.42	.55	.68	34.8	10.2	2.89	.42	.56	.70	32.7	9.6	3.30	.43	.58	.72
	1200	565	39.5	11.6	2.25	.42	.57	.71	37.6	11.0	2.55	.43	.58	.73	35.6	10.4	2.90	.43	.59	.75	33.3	9.8	3.31	.44	.61	.78
	1400	660	40.2	11.8	2.25	.43	.60	.76	38.2	11.2	2.55	.44	.61	.78	36.1	10.6	2.91	.45	.62	.80	33.8	9.9	3.31	.45	.65	.84

## HPXA15-036 — C26-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	35.1	10.3	2.23	.74	.88	.99	33.4	9.8	2.53	.75	.90	1.00	31.6	9.3	2.87	.77	.92	1.00	29.6	8.7	3.28	.80	.95	1.00
	1200	565	36.2	10.6	2.23	.78	.94	1.00	34.5	10.1	2.53	.80	.96	1.00	32.6	9.6	2.88	.83	.98	1.00	30.7	9.0	3.28	.85	1.00	1.00
	1400	660	37.2	10.9	2.24	.83	.98	1.00	35.5	10.4	2.53	.85	.99	1.00	33.7	9.9	2.88	.87	1.00	1.00	31.8	9.3	3.29	.91	1.00	1.00
67°F (19°C)	1000	470	37.3	10.9	2.24	.57	.71	.85	35.5	10.4	2.54	.58	.73	.87	33.5	9.8	2.88	.59	.75	.89	31.3	9.2	3.29	.61	.77	.92
	1200	565	38.2	11.2	2.24	.60	.76	.91	36.3	10.6	2.54	.61	.78	.93	34.3	10.1	2.89	.63	.80	.96	32.1	9.4	3.29	.64	.83	.98
	1400	660	38.9	11.4	2.25	.63	.81	.96	37.0	10.8	2.55	.64	.83	.98	34.9	10.2	2.90	.66	.85	1.00	32.7	9.6	3.30	.68	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.43	.56	.69	37.8	11.1	2.55	.43	.57	.70	35.7	10.5	2.90	.44	.58	.72	33.5	9.8	3.30	.44	.59	.75
	1200	565	40.7	11.9	2.25	.44	.59	.74	38.7	11.3	2.55	.44	.60	.76	36.5	10.7	2.90	.45	.61	.78	34.1	10.0	3.31	.45	.63	.81
	1400	660	41.4	12.1	2.26	.45	.62	.79	39.3	11.5	2.56	.46	.63	.81	37.0	10.8	2.91	.46	.65	.83	34.6	10.1	3.31	.47	.67	.86

## HPXA15-036 - C26-31 - C33-38A/B HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	41.7	12.2	2.69	34.0	10.0	2.56	26.3	7.7	2.45	18.1	5.3	2.13	9.1	2.7	1.61
1200	565	41.8	12.3	2.48	34.1	10.0	2.36	26.4	7.7	2.25	18.2	5.3	1.93	9.2	2.7	1.40
1400	660	42.2	12.4	2.40	34.5	10.1	2.27	26.8	7.9	2.16	18.6	5.5	1.84	9.6	2.8	1.32

## HPXA15-036 - C26-41 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.2	12.4	2.58	34.3	10.1	2.43	26.4	7.7	2.27	18.0	5.3	2.04	9.1	2.7	1.51
1200	565	42.2	12.4	2.47	34.3	10.1	2.31	26.4	7.7	2.16	18.0	5.3	1.92	9.1	2.7	1.40
1400	660	42.9	12.6	2.36	35.0	10.3	2.21	27.1	7.9	2.05	18.7	5.5	1.82	9.8	2.9	1.29

## HPXA15-036 - C26-31 - C33-38A/B HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.48	41.8	12.3
60	16	2.44	39.8	11.7
55	13	2.41	37.9	11.1
50	10	2.37	36.0	10.6
47	8	2.34	34.8	10.2
45	7	2.36	34.1	10.0
40	4	2.39	32.3	9.5
35	2	2.42	30.4	8.9
30	-1	2.33	28.4	8.3
25	-4	2.25	26.4	7.7
20	-7	2.16	24.4	7.2
17	-8	2.11	23.2	6.8
15	-9	2.10	22.4	6.6
10	-12	2.06	20.5	6.0
5	-15	1.93	18.2	5.3
0	-18	1.80	16.0	4.7
-5	-21	1.67	13.7	4.0
-10	-23	1.53	11.5	3.4
-15	-26	1.40	9.2	2.7
-20	-29	1.27	7.0	2.1

## HPXA15-036 - C26-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.47	42.2	12.4
60	16	2.43	40.2	11.8
55	13	2.39	38.2	11.2
50	10	2.35	36.2	10.6
47	8	2.33	35.0	10.3
45	7	2.31	34.3	10.1
40	4	2.27	32.5	9.5
35	2	2.22	30.7	9.0
30	-1	2.19	28.6	8.4
25	-4	2.16	26.4	7.7
20	-7	2.13	24.3	7.1
17	-8	2.11	23.0	6.7
15	-9	2.09	22.2	6.5
10	-12	2.06	20.3	5.9
5	-15	1.92	18.0	5.3
0	-18	1.79	15.8	4.6
-5	-21	1.66	13.6	4.0
-10	-23	1.53	11.4	3.3
-15	-26	1.40	9.1	2.7
-20	-29	1.27	6.9	2.0

# RATINGS

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

## HPXA15-036 — C26-46 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.4	10.4	2.22	.73	.87	.99	33.7	9.9	2.51	.74	.89	1.00	31.8	9.3	2.86	.76	.92	1.00	29.8	8.7	3.27	.79	.95	1.00
	1200	565	36.5	10.7	2.22	.77	.93	1.00	34.8	10.2	2.52	.79	.96	1.00	32.9	9.6	2.87	.82	.98	1.00	30.9	9.1	3.27	.85	1.00	1.00
	1400	660	37.6	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	1.00	1.00	34.0	10.0	2.87	.87	1.00	1.00	32.1	9.4	3.28	.90	1.00	1.00
67°F (19°C)	1000	470	37.7	11.0	2.23	.57	.70	.84	35.8	10.5	2.53	.58	.72	.86	33.8	9.9	2.88	.59	.74	.89	31.6	9.3	3.28	.60	.76	.92
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.7	10.8	2.53	.61	.77	.92	34.6	10.1	2.88	.62	.79	.96	32.4	9.5	3.28	.64	.82	.98
	1400	660	39.4	11.5	2.24	.62	.80	.96	37.4	11.0	2.54	.64	.82	.98	35.2	10.3	2.88	.65	.85	1.00	33.0	9.7	3.29	.67	.88	1.00
71°F (22°C)	1000	470	40.2	11.8	2.24	.42	.55	.68	38.2	11.2	2.54	.43	.56	.69	36.1	10.6	2.89	.43	.57	.71	33.8	9.9	3.29	.44	.59	.74
	1200	565	41.2	12.1	2.25	.43	.58	.73	39.1	11.5	2.55	.44	.59	.75	36.9	10.8	2.89	.44	.61	.77	34.4	10.1	3.30	.45	.63	.80
	1400	660	41.9	12.3	2.25	.44	.61	.78	39.7	11.6	2.55	.45	.63	.80	37.5	11.0	2.90	.46	.64	.83	35.0	10.3	3.30	.46	.66	.86

## HPXA15-036 — CR26-36 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.9	10.2	2.20	.73	.87	.99	33.2	9.7	2.49	.75	.90	1.00	31.3	9.2	2.84	.77	.93	1.00	29.4	8.6	3.24	.79	.95	1.00
	1200	565	35.9	10.5	2.20	.78	.93	1.00	34.2	10.0	2.50	.79	.96	1.00	32.3	9.5	2.84	.82	.98	1.00	30.4	8.9	3.24	.85	1.00	1.00
	1400	660	36.9	10.8	2.21	.82	.98	1.00	35.2	10.3	2.50	.84	.99	1.00	33.4	9.8	2.84	.87	1.00	1.00	31.5	9.2	3.25	.90	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.21	.57	.71	.84	35.2	10.3	2.51	.58	.72	.86	33.2	9.7	2.85	.59	.75	.89	31.1	9.1	3.25	.61	.77	.92
	1200	565	38.0	11.1	2.21	.60	.75	.90	36.1	10.6	2.51	.61	.77	.93	34.0	10.0	2.85	.62	.80	.95	31.7	9.3	3.26	.64	.83	.98
	1400	660	38.7	11.3	2.22	.62	.80	.95	36.7	10.8	2.51	.64	.82	.97	34.6	10.1	2.86	.65	.85	.99	32.3	9.5	3.26	.68	.88	1.00
71°F (22°C)	1000	470	39.5	11.6	2.22	.42	.55	.68	37.6	11.0	2.52	.43	.56	.70	35.5	10.4	2.86	.43	.57	.72	33.2	9.7	3.27	.44	.59	.75
	1200	565	40.4	11.8	2.22	.43	.58	.73	38.4	11.3	2.52	.44	.60	.75	36.2	10.6	2.86	.44	.61	.77	33.8	9.9	3.27	.45	.63	.80
	1400	660	41.1	12.0	2.23	.44	.61	.78	39.0	11.4	2.52	.45	.62	.80	36.7	10.8	2.87	.46	.64	.83	34.2	10.0	3.27	.46	.67	.86

## HPXA15-036 - C26-46 HEATING CAPACITY

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						
1000	470	40.6	11.9	2.49	32.9	9.6	2.36	25.3	7.4	2.23	17.2	5.0	2.01	8.4	2.5	1.49				
1200	565	41.1	12.0	2.38	33.4	9.8	2.25	25.8	7.6	2.12	17.7	5.2	1.90	8.9	2.6	1.38				
1400	660	41.8	12.3	2.28	34.1	10.0	2.15	26.5	7.8	2.02	18.4	5.4	1.80	9.6	2.8	1.28				

## HPXA15-036 - CR26-36 HEATING CAPACITY

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						
1000	470	43.2	12.7	2.67	35.1	10.3	2.52	27.0	7.9	2.36	18.3	5.4	2.12	8.9	2.6	1.56				
1200	565	43.9	12.9	2.58	35.8	10.5	2.42	27.7	8.1	2.27	19.0	5.6	2.02	9.6	2.8	1.47				
1400	660	43.9	12.9	2.45	35.8	10.5	2.30	27.7	8.1	2.14	19.0	5.6	1.90	9.6	2.8	1.34				

## HPXA15-036 - C26-46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.38	41.1	12.0
60	16	2.35	39.1	11.5
55	13	2.32	37.2	10.9
50	10	2.29	35.3	10.3
47	8	2.27	34.1	10.0
45	7	2.25	33.4	9.8
40	4	2.21	31.7	9.3
35	2	2.17	29.9	8.8
30	-1	2.15	27.9	8.2
25	-4	2.12	25.8	7.6
20	-7	2.09	23.8	7.0
17	-8	2.08	22.5	6.6
15	-9	2.06	21.8	6.4
10	-12	2.03	19.8	5.8
5	-15	1.90	17.7	5.2
0	-18	1.77	15.5	4.5
-5	-21	1.64	13.3	3.9
-10	-23	1.51	11.1	3.3
-15	-26	1.38	8.9	2.6
-20	-29	1.25	6.8	2.0

## HPXA15-036 - CR26-36 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.58	43.9	12.9
60	16	2.54	41.9	12.3
55	13	2.50	39.8	11.7
50	10	2.47	37.8	11.1
47	8	2.44	36.5	10.7
45	7	2.42	35.8	10.5
40	4	2.38	33.9	9.9
35	2	2.33	32.1	9.4
30	-1	2.30	29.9	8.8
25	-4	2.27	27.7	8.1
20	-7	2.24	25.5	7.5
17	-8	2.22	24.2	7.1
15	-9	2.20	23.4	6.9
10	-12	2.16	21.3	6.2
5	-15	2.02	19.0	5.6
0	-18	1.89	16.6	4.9
-5	-21	1.75	14.3	4.2
-10	-23	1.61	12.0	3.5
-15	-26	1.47	9.6	2.8
-20	-29	1.33	7.3	2.1

# RATINGS

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

## HPXA15-036 — CR26-48 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	34.9	10.2	2.22	.71	.85	.98	33.2	9.7	2.52	.72	.87	1.00	31.5	9.2	2.86	.74	.90	1.00	29.5	8.6	3.27	.77	.93	1.00
	1200	565	36.0	10.6	2.22	.75	.91	1.00	34.2	10.0	2.53	.77	.93	1.00	32.4	9.5	2.87	.79	.96	1.00	30.5	8.9	3.28	.82	.99	1.00
	1400	660	36.9	10.8	2.23	.79	.96	1.00	35.1	10.3	2.53	.81	.98	1.00	33.3	9.8	2.88	.84	1.00	1.00	31.5	9.2	3.28	.87	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.23	.56	.68	.82	35.4	10.4	2.53	.56	.70	.84	33.5	9.8	2.88	.57	.72	.87	31.4	9.2	3.29	.59	.74	.89
	1200	565	38.2	11.2	2.24	.58	.73	.87	36.3	10.6	2.54	.59	.75	.90	34.3	10.1	2.89	.60	.77	.93	32.1	9.4	3.29	.62	.80	.96
	1400	660	38.9	11.4	2.24	.60	.77	.93	37.0	10.8	2.54	.61	.79	.95	34.9	10.2	2.89	.63	.82	.98	32.7	9.6	3.29	.65	.85	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.42	.54	.66	37.9	11.1	2.54	.42	.55	.67	35.8	10.5	2.89	.42	.56	.69	33.6	9.8	3.30	.43	.57	.71
	1200	565	40.7	11.9	2.25	.43	.56	.70	38.7	11.3	2.55	.43	.57	.72	36.6	10.7	2.90	.43	.59	.74	34.3	10.1	3.30	.44	.61	.77
	1400	660	41.5	12.2	2.26	.43	.59	.74	39.4	11.5	2.56	.44	.60	.77	37.2	10.9	2.90	.45	.62	.79	34.8	10.2	3.31	.45	.64	.83

## HPXA15-036 — CH33-36A-2F - CH23-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1000	470	34.2	10.0	2.22	.73	.87	.99	32.5	9.5	2.52	.74	.90	1.00	30.7	9.0	2.87	.76	.93	1.00	28.8	8.4	3.27	.79	.95	1.00
	1200	565	35.2	10.3	2.23	.77	.94	1.00	33.6	9.8	2.52	.79	.96	1.00	31.7	9.3	2.87	.82	.98	1.00	29.9	8.8	3.28	.85	1.00	1.00
	1400	660	36.2	10.6	2.23	.82	.98	1.00	34.5	10.1	2.53	.84	1.00	1.00	32.8	9.6	2.88	.87	1.00	1.00	30.9	9.1	3.28	.90	1.00	1.00
67°F (19°C)	1000	470	36.2	10.6	2.23	.57	.70	.84	34.5	10.1	2.53	.57	.72	.86	32.5	9.5	2.88	.59	.74	.89	30.4	8.9	3.28	.60	.76	.93
	1200	565	37.2	10.9	2.24	.59	.75	.90	35.3	10.3	2.53	.60	.77	.93	33.3	9.8	2.88	.62	.79	.95	31.1	9.1	3.29	.64	.83	.99
	1400	660	37.9	11.1	2.24	.62	.80	.96	35.9	10.5	2.54	.64	.82	.98	33.9	9.9	2.89	.65	.85	1.00	31.6	9.3	3.29	.67	.88	1.00
71°F (22°C)	1000	470	38.6	11.3	2.24	.42	.55	.68	36.7	10.8	2.54	.42	.56	.70	34.7	10.2	2.89	.43	.57	.71	32.4	9.5	3.29	.43	.59	.74
	1200	565	39.5	11.6	2.25	.43	.58	.73	37.5	11.0	2.55	.44	.59	.75	35.4	10.4	2.89	.44	.61	.77	33.0	9.7	3.30	.45	.63	.80
	1400	660	40.2	11.8	2.25	.44	.61	.77	38.1	11.2	2.55	.45	.63	.80	35.9	10.5	2.90	.45	.64	.83	33.5	9.8	3.30	.46	.66	.86

## HPXA15-036 - CR26-48 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.6	12.5	2.65	34.7	10.2	2.50	26.8	7.9	2.35	18.3	5.4	2.11	9.2	2.7	1.56
1200	565	42.7	12.5	2.53	34.8	10.2	2.38	26.9	7.9	2.23	18.4	5.4	1.99	9.3	2.7	1.45
1400	660	43.4	12.7	2.42	35.5	10.4	2.27	27.6	8.1	2.12	19.1	5.6	1.88	10.0	2.9	1.34

## HPXA15-036 - CH33-36A-2F - CH23-41 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.3	12.4	2.81	34.5	10.1	2.65	26.7	7.8	2.49	18.4	5.4	2.24	9.3	2.7	1.66
1200	565	42.3	12.4	2.68	34.5	10.1	2.52	26.7	7.8	2.36	18.4	5.4	2.11	9.3	2.7	1.53
1400	660	43.1	12.6	2.57	35.3	10.3	2.41	27.5	8.1	2.25	19.2	5.6	2.00	10.1	3.0	1.42

## HPXA15-036 - CR26-48 HEATING PERFORMANCE

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.53	42.7	12.5
60	16	2.50	40.7	11.9
55	13	2.46	38.7	11.3
50	10	2.42	36.7	10.8
47	8	2.40	35.5	10.4
45	7	2.38	34.8	10.2
40	4	2.34	33.0	9.7
35	2	2.29	31.1	9.1
30	-1	2.26	29.0	8.5
25	-4	2.23	26.9	7.9
20	-7	2.20	24.8	7.3
17	-8	2.18	23.5	6.9
15	-9	2.17	22.7	6.7
10	-12	2.13	20.7	6.1
5	-15	1.99	18.4	5.4
0	-18	1.86	16.2	4.7
-5	-21	1.72	13.9	4.1
-10	-23	1.58	11.6	3.4
-15	-26	1.45	9.3	2.7
-20	-29	1.31	7.1	2.1

## HPXA15-036 - CH33-36A-2F - CH23-41 HEATING PERFORMANCE

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.68	42.3	12.4
60	16	2.64	40.3	11.8
55	13	2.60	38.3	11.2
50	10	2.57	36.4	10.7
47	8	2.54	35.2	10.3
45	7	2.52	34.5	10.1
40	4	2.48	32.7	9.6
35	2	2.43	30.9	9.1
30	-1	2.39	28.8	8.4
25	-4	2.36	26.7	7.8
20	-7	2.33	24.6	7.2
17	-8	2.31	23.4	6.9
15	-9	2.29	22.6	6.6
10	-12	2.25	20.6	6.0
5	-15	2.11	18.4	5.4
0	-18	1.96	16.1	4.7
-5	-21	1.82	13.8	4.0
-10	-23	1.68	11.6	3.4
-15	-26	1.53	9.3	2.7
-20	-29	1.39	7.0	2.1

# RATINGS

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

## HPXA15-036 — CH33-42B-2F - CH23-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.1	10.3	2.22	.72	.87	.99	33.4	9.8	2.52	.74	.89	1.00	31.6	9.3	2.87	.76	.92	1.00	29.6	8.7	3.28	.78	.95	1.00
	1200	565	36.2	10.6	2.23	.77	.93	1.00	34.4	10.1	2.53	.79	.96	1.00	32.6	9.6	2.88	.81	.98	1.00	30.7	9.0	3.28	.84	1.00	1.00
	1400	660	37.2	10.9	2.23	.81	.98	1.00	35.5	10.4	2.53	.84	.99	1.00	33.7	9.9	2.88	.86	1.00	1.00	31.8	9.3	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.24	.56	.70	.84	35.4	10.4	2.53	.57	.71	.86	33.5	9.8	2.88	.58	.73	.88	31.3	9.2	3.29	.60	.76	.92
	1200	565	38.2	11.2	2.24	.59	.75	.90	36.3	10.6	2.54	.60	.76	.92	34.3	10.1	2.89	.62	.79	.95	32.0	9.4	3.29	.63	.82	.98
	1400	660	38.9	11.4	2.25	.62	.79	.95	37.0	10.8	2.55	.63	.82	.98	34.9	10.2	2.89	.65	.84	1.00	32.6	9.6	3.30	.67	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.42	.55	.67	37.8	11.1	2.55	.42	.56	.69	35.7	10.5	2.89	.43	.57	.71	33.4	9.8	3.30	.43	.58	.74
	1200	565	40.7	11.9	2.25	.43	.58	.72	38.7	11.3	2.55	.43	.59	.74	36.4	10.7	2.90	.44	.60	.77	34.1	10.0	3.31	.45	.62	.80
	1400	660	41.4	12.1	2.26	.44	.61	.77	39.3	11.5	2.56	.45	.62	.79	37.0	10.8	2.90	.45	.64	.82	34.6	10.1	3.31	.46	.66	.85

## HPXA15-036 — CH23-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.4	10.4	2.23	.73	.87	.99	33.6	9.8	2.53	.74	.89	1.00	31.8	9.3	2.88	.76	.92	1.00	29.7	8.7	3.29	.79	.95	1.00
	1200	565	36.5	10.7	2.24	.77	.93	1.00	34.7	10.2	2.54	.79	.96	1.00	32.8	9.6	2.89	.82	.98	1.00	30.9	9.1	3.29	.85	1.00	1.00
	1400	660	37.5	11.0	2.24	.82	.98	1.00	35.8	10.5	2.54	.84	1.00	34.0	10.0	2.89	.87	1.00	1.00	32.1	9.4	3.30	.90	1.00	1.00	
67°F (19°C)	1000	470	37.6	11.0	2.24	.57	.70	.84	35.8	10.5	2.55	.58	.72	.86	33.7	9.9	2.89	.59	.74	.89	31.6	9.3	3.30	.60	.76	.92
	1200	565	38.6	11.3	2.25	.60	.75	.90	36.7	10.8	2.55	.61	.77	.93	34.6	10.1	2.90	.62	.79	.96	32.3	9.5	3.30	.64	.82	.98
	1400	660	39.4	11.5	2.25	.62	.80	.96	37.4	11.0	2.55	.64	.82	.98	35.2	10.3	2.90	.65	.85	1.00	32.9	9.6	3.31	.68	.88	1.00
71°F (22°C)	1000	470	40.2	11.8	2.26	.42	.55	.68	38.2	11.2	2.56	.43	.56	.69	36.0	10.6	2.91	.43	.57	.72	33.7	9.9	3.31	.43	.59	.74
	1200	565	41.1	12.0	2.27	.43	.58	.73	39.1	11.5	2.56	.44	.59	.75	36.8	10.8	2.91	.44	.61	.77	34.4	10.1	3.32	.45	.63	.80
	1400	660	41.9	12.3	2.27	.44	.61	.78	39.7	11.6	2.57	.45	.63	.80	37.4	11.0	2.92	.46	.64	.83	34.9	10.2	3.32	.47	.67	.86

## HPXA15-036 - CH33-42B-2F - CH23-51 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	42.4	12.4	2.64	34.5	10.1	2.56	26.7	7.8	2.47	18.3	5.4	2.29	9.2	2.7	1.68				
1200	565	42.5	12.5	2.52	34.6	10.1	2.44	26.8	7.9	2.35	18.4	5.4	2.17	9.3	2.7	1.56				
1400	660	43.2	12.7	2.41	35.3	10.3	2.33	27.5	8.1	2.24	19.1	5.6	2.06	10.0	2.9	1.45				

## HPXA15-036 - CH23-65 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	42.0	12.3	2.54	34.3	10.1	2.41	26.6	7.8	2.28	18.3	5.4	2.06	9.2	2.7	1.52				
1200	565	42.0	12.3	2.43	34.3	10.1	2.29	26.6	7.8	2.16	18.3	5.4	1.94	9.2	2.7	1.41				
1400	660	42.7	12.5	2.33	35.0	10.3	2.19	27.3	8.0	2.06	19.0	5.6	1.84	9.9	2.9	1.31				

## HPXA15-036 - CH33-42B-2F - CH23-51 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.52	42.5	12.5
60	16	2.50	40.5	11.9
55	13	2.49	38.5	11.3
50	10	2.47	36.5	10.7
47	8	2.46	35.4	10.4
45	7	2.44	34.6	10.1
40	4	2.39	32.8	9.6
35	2	2.35	31.0	9.1
30	-1	2.35	28.9	8.5
25	-4	2.35	26.8	7.9
20	-7	2.35	24.7	7.2
17	-8	2.35	23.4	6.9
15	-9	2.34	22.6	6.6
10	-12	2.32	20.7	6.1
5	-15	2.17	18.4	5.4
0	-18	2.02	16.1	4.7
-5	-21	1.87	13.8	4.0
-10	-23	1.71	11.6	3.4
-15	-26	1.56	9.3	2.7
-20	-29	1.41	7.0	2.1

## HPXA15-036 - CH23-65 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.43	42.0	12.3
60	16	2.39	40.1	11.8
55	13	2.36	38.1	11.2
50	10	2.33	36.2	10.6
47	8	2.31	35.0	10.3
45	7	2.29	34.3	10.1
40	4	2.25	32.5	9.5
35	2	2.21	30.7	9.0
30	-1	2.19	28.7	8.4
25	-4	2.16	26.6	7.8
20	-7	2.13	24.5	7.2
17	-8	2.12	23.3	6.8
15	-9	2.11	22.5	6.6
10	-12	2.07	20.5	6.0
5	-15	1.94	18.3	5.4
0	-18	1.81	16.0	4.7
-5	-21	1.67	13.8	4.0
-10	-23	1.54	11.5	3.4
-15	-26	1.41	9.2	2.7
-20	-29	1.27	7.0	2.1

# RATINGS

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

## HPXA15-042 — CB29M-46 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.4	11.8	2.65	.73	.87	.99	38.6	11.3	3.01	.74	.89	1.00	36.8	10.8	3.43	.76	.91	1.00	34.8	10.2	3.92	.78	.94	1.00
	1400	660	41.4	12.1	2.65	.76	.92	1.00	39.6	11.6	3.02	.78	.94	1.00	37.7	11.0	3.44	.80	.96	1.00	35.7	10.5	3.93	.83	.99	1.00
	1600	755	42.3	12.4	2.66	.80	.96	1.00	40.5	11.9	3.02	.82	.98	1.00	38.6	11.3	3.45	.84	.99	1.00	36.7	10.8	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	42.9	12.6	2.66	.57	.70	.84	41.0	12.0	3.03	.58	.72	.86	38.9	11.4	3.45	.59	.74	.88	36.8	10.8	3.94	.60	.76	.91
	1400	660	43.7	12.8	2.67	.59	.74	.89	41.8	12.3	3.04	.60	.76	.91	39.7	11.6	3.46	.61	.78	.93	37.4	11.0	3.95	.62	.80	.96
	1600	755	44.4	13.0	2.67	.61	.78	.93	42.4	12.4	3.04	.62	.80	.95	40.3	11.8	3.46	.64	.82	.98	38.0	11.1	3.96	.65	.85	.99
71°F (22°C)	1200	565	45.7	13.4	2.68	.42	.55	.68	43.6	12.8	3.05	.43	.56	.69	41.5	12.2	3.47	.43	.57	.71	39.2	11.5	3.96	.43	.58	.73
	1400	660	46.5	13.6	2.69	.43	.58	.72	44.4	13.0	3.06	.43	.58	.74	42.2	12.4	3.48	.44	.60	.76	39.8	11.7	3.97	.44	.61	.78
	1600	755	47.2	13.8	2.69	.44	.60	.76	45.0	13.2	3.06	.44	.61	.78	42.7	12.5	3.49	.45	.63	.80	40.2	11.8	3.98	.46	.64	.83

## HPXA15-042 — CB29M-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	41.0	12.0	2.65	.72	.87	.99	39.2	11.5	3.01	.73	.88	1.00	37.3	10.9	3.43	.75	.91	1.00	35.2	10.3	3.92	.77	.94	1.00
	1400	660	42.0	12.3	2.65	.76	.92	1.00	40.2	11.8	3.02	.77	.94	1.00	38.2	11.2	3.44	.79	.96	1.00	36.2	10.6	3.93	.82	.98	1.00
	1600	755	42.9	12.6	2.66	.79	.96	1.00	41.1	12.0	3.03	.81	.98	1.00	39.2	11.5	3.45	.84	.99	1.00	37.2	10.9	3.94	.86	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.67	.56	.69	.83	41.6	12.2	3.03	.57	.71	.85	39.5	11.6	3.46	.58	.72	.88	37.3	10.9	3.94	.59	.74	.91
	1400	660	44.4	13.0	2.67	.58	.73	.88	42.4	12.4	3.04	.59	.75	.90	40.2	11.8	3.47	.60	.77	.93	37.9	11.1	3.96	.62	.80	.96
	1600	755	45.2	13.2	2.67	.60	.77	.93	43.1	12.6	3.05	.61	.79	.95	40.8	12.0	3.47	.63	.82	.98	38.5	11.3	3.96	.64	.84	1.00
71°F (22°C)	1200	565	46.4	13.6	2.69	.42	.54	.67	44.3	13.0	3.05	.42	.55	.68	42.1	12.3	3.48	.42	.56	.70	39.7	11.6	3.97	.43	.58	.72
	1400	660	47.3	13.9	2.69	.42	.57	.71	45.1	13.2	3.06	.43	.58	.73	42.8	12.5	3.49	.43	.59	.75	40.3	11.8	3.98	.44	.60	.77
	1600	755	48.0	14.1	2.69	.43	.59	.75	45.7	13.4	3.07	.44	.60	.77	43.4	12.7	3.50	.44	.62	.79	40.8	12.0	3.98	.45	.64	.82

## HPXA15-042 - CB29M-46 HEATING CAPACITY

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						
1000	470	48.6	14.2	3.53	39.3	11.5	3.33	30.0	8.8	3.15	20.5	6.0	2.79	10.1	3.0	2.16					
1200	565	49.1	14.4	3.05	39.8	11.7	2.85	30.5	8.9	2.67	21.0	6.2	2.31	10.6	3.1	1.68					
1400	660	49.5	14.5	3.17	40.2	11.8	2.98	30.9	9.1	2.80	21.4	6.3	2.44	11.0	3.2	1.81					

## HPXA15-042 - CB29M-51 HEATING CAPACITY

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	48.9	14.3	3.33	39.9	11.7	3.15	30.8	9.0	2.98	21.4	6.3	2.63	11.0	3.2	1.99					
1400	660	48.5	14.2	3.05	39.5	11.6	2.87	30.4	8.9	2.71	21.0	6.2	2.35	10.6	3.1	1.71					
1600	755	49.2	14.4	3.06	40.2	11.8	2.88	31.1	9.1	2.72	21.7	6.4	2.36	11.3	3.3	1.72					

## HPXA15-042 - CB29M-46 HEATING PERFORMANCE

at 1200 cfm (566 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	49.1	14.4
60	16	2.99	46.8	13.7
55	13	2.94	44.5	13.0
50	10	2.89	42.1	12.3
47	8	2.86	40.7	11.9
45	7	2.85	39.8	11.7
40	4	2.85	37.5	11.0
35	2	2.84	35.2	10.3
30	-1	2.76	32.9	9.6
25	-4	2.67	30.5	8.9
20	-7	2.59	28.2	8.3
17	-8	2.54	26.8	7.9
15	-9	2.52	25.9	7.6
10	-12	2.47	23.6	6.9
5	-15	2.31	21.0	6.2
0	-18	2.15	18.4	5.4
-5	-21	2.00	15.8	4.6
-10	-23	1.84	13.2	3.9
-15	-26	1.68	10.6	3.1
-20	-29	1.53	8.0	2.3

## HPXA15-042 - CB29M-51 HEATING PERFORMANCE

at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	48.5	14.2
60	16	3.00	46.2	13.5
55	13	2.95	44.0	12.9
50	10	2.90	41.7	12.2
47	8	2.87	40.4	11.8
45	7	2.87	39.5	11.6
40	4	2.87	37.2	10.9
35	2	2.87	35.0	10.3
30	-1	2.79	32.7	9.6
25	-4	2.71	30.4	8.9
20	-7	2.63	28.2	8.3
17	-8	2.58	26.8	7.9
15	-9	2.56	25.9	7.6
10	-12	2.51	23.6	6.9
5	-15	2.35	21.0	6.2
0	-18	2.19	18.4	5.4
-5	-21	2.03	15.8	4.6
-10	-23	1.87	13.2	3.9
-15	-26	1.71	10.6	3.1
-20	-29	1.55	8.0	2.3



# RATINGS

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

## HPXA15-042 — CB30M-46 — CB30U-41/46 - CBX32M-042 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.1	12.0	2.65	.73	.87	.99	39.3	11.5	3.02	.74	.89	1.00	37.4	11.0	3.44	.76	.91	1.00	35.3	10.3	3.93	.78	.94	1.00
	1400	660	42.1	12.3	2.66	.76	.92	1.00	40.3	11.8	3.02	.78	.94	1.00	38.3	11.2	3.45	.80	.96	1.00	36.3	10.6	3.93	.82	.99	1.00
	1600	755	43.0	12.6	2.66	.80	.96	1.00	41.2	12.1	3.03	.82	.98	1.00	39.3	11.5	3.45	.84	.99	1.00	37.3	10.9	3.94	.87	1.00	1.00
67°F (19°C)	1200	565	43.6	12.8	2.67	.57	.70	.84	41.7	12.2	3.03	.58	.72	.86	39.6	11.6	3.46	.59	.74	.88	37.4	11.0	3.94	.60	.75	.91
	1400	660	44.5	13.0	2.67	.59	.74	.89	42.5	12.5	3.04	.60	.76	.91	40.3	11.8	3.47	.61	.78	.93	38.0	11.1	3.96	.63	.80	.96
	1600	755	45.3	13.3	2.68	.61	.78	.94	43.2	12.7	3.05	.62	.80	.96	40.9	12.0	3.48	.63	.82	.98	38.6	11.3	3.97	.65	.85	.99
71°F (22°C)	1200	565	46.5	13.6	2.69	.42	.55	.68	44.4	13.0	3.06	.43	.56	.69	42.2	12.4	3.48	.43	.57	.71	39.8	11.7	3.97	.43	.58	.73
	1400	660	47.4	13.9	2.69	.43	.57	.72	45.2	13.2	3.06	.43	.59	.74	42.9	12.6	3.49	.44	.60	.75	40.4	11.8	3.99	.44	.61	.78
	1600	755	48.1	14.1	2.70	.44	.60	.76	45.8	13.4	3.07	.44	.61	.78	43.5	12.7	3.50	.45	.62	.80	40.9	12.0	3.99	.46	.64	.83

## HPXA15-042 — CB30M-41 COOLING - CBX32M-036 CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.1	12.0	2.66	.72	.87	.99	39.2	11.5	3.02	.74	.90	1.00	37.2	10.9	3.44	.75	.92	1.00	35.0	10.3	3.93	.78	.95	1.00
	1400	660	42.2	12.4	2.66	.76	.92	1.00	40.2	11.8	3.03	.78	.95	1.00	38.1	11.2	3.45	.80	.97	1.00	36.0	10.6	3.94	.83	.99	1.00
	1600	755	43.1	12.6	2.67	.80	.97	1.00	41.2	12.1	3.04	.82	.99	1.00	39.2	11.5	3.46	.85	1.00	1.00	37.1	10.9	3.95	.88	1.00	1.00
67°F (19°C)	1200	565	43.7	12.8	2.67	.56	.70	.84	41.6	12.2	3.04	.57	.71	.86	39.4	11.5	3.46	.58	.73	.89	37.0	10.8	3.95	.60	.76	.92
	1400	660	44.6	13.1	2.68	.58	.74	.89	42.4	12.4	3.05	.59	.76	.92	40.1	11.8	3.47	.61	.78	.94	37.7	11.0	3.96	.62	.81	.97
	1600	755	45.2	13.2	2.69	.61	.78	.94	43.0	12.6	3.06	.62	.80	.96	40.7	11.9	3.48	.63	.82	.98	38.2	11.2	3.96	.65	.86	1.00
71°F (22°C)	1200	565	46.5	13.6	2.69	.42	.55	.67	44.3	13.0	3.06	.42	.56	.69	41.9	12.3	3.48	.43	.57	.71	39.4	11.5	3.97	.43	.58	.73
	1400	660	47.4	13.9	2.70	.43	.57	.72	45.1	13.2	3.07	.43	.58	.73	42.6	12.5	3.50	.43	.60	.76	40.0	11.7	3.98	.44	.61	.78
	1600	755	48.1	14.1	2.70	.44	.60	.75	45.7	13.4	3.08	.44	.61	.78	43.2	12.7	3.50	.45	.62	.80	40.5	11.9	3.99	.45	.64	.83

## HPXA15-042 - CB30M-46 — CB30U-41/46 - CBX32M-042 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.24	39.6	11.6	3.06	30.2	8.9	2.89	20.7	6.1	2.53	10.6	3.1	1.92				
1400	660	48.8	14.3	2.98	39.5	11.6	2.79	30.1	8.8	2.62	20.6	6.0	2.27	10.5	3.1	1.65				
1600	755	49.6	14.5	2.99	40.3	11.8	2.81	30.9	9.1	2.64	21.4	6.3	2.28	11.3	3.3	1.67				

## HPXA15-042 - CB30M-41 - CBX32M-036 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.24	39.5	11.6	3.06	30.2	8.9	2.89	20.6	6.0	2.53	10.5	3.1	1.92				
1400	660	48.9	14.3	2.98	39.5	11.6	2.79	30.2	8.9	2.62	20.6	6.0	2.27	10.5	3.1	1.65				
1600	755	49.6	14.5	2.99	40.2	11.8	2.81	30.9	9.1	2.64	21.3	6.2	2.28	11.2	3.3	1.67				

## HPXA15-042 - CB30M-46CB30U-41/46-CBX32M-042 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	48.8	14.3
60	16	2.93	46.5	13.6
55	13	2.88	44.1	12.9
50	10	2.82	41.8	12.3
47	8	2.79	40.4	11.8
45	7	2.79	39.5	11.6
40	4	2.79	37.2	10.9
35	2	2.78	34.8	10.2
30	-1	2.70	32.5	9.5
25	-4	2.62	30.1	8.8
20	-7	2.54	27.8	8.1
17	-8	2.49	26.4	7.7
15	-9	2.47	25.5	7.5
10	-12	2.42	23.1	6.8
5	-15	2.27	20.6	6.0
0	-18	2.11	18.1	5.3
-5	-21	1.96	15.5	4.5
-10	-23	1.81	13.0	3.8
-15	-26	1.65	10.5	3.1
-20	-29	1.50	7.9	2.3

## HPXA15-042 - CB30M-41 - CBX32M-036 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	48.9	14.3
60	16	2.93	46.5	13.6
55	13	2.88	44.2	13.0
50	10	2.82	41.9	12.3
47	8	2.79	40.5	11.9
45	7	2.79	39.5	11.6
40	4	2.79	37.2	10.9
35	2	2.78	34.9	10.2
30	-1	2.70	32.5	9.5
25	-4	2.62	30.2	8.9
20	-7	2.54	27.9	8.2
17	-8	2.49	26.4	7.7
15	-9	2.47	25.5	7.5
10	-12	2.42	23.2	6.8
5	-15	2.27	20.6	6.0
0	-18	2.11	18.1	5.3
-5	-21	1.96	15.6	4.6
-10	-23	1.81	13.0	3.8
-15	-26	1.65	10.5	3.1
-20	-29	1.50	7.9	2.3

# RATINGS

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

## HPXA15-042 — CB29M-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	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	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)	1200	565	41.4	12.1	2.67	.72	.87	.99	39.5	11.6	3.03	.73	.89	1.00	37.5	11.0	3.45	.75	.91	1.00	35.4	10.4	3.95	.77	.94	1.00
	1400	660	42.4	12.4	2.67	.75	.92	1.00	40.5	11.9	3.04	.77	.94	1.00	38.5	11.3	3.46	.79	.96	1.00	36.4	10.7	3.95	.82	.99	1.00
	1600	755	43.3	12.7	2.68	.79	.96	1.00	41.4	12.1	3.05	.81	.98	1.00	39.5	11.6	3.47	.84	1.00	1.00	37.5	11.0	3.96	.87	1.00	1.00
67°F (19°C)	1200	565	43.9	12.9	2.68	.56	.69	.83	41.9	12.3	3.05	.57	.71	.85	39.8	11.7	3.47	.58	.72	.88	37.5	11.0	3.97	.59	.74	.91
	1400	660	44.8	13.1	2.69	.58	.73	.89	42.8	12.5	3.05	.59	.75	.91	40.5	11.9	3.48	.60	.77	.94	38.1	11.2	3.98	.62	.80	.97
	1600	755	45.6	13.4	2.69	.60	.77	.93	43.4	12.7	3.06	.61	.79	.96	41.1	12.0	3.49	.63	.82	.98	38.7	11.3	3.98	.64	.84	1.00
71°F (22°C)	1200	565	46.8	13.7	2.70	.42	.54	.67	44.7	13.1	3.07	.42	.55	.69	42.4	12.4	3.50	.42	.56	.70	39.9	11.7	3.99	.43	.58	.72
	1400	660	47.7	14.0	2.71	.42	.57	.71	45.5	13.3	3.08	.43	.58	.72	43.1	12.6	3.51	.43	.59	.75	40.5	11.9	4.00	.44	.61	.77
	1600	755	48.4	14.2	2.71	.43	.59	.75	46.1	13.5	3.09	.44	.60	.77	43.6	12.8	3.51	.44	.62	.79	41.0	12.0	4.00	.45	.64	.82

## HPXA15-042 — CB31MV-41 - CBX32MV-036 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	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	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)	1200	565	40.9	12.0	2.66	.73	.88	.99	39.1	11.5	3.02	.75	.90	1.00	37.1	10.9	3.44	.76	.92	1.00	35.0	10.3	3.93	.79	.95	1.00
	1400	660	42.0	12.3	2.66	.77	.92	1.00	40.1	11.8	3.03	.78	.94	1.00	38.1	11.2	3.45	.81	.97	1.00	35.9	10.5	3.93	.83	.99	1.00
	1600	755	42.9	12.6	2.66	.80	.97	1.00	41.0	12.0	3.03	.83	.98	1.00	39.0	11.4	3.45	.85	1.00	1.00	37.0	10.8	3.94	.88	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.67	.57	.71	.84	41.5	12.2	3.03	.58	.72	.86	39.3	11.5	3.46	.59	.74	.89	37.0	10.8	3.95	.60	.76	.92
	1400	660	44.4	13.0	2.67	.59	.74	.89	42.3	12.4	3.04	.60	.76	.92	40.0	11.7	3.47	.61	.79	.94	37.7	11.0	3.96	.63	.81	.97
	1600	755	45.1	13.2	2.68	.61	.78	.94	42.9	12.6	3.05	.62	.80	.96	40.6	11.9	3.47	.64	.83	.98	38.2	11.2	3.96	.66	.86	1.00
71°F (22°C)	1200	565	46.3	13.6	2.69	.42	.55	.68	44.2	13.0	3.05	.43	.56	.70	41.9	12.3	3.48	.43	.57	.72	39.4	11.5	3.97	.44	.59	.74
	1400	660	47.2	13.8	2.69	.43	.58	.72	45.0	13.2	3.06	.43	.59	.74	42.5	12.5	3.49	.44	.60	.76	40.0	11.7	3.98	.45	.62	.79
	1600	755	47.9	14.0	2.70	.44	.60	.76	45.6	13.4	3.07	.44	.61	.78	43.1	12.6	3.50	.45	.63	.81	40.5	11.9	3.98	.46	.65	.84

## HPXA15-042 - CB29M-65 HEATING CAPACITY

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
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1200	565	48.6	14.2	3.35	39.5	11.6	3.17	30.4	8.9	3.00	21.0	6.2	2.64	10.7	3.1	2.00
1400	660	48.5	14.2	3.07	39.4	11.5	2.89	30.3	8.9	2.72	20.9	6.1	2.36	10.6	3.1	1.72
1600	755	49.3	14.4	3.09	40.2	11.8	2.91	31.1	9.1	2.74	21.7	6.4	2.38	11.4	3.3	1.74

## HPXA15-042 - CB31MV-41 - CBX32MV-036 HEATING CAPACITY

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
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1200	565	48.8	14.3	3.24	39.4	11.5	3.06	30.0	8.8	2.89	20.5	6.0	2.53	10.4	3.0	1.92
1400	660	48.8	14.3	2.98	39.4	11.5	2.79	30.0	8.8	2.62	20.5	6.0	2.27	10.4	3.0	1.65
1600	755	49.5	14.5	3.00	40.1	11.8	2.81	30.7	9.0	2.64	21.2	6.2	2.29	11.1	3.3	1.67

## HPXA15-042 - CB29M-65 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.07	48.5	14.2
60	16	3.02	46.2	13.5
55	13	2.97	43.9	12.9
50	10	2.92	41.7	12.2
47	8	2.89	40.3	11.8
45	7	2.89	39.4	11.5
40	4	2.88	37.1	10.9
35	2	2.88	34.9	10.2
30	-1	2.80	32.6	9.6
25	-4	2.72	30.3	8.9
20	-7	2.64	28.1	8.2
17	-8	2.59	26.7	7.8
15	-9	2.57	25.8	7.6
10	-12	2.52	23.5	6.9
5	-15	2.36	20.9	6.1
0	-18	2.20	18.3	5.4
-5	-21	2.04	15.8	4.6
-10	-23	1.88	13.2	3.9
-15	-26	1.72	10.6	3.1
-20	-29	1.55	8.0	2.3

## HPXA15-042 - CB31MV-41 - CBX32MV-036 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	48.8	14.3
60	16	2.93	46.4	13.6
55	13	2.88	44.1	12.9
50	10	2.82	41.7	12.2
47	8	2.79	40.3	11.8
45	7	2.79	39.4	11.5
40	4	2.79	37.1	10.9
35	2	2.78	34.7	10.2
30	-1	2.70	32.4	9.5
25	-4	2.62	30.0	8.8
20	-7	2.54	27.7	8.1
17	-8	2.49	26.3	7.7
15	-9	2.47	25.3	7.4
10	-12	2.42	23.0	6.7
5	-15	2.27	20.5	6.0
0	-18	2.11	18.0	5.3
-5	-21	1.96	15.4	4.5
-10	-23	1.81	12.9	3.8
-15	-26	1.65	10.4	3.0
-20	-29	1.50	7.9	2.3

# RATINGS

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

## HPXA15-042 — CB30M-51 — CB30U-51 - CBX32M-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	42.5	12.5	2.68	.72	.88	1.00	40.4	11.8	3.05	.74	.90	1.00	38.2	11.2	3.48	.76	.93	1.00	35.9	10.5	3.97	.78	.96	1.00
	1400	660	43.6	12.8	2.69	.76	.93	1.00	41.5	12.2	3.06	.78	.95	1.00	39.3	11.5	3.49	.81	.98	1.00	37.0	10.8	3.97	.84	1.00	1.00
	1600	755	44.6	13.1	2.70	.80	.98	1.00	42.5	12.5	3.07	.83	.99	1.00	40.4	11.8	3.49	.85	1.00	1.00	38.2	11.2	3.98	.89	1.00	1.00
67°F (19°C)	1200	565	45.2	13.2	2.70	.56	.70	.84	42.9	12.6	3.07	.57	.72	.86	40.6	11.9	3.50	.58	.73	.89	38.0	11.1	3.98	.60	.76	.93
	1400	660	46.2	13.5	2.71	.58	.74	.90	43.9	12.9	3.08	.60	.76	.92	41.3	12.1	3.50	.61	.78	.95	38.7	11.3	3.99	.63	.81	.99
	1600	755	47.0	13.8	2.71	.61	.78	.95	44.5	13.0	3.08	.62	.80	.97	42.0	12.3	3.51	.64	.83	.99	39.3	11.5	4.00	.66	.86	1.00
71°F (22°C)	1200	565	48.2	14.1	2.72	.42	.55	.67	45.8	13.4	3.10	.42	.56	.69	43.2	12.7	3.52	.43	.57	.71	40.4	11.8	4.01	.43	.59	.74
	1400	660	49.2	14.4	2.73	.43	.57	.71	46.7	13.7	3.10	.43	.58	.73	44.0	12.9	3.53	.44	.60	.76	41.1	12.0	4.02	.44	.62	.79
	1600	755	49.9	14.6	2.73	.44	.60	.76	47.3	13.9	3.11	.44	.61	.78	44.5	13.0	3.53	.45	.63	.81	41.6	12.2	4.02	.46	.65	.84

## HPXA15-042 — CB31MV-51 - CBX32MV-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	43.0	12.6	2.69	.73	.88	1.00	41.0	12.0	3.07	.75	.90	1.00	38.8	11.4	3.49	.76	.92	1.00	36.4	10.7	3.98	.79	.96	1.00
	1400	660	44.2	13.0	2.70	.77	.93	1.00	42.0	12.3	3.07	.79	.95	1.00	39.8	11.7	3.50	.81	.98	1.00	37.5	11.0	3.99	.84	1.00	1.00
	1600	755	45.2	13.2	2.71	.81	.97	1.00	43.1	12.6	3.08	.83	.99	1.00	40.9	12.0	3.50	.86	1.00	1.00	38.8	11.4	4.00	.89	1.00	1.00
67°F (19°C)	1200	565	45.8	13.4	2.71	.57	.70	.84	43.5	12.7	3.09	.58	.72	.87	41.1	12.0	3.51	.59	.74	.89	38.6	11.3	4.00	.60	.76	.92
	1400	660	46.8	13.7	2.72	.59	.74	.90	44.4	13.0	3.09	.60	.76	.92	42.0	12.3	3.52	.61	.79	.95	39.3	11.5	4.01	.63	.82	.98
	1600	755	47.5	13.9	2.72	.62	.79	.95	45.1	13.2	3.10	.63	.81	.97	42.6	12.5	3.52	.64	.83	1.00	39.9	11.7	4.02	.66	.87	1.00
71°F (22°C)	1200	565	48.8	14.3	2.73	.42	.55	.68	46.4	13.6	3.11	.43	.56	.70	43.8	12.8	3.53	.43	.57	.72	41.1	12.0	4.03	.44	.59	.74
	1400	660	49.8	14.6	2.74	.43	.58	.72	47.3	13.9	3.11	.44	.59	.74	44.6	13.1	3.54	.44	.60	.76	41.8	12.3	4.04	.45	.62	.79
	1600	755	50.5	14.8	2.75	.44	.60	.76	47.9	14.0	3.12	.45	.62	.79	45.2	13.2	3.55	.45	.63	.81	42.3	12.4	4.04	.46	.65	.84

## HPXA15-042 - CB30M-51 — CB30U-51 - CBX32M-048 HEATING CAPACITY

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
1200	565	47.9	14.0	3.06	38.8	11.4	2.91	29.7	8.7	2.76	20.4	6.0	2.43	10.3	3.0	1.84				
1400	660	47.9	14.0	2.82	38.8	11.4	2.66	29.7	8.7	2.52	20.4	6.0	2.19	10.3	3.0	1.59				
1600	755	48.6	14.2	2.83	39.5	11.6	2.68	30.4	8.9	2.53	21.1	6.2	2.20	11.0	3.2	1.61				

## HPXA15-042 - CB31MV-51 - CBX32MV-048 HEATING CAPACITY

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
1200	565	47.7	14.0	3.08	38.5	11.3	2.92	29.4	8.6	2.77	20.0	5.9	2.45	10.2	3.0	1.85				
1400	660	47.7	14.0	2.82	38.5	11.3	2.66	29.4	8.6	2.51	20.0	5.9	2.19	10.2	3.0	1.59				
1600	755	48.3	14.2	2.84	39.1	11.5	2.68	30.0	8.8	2.54	20.6	6.0	2.21	10.8	3.2	1.61				

## HPXA15-042 - CB30M-51 - CB30U-51 - CBX32M-048 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.82	47.9	14.0
60	16	2.78	45.6	13.4
55	13	2.73	43.3	12.7
50	10	2.69	41.1	12.0
47	8	2.66	39.7	11.6
45	7	2.66	38.8	11.4
40	4	2.66	36.5	10.7
35	2	2.66	34.3	10.1
30	-1	2.59	32.0	9.4
25	-4	2.52	29.7	8.7
20	-7	2.44	27.4	8.0
17	-8	2.40	26.1	7.6
15	-9	2.38	25.1	7.4
10	-12	2.34	22.9	6.7
5	-15	2.19	20.4	6.0
0	-18	2.04	17.9	5.2
-5	-21	1.89	15.3	4.5
-10	-23	1.74	12.8	3.8
-15	-26	1.59	10.3	3.0
-20	-29	1.44	7.8	2.3

## HPXA15-042 - CB31MV-51 - CBX32MV-048 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.82	47.7	14.0
60	16	2.77	45.4	13.3
55	13	2.73	43.1	12.6
50	10	2.69	40.8	12.0
47	8	2.66	39.4	11.5
45	7	2.66	38.5	11.3
40	4	2.66	36.3	10.6
35	2	2.66	34.0	10.0
30	-1	2.58	31.7	9.3
25	-4	2.51	29.4	8.6
20	-7	2.44	27.1	7.9
17	-8	2.40	25.7	7.5
15	-9	2.38	24.8	7.3
10	-12	2.34	22.5	6.6
5	-15	2.19	20.0	5.9
0	-18	2.04	17.6	5.2
-5	-21	1.89	15.1	4.4
-10	-23	1.74	12.6	3.7
-15	-26	1.59	10.2	3.0
-20	-29	1.44	7.7	2.3

# RATINGS

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

## HPXA15-042 — CVP10-41/EC10Q3 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	39.5	11.6	2.64	.70	.86	.99	37.6	11.0	3.00	.71	.89	1.00	35.6	10.4	3.42	.73	.91	1.00	33.5	9.8	3.90	.76	.95	1.00
	1400	660	40.5	11.9	2.64	.73	.92	1.00	38.6	11.3	3.00	.75	.94	1.00	36.6	10.7	3.43	.78	.97	1.00	34.5	10.1	3.91	.81	1.00	1.00
	1600	755	41.5	12.2	2.65	.78	.97	1.00	39.6	11.6	3.01	.80	.98	1.00	37.6	11.0	3.43	.83	1.00	1.00	35.5	10.4	3.92	.87	1.00	1.00
67°F (19°C)	1200	565	41.9	12.3	2.65	.54	.67	.82	39.9	11.7	3.02	.55	.69	.84	37.7	11.0	3.43	.56	.71	.87	35.4	10.4	3.92	.58	.73	.91
	1400	660	42.8	12.5	2.66	.56	.71	.88	40.7	11.9	3.02	.57	.73	.91	38.5	11.3	3.44	.59	.75	.94	36.0	10.6	3.93	.60	.79	.97
	1600	755	43.5	12.7	2.66	.58	.75	.94	41.3	12.1	3.03	.60	.78	.96	39.0	11.4	3.45	.61	.81	.99	36.5	10.7	3.93	.63	.85	1.00
71°F (22°C)	1200	565	44.6	13.1	2.67	.40	.53	.65	42.5	12.5	3.03	.41	.54	.67	40.2	11.8	3.46	.41	.55	.68	37.7	11.0	3.94	.41	.56	.71
	1400	660	45.5	13.3	2.68	.41	.55	.69	43.3	12.7	3.04	.41	.56	.71	40.9	12.0	3.46	.42	.57	.73	38.2	11.2	3.95	.43	.59	.76
	1600	755	46.2	13.5	2.68	.42	.57	.73	43.9	12.9	3.05	.42	.59	.75	41.3	12.1	3.47	.43	.60	.78	38.7	11.3	3.95	.44	.62	.82

## HPXA15-042 — CVP10-46/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.8	12.0	2.65	.74	.88	.99	39.0	11.4	3.01	.75	.89	1.00	37.1	10.9	3.43	.77	.92	1.00	35.0	10.3	3.91	.79	.94	1.00
	1400	660	41.9	12.3	2.65	.77	.92	1.00	40.0	11.7	3.01	.79	.95	1.00	38.0	11.1	3.44	.81	.97	1.00	36.0	10.6	3.92	.83	.99	1.00
	1600	755	42.8	12.5	2.65	.81	.96	1.00	40.9	12.0	3.02	.83	.98	1.00	39.0	11.4	3.44	.85	.99	1.00	37.0	10.8	3.93	.88	1.00	1.00
67°F (19°C)	1200	565	43.3	12.7	2.66	.58	.71	.85	41.3	12.1	3.03	.58	.73	.87	39.3	11.5	3.45	.59	.74	.89	37.0	10.8	3.93	.61	.77	.91
	1400	660	44.2	13.0	2.67	.60	.75	.89	42.2	12.4	3.03	.61	.77	.92	40.0	11.7	3.45	.62	.79	.94	37.7	11.0	3.95	.63	.81	.97
	1600	755	45.0	13.2	2.67	.62	.79	.94	42.9	12.6	3.04	.63	.81	.96	40.6	11.9	3.46	.64	.83	.98	38.3	11.2	3.95	.66	.86	.99
71°F (22°C)	1200	565	46.1	13.5	2.68	.43	.56	.69	44.0	12.9	3.05	.43	.57	.70	41.8	12.3	3.47	.44	.58	.72	39.4	11.5	3.96	.44	.59	.74
	1400	660	47.0	13.8	2.68	.44	.58	.73	44.9	13.2	3.05	.44	.59	.74	42.6	12.5	3.47	.44	.61	.77	40.1	11.8	3.97	.45	.62	.79
	1600	755	47.7	14.0	2.69	.44	.61	.77	45.5	13.3	3.06	.45	.62	.79	43.1	12.6	3.48	.45	.64	.81	40.6	11.9	3.98	.46	.65	.84

## HPXA15-042 - CVP10-41/EC10Q3 HEATING CAPACITY

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
1200	565	48.6	14.2	3.10	39.2	11.5	2.91	29.7	8.7	2.73	20.3	5.9	2.37	9.9	2.9	1.73				
1400	660	49.4	14.5	3.10	40.0	11.7	2.91	30.5	8.9	2.73	21.1	6.2	2.37	10.7	3.1	1.73				
1600	755	49.7	14.6	3.00	40.3	11.8	2.81	30.8	9.0	2.63	21.4	6.3	2.27	11.0	3.2	1.63				

## HPXA15-042 - CVP10-46/EC10Q4 HEATING CAPACITY

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
1200	565	49.2	14.4	3.20	40.1	11.8	3.04	30.9	9.1	2.89	21.4	6.3	2.55	10.8	3.2	1.94				
1400	660	49.3	14.4	2.91	40.2	11.8	2.75	31.0	9.1	2.60	21.5	6.3	2.26	10.9	3.2	1.65				
1600	755	49.9	14.6	2.96	40.8	12.0	2.80	31.6	9.3	2.65	22.1	6.5	2.31	11.5	3.4	1.70				

## HPXA15-042 - CVP10-41/EC10Q3 HEATING PERFORMANCE AT 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.10	49.4	14.5
60	16	3.05	47.1	13.8
55	13	2.99	44.7	13.1
50	10	2.94	42.4	12.4
47	8	2.91	41.0	12.0
45	7	2.91	40.0	11.7
40	4	2.90	37.4	11.0
35	2	2.89	34.9	10.2
30	-1	2.81	32.7	9.6
25	-4	2.73	30.5	8.9
20	-7	2.65	28.3	8.3
17	-8	2.61	27.0	7.9
15	-9	2.59	26.0	7.6
10	-12	2.54	23.7	6.9
5	-15	2.37	21.1	6.2
0	-18	2.21	18.5	5.4
-5	-21	2.05	15.9	4.7
-10	-23	1.89	13.3	3.9
-15	-26	1.73	10.7	3.1
-20	-29	1.56	8.1	2.4

## HPXA15-042 - CVP10-46/EC10Q4 HEATING PERFORMANCE AT 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.91	49.3	14.4
60	16	2.87	47.0	13.8
55	13	2.82	44.7	13.1
50	10	2.78	42.5	12.5
47	8	2.75	41.1	12.0
45	7	2.75	40.2	11.8
40	4	2.75	37.9	11.1
35	2	2.75	35.6	10.4
30	-1	2.68	33.3	9.8
25	-4	2.60	31.0	9.1
20	-7	2.53	28.7	8.4
17	-8	2.48	27.4	8.0
15	-9	2.46	26.4	7.7
10	-12	2.42	24.1	7.1
5	-15	2.26	21.5	6.3
0	-18	2.11	18.8	5.5
-5	-21	1.96	16.2	4.7
-10	-23	1.80	13.5	4.0
-15	-26	1.65	10.9	3.2
-20	-29	1.49	8.2	2.4

# RATINGS

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

## HPXA15-042 — C33-38A/B - C26-41 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	39.9	11.7	2.65	.69	.86	1.00	38.0	11.1	3.01	.71	.89	1.00	36.0	10.6	3.42	.72	.92	1.00	33.9	9.9	3.91	.75	.95	1.00
	1400	660	40.9	12.0	2.65	.73	.92	1.00	39.0	11.4	3.01	.75	.95	1.00	37.0	10.8	3.43	.78	.97	1.00	34.9	10.2	3.92	.81	1.00	1.00
	1600	755	41.8	12.3	2.65	.78	.97	1.00	40.0	11.7	3.02	.80	.99	1.00	38.0	11.1	3.44	.83	1.00	1.00	35.9	10.5	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	42.2	12.4	2.66	.54	.67	.82	40.2	11.8	3.03	.55	.68	.85	38.0	11.1	3.44	.56	.71	.88	35.7	10.5	3.93	.57	.73	.92
	1400	660	43.1	12.6	2.66	.56	.71	.89	41.0	12.0	3.03	.57	.73	.91	38.7	11.3	3.45	.58	.75	.95	36.3	10.6	3.94	.60	.79	.98
	1600	755	43.8	12.8	2.67	.58	.75	.94	41.6	12.2	3.03	.59	.78	.97	39.3	11.5	3.46	.61	.81	.99	36.9	10.8	3.94	.63	.84	1.00
71°F (22°C)	1200	565	44.9	13.2	2.68	.40	.52	.65	42.8	12.5	3.04	.40	.53	.66	40.5	11.9	3.46	.40	.54	.68	37.9	11.1	3.95	.41	.56	.71
	1400	660	45.7	13.4	2.68	.41	.55	.69	43.5	12.7	3.05	.41	.56	.71	41.1	12.0	3.47	.42	.57	.73	38.5	11.3	3.96	.42	.59	.76
	1600	755	46.4	13.6	2.69	.42	.57	.73	44.1	12.9	3.05	.42	.58	.75	41.6	12.2	3.48	.43	.60	.78	39.0	11.4	3.96	.43	.62	.82

## HPXA15-042 — C26-46 - C33-50/60C COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.4	12.1	2.67	.72	.87	.99	39.5	11.6	3.04	.73	.89	1.00	37.5	11.0	3.46	.75	.92	1.00	35.3	10.3	3.95	.77	.95	1.00
	1400	660	42.5	12.5	2.68	.75	.93	1.00	40.5	11.9	3.05	.77	.95	1.00	38.5	11.3	3.47	.80	.97	1.00	36.3	10.6	3.96	.83	1.00	1.00
	1600	755	43.5	12.7	2.68	.80	.97	1.00	41.5	12.2	3.05	.82	.99	1.00	39.6	11.6	3.48	.84	1.00	1.00	37.5	11.0	3.97	.88	1.00	1.00
67°F (19°C)	1200	565	43.9	12.9	2.69	.56	.69	.83	41.9	12.3	3.06	.57	.71	.86	39.7	11.6	3.48	.58	.72	.88	37.2	10.9	3.98	.59	.75	.92
	1400	660	44.9	13.2	2.69	.58	.73	.89	42.7	12.5	3.07	.59	.75	.92	40.4	11.8	3.49	.60	.77	.95	38.0	11.1	3.99	.62	.80	.98
	1600	755	45.6	13.4	2.70	.60	.77	.94	43.4	12.7	3.07	.62	.79	.97	41.0	12.0	3.50	.63	.82	.99	38.5	11.3	3.99	.65	.86	1.00
71°F (22°C)	1200	565	46.8	13.7	2.71	.41	.54	.67	44.6	13.1	3.08	.42	.55	.68	42.2	12.4	3.51	.42	.56	.70	39.6	11.6	4.00	.42	.58	.73
	1400	660	47.7	14.0	2.71	.42	.57	.71	45.4	13.3	3.09	.43	.58	.73	42.9	12.6	3.52	.43	.59	.75	40.3	11.8	4.00	.44	.61	.78
	1600	755	48.4	14.2	2.72	.43	.59	.75	46.0	13.5	3.09	.43	.60	.77	43.5	12.7	3.52	.44	.62	.80	40.8	12.0	4.01	.45	.64	.83

## HPXA15-042 - C33-38A/B - C26-41 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.17	39.3	11.5	2.98	29.6	8.7	2.80	20.1	5.9	2.43	9.9	2.9	1.78				
1400	660	49.6	14.5	3.15	40.0	11.7	2.96	30.3	8.9	2.78	20.8	6.1	2.40	10.6	3.1	1.75				
1600	755	49.9	14.6	3.05	40.3	11.8	2.86	30.6	9.0	2.68	21.1	6.2	2.30	10.9	3.2	1.65				

## HPXA15-042 - C26-46 - C33-50/60C HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.6	14.2	3.24	39.4	11.5	3.07	30.2	8.9	2.91	20.7	6.1	2.56	10.5	3.1	1.94				
1400	660	48.5	14.2	2.98	39.3	11.5	2.81	30.1	8.8	2.65	20.6	6.0	2.30	10.4	3.0	1.68				
1600	755	49.2	14.4	3.01	40.0	11.7	2.84	30.8	9.0	2.68	21.3	6.2	2.33	11.1	3.3	1.70				

## HPXA15-042 - C33-38A/B - C26-41 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.15	49.6	14.5
60	16	3.10	47.2	13.8
55	13	3.04	44.9	13.2
50	10	2.99	42.5	12.5
47	8	2.96	41.0	12.0
45	7	2.96	40.0	11.7
40	4	2.95	37.4	11.0
35	2	2.95	34.8	10.2
30	-1	2.86	32.6	9.6
25	-4	2.78	30.3	8.9
20	-7	2.69	28.1	8.2
17	-8	2.64	26.7	7.8
15	-9	2.62	25.8	7.6
10	-12	2.57	23.4	6.9
5	-15	2.40	20.8	6.1
0	-18	2.24	18.3	5.4
-5	-21	2.08	15.7	4.6
-10	-23	1.91	13.1	3.8
-15	-26	1.75	10.6	3.1
-20	-29	1.59	8.0	2.3

## HPXA15-042 - C26-46 - C33-50/60C HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	48.5	14.2
60	16	2.94	46.2	13.5
55	13	2.89	43.9	12.9
50	10	2.84	41.6	12.2
47	8	2.81	40.2	11.8
45	7	2.81	39.3	11.5
40	4	2.81	37.0	10.8
35	2	2.81	34.7	10.2
30	-1	2.73	32.4	9.5
25	-4	2.65	30.1	8.8
20	-7	2.57	27.7	8.1
17	-8	2.53	26.3	7.7
15	-9	2.51	25.4	7.4
10	-12	2.46	23.1	6.8
5	-15	2.30	20.6	6.0
0	-18	2.15	18.0	5.3
-5	-21	1.99	15.5	4.5
-10	-23	1.83	13.0	3.8
-15	-26	1.68	10.4	3.0
-20	-29	1.52	7.9	2.3

# RATINGS

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

## HPXA15-042 — C26-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	41.9	12.3	2.67	.71	.87	1.00	39.9	11.7	3.04	.73	.89	1.00	37.8	11.1	3.46	.75	.92	1.00	35.6	10.4	3.95	.77	.95	1.00
	1400	660	43.0	12.6	2.68	.75	.92	1.00	41.0	12.0	3.05	.77	.95	1.00	38.9	11.4	3.47	.80	.98	1.00	36.7	10.8	3.96	.83	1.00	1.00
	1600	755	44.0	12.9	2.68	.79	.97	1.00	42.0	12.3	3.05	.82	.99	1.00	40.0	11.7	3.47	.85	1.00	1.00	37.8	11.1	3.97	.88	1.00	1.00
67°F (19°C)	1200	565	44.5	13.0	2.69	.56	.69	.83	42.4	12.4	3.06	.56	.70	.85	40.1	11.8	3.48	.57	.72	.88	37.7	11.0	3.97	.59	.74	.92
	1400	660	45.4	13.3	2.70	.58	.73	.89	43.2	12.7	3.06	.59	.75	.92	40.9	12.0	3.49	.60	.77	.95	38.4	11.3	3.98	.62	.80	.98
	1600	755	46.2	13.5	2.70	.60	.77	.94	43.9	12.9	3.07	.61	.79	.97	41.2	12.2	3.49	.63	.82	.99	39.0	11.4	3.98	.65	.85	1.00
71°F (22°C)	1200	565	47.4	13.9	2.71	.41	.54	.67	45.1	13.2	3.08	.42	.55	.68	42.7	12.5	3.51	.42	.56	.70	40.1	11.8	4.00	.42	.58	.72
	1400	660	48.3	14.2	2.72	.42	.57	.71	46.0	13.5	3.09	.42	.57	.73	43.5	12.7	3.51	.43	.59	.75	40.8	12.0	4.00	.44	.61	.78
	1600	755	49.1	14.4	2.72	.43	.59	.75	46.6	13.7	3.09	.44	.60	.77	44.0	12.9	3.52	.44	.62	.80	41.3	12.1	4.01	.45	.64	.83

## HPXA15-042 — CR26-36 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	38.9	11.4	2.62	.69	.86	.99	37.1	10.9	2.98	.70	.88	1.00	35.2	10.3	3.39	.72	.91	1.00	33.2	9.7	3.86	.75	.94	1.00
	1400	660	39.9	11.7	2.62	.73	.91	1.00	38.1	11.2	2.98	.75	.94	1.00	36.1	10.6	3.39	.77	.97	1.00	34.1	10.0	3.87	.80	.99	1.00
	1600	755	40.8	12.0	2.62	.77	.96	1.00	38.9	11.4	2.99	.79	.99	1.00	37.0	10.8	3.40	.82	1.00	1.00	35.0	10.3	3.88	.86	1.00	1.00
67°F (19°C)	1200	565	41.3	12.1	2.63	.53	.67	.81	39.3	11.5	2.99	.54	.68	.84	37.2	10.9	3.40	.55	.70	.87	35.0	10.3	3.88	.57	.72	.91
	1400	660	42.1	12.3	2.63	.56	.70	.88	40.0	11.7	3.00	.57	.72	.90	37.9	11.1	3.41	.58	.75	.93	35.6	10.4	3.89	.59	.78	.97
	1600	755	42.7	12.5	2.64	.58	.74	.93	40.6	11.9	3.00	.59	.77	.96	38.4	11.3	3.41	.60	.80	.98	36.1	10.6	3.90	.62	.83	1.00
71°F (22°C)	1200	565	43.9	12.9	2.64	.40	.52	.64	41.8	12.3	3.01	.40	.53	.66	39.6	11.6	3.43	.40	.54	.68	37.2	10.9	3.90	.41	.56	.70
	1400	660	44.7	13.1	2.65	.40	.54	.68	42.5	12.5	3.01	.41	.55	.70	40.2	11.8	3.43	.41	.57	.72	37.8	11.1	3.91	.42	.58	.75
	1600	755	45.3	13.3	2.65	.41	.57	.72	43.1	12.6	3.02	.42	.58	.74	40.7	11.9	3.43	.42	.59	.78	38.1	11.2	3.92	.43	.61	.81

## HPXA15-042 - C26-51 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	46.9	13.7	3.09	37.8	11.1	2.94	28.7	8.4	2.80	19.5	5.7	2.47	9.8	2.9	1.86
1400	660	47.0	13.8	2.84	37.9	11.1	2.69	28.8	8.4	2.55	19.6	5.7	2.22	9.9	2.9	1.61
1600	755	47.8	14.0	2.86	38.7	11.3	2.70	29.6	8.7	2.56	20.4	6.0	2.24	10.7	3.1	1.63

## HPXA15-042 - CR26-36 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	50.1	14.7	3.30	40.4	11.8	3.10	30.6	9.0	2.91	20.9	6.1	2.53	10.2	3.0	1.84
1400	660	50.9	14.9	3.28	41.2	12.1	3.08	31.4	9.2	2.90	21.7	6.4	2.51	11.0	3.2	1.83
1600	755	51.2	15.0	3.17	41.5	12.2	2.97	31.7	9.3	2.79	22.0	6.4	2.40	11.3	3.3	1.72

## HPXA15-042 - C26-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.84	47.0	13.8
60	16	2.80	44.7	13.1
55	13	2.76	42.4	12.4
50	10	2.71	40.2	11.8
47	8	2.69	38.8	11.4
45	7	2.69	37.9	11.1
40	4	2.69	35.6	10.4
35	2	2.69	33.4	9.8
30	-1	2.62	31.1	9.1
25	-4	2.55	28.8	8.4
20	-7	2.48	26.5	7.8
17	-8	2.43	25.2	7.4
15	-9	2.42	24.2	7.1
10	-12	2.37	22.0	6.4
5	-15	2.22	19.6	5.7
0	-18	2.07	17.2	5.0
-5	-21	1.92	14.8	4.3
-10	-23	1.76	12.4	3.6
-15	-26	1.61	9.9	2.9
-20	-29	1.46	7.5	2.2

## HPXA15-042 - CR26-36 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.28	50.9	14.9
60	16	3.23	48.5	14.2
55	13	3.17	46.1	13.5
50	10	3.12	43.7	12.8
47	8	3.09	42.2	12.4
45	7	3.08	41.2	12.1
40	4	3.07	38.5	11.3
35	2	3.07	35.9	10.5
30	-1	2.98	33.6	9.8
25	-4	2.90	31.4	9.2
20	-7	2.81	29.1	8.5
17	-8	2.76	27.7	8.1
15	-9	2.74	26.8	7.9
10	-12	2.68	24.4	7.2
5	-15	2.51	21.7	6.4
0	-18	2.34	19.0	5.6
-5	-21	2.17	16.3	4.8
-10	-23	2.00	13.7	4.0
-15	-26	1.83	11.0	3.2
-20	-29	1.66	8.3	2.4

# RATINGS

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

## HPXA15-042 — CR26-48 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	40.7	11.9	2.65	.70	.85	.98	38.9	11.4	3.01	.71	.87	.99	37.0	10.8	3.43	.73	.90	1.00	34.9	10.2	3.92	.75	.93	1.00
	1400	660	41.8	12.3	2.65	.73	.90	1.00	39.9	11.7	3.02	.75	.92	1.00	37.9	11.1	3.44	.77	.95	1.00	35.8	10.5	3.93	.80	.98	1.00
	1600	755	42.6	12.5	2.66	.77	.95	1.00	40.7	11.9	3.03	.79	.97	1.00	38.8	11.4	3.45	.82	.99	1.00	36.8	10.8	3.94	.85	1.00	1.00
67°F (19°C)	1200	565	43.4	12.7	2.67	.55	.68	.81	41.4	12.1	3.03	.55	.69	.84	39.3	11.5	3.46	.56	.71	.86	37.0	10.8	3.94	.58	.73	.89
	1400	660	44.3	13.0	2.67	.57	.71	.87	42.2	12.4	3.04	.58	.73	.89	40.0	11.7	3.46	.59	.75	.92	37.7	11.0	3.96	.60	.78	.95
	1600	755	45.0	13.2	2.68	.59	.75	.92	42.9	12.6	3.05	.60	.77	.94	40.6	11.9	3.47	.61	.79	.97	38.2	11.2	3.96	.63	.82	.99
71°F (22°C)	1200	565	46.2	13.5	2.69	.41	.53	.65	44.1	12.9	3.06	.41	.54	.67	41.9	12.3	3.48	.41	.55	.68	39.5	11.6	3.97	.42	.56	.70
	1400	660	47.1	13.8	2.69	.42	.55	.69	45.0	13.2	3.06	.42	.56	.71	42.6	12.5	3.48	.42	.57	.73	40.1	11.8	3.98	.43	.59	.75
	1600	755	47.8	14.0	2.70	.42	.57	.72	45.6	13.4	3.06	.43	.59	.74	43.2	12.7	3.49	.43	.60	.77	40.6	11.9	3.98	.44	.62	.80

## HPXA15-042 — CR26-60 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	42.3	12.4	2.66	.73	.87	.99	40.3	11.8	3.03	.74	.89	1.00	38.2	11.2	3.45	.76	.92	1.00	36.0	10.6	3.94	.78	.95	1.00
	1400	660	43.4	12.7	2.67	.77	.92	1.00	41.4	12.1	3.04	.78	.94	1.00	39.3	11.5	3.46	.80	.97	1.00	37.1	10.9	3.95	.83	.99	1.00
	1600	755	44.3	13.0	2.67	.80	.97	1.00	42.3	12.4	3.04	.82	.99	1.00	40.3	11.8	3.46	.85	1.00	1.00	38.2	11.2	3.95	.88	1.00	1.00
67°F (19°C)	1200	565	45.0	13.2	2.68	.57	.70	.84	42.8	12.5	3.05	.58	.72	.86	40.6	11.9	3.47	.59	.73	.88	38.2	11.2	3.96	.60	.76	.92
	1400	660	45.9	13.5	2.69	.59	.74	.89	43.7	12.8	3.06	.60	.76	.92	41.4	12.1	3.48	.61	.78	.94	38.9	11.4	3.97	.63	.81	.97
	1600	755	46.7	13.7	2.69	.61	.78	.94	44.4	13.0	3.06	.62	.80	.96	42.0	12.3	3.48	.64	.83	.99	39.5	11.6	3.97	.66	.86	1.00
71°F (22°C)	1200	565	47.9	14.0	2.70	.42	.55	.68	45.7	13.4	3.07	.43	.56	.69	43.2	12.7	3.50	.43	.57	.71	40.7	11.9	3.98	.43	.58	.73
	1400	660	48.9	14.3	2.71	.43	.58	.72	46.5	13.6	3.08	.44	.59	.73	44.0	12.9	3.50	.44	.60	.76	41.4	12.1	3.99	.45	.62	.78
	1600	755	49.6	14.5	2.71	.44	.60	.76	47.2	13.8	3.08	.44	.61	.78	44.6	13.1	3.51	.45	.63	.81	41.9	12.3	4.00	.46	.65	.83

## HPXA15-042 - CR26-48 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	49.1	14.4	3.37	40.0	11.7	3.18	30.9	9.1	3.00	21.5	6.3	2.63	11.0	3.2	1.98
1400	660	48.9	14.3	3.13	39.8	11.7	2.94	30.7	9.0	2.76	21.3	6.2	2.39	10.8	3.2	1.74
1600	755	49.7	14.6	3.11	40.6	11.9	2.92	31.5	9.2	2.74	22.1	6.5	2.37	11.6	3.4	1.72

## HPXA15-042 - CR26-60 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	48.9	14.3	3.15	39.6	11.6	2.99	30.4	8.9	2.83	20.9	6.1	2.50	10.6	3.1	1.89
1400	660	48.9	14.3	2.89	39.6	11.6	2.73	30.4	8.9	2.58	20.9	6.1	2.24	10.6	3.1	1.63
1600	755	49.5	14.5	2.90	40.2	11.8	2.74	31.0	9.1	2.59	21.5	6.3	2.25	11.2	3.3	1.64

## HPXA15-042 - CR26-48 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.13	48.9	14.3
60	16	3.07	46.7	13.7
55	13	3.02	44.4	13.0
50	10	2.97	42.1	12.3
47	8	2.94	40.7	11.9
45	7	2.94	39.8	11.7
40	4	2.93	37.6	11.0
35	2	2.92	35.3	10.3
30	-1	2.84	33.0	9.7
25	-4	2.76	30.7	9.0
20	-7	2.67	28.5	8.4
17	-8	2.62	27.1	7.9
15	-9	2.60	26.2	7.7
10	-12	2.55	23.9	7.0
5	-15	2.39	21.3	6.2
0	-18	2.23	18.6	5.5
-5	-21	2.06	16.0	4.7
-10	-23	1.90	13.4	3.9
-15	-26	1.74	10.8	3.2
-20	-29	1.58	8.1	2.4

## HPXA15-042 - CR26-60 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.89	48.9	14.3
60	16	2.85	46.6	13.7
55	13	2.80	44.2	13.0
50	10	2.76	41.9	12.3
47	8	2.73	40.6	11.9
45	7	2.73	39.6	11.6
40	4	2.73	37.3	10.9
35	2	2.73	35.0	10.3
30	-1	2.65	32.7	9.6
25	-4	2.58	30.4	8.9
20	-7	2.51	28.1	8.2
17	-8	2.46	26.7	7.8
15	-9	2.44	25.8	7.6
10	-12	2.40	23.5	6.9
5	-15	2.24	20.9	6.1
0	-18	2.09	18.3	5.4
-5	-21	1.94	15.7	4.6
-10	-23	1.78	13.2	3.9
-15	-26	1.63	10.6	3.1
-20	-29	1.48	8.0	2.3

# RATINGS

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

## HPXA15-042 — CH23-41 - CH33-42B-2F COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	39.7	11.6	2.61	.70	.87	1.00	37.8	11.1	2.97	.72	.90	1.00	35.9	10.5	3.38	.74	.92	1.00	33.8	9.9	3.86	.76	.95	1.00
	1400	660	40.7	11.9	2.62	.74	.93	1.00	38.8	11.4	2.98	.76	.95	1.00	36.9	10.8	3.39	.79	.98	1.00	34.8	10.2	3.87	.82	1.00	1.00
	1600	755	41.6	12.2	2.62	.79	.98	1.00	39.8	11.7	2.98	.81	.99	1.00	37.9	11.1	3.40	.84	1.00	1.00	35.8	10.5	3.88	.88	1.00	1.00
67°F (19°C)	1200	565	42.0	12.3	2.62	.55	.68	.83	40.0	11.7	2.99	.55	.70	.86	37.8	11.1	3.40	.57	.72	.89	35.5	10.4	3.88	.58	.74	.92
	1400	660	42.8	12.5	2.63	.57	.72	.89	40.7	11.9	2.99	.58	.74	.92	38.5	11.3	3.41	.59	.77	.95	36.2	10.6	3.88	.61	.80	.98
	1600	755	43.5	12.7	2.63	.59	.76	.95	41.4	12.1	3.00	.60	.79	.97	39.1	11.5	3.41	.62	.82	.99	36.7	10.8	3.89	.64	.85	1.00
71°F (22°C)	1200	565	44.7	13.1	2.64	.40	.53	.66	42.5	12.5	3.00	.41	.54	.68	40.2	11.8	3.42	.41	.55	.69	37.7	11.0	3.90	.42	.57	.72
	1400	660	45.4	13.3	2.65	.41	.56	.70	43.3	12.7	3.01	.42	.57	.72	40.9	12.0	3.43	.42	.58	.74	38.3	11.2	3.90	.43	.60	.77
	1600	755	46.0	13.5	2.65	.42	.58	.74	43.8	12.8	3.01	.43	.59	.76	41.4	12.1	3.43	.43	.61	.79	38.7	11.3	3.91	.44	.63	.83

## HPXA15-042 — CH33-48C-2F - CH23-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.9	12.0	2.63	.71	.86	.99	39.1	11.5	3.00	.72	.89	1.00	37.1	10.9	3.41	.74	.91	1.00	35.1	10.3	3.90	.76	.94	1.00
	1400	660	42.0	12.3	2.64	.74	.92	1.00	40.1	11.8	3.00	.76	.95	1.00	38.1	11.2	3.42	.79	.97	1.00	36.1	10.6	3.90	.82	.99	1.00
	1600	755	43.0	12.6	2.64	.79	.97	1.00	41.1	12.0	3.01	.81	.99	1.00	39.1	11.5	3.43	.84	1.00	1.00	37.1	10.9	3.91	.87	1.00	1.00
67°F (19°C)	1200	565	43.4	12.7	2.65	.55	.68	.82	41.3	12.1	3.01	.56	.70	.85	39.3	11.5	3.43	.57	.71	.88	37.0	10.8	3.91	.58	.74	.91
	1400	660	44.2	13.0	2.65	.57	.72	.89	42.2	12.4	3.02	.58	.74	.91	40.0	11.7	3.44	.59	.76	.94	37.7	11.0	3.93	.61	.79	.97
	1600	755	45.0	13.2	2.66	.59	.76	.94	42.9	12.6	3.03	.61	.78	.96	40.6	11.9	3.45	.62	.81	.99	38.2	11.2	3.93	.64	.85	1.00
71°F (22°C)	1200	565	46.2	13.5	2.67	.41	.53	.66	44.0	12.9	3.04	.41	.54	.67	41.8	12.3	3.45	.42	.55	.69	39.4	11.5	3.94	.42	.57	.72
	1400	660	47.0	13.8	2.67	.42	.56	.70	44.8	13.1	3.04	.42	.57	.72	42.5	12.5	3.46	.42	.58	.74	39.9	11.7	3.95	.43	.60	.77
	1600	755	47.7	14.0	2.68	.43	.58	.74	45.5	13.3	3.04	.43	.59	.76	43.0	12.6	3.47	.43	.61	.79	40.5	11.9	3.95	.44	.63	.82

## HPXA15-042 - CH23-41 - CH33-42B-2F HEATING CAPACITY

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	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input		
1200	565	49.2	14.4	3.51	40.1	11.8	3.32	31.0	9.1	3.15	21.6	6.3	2.77	10.9	3.2	2.10	10.9	3.2	2.10		
1400	660	49.1	14.4	3.22	40.0	11.7	3.03	30.9	9.1	2.86	21.5	6.3	2.48	10.8	3.2	1.81	10.8	3.2	1.81		
1600	755	49.8	14.6	3.24	40.7	11.9	3.05	31.6	9.3	2.88	22.2	6.5	2.50	11.5	3.4	1.83	11.5	3.4	1.83		

## HPXA15-042 - CH33-48C-2F - CH23-51 HEATING CAPACITY

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	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input		
1200	565	49.8	14.6	3.39	40.5	11.9	3.22	31.2	9.1	3.06	21.6	6.3	2.70	10.9	3.2	2.04	10.9	3.2	2.04		
1400	660	49.8	14.6	3.12	40.5	11.9	2.95	31.2	9.1	2.79	21.6	6.3	2.43	10.9	3.2	1.76	10.9	3.2	1.76		
1600	755	50.5	14.8	3.14	41.2	12.1	2.97	31.9	9.3	2.81	22.3	6.5	2.45	11.6	3.4	1.78	11.6	3.4	1.78		

## HPXA15-042 - CH23-41 - CH33-42B-2F HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	49.1	14.4
60	16	3.17	46.8	13.7
55	13	3.12	44.6	13.1
50	10	3.07	42.3	12.4
47	8	3.04	40.9	12.0
45	7	3.03	40.0	11.7
40	4	3.03	37.8	11.1
35	2	3.03	35.5	10.4
30	-1	2.94	33.2	9.7
25	-4	2.86	30.9	9.1
20	-7	2.78	28.7	8.4
17	-8	2.73	27.3	8.0
15	-9	2.70	26.4	7.7
10	-12	2.65	24.1	7.1
5	-15	2.48	21.5	6.3
0	-18	2.31	18.8	5.5
-5	-21	2.14	16.1	4.7
-10	-23	1.98	13.5	4.0
-15	-26	1.81	10.8	3.2
-20	-29	1.64	8.2	2.4

## HPXA15-042 - CH33-48C-2F - CH23-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.12	49.8	14.6
60	16	3.07	47.5	13.9
55	13	3.02	45.2	13.2
50	10	2.98	42.9	12.6
47	8	2.95	41.5	12.2
45	7	2.95	40.5	11.9
40	4	2.95	38.2	11.2
35	2	2.95	35.9	10.5
30	-1	2.87	33.6	9.8
25	-4	2.79	31.2	9.1
20	-7	2.71	28.9	8.5
17	-8	2.66	27.5	8.1
15	-9	2.64	26.6	7.8
10	-12	2.59	24.2	7.1
5	-15	2.43	21.6	6.3
0	-18	2.26	18.9	5.5
-5	-21	2.10	16.2	4.7
-10	-23	1.93	13.6	4.0
-15	-26	1.76	10.9	3.2
-20	-29	1.60	8.2	2.4



# RATINGS

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

## HPXA15-042 — CH23-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.8	12.3	2.64	.71	.87	.99	39.9	11.7	3.01	.73	.89	1.00	37.9	11.1	3.43	.75	.91	1.00	35.7	10.5	3.91	.77	.94	1.00
	1400	660	42.9	12.6	2.65	.75	.92	1.00	41.0	12.0	3.02	.77	.95	1.00	38.9	11.4	3.44	.79	.97	1.00	36.7	10.8	3.92	.82	1.00	1.00
	1600	755	43.9	12.9	2.66	.79	.97	1.00	41.9	12.3	3.02	.81	.99	1.00	40.0	11.7	3.44	.84	1.00	1.00	37.9	11.1	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	44.4	13.0	2.66	.55	.69	.83	42.3	12.4	3.03	.56	.70	.85	40.1	11.8	3.45	.57	.72	.88	37.7	11.0	3.94	.59	.74	.91
	1400	660	45.3	13.3	2.67	.58	.73	.89	43.2	12.7	3.04	.59	.75	.91	40.9	12.0	3.46	.60	.77	.94	38.5	11.3	3.94	.62	.80	.97
	1600	755	46.1	13.5	2.67	.60	.77	.94	43.9	12.9	3.04	.61	.79	.97	41.5	12.2	3.46	.63	.82	.99	39.0	11.4	3.95	.64	.85	1.00
71°F (22°C)	1200	565	47.3	13.9	2.68	.41	.54	.66	45.1	13.2	3.05	.42	.55	.68	42.7	12.5	3.47	.42	.56	.70	40.1	11.8	3.96	.42	.58	.72
	1400	660	48.2	14.1	2.69	.42	.56	.71	45.9	13.5	3.06	.43	.58	.72	43.4	12.7	3.48	.43	.59	.74	40.8	12.0	3.97	.44	.61	.77
	1600	755	48.9	14.3	2.69	.43	.59	.75	46.6	13.7	3.06	.44	.60	.77	44.0	12.9	3.48	.44	.62	.80	41.3	12.1	3.97	.45	.64	.83

## HPXA15-048 — CB30M-46 — CB30U-41/46 - CBX32M-042 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	45.2	13.2	2.79	.75	.90	1.00	43.2	12.7	3.17	.77	.92	1.00	41.0	12.0	3.59	.79	.94	1.00	38.6	11.3	4.08	.81	.97	1.00
	1600	755	46.2	13.5	2.79	.79	.94	1.00	44.2	13.0	3.17	.81	.96	1.00	42.0	12.3	3.59	.83	.98	1.00	39.6	11.6	4.09	.85	1.00	1.00
	1800	850	47.1	13.8	2.79	.82	.97	1.00	45.1	13.2	3.17	.84	.99	1.00	42.9	12.6	3.60	.86	1.00	1.00	40.6	11.9	4.09	.89	1.00	1.00
67°F (19°C)	1400	660	47.9	14.0	2.79	.58	.73	.87	45.7	13.4	3.17	.59	.75	.89	43.3	12.7	3.60	.61	.76	.91	40.7	11.9	4.09	.62	.79	.94
	1600	755	48.7	14.3	2.79	.60	.76	.91	46.5	13.6	3.17	.62	.78	.93	44.0	12.9	3.60	.63	.80	.96	41.3	12.1	4.10	.65	.83	.98
	1800	850	49.4	14.5	2.78	.62	.80	.95	47.1	13.8	3.17	.64	.82	.97	44.6	13.1	3.60	.65	.84	.99	41.8	12.3	4.10	.67	.87	1.00
71°F (22°C)	1400	660	51.0	14.9	2.78	.43	.57	.71	48.7	14.3	3.17	.44	.58	.72	46.2	13.5	3.60	.44	.59	.74	43.4	12.7	4.10	.44	.61	.76
	1600	755	51.8	15.2	2.78	.44	.59	.74	49.4	14.5	3.17	.44	.60	.76	46.8	13.7	3.61	.45	.62	.78	43.9	12.9	4.11	.46	.64	.81
	1800	850	52.4	15.4	2.78	.45	.61	.78	50.0	14.7	3.17	.45	.63	.80	47.3	13.9	3.61	.46	.64	.82	44.3	13.0	4.11	.47	.66	.85

## HPXA15-042 - CH23-65 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	49.9	14.6	3.24	40.6	11.9	3.08	31.2	9.1	2.93	21.5	6.3	2.58	11.0	3.2	1.95				
1400	660	49.8	14.6	2.98	40.5	11.9	2.81	31.1	9.1	2.66	21.4	6.3	2.32	10.9	3.2	1.68				
1600	755	50.5	14.8	3.00	41.2	12.1	2.83	31.8	9.3	2.68	22.1	6.5	2.34	11.6	3.4	1.70				

## HPXA15-048 - CB30M-46 — CB30U41/46 - CBX32M-042 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1400	660	55.5	16.3	3.91	45.1	13.2	3.77	34.6	10.1	3.68	24.1	7.1	3.19	12.6	3.7	2.49				
1600	755	54.8	16.1	3.27	44.4	13.0	3.14	33.9	9.9	3.05	23.4	6.9	2.55	11.9	3.5	1.85				
1800	850	56.2	16.5	3.66	45.8	13.4	3.53	35.3	10.3	3.44	24.8	7.3	2.94	13.3	3.9	2.24				

## HPXA15-042 - CH23-65 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	49.8	14.6
60	16	2.93	47.5	13.9
55	13	2.89	45.2	13.2
50	10	2.84	42.8	12.5
47	8	2.81	41.4	12.1
45	7	2.81	40.5	11.9
40	4	2.81	38.2	11.2
35	2	2.81	35.8	10.5
30	-1	2.74	33.5	9.8
25	-4	2.66	31.1	9.1
20	-7	2.59	28.8	8.4
17	-8	2.54	27.4	8.0
15	-9	2.52	26.4	7.7
10	-12	2.48	24.1	7.1
5	-15	2.32	21.4	6.3
0	-18	2.16	18.8	5.5
-5	-21	2.00	16.2	4.7
-10	-23	1.84	13.5	4.0
-15	-26	1.68	10.9	3.2
-20	-29	1.53	8.2	2.4

## HPXA15-048 - CB30M-46-CB30U-41/46-CBX32M-042 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.27	54.8	16.1
60	16	3.22	52.2	15.3
55	13	3.17	49.6	14.5
50	10	3.12	47.0	13.8
47	8	3.09	45.5	13.3
45	7	3.14	44.4	13.0
40	4	3.25	41.6	12.2
35	2	3.36	38.9	11.4
30	-1	3.20	36.4	10.7
25	-4	3.05	33.9	9.9
20	-7	2.89	31.4	9.2
17	-8	2.79	29.9	8.8
15	-9	2.77	28.9	8.5
10	-12	2.72	26.3	7.7
5	-15	2.55	23.4	6.9
0	-18	2.38	20.5	6.0
-5	-21	2.20	17.7	5.2
-10	-23	2.03	14.8	4.3
-15	-26	1.85	11.9	3.5
-20	-29	1.68	9.0	2.6

# RATINGS

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

## HPXA15-048 — CB29M-51 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	46.1	13.5	2.81	.73	.89	1.00	44.0	12.9	3.19	.75	.91	1.00	41.7	12.2	3.62	.77	.93	1.00	39.2	11.5	4.11	.79	.97	1.00
	1600	755	47.0	13.8	2.81	.76	.93	1.00	44.9	13.2	3.19	.78	.95	1.00	42.6	12.5	3.63	.81	.98	1.00	40.2	11.8	4.12	.84	1.00	1.00
	1800	850	48.0	14.1	2.81	.80	.97	1.00	45.8	13.4	3.19	.82	.99	1.00	43.6	12.8	3.63	.85	1.00	1.00	41.2	12.1	4.12	.88	1.00	1.00
67°F (19°C)	1400	660	48.8	14.3	2.81	.57	.71	.85	46.5	13.6	3.20	.58	.72	.88	44.0	12.9	3.63	.59	.74	.90	41.2	12.1	4.13	.60	.77	.93
	1600	755	49.6	14.5	2.81	.59	.74	.90	47.2	13.8	3.20	.60	.76	.93	44.7	13.1	3.63	.61	.78	.95	41.8	12.3	4.13	.63	.82	.98
	1800	850	50.3	14.7	2.81	.61	.78	.94	47.9	14.0	3.20	.62	.80	.96	45.2	13.2	3.64	.63	.83	.99	42.4	12.4	4.14	.65	.86	1.00
71°F (22°C)	1400	660	51.9	15.2	2.81	.42	.55	.69	49.5	14.5	3.20	.42	.56	.70	46.8	13.7	3.64	.43	.57	.72	43.9	12.9	4.14	.43	.59	.75
	1600	755	52.7	15.4	2.80	.43	.57	.72	50.2	14.7	3.20	.43	.59	.74	47.5	13.9	3.64	.43	.60	.76	44.5	13.0	4.14	.44	.62	.79
	1800	850	53.4	15.6	2.80	.43	.59	.76	50.8	14.9	3.20	.44	.61	.78	48.0	14.1	3.64	.44	.62	.81	44.9	13.2	4.15	.45	.64	.84

## HPXA15-048 — CB29M-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	45.9	13.5	2.81	.73	.89	1.00	43.8	12.8	3.19	.75	.91	1.00	41.5	12.2	3.62	.77	.94	1.00	39.1	11.5	4.11	.79	.97	1.00
	1600	755	46.9	13.7	2.81	.76	.93	1.00	44.8	13.1	3.19	.79	.95	1.00	42.5	12.5	3.63	.81	.98	1.00	40.0	11.7	4.12	.84	1.00	1.00
	1800	850	47.8	14.0	2.81	.80	.97	1.00	45.7	13.4	3.19	.82	.99	1.00	43.5	12.7	3.63	.85	1.00	1.00	41.1	12.0	4.12	.88	1.00	1.00
67°F (19°C)	1400	660	48.6	14.2	2.81	.57	.71	.85	46.3	13.6	3.20	.58	.72	.87	43.9	12.9	3.63	.59	.74	.90	41.1	12.0	4.13	.60	.77	.93
	1600	755	49.4	14.5	2.81	.59	.74	.90	47.1	13.8	3.20	.60	.76	.92	44.6	13.1	3.63	.61	.78	.95	41.7	12.2	4.13	.63	.82	.98
	1800	850	50.1	14.7	2.81	.61	.78	.94	47.7	14.0	3.20	.62	.80	.96	45.1	13.2	3.64	.63	.83	.99	42.2	12.4	4.14	.65	.86	1.00
71°F (22°C)	1400	660	51.8	15.2	2.81	.42	.55	.69	49.3	14.4	3.20	.42	.56	.70	46.7	13.7	3.64	.43	.57	.72	43.8	12.8	4.14	.43	.59	.75
	1600	755	52.6	15.4	2.80	.43	.57	.72	50.1	14.7	3.20	.43	.58	.74	47.4	13.9	3.64	.44	.60	.76	44.4	13.0	4.14	.44	.62	.79
	1800	850	53.2	15.6	2.80	.43	.60	.75	50.7	14.9	3.20	.44	.61	.78	47.9	14.0	3.64	.45	.62	.80	44.7	13.1	4.15	.45	.65	.84

## HPXA15-048 - CB29M-51 HEATING CAPACITY

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				
1400	660	55.4	16.2	3.95	45.3	13.3	3.83	35.2	10.3	3.77	24.8	7.3	3.27	12.6	3.7	2.53
1600	755	55.1	16.1	3.36	45.0	13.2	3.24	34.9	10.2	3.18	24.5	7.2	2.68	12.3	3.6	1.94
1800	850	56.0	16.4	3.68	45.9	13.5	3.57	35.8	10.5	3.50	25.4	7.4	3.01	13.2	3.9	2.27

## HPXA15-048 - CB29M-65 HEATING CAPACITY

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				
1400	660	55.9	16.4	4.03	45.8	13.4	3.91	35.6	10.4	3.85	25.2	7.4	3.35	13.1	3.8	2.61
1600	755	55.1	16.1	3.36	45.0	13.2	3.24	34.8	10.2	3.18	24.4	7.2	2.68	12.3	3.6	1.94
1800	850	56.5	16.6	3.76	46.4	13.6	3.64	36.2	10.6	3.58	25.8	7.6	3.08	13.7	4.0	2.34

## HPXA15-048 - CB29M-51 HEATING PERFORMANCE

at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.36	55.1	16.1
60	16	3.31	52.6	15.4
55	13	3.27	50.1	14.7
50	10	3.22	47.6	14.0
47	8	3.20	46.1	13.5
45	7	3.24	45.0	13.2
40	4	3.37	42.3	12.4
35	2	3.49	39.6	11.6
30	-1	3.33	37.2	10.9
25	-4	3.18	34.9	10.2
20	-7	3.02	32.5	9.5
17	-8	2.93	31.0	9.1
15	-9	2.91	30.0	8.8
10	-12	2.86	27.5	8.1
5	-15	2.68	24.5	7.2
0	-18	2.50	21.4	6.3
-5	-21	2.31	18.4	5.4
-10	-23	2.13	15.4	4.5
-15	-26	1.94	12.3	3.6
-20	-29	1.76	9.3	2.7

## HPXA15-048 - CB29M-65 HEATING PERFORMANCE

at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.36	55.1	16.1
60	16	3.31	52.6	15.4
55	13	3.27	50.1	14.7
50	10	3.22	47.5	13.9
47	8	3.20	46.0	13.5
45	7	3.24	45.0	13.2
40	4	3.37	42.3	12.4
35	2	3.49	39.6	11.6
30	-1	3.33	37.2	10.9
25	-4	3.18	34.8	10.2
20	-7	3.02	32.4	9.5
17	-8	2.93	31.0	9.1
15	-9	2.91	30.0	8.8
10	-12	2.86	27.5	8.1
5	-15	2.68	24.4	7.2
0	-18	2.50	21.4	6.3
-5	-21	2.31	18.4	5.4
-10	-23	2.13	15.4	4.5
-15	-26	1.94	12.3	3.6
-20	-29	1.76	9.3	2.7

# RATINGS

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

## HPXA15-048 — CB30M-51 — CB30U-51 - CBX32M-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.7	13.7	2.83	.73	.88	1.00	44.5	13.0	3.22	.74	.91	1.00	42.2	12.4	3.65	.76	.94	1.00	39.7	11.6	4.16	.79	.97	1.00
	1600	755	47.7	14.0	2.83	.76	.93	1.00	45.5	13.3	3.22	.78	.96	1.00	43.2	12.7	3.66	.81	.98	1.00	40.8	12.0	4.16	.83	1.00	1.00
	1800	850	48.7	14.3	2.83	.80	.97	1.00	46.5	13.6	3.22	.82	.99	1.00	44.3	13.0	3.65	.85	1.00	1.00	41.9	12.3	4.16	.88	1.00	1.00
67°F (19°C)	1400	660	49.6	14.5	2.82	.57	.70	.85	47.3	13.9	3.22	.57	.72	.87	44.7	13.1	3.66	.59	.74	.90	42.0	12.3	4.16	.60	.76	.94
	1600	755	50.5	14.8	2.83	.59	.74	.90	48.1	14.1	3.22	.60	.76	.92	45.5	13.3	3.66	.61	.78	.95	42.6	12.5	4.17	.63	.81	.98
	1800	850	51.2	15.0	2.83	.60	.77	.94	48.8	14.3	3.22	.62	.80	.97	46.1	13.5	3.66	.63	.82	.99	43.2	12.7	4.17	.65	.86	1.00
71°F (22°C)	1400	660	52.9	15.5	2.82	.42	.55	.68	50.4	14.8	3.22	.42	.56	.70	47.7	14.0	3.67	.43	.57	.72	44.7	13.1	4.18	.43	.59	.74
	1600	755	53.8	15.8	2.82	.43	.57	.72	51.2	15.0	3.23	.43	.58	.74	48.4	14.2	3.67	.43	.60	.76	45.4	13.3	4.18	.44	.61	.79
	1800	850	54.5	16.0	2.82	.43	.59	.75	51.8	15.2	3.22	.44	.61	.77	49.0	14.4	3.67	.44	.62	.80	45.8	13.4	4.18	.45	.64	.83

## HPXA15-048 — CB31MV-51 - CBX32MV-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.8	14.0	2.84	.73	.88	1.00	45.6	13.4	3.23	.74	.90	1.00	43.3	12.7	3.67	.77	.93	1.00	40.8	12.0	4.18	.79	.96	1.00
	1600	755	48.8	14.3	2.84	.77	.93	1.00	46.6	13.7	3.23	.78	.95	1.00	44.3	13.0	3.67	.81	.97	1.00	41.8	12.3	4.18	.83	1.00	1.00
	1800	850	49.8	14.6	2.84	.80	.97	1.00	47.6	14.0	3.23	.82	.99	1.00	45.3	13.3	3.67	.84	1.00	1.00	43.0	12.6	4.18	.87	1.00	1.00
67°F (19°C)	1400	660	50.8	14.9	2.84	.57	.71	.85	48.4	14.2	3.24	.58	.72	.87	45.9	13.5	3.68	.59	.74	.89	43.1	12.6	4.19	.60	.76	.93
	1600	755	51.7	15.2	2.84	.59	.74	.89	49.3	14.4	3.24	.60	.76	.92	46.6	13.7	3.69	.61	.78	.94	43.8	12.8	4.19	.63	.81	.97
	1800	850	52.4	15.4	2.84	.61	.78	.94	50.0	14.7	3.24	.62	.80	.96	47.3	13.9	3.68	.63	.82	.98	44.4	13.0	4.19	.65	.85	1.00
71°F (22°C)	1400	660	54.1	15.9	2.83	.42	.55	.68	51.6	15.1	3.24	.43	.56	.70	48.9	14.3	3.69	.43	.57	.72	46.0	13.5	4.20	.43	.59	.74
	1600	755	55.0	16.1	2.83	.43	.57	.72	52.4	15.4	3.24	.43	.59	.74	49.7	14.6	3.69	.44	.60	.76	46.7	13.7	4.20	.44	.61	.79
	1800	850	55.7	16.3	2.83	.44	.59	.75	53.1	15.6	3.24	.44	.61	.77	50.3	14.7	3.69	.45	.62	.80	47.2	13.8	4.20	.45	.64	.83

## HPXA15-048 - CB30M-51 —CB30U-51 - CBX32M-048 HEATING CAPACITY

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			
1400	660	53.5	15.7	3.61	43.7	12.8	3.50	33.8	9.9	3.43	23.8	7.0	2.98	12.4	3.6	2.31				
1600	755	52.8	15.5	3.06	43.0	12.6	2.95	33.1	9.7	2.88	23.1	6.8	2.43	11.7	3.4	1.76				
1800	850	54.2	15.9	3.38	44.4	13.0	3.27	34.5	10.1	3.21	24.5	7.2	2.75	13.1	3.8	2.08				

## HPXA15-048 - CB31MV-51 - CBX32MV-048 HEATING CAPACITY

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
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW					
1400	660	54.8	16.1	3.66	44.6	13.1	3.56	34.4	10.1	3.50	24.0	7.0	3.05	12.5	3.7	2.38				
1600	755	54.2	15.9	3.06	44.0	12.9	2.96	33.8	9.9	2.90	23.4	6.9	2.45	11.9	3.5	1.77				
1800	850	55.4	16.2	3.43	45.2	13.2	3.33	35.0	10.3	3.27	24.6	7.2	2.82	13.1	3.8	2.14				

## HPXA15-048 - CB30M-51 - CB30U-51 - CBX32M-048 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	52.8	15.5
60	16	3.02	50.4	14.8
55	13	2.97	47.9	14.0
50	10	2.93	45.5	13.3
47	8	2.91	44.0	12.9
45	7	2.95	43.0	12.6
40	4	3.06	40.4	11.8
35	2	3.17	37.8	11.1
30	-1	3.03	35.4	10.4
25	-4	2.88	33.1	9.7
20	-7	2.74	30.8	9.0
17	-8	2.65	29.4	8.6
15	-9	2.63	28.4	8.3
10	-12	2.59	25.9	7.6
5	-15	2.43	23.1	6.8
0	-18	2.26	20.2	5.9
-5	-21	2.09	17.4	5.1
-10	-23	1.93	14.5	4.2
-15	-26	1.76	11.7	3.4
-20	-29	1.59	8.8	2.6

## HPXA15-048 - CB31MV-51 - CBX32MV-048 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	54.2	15.9
60	16	3.02	51.7	15.2
55	13	2.98	49.1	14.4
50	10	2.94	46.6	13.7
47	8	2.91	45.1	13.2
45	7	2.96	44.0	12.9
40	4	3.07	41.3	12.1
35	2	3.18	38.6	11.3
30	-1	3.04	36.2	10.6
25	-4	2.90	33.8	9.9
20	-7	2.76	31.3	9.2
17	-8	2.67	29.9	8.8
15	-9	2.66	28.9	8.5
10	-12	2.62	26.3	7.7
5	-15	2.45	23.4	6.9
0	-18	2.28	20.5	6.0
-5	-21	2.11	17.6	5.2
-10	-23	1.94	14.8	4.3
-15	-26	1.77	11.9	3.5
-20	-29	1.60	9.0	2.6

# RATINGS

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

## HPXA15-048 — CB30M-65 — CB30U-65 - CBX32M-060 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	48.3	14.2	2.83	.73	.88	1.00	46.0	13.5	3.22	.75	.91	1.00	43.7	12.8	3.66	.77	.93	1.00	41.1	12.0	4.16	.79	.96	1.00
	1600	755	49.3	14.4	2.83	.77	.93	1.00	47.1	13.8	3.23	.78	.95	1.00	44.7	13.1	3.66	.81	.98	1.00	42.2	12.4	4.17	.83	1.00	1.00
	1800	850	50.3	14.7	2.83	.80	.97	1.00	48.0	14.1	3.22	.82	.99	1.00	45.8	13.4	3.66	.85	1.00	1.00	43.4	12.7	4.17	.87	1.00	1.00
67°F (19°C)	1400	660	51.3	15.0	2.83	.57	.71	.85	48.9	14.3	3.23	.58	.72	.87	46.3	13.6	3.67	.59	.74	.90	43.4	12.7	4.18	.60	.77	.93
	1600	755	52.2	15.3	2.83	.59	.74	.90	49.7	14.6	3.23	.60	.76	.92	47.1	13.8	3.67	.61	.78	.95	44.2	13.0	4.18	.63	.81	.98
	1800	850	52.9	15.5	2.83	.61	.78	.94	50.4	14.8	3.23	.62	.80	.96	47.7	14.0	3.67	.63	.82	.99	44.8	13.1	4.18	.65	.85	1.00
71°F (22°C)	1400	660	54.7	16.0	2.82	.42	.55	.68	52.1	15.3	3.23	.43	.56	.70	49.3	14.4	3.68	.43	.57	.72	46.4	13.6	4.19	.43	.59	.74
	1600	755	55.6	16.3	2.83	.43	.57	.72	52.9	15.5	3.23	.43	.59	.74	50.1	14.7	3.68	.44	.60	.76	47.0	13.8	4.19	.44	.62	.79
	1800	850	56.3	16.5	2.82	.44	.60	.76	53.6	15.7	3.23	.44	.61	.77	50.7	14.9	3.68	.45	.62	.80	47.5	13.9	4.19	.46	.64	.83

## HPXA15-048 — CB31MV-65 - CBX32MV-060 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	49.2	14.4	2.83	.76	.91	1.00	46.9	13.7	3.22	.78	.93	1.00	44.5	13.0	3.66	.80	.96	1.00	41.9	12.3	4.16	.82	.98	1.00
	1600	755	50.3	14.7	2.83	.80	.96	1.00	48.0	14.1	3.22	.82	.98	1.00	45.5	13.3	3.66	.84	1.00	1.00	43.0	12.6	4.16	.86	1.00	1.00
	1800	850	51.3	15.0	2.83	.83	.99	1.00	49.0	14.4	3.22	.85	1.00	1.00	46.6	13.7	3.66	.87	1.00	1.00	44.2	13.0	4.16	.91	1.00	1.00
67°F (19°C)	1400	660	52.3	15.3	2.83	.59	.74	.88	49.8	14.6	3.23	.60	.75	.90	47.1	13.8	3.67	.61	.78	.92	44.2	13.0	4.18	.63	.80	.96
	1600	755	53.2	15.6	2.83	.61	.77	.92	50.7	14.9	3.23	.62	.79	.95	48.0	14.1	3.67	.64	.81	.97	45.0	13.2	4.17	.65	.84	1.00
	1800	850	54.0	15.8	2.83	.63	.81	.97	51.4	15.1	3.23	.65	.83	.99	48.6	14.2	3.67	.66	.85	1.00	45.6	13.4	4.18	.68	.88	1.00
71°F (22°C)	1400	660	55.8	16.4	2.82	.44	.58	.71	53.1	15.6	3.23	.44	.59	.73	50.3	14.7	3.68	.45	.60	.75	47.2	13.8	4.18	.45	.61	.77
	1600	755	56.7	16.6	2.82	.45	.60	.75	53.9	15.8	3.23	.45	.61	.77	51.0	14.9	3.68	.46	.63	.79	47.9	14.0	4.19	.46	.64	.82
	1800	850	57.4	16.8	2.82	.45	.62	.79	54.6	16.0	3.23	.46	.64	.81	51.6	15.1	3.68	.47	.65	.83	48.4	14.2	4.19	.47	.67	.86

## HPXA15-048 - CB30M-65 — CB30U-65 - CBX32M-060 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	55.2	16.2	3.82	45.2	13.2	3.72	35.1	10.3	3.66	24.8	7.3	3.20	13.0	3.8	2.51
1600	755	54.2	15.9	3.11	44.2	13.0	3.01	34.1	10.0	2.95	23.8	7.0	2.49	12.0	3.5	1.80
1800	850	55.8	16.4	3.57	45.8	13.4	3.47	35.7	10.5	3.41	25.4	7.4	2.95	13.6	4.0	2.26

## HPXA15-048 - CB31MV-65 - CBX32MV-060 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	55.9	16.4	3.83	44.8	13.1	3.53	33.7	9.9	3.21	22.9	6.7	2.87	11.5	3.4	2.13
1600	755	56.2	16.5	3.69	45.1	13.2	3.39	34.0	10.0	3.07	23.2	6.8	2.73	11.8	3.5	1.99
1800	850	55.4	16.2	3.12	44.3	13.0	2.82	33.2	9.7	2.51	22.4	6.6	2.16	11.0	3.2	1.43

## HPXA15-048 - CB30M-65 - CB30U-65 - CBX32M-060 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	54.2	15.9
60	16	3.07	51.7	15.2
55	13	3.03	49.2	14.4
50	10	2.99	46.7	13.7
47	8	2.97	45.2	13.2
45	7	3.01	44.2	13.0
40	4	3.13	41.5	12.2
35	2	3.24	38.8	11.4
30	-1	3.10	36.4	10.7
25	-4	2.95	34.1	10.0
20	-7	2.80	31.7	9.3
17	-8	2.72	30.2	8.9
15	-9	2.70	29.2	8.6
10	-12	2.66	26.7	7.8
5	-15	2.49	23.8	7.0
0	-18	2.32	20.8	6.1
-5	-21	2.15	17.9	5.2
-10	-23	1.97	15.0	4.4
-15	-26	1.80	12.0	3.5
-20	-29	1.63	9.1	2.7

## HPXA15-048 - CB31MV-65 - CBX32MV-060 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.69	56.2	16.5
60	16	3.62	53.4	15.6
55	13	3.55	50.7	14.9
50	10	3.48	48.0	14.1
47	8	3.43	46.3	13.6
45	7	3.39	45.1	13.2
40	4	3.27	42.1	12.3
35	2	3.15	39.1	11.5
30	-1	3.11	36.5	10.7
25	-4	3.07	34.0	10.0
20	-7	3.03	31.4	9.2
17	-8	3.01	29.9	8.8
15	-9	2.98	28.8	8.4
10	-12	2.91	26.1	7.6
5	-15	2.73	23.2	6.8
0	-18	2.54	20.4	6.0
-5	-21	2.36	17.5	5.1
-10	-23	2.18	14.7	4.3
-15	-26	1.99	11.8	3.5
-20	-29	1.81	9.0	2.6

# RATINGS

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

## HPXA15-048 — CVP10-46/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	44.1	12.9	2.82	.72	.88	1.00	42.1	12.3	3.20	.73	.90	1.00	39.9	11.7	3.62	.75	.93	1.00	37.5	11.0	4.12	.78	.96	1.00
	1600	755	45.0	13.2	2.81	.75	.93	1.00	43.0	12.6	3.19	.77	.95	1.00	40.9	12.0	3.62	.80	.98	1.00	38.5	11.3	4.12	.83	1.00	1.00
	1800	850	46.0	13.5	2.81	.79	.97	1.00	43.9	12.9	3.20	.81	.99	1.00	41.8	12.3	3.63	.84	1.00	1.00	39.5	11.6	4.13	.87	1.00	1.00
67°F (19°C)	1400	660	46.7	13.7	2.81	.56	.69	.84	44.5	13.0	3.20	.56	.71	.87	42.1	12.3	3.63	.58	.73	.89	39.5	11.6	4.13	.59	.75	.93
	1600	755	47.5	13.9	2.81	.58	.73	.89	45.2	13.2	3.20	.59	.75	.92	42.8	12.5	3.63	.60	.77	.95	40.1	11.8	4.13	.62	.80	.98
	1800	850	48.1	14.1	2.81	.59	.77	.94	45.9	13.5	3.20	.61	.79	.96	43.4	12.7	3.63	.62	.82	.99	40.6	11.9	4.14	.64	.85	1.00
71°F (22°C)	1400	660	49.7	14.6	2.81	.41	.54	.67	47.3	13.9	3.20	.41	.55	.69	44.8	13.1	3.64	.42	.56	.71	42.0	12.3	4.14	.42	.58	.73
	1600	755	50.4	14.8	2.81	.42	.56	.71	48.1	14.1	3.20	.42	.57	.72	45.5	13.3	3.64	.43	.59	.75	42.6	12.5	4.14	.43	.60	.78
	1800	850	51.1	15.0	2.81	.43	.58	.74	48.7	14.3	3.20	.43	.60	.76	46.0	13.5	3.64	.44	.61	.79	43.1	12.6	4.14	.44	.63	.83

## HPXA15-048 — CVP10-51/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	44.8	13.1	2.72	.69	.86	1.00	42.8	12.5	3.10	.71	.89	1.00	40.6	11.9	3.52	.73	.92	1.00	38.3	11.2	4.00	.76	.95	1.00
	1600	755	45.8	13.4	2.72	.73	.92	1.00	43.8	12.8	3.10	.75	.94	1.00	41.6	12.2	3.52	.77	.97	1.00	39.2	11.5	4.00	.80	1.00	1.00
	1800	850	46.8	13.7	2.72	.77	.96	1.00	44.7	13.1	3.10	.79	.98	1.00	42.6	12.5	3.52	.82	1.00	1.00	40.3	11.8	4.00	.85	1.00	1.00
67°F (19°C)	1400	660	47.6	14.0	2.72	.54	.67	.82	45.4	13.3	3.10	.55	.69	.85	43.1	12.6	3.52	.56	.70	.88	40.4	11.8	4.01	.57	.73	.91
	1600	755	48.5	14.2	2.72	.56	.70	.88	46.2	13.5	3.10	.57	.72	.90	43.8	12.8	3.53	.58	.75	.94	41.1	12.0	4.02	.59	.78	.97
	1800	850	49.2	14.4	2.72	.58	.74	.92	46.9	13.7	3.11	.59	.76	.95	44.4	13.0	3.53	.60	.79	.98	41.7	12.2	4.02	.62	.83	1.00
71°F (22°C)	1400	660	50.7	14.9	2.72	.40	.52	.65	48.4	14.2	3.10	.40	.53	.66	45.9	13.5	3.53	.41	.55	.68	43.1	12.6	4.03	.41	.56	.70
	1600	755	51.6	15.1	2.72	.41	.54	.68	49.2	14.4	3.10	.41	.56	.70	46.6	13.7	3.54	.42	.57	.72	43.7	12.8	4.03	.42	.59	.75
	1800	850	52.3	15.3	2.72	.41	.57	.72	49.8	14.6	3.11	.42	.58	.74	47.1	13.8	3.54	.42	.59	.77	44.2	13.0	4.03	.43	.61	.80

## HPXA15-048 - CVP10-46/EC10Q4 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1400	660	56.0	16.4	3.43	44.9	13.2	3.14	33.6	9.8	2.86	22.9	6.7	2.42	10.9	3.2	1.66				
1600	755	57.4	16.8	3.82	46.3	13.6	3.53	35.0	10.3	3.25	24.3	7.1	2.81	12.3	3.6	2.05				
1800	850	57.7	16.9	3.71	46.6	13.7	3.42	35.3	10.3	3.14	24.6	7.2	2.70	12.6	3.7	1.94				

## HPXA15-048 - CVP10-51/EC10Q4 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1400	660	54.4	15.9	3.28	44.1	12.9	3.00	33.8	9.9	2.73	23.4	6.9	2.31	11.9	3.5	1.59				
1600	755	54.3	15.9	3.65	44.0	12.9	3.37	33.7	9.9	3.10	23.3	6.8	2.68	11.8	3.5	1.96				
1800	850	54.6	16.0	3.55	44.3	13.0	3.28	34.0	10.0	3.01	23.6	6.9	2.58	12.1	3.5	1.86				

## HPXA15-048 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.82	57.4	16.8
60	16	3.75	54.7	16.0
55	13	3.67	51.9	15.2
50	10	3.60	49.2	14.4
47	8	3.55	47.5	13.9
45	7	3.53	46.3	13.6
40	4	3.49	43.1	12.6
35	2	3.44	39.9	11.7
30	-1	3.34	37.4	11.0
25	-4	3.25	35.0	10.3
20	-7	3.16	32.6	9.6
17	-8	3.10	31.1	9.1
15	-9	3.07	30.0	8.8
10	-12	3.00	27.3	8.0
5	-15	2.81	24.3	7.1
0	-18	2.62	21.3	6.2
-5	-21	2.43	18.3	5.4
-10	-23	2.24	15.3	4.5
-15	-26	2.05	12.3	3.6
-20	-29	1.86	9.3	2.7

## HPXA15-048 - CVP10-51/EC10Q4 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.65	54.3	15.9
60	16	3.57	51.7	15.2
55	13	3.50	49.2	14.4
50	10	3.43	46.6	13.7
47	8	3.39	45.1	13.2
45	7	3.37	44.0	12.9
40	4	3.32	41.4	12.1
35	2	3.28	38.7	11.3
30	-1	3.19	36.2	10.6
25	-4	3.10	33.7	9.9
20	-7	3.01	31.2	9.1
17	-8	2.96	29.7	8.7
15	-9	2.93	28.7	8.4
10	-12	2.86	26.2	7.7
5	-15	2.68	23.3	6.8
0	-18	2.50	20.4	6.0
-5	-21	2.32	17.5	5.1
-10	-23	2.14	14.7	4.3
-15	-26	1.96	11.8	3.5
-20	-29	1.78	8.9	2.6

# RATINGS

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

## HPXA15-048 — C26-51 - C33-60D COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.7	13.7	2.82	.74	.89	1.00	44.6	13.1	3.21	.76	.91	1.00	42.3	12.4	3.65	.78	.94	1.00	39.8	11.7	4.15	.80	.96	1.00
	1600	755	47.7	14.0	2.82	.78	.93	1.00	45.6	13.4	3.21	.79	.96	1.00	43.3	12.7	3.65	.82	.98	1.00	40.9	12.0	4.15	.84	1.00	1.00
	1800	850	48.7	14.3	2.82	.81	.97	1.00	46.6	13.7	3.21	.83	.99	1.00	44.4	13.0	3.65	.85	1.00	1.00	42.0	12.3	4.15	.88	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.82	.58	.72	.86	47.2	13.8	3.21	.59	.73	.88	44.7	13.1	3.66	.60	.75	.90	42.0	12.3	4.16	.61	.78	.93
	1600	755	50.4	14.8	2.82	.60	.75	.90	48.0	14.1	3.22	.61	.77	.93	45.5	13.3	3.66	.62	.79	.95	42.7	12.5	4.16	.64	.82	.98
	1800	850	51.1	15.0	2.82	.62	.79	.95	48.7	14.3	3.22	.63	.81	.97	46.1	13.5	3.66	.64	.84	.99	43.3	12.7	4.16	.66	.86	1.00
71°F (22°C)	1400	660	52.7	15.4	2.82	.43	.56	.70	50.3	14.7	3.22	.43	.57	.71	47.6	14.0	3.66	.43	.58	.73	44.7	13.1	4.17	.44	.60	.75
	1600	755	53.6	15.7	2.81	.43	.58	.73	51.1	15.0	3.22	.44	.59	.75	48.3	14.2	3.67	.44	.61	.77	45.4	13.3	4.17	.45	.63	.80
	1800	850	54.3	15.9	2.82	.44	.61	.77	51.7	15.2	3.22	.45	.62	.79	48.9	14.3	3.66	.45	.64	.81	45.9	13.5	4.17	.46	.66	.84

## HPXA15-048 — C26-65EAP COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	48.1	14.1	2.83	.74	.89	1.00	45.9	13.5	3.22	.76	.91	1.00	43.5	12.7	3.66	.78	.94	1.00	40.9	12.0	4.16	.80	.97	1.00
	1600	755	49.2	14.4	2.83	.78	.93	1.00	46.9	13.7	3.22	.79	.96	1.00	44.5	13.0	3.66	.82	.98	1.00	42.1	12.3	4.16	.84	1.00	1.00
	1800	850	50.2	14.7	2.83	.81	.97	1.00	48.0	14.1	3.22	.83	.99	1.00	45.7	13.4	3.66	.86	1.00	1.00	43.3	12.7	4.16	.89	1.00	1.00
67°F (19°C)	1400	660	51.0	14.9	2.83	.58	.72	.86	48.7	14.3	3.22	.58	.73	.88	46.1	13.5	3.67	.60	.75	.90	43.3	12.7	4.17	.61	.78	.94
	1600	755	52.0	15.2	2.83	.60	.75	.90	49.5	14.5	3.23	.61	.77	.93	46.9	13.7	3.67	.62	.79	.95	44.0	12.9	4.17	.64	.82	.98
	1800	850	52.8	15.5	2.82	.62	.79	.95	50.2	14.7	3.22	.63	.81	.97	47.5	13.9	3.67	.65	.84	.99	44.6	13.1	4.18	.66	.86	1.00
71°F (22°C)	1400	660	54.4	15.9	2.82	.43	.56	.69	51.8	15.2	3.23	.43	.57	.71	49.1	14.4	3.68	.43	.58	.73	46.1	13.5	4.18	.44	.60	.75
	1600	755	55.3	16.2	2.82	.44	.58	.73	52.7	15.4	3.23	.44	.59	.75	49.9	14.6	3.67	.44	.61	.77	46.8	13.7	4.18	.45	.63	.80
	1800	850	56.0	16.4	2.82	.44	.61	.77	53.4	15.6	3.23	.45	.62	.79	50.5	14.8	3.68	.45	.64	.81	47.3	13.9	4.19	.46	.66	.84

## HPXA15-048 - C26-51 - C33-60D HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	54.5	16.0	3.71	44.4	13.0	3.60	34.3	10.1	3.54	24.1	7.1	3.08	12.5	3.7	2.40
1600	755	53.8	15.8	3.11	43.7	12.8	3.00	33.6	9.8	2.94	23.4	6.9	2.48	11.8	3.5	1.80
1800	850	55.1	16.1	3.47	45.0	13.2	3.37	34.9	10.2	3.31	24.7	7.2	2.85	13.1	3.8	2.16

## HPXA15-048 - C26-65EAP HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	54.6	16.0	3.65	44.5	13.0	3.55	34.4	10.1	3.48	24.1	7.1	3.03	12.5	3.7	2.36
1600	755	53.9	15.8	3.06	43.8	12.8	2.96	33.7	9.9	2.89	23.4	6.9	2.44	11.8	3.5	1.77
1800	850	55.2	16.2	3.42	45.1	13.2	3.32	35.0	10.3	3.25	24.7	7.2	2.80	13.1	3.8	2.13

## HPXA15-048 - C26-51 - C33-60D HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.11	53.8	15.8
60	16	3.06	51.3	15.0
55	13	3.02	48.8	14.3
50	10	2.98	46.3	13.6
47	8	2.96	44.8	13.1
45	7	3.00	43.7	12.8
40	4	3.12	41.0	12.0
35	2	3.23	38.4	11.3
30	-1	3.09	36.0	10.6
25	-4	2.94	33.6	9.8
20	-7	2.80	31.2	9.1
17	-8	2.71	29.8	8.7
15	-9	2.70	28.8	8.4
10	-12	2.65	26.3	7.7
5	-15	2.48	23.4	6.9
0	-18	2.31	20.5	6.0
-5	-21	2.14	17.6	5.2
-10	-23	1.97	14.7	4.3
-15	-26	1.80	11.8	3.5
-20	-29	1.63	8.9	2.6

## HPXA15-048 - C26-65EAP HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.06	53.9	15.8
60	16	3.02	51.4	15.1
55	13	2.98	48.9	14.3
50	10	2.94	46.4	13.6
47	8	2.91	44.9	13.2
45	7	2.96	43.8	12.8
40	4	3.07	41.1	12.0
35	2	3.18	38.4	11.3
30	-1	3.04	36.1	10.6
25	-4	2.89	33.7	9.9
20	-7	2.75	31.3	9.2
17	-8	2.67	29.8	8.7
15	-9	2.65	28.8	8.4
10	-12	2.61	26.3	7.7
5	-15	2.44	23.4	6.9
0	-18	2.27	20.5	6.0
-5	-21	2.11	17.6	5.2
-10	-23	1.94	14.7	4.3
-15	-26	1.77	11.8	3.5
-20	-29	1.60	8.9	2.6

# RATINGS

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

## HPXA15-048 — CR26-48 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	45.1	13.2	2.82	.73	.88	.99	43.1	12.6	3.20	.74	.90	1.00	40.9	12.0	3.62	.76	.92	1.00	38.5	11.3	4.12	.79	.95	1.00
	1600	755	46.1	13.5	2.81	.76	.92	1.00	44.0	12.9	3.20	.78	.94	1.00	41.8	12.3	3.62	.80	.96	1.00	39.3	11.5	4.12	.83	.99	1.00
	1800	850	47.0	13.8	2.81	.79	.95	1.00	44.9	13.2	3.19	.81	.97	1.00	42.6	12.5	3.63	.83	.99	1.00	40.3	11.8	4.12	.87	1.00	1.00
67°F (19°C)	1400	660	48.0	14.1	2.81	.57	.70	.84	45.8	13.4	3.20	.57	.72	.87	43.3	12.7	3.63	.59	.74	.89	40.7	11.9	4.13	.60	.76	.92
	1600	755	48.8	14.3	2.81	.58	.74	.89	46.5	13.6	3.20	.59	.75	.91	44.0	12.9	3.63	.61	.77	.94	41.3	12.1	4.13	.62	.80	.97
	1800	850	49.4	14.5	2.81	.60	.77	.93	47.1	13.8	3.20	.61	.79	.95	44.6	13.1	3.63	.63	.81	.97	41.8	12.3	4.14	.64	.84	.99
71°F (22°C)	1400	660	51.1	15.0	2.81	.42	.55	.68	48.7	14.3	3.20	.42	.56	.70	46.2	13.5	3.64	.43	.57	.71	43.4	12.7	4.14	.43	.58	.74
	1600	755	51.9	15.2	2.81	.43	.57	.71	49.5	14.5	3.20	.43	.58	.73	46.8	13.7	3.64	.44	.59	.75	44.0	12.9	4.14	.44	.61	.78
	1800	850	52.5	15.4	2.81	.43	.59	.74	50.1	14.7	3.20	.44	.60	.77	47.4	13.9	3.64	.44	.62	.79	44.4	13.0	4.15	.45	.64	.82

## HPXA15-048 — CR26-60 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	47.1	13.8	2.83	.74	.89	1.00	45.0	13.2	3.21	.76	.91	1.00	42.7	12.5	3.65	.77	.93	1.00	40.2	11.8	4.15	.80	.96	1.00
	1600	755	48.2	14.1	2.83	.77	.93	1.00	46.0	13.5	3.22	.79	.95	1.00	43.7	12.8	3.65	.81	.98	1.00	41.2	12.1	4.15	.84	1.00	1.00
	1800	850	49.1	14.4	2.82	.81	.97	1.00	47.0	13.8	3.22	.83	.99	1.00	44.7	13.1	3.65	.85	1.00	1.00	42.3	12.4	4.15	.88	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.82	.58	.72	.86	47.7	14.0	3.22	.59	.73	.88	45.2	13.2	3.66	.60	.75	.90	42.4	12.4	4.16	.61	.78	.93
	1600	755	50.9	14.9	2.82	.60	.75	.90	48.5	14.2	3.22	.61	.77	.92	45.9	13.5	3.66	.62	.79	.95	43.1	12.6	4.17	.64	.82	.98
	1800	850	51.6	15.1	2.82	.62	.79	.94	49.2	14.4	3.22	.63	.81	.96	46.6	13.7	3.67	.64	.83	.98	43.7	12.8	4.17	.66	.86	1.00
71°F (22°C)	1400	660	53.3	15.6	2.82	.43	.56	.69	50.9	14.9	3.22	.43	.57	.71	48.2	14.1	3.67	.43	.58	.73	45.2	13.2	4.17	.44	.60	.75
	1600	755	54.2	15.9	2.82	.43	.58	.73	51.7	15.2	3.22	.44	.59	.75	48.9	14.3	3.67	.44	.61	.77	45.9	13.5	4.17	.45	.62	.80
	1800	850	54.9	16.1	2.82	.44	.60	.76	52.2	15.3	3.22	.45	.62	.78	49.4	14.5	3.67	.45	.63	.81	46.4	13.6	4.18	.46	.65	.84

## HPXA15-048 - CR26-48 HEATING CAPACITY

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
1400	660	54.9	16.1	4.09	45.0	13.2	3.95	34.9	10.2	3.86	24.7	7.2	3.35	12.9	3.8	2.63				
1600	755	54.0	15.8	3.36	44.1	12.9	3.22	34.0	10.0	3.13	23.8	7.0	2.63	12.0	3.5	1.91				
1800	850	55.5	16.3	3.82	45.6	13.4	3.68	35.5	10.4	3.59	25.3	7.4	3.09	13.5	4.0	2.37				

## HPXA15-048 - CR26-60 HEATING CAPACITY

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
1400	660	55.3	16.2	3.58	45.1	13.2	3.63	34.8	10.2	3.71	24.5	7.2	3.40	12.7	3.7	2.60				
1600	755	54.6	16.0	2.98	44.4	13.0	3.03	34.1	10.0	3.11	23.8	7.0	2.80	12.0	3.5	2.00				
1800	850	56.0	16.4	3.35	45.8	13.4	3.40	35.5	10.4	3.48	25.2	7.4	3.17	13.4	3.9	2.37				

## HPXA15-048 - CR26-48 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.36	54.0	15.8
60	16	3.31	51.6	15.1
55	13	3.26	49.1	14.4
50	10	3.21	46.6	13.7
47	8	3.18	45.1	13.2
45	7	3.22	44.1	12.9
40	4	3.34	41.4	12.1
35	2	3.46	38.8	11.4
30	-1	3.30	36.4	10.7
25	-4	3.13	34.0	10.0
20	-7	2.97	31.7	9.3
17	-8	2.88	30.3	8.9
15	-9	2.86	29.3	8.6
10	-12	2.80	26.8	7.9
5	-15	2.63	23.8	7.0
0	-18	2.45	20.9	6.1
-5	-21	2.27	17.9	5.2
-10	-23	2.09	15.0	4.4
-15	-26	1.91	12.0	3.5
-20	-29	1.73	9.1	2.7

## HPXA15-048 - CR26-60 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	54.6	16.0
60	16	2.98	52.1	15.3
55	13	2.98	49.5	14.5
50	10	2.99	47.0	13.8
47	8	2.99	45.5	13.3
45	7	3.03	44.4	13.0
40	4	3.14	41.7	12.2
35	2	3.26	39.0	11.4
30	-1	3.18	36.6	10.7
25	-4	3.11	34.1	10.0
20	-7	3.04	31.7	9.3
17	-8	3.00	30.3	8.9
15	-9	3.00	29.3	8.6
10	-12	3.00	26.7	7.8
5	-15	2.80	23.8	7.0
0	-18	2.60	20.8	6.1
-5	-21	2.40	17.9	5.2
-10	-23	2.20	15.0	4.4
-15	-26	2.00	12.0	3.5
-20	-29	1.80	9.1	2.7

# RATINGS

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

## HPXA15-048 — CH33-44B-2F - CH33-50C-2F - CH23-65 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	45.9	13.5	2.82	.73	.89	1.00	43.8	12.8	3.20	.75	.91	1.00	41.4	12.1	3.64	.76	.94	1.00	38.9	11.4	4.14	.79	.98	1.00
	1600	755	46.9	13.7	2.82	.76	.94	1.00	44.8	13.1	3.21	.79	.96	1.00	42.4	12.4	3.64	.81	.99	1.00	40.0	11.7	4.14	.84	1.00	1.00
	1800	850	47.9	14.0	2.82	.80	.98	1.00	45.8	13.4	3.21	.83	.99	1.00	43.5	12.7	3.64	.85	1.00	1.00	41.1	12.0	4.14	.89	1.00	1.00
67°F (19°C)	1400	660	48.5	14.2	2.82	.56	.71	.86	46.2	13.5	3.21	.57	.72	.88	43.7	12.8	3.64	.58	.74	.91	40.9	12.0	4.15	.60	.77	.95
	1600	755	49.4	14.5	2.82	.59	.74	.91	47.0	13.8	3.21	.60	.76	.93	44.4	13.0	3.65	.61	.79	.96	41.6	12.2	4.15	.63	.82	.99
	1800	850	50.1	14.7	2.81	.61	.78	.95	47.7	14.0	3.21	.62	.80	.98	45.0	13.2	3.65	.63	.83	.99	42.1	12.3	4.16	.66	.87	1.00
71°F (22°C)	1400	660	51.7	15.2	2.81	.42	.55	.68	49.2	14.4	3.21	.42	.56	.70	46.5	13.6	3.65	.42	.57	.72	43.5	12.7	4.16	.43	.59	.75
	1600	755	52.5	15.4	2.81	.42	.57	.72	50.0	14.7	3.21	.43	.58	.74	47.1	13.8	3.66	.43	.60	.76	44.1	12.9	4.16	.44	.62	.79
	1800	850	53.1	15.6	2.81	.43	.60	.76	50.5	14.8	3.21	.44	.61	.78	47.6	14.0	3.66	.44	.63	.81	44.6	13.1	4.16	.45	.65	.84

## HPXA15-048 — CH23-68 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 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	48.8	14.3	2.83	.75	.90	1.00	46.5	13.6	3.23	.77	.92	1.00	44.0	12.9	3.67	.79	.95	1.00	41.4	12.1	4.17	.81	.98	1.00
	1600	755	49.9	14.6	2.83	.79	.95	1.00	47.6	14.0	3.23	.81	.97	1.00	45.2	13.2	3.67	.83	.99	1.00	42.7	12.5	4.17	.86	1.00	1.00
	1800	850	51.0	14.9	2.83	.83	.99	1.00	48.8	14.3	3.23	.85	1.00	1.00	46.5	13.6	3.67	.87	1.00	1.00	43.9	12.9	4.17	.90	1.00	1.00
67°F (19°C)	1400	660	51.8	15.2	2.83	.58	.73	.87	49.3	14.4	3.23	.59	.74	.89	46.6	13.7	3.67	.61	.77	.92	43.7	12.8	4.18	.62	.79	.95
	1600	755	52.8	15.5	2.83	.61	.77	.92	50.2	14.7	3.23	.62	.79	.94	47.5	13.9	3.67	.63	.81	.97	44.4	13.0	4.18	.65	.84	1.00
	1800	850	53.6	15.7	2.83	.63	.80	.96	50.9	14.9	3.23	.64	.83	.98	48.1	14.1	3.68	.66	.85	1.00	45.1	13.2	4.18	.68	.88	1.00
71°F (22°C)	1400	660	55.2	16.2	2.82	.43	.57	.70	52.5	15.4	3.23	.44	.58	.72	49.7	14.6	3.68	.44	.59	.74	46.5	13.6	4.19	.45	.61	.77
	1600	755	56.1	16.4	2.82	.44	.59	.74	53.4	15.6	3.23	.44	.60	.76	50.4	14.8	3.68	.45	.62	.79	47.2	13.8	4.19	.46	.64	.82
	1800	850	56.8	16.6	2.82	.45	.62	.78	54.0	15.8	3.23	.46	.63	.80	51.0	14.9	3.68	.46	.65	.83	47.7	14.0	4.20	.47	.67	.86

## HPXA15-048 - CH33-44B-2F - CH33-50C-2F - CH23-65 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	56.5	16.6	3.89	46.2	13.5	3.79	35.9	10.5	3.73	25.4	7.4	3.25	13.2	3.9	2.53
1600	755	55.7	16.3	3.26	45.4	13.3	3.15	35.1	10.3	3.09	24.6	7.2	2.61	12.4	3.6	1.89
1800	850	57.1	16.7	3.64	46.8	13.7	3.54	36.5	10.7	3.48	26.0	7.6	3.00	13.8	4.0	2.28

## HPXA15-048 - CH23-68 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	56.7	16.6	3.66	44.4	13.0	3.37	32.0	9.4	3.08	20.6	6.0	2.74	10.5	3.1	2.03
1600	755	57.1	16.7	3.54	44.8	13.1	3.25	32.4	9.5	2.96	21.0	6.2	2.62	10.9	3.2	1.91
1800	850	56.4	16.5	3.02	44.1	12.9	2.73	31.7	9.3	2.44	20.3	5.9	2.10	10.2	3.0	1.39

## HPXA15-048 - CH33-44B-2F - CH33-50C-2F - CH23-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.26	55.7	16.3
60	16	3.21	53.2	15.6
55	13	3.17	50.6	14.8
50	10	3.13	48.1	14.1
47	8	3.10	46.5	13.6
45	7	3.15	45.4	13.3
40	4	3.27	42.7	12.5
35	2	3.39	40.0	11.7
30	-1	3.24	37.5	11.0
25	-4	3.09	35.1	10.3
20	-7	2.94	32.7	9.6
17	-8	2.85	31.2	9.1
15	-9	2.83	30.2	8.9
10	-12	2.79	27.6	8.1
5	-15	2.61	24.6	7.2
0	-18	2.43	21.5	6.3
-5	-21	2.25	18.5	5.4
-10	-23	2.07	15.4	4.5
-15	-26	1.89	12.4	3.6
-20	-29	1.71	9.4	2.8

## HPXA15-048 - CH23-68 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.54	57.1	16.7
60	16	3.47	54.0	15.8
55	13	3.40	51.0	14.9
50	10	3.33	47.9	14.0
47	8	3.29	46.1	13.5
45	7	3.25	44.8	13.1
40	4	3.15	41.5	12.2
35	2	3.04	38.2	11.2
30	-1	3.00	35.3	10.3
25	-4	2.96	32.4	9.5
20	-7	2.91	29.6	8.7
17	-8	2.89	27.8	8.1
15	-9	2.86	26.6	7.8
10	-12	2.79	23.6	6.9
5	-15	2.62	21.0	6.2
0	-18	2.44	18.5	5.4
-5	-21	2.26	16.0	4.7
-10	-23	2.09	13.4	3.9
-15	-26	1.91	10.9	3.2
-20	-29	1.73	8.4	2.5



# RATINGS

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

## HPXA15-060 — CB31MV-51 - CBX32MV-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	54.1	15.9	3.95	.70	.86	.99	51.7	15.2	4.47	.72	.88	1.00	49.0	14.4	5.06	.74	.91	1.00	46.1	13.5	5.76	.76	.94	1.00
	1950	920	55.1	16.1	3.96	.73	.90	1.00	52.6	15.4	4.48	.75	.92	1.00	49.8	14.6	5.08	.77	.95	1.00	46.9	13.7	5.76	.80	.98	1.00
	2150	1015	56.0	16.4	3.97	.76	.93	1.00	53.4	15.6	4.49	.78	.96	1.00	50.6	14.8	5.08	.80	.98	1.00	47.9	14.0	5.77	.84	1.00	1.00
67°F (19°C)	1750	825	57.4	16.8	3.98	.55	.68	.82	54.7	16.0	4.51	.56	.69	.85	51.8	15.2	5.10	.57	.71	.88	48.7	14.3	5.79	.58	.74	.91
	1950	920	58.2	17.1	3.99	.56	.71	.86	55.5	16.3	4.51	.57	.72	.89	52.5	15.4	5.11	.58	.75	.92	49.2	14.4	5.80	.60	.77	.95
	2150	1015	59.0	17.3	3.99	.58	.73	.90	56.1	16.4	4.52	.59	.76	.93	53.0	15.5	5.12	.60	.78	.96	49.8	14.6	5.81	.62	.81	.99
71°F (22°C)	1750	825	61.1	17.9	4.02	.41	.53	.66	58.2	17.1	4.54	.41	.54	.67	55.1	16.1	5.14	.41	.55	.69	51.7	15.2	5.83	.42	.57	.71
	1950	920	62.0	18.2	4.03	.41	.55	.68	59.0	17.3	4.54	.42	.56	.70	55.8	16.4	5.15	.42	.57	.72	52.2	15.3	5.85	.43	.59	.75
	2150	1015	62.7	18.4	4.03	.42	.56	.71	59.6	17.5	4.56	.42	.58	.73	56.3	16.5	5.16	.43	.59	.76	52.7	15.4	5.85	.43	.61	.79

## HPXA15-060 — CB31MV-65 - CBX32MV-060 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	54.6	16.0	3.96	.70	.86	.99	52.0	15.2	4.47	.72	.88	1.00	49.3	14.4	5.06	.74	.91	1.00	46.3	13.6	5.75	.76	.95	1.00
	1950	920	55.5	16.3	3.96	.73	.90	1.00	52.9	15.5	4.48	.75	.92	1.00	50.1	14.7	5.07	.77	.95	1.00	47.2	13.8	5.76	.80	.98	1.00
	2150	1015	56.4	16.5	3.96	.76	.93	1.00	53.8	15.8	4.49	.78	.96	1.00	51.0	14.9	5.08	.80	.98	1.00	48.1	14.1	5.77	.83	1.00	1.00
67°F (19°C)	1750	825	57.9	17.0	3.98	.55	.68	.82	55.1	16.1	4.50	.56	.69	.85	52.1	15.3	5.10	.57	.71	.88	48.9	14.3	5.78	.58	.74	.91
	1950	920	58.7	17.2	3.99	.56	.71	.86	55.8	16.4	4.51	.57	.72	.89	52.8	15.5	5.10	.58	.75	.92	49.5	14.5	5.80	.60	.78	.95
	2150	1015	59.4	17.4	3.99	.58	.73	.90	56.5	16.6	4.51	.59	.75	.93	53.4	15.6	5.12	.60	.78	.96	50.0	14.7	5.81	.62	.81	.99
71°F (22°C)	1750	825	61.6	18.1	4.01	.41	.53	.66	58.6	17.2	4.54	.41	.54	.67	55.4	16.2	5.14	.41	.55	.69	51.9	15.2	5.83	.42	.57	.71
	1950	920	62.5	18.3	4.02	.41	.55	.68	59.4	17.4	4.55	.42	.56	.70	56.1	16.4	5.14	.42	.57	.72	52.5	15.4	5.85	.43	.59	.75
	2150	1015	63.1	18.5	4.03	.42	.56	.71	60.0	17.6	4.55	.42	.58	.73	56.6	16.6	5.16	.43	.59	.76	53.0	15.5	5.85	.44	.61	.79

## HPXA15-060 - CB31MV-51 - CBX32MV-048 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1800	850	69.8	20.5	4.90	55.3	16.2	4.46	40.7	11.9	4.04	27.0	7.9	3.42	13.7	4.0	2.55				
2000	945	70.1	20.5	4.76	55.6	16.3	4.32	41.0	12.0	3.90	27.3	8.0	3.28	14.0	4.1	2.41				
2200	1040	70.3	20.6	4.65	55.8	16.4	4.21	41.2	12.1	3.79	27.5	8.1	3.17	14.2	4.2	2.30				

## HPXA15-060 - CB31MV-65 - CBX32MV-060 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1800	850	70.3	20.6	4.98	56.0	16.4	4.53	41.6	12.2	4.08	27.8	8.1	3.50	14.1	4.1	2.61				
2000	945	70.5	20.7	4.84	56.2	16.5	4.39	41.8	12.3	3.94	28.0	8.2	3.36	14.3	4.2	2.47				
2200	1040	70.8	20.7	4.73	56.5	16.6	4.28	42.1	12.3	3.83	28.3	8.3	3.25	14.6	4.3	2.36				

## HPXA15-060 - CB31MV-51 - CBX32MV-048 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.76	70.1	20.5
60	16	4.65	66.5	19.5
55	13	4.53	62.9	18.4
50	10	4.42	59.3	17.4
47	8	4.35	57.2	16.8
45	7	4.32	55.6	16.3
40	4	4.27	51.6	15.1
35	2	4.21	47.5	13.9
30	-1	4.06	44.3	13.0
25	-4	3.90	41.0	12.0
20	-7	3.75	37.7	11.0
17	-8	3.66	35.7	10.5
15	-9	3.61	34.3	10.1
10	-12	3.50	30.7	9.0
5	-15	3.28	27.3	8.0
0	-18	3.06	24.0	7.0
-5	-21	2.85	20.7	6.1
-10	-23	2.63	17.4	5.1
-15	-26	2.41	14.0	4.1
-20	-29	2.20	10.7	3.1

## HPXA15-060 - CB31MV-65 - CBX32MV-060 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.84	70.5	20.7
60	16	4.73	67.0	19.6
55	13	4.61	63.4	18.6
50	10	4.50	59.9	17.6
47	8	4.43	57.7	16.9
45	7	4.39	56.2	16.5
40	4	4.29	52.3	15.3
35	2	4.19	48.4	14.2
30	-1	4.07	45.1	13.2
25	-4	3.94	41.8	12.3
20	-7	3.82	38.4	11.3
17	-8	3.75	36.4	10.7
15	-9	3.70	35.0	10.3
10	-12	3.59	31.4	9.2
5	-15	3.36	28.0	8.2
0	-18	3.14	24.6	7.2
-5	-21	2.92	21.2	6.2
-10	-23	2.70	17.8	5.2
-15	-26	2.47	14.3	4.2
-20	-29	2.25	10.9	3.2

# RATINGS

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

## HPXA15-060 — CB30M-51 — CB30U-51 - CBX32M-048 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	55.3	16.2	3.97	.74	.89	1.00	52.5	15.4	4.49	.76	.91	1.00	49.5	14.5	5.08	.78	.94	1.00	46.2	13.5	5.76	.81	.97	1.00
	1950	920	56.3	16.5	3.97	.77	.92	1.00	53.4	15.6	4.50	.79	.95	1.00	50.4	14.8	5.09	.81	.97	1.00	47.2	13.8	5.77	.84	1.00	1.00
	2150	1015	57.2	16.8	3.98	.79	.96	1.00	54.3	15.9	4.50	.82	.98	1.00	51.3	15.0	5.10	.84	1.00	1.00	48.2	14.1	5.79	.88	1.00	1.00
67°F (19°C)	1750	825	58.6	17.2	4.00	.57	.72	.86	55.6	16.3	4.52	.58	.73	.88	52.3	15.3	5.11	.60	.76	.91	48.6	14.2	5.80	.61	.78	.95
	1950	920	59.4	17.4	4.00	.59	.74	.89	56.3	16.5	4.52	.60	.76	.92	52.9	15.5	5.12	.62	.79	.95	49.1	14.4	5.81	.63	.82	.98
	2150	1015	60.1	17.6	4.01	.61	.77	.93	56.9	16.7	4.53	.62	.80	.95	53.5	15.7	5.13	.64	.82	.98	49.7	14.6	5.81	.66	.86	1.00
71°F (22°C)	1750	825	62.4	18.3	4.03	.43	.56	.69	59.1	17.3	4.55	.43	.57	.71	55.6	16.3	5.15	.43	.58	.73	51.6	15.1	5.84	.44	.60	.76
	1950	920	63.2	18.5	4.04	.43	.58	.72	59.8	17.5	4.56	.44	.59	.74	56.1	16.4	5.16	.44	.60	.77	52.2	15.3	5.84	.45	.63	.80
	2150	1015	63.9	18.7	4.04	.44	.59	.75	60.4	17.7	4.57	.44	.61	.77	56.7	16.6	5.16	.45	.63	.80	52.6	15.4	5.85	.46	.65	.84

## HPXA15-060 — CB30M-65 — CB30U-65 - CBX32M-060 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	57.1	16.7	3.99	.74	.88	.99	54.5	16.0	4.51	.75	.90	1.00	51.7	15.2	5.10	.77	.92	1.00	48.6	14.2	5.80	.80	.95	1.00
	1950	920	58.2	17.1	3.99	.76	.91	1.00	55.5	16.3	4.52	.78	.93	1.00	52.6	15.4	5.12	.80	.96	1.00	49.5	14.5	5.81	.83	.98	1.00
	2150	1015	59.1	17.3	4.00	.79	.94	1.00	56.3	16.5	4.53	.81	.96	1.00	53.4	15.6	5.13	.83	.99	1.00	50.5	14.8	5.82	.86	1.00	1.00
67°F (19°C)	1750	825	60.6	17.8	4.01	.58	.71	.85	57.7	16.9	4.54	.59	.73	.87	54.7	16.0	5.14	.60	.75	.89	51.3	15.0	5.83	.61	.77	.92
	1950	920	61.5	18.0	4.02	.59	.74	.88	58.5	17.1	4.55	.60	.76	.91	55.4	16.2	5.15	.61	.78	.93	51.9	15.2	5.85	.63	.81	.96
	2150	1015	62.2	18.2	4.03	.61	.77	.92	59.2	17.3	4.55	.62	.79	.94	56.0	16.4	5.16	.63	.81	.96	52.5	15.4	5.86	.65	.84	.99
71°F (22°C)	1750	825	64.5	18.9	4.05	.43	.56	.69	61.4	18.0	4.58	.43	.57	.71	58.1	17.0	5.18	.44	.58	.73	54.5	16.0	5.88	.44	.60	.75
	1950	920	65.4	19.2	4.05	.43	.58	.72	62.2	18.2	4.59	.44	.59	.74	58.8	17.2	5.19	.44	.60	.76	55.1	16.1	5.90	.45	.62	.78
	2150	1015	66.1	19.4	4.06	.44	.59	.75	62.9	18.4	4.59	.44	.61	.76	59.3	17.4	5.20	.45	.62	.79	55.6	16.3	5.90	.46	.64	.82

## HPXA15-060 - CB30M-51 — CB30U-51 - CBX32M-048 - HEATING CAPACITY

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	kW
1800	850	70.8	20.7	4.64	54.5	16.0	4.52	37.3	10.9	4.44	27.0	7.9	3.98	13.6	4.0	3.02					
2000	945	71.3	20.9	4.10	55.0	16.1	3.99	37.8	11.1	3.90	27.5	8.1	3.44	14.1	4.1	2.48					
2200	1040	71.6	21.0	4.01	55.3	16.2	3.89	38.1	11.2	3.81	27.8	8.1	3.35	14.4	4.2	2.39					

## HPXA15-060 - CB30M-65 — CB30U-65 - CBX32M-060 HEATING CAPACITY

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	kW
1800	850	69.5	20.4	4.80	56.8	16.6	4.61	44.0	12.9	4.46	31.0	9.1	3.93	16.0	4.7	3.01					
2000	945	68.9	20.2	4.23	56.2	16.5	4.04	43.4	12.7	3.89	30.4	8.9	3.36	15.4	4.5	2.44					
2200	1040	70.1	20.5	4.55	57.4	16.8	4.37	44.6	13.1	4.21	31.6	9.3	3.68	16.6	4.9	2.76					

## HPXA15-060 - CB30M-51 - CB30U-51 - CBX32M-048 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.10	71.3	20.9
60	16	4.06	67.6	19.8
55	13	4.03	63.9	18.7
50	10	3.99	60.3	17.7
47	8	3.96	58.0	17.0
45	7	3.99	55.0	16.1
40	4	4.05	47.5	13.9
35	2	4.11	40.0	11.7
30	-1	4.00	38.9	11.4
25	-4	3.90	37.8	11.1
20	-7	3.80	36.7	10.8
17	-8	3.73	36.0	10.6
15	-9	3.72	34.5	10.1
10	-12	3.68	30.9	9.1
5	-15	3.44	27.5	8.1
0	-18	3.20	24.2	7.1
-5	-21	2.96	20.8	6.1
-10	-23	2.72	17.5	5.1
-15	-26	2.48	14.1	4.1
-20	-29	2.24	10.8	3.2

## HPXA15-060 - CB30M-65 - CB30U-65 - CBX32M-060 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.23	68.9	20.2
60	16	4.17	65.8	19.3
55	13	4.11	62.6	18.3
50	10	4.05	59.5	17.4
47	8	4.02	57.6	16.9
45	7	4.04	56.2	16.5
40	4	4.10	52.7	15.4
35	2	4.15	49.2	14.4
30	-1	4.02	46.3	13.6
25	-4	3.89	43.4	12.7
20	-7	3.75	40.4	11.8
17	-8	3.67	38.6	11.3
15	-9	3.65	37.4	11.0
10	-12	3.59	34.2	10.0
5	-15	3.36	30.4	8.9
0	-18	3.13	26.7	7.8
-5	-21	2.90	22.9	6.7
-10	-23	2.67	19.1	5.6
-15	-26	2.44	15.4	4.5
-20	-29	2.20	11.6	3.4

# RATINGS

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

## HPXA15-060 — CVP10-51/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	52.3	15.3	3.93	.71	.87	.99	49.9	14.6	4.45	.73	.89	1.00	47.3	13.9	5.04	.75	.91	1.00	44.5	13.0	5.71	.77	.95	1.00
	1950	920	53.3	15.6	3.94	.74	.90	1.00	50.8	14.9	4.45	.75	.92	1.00	48.2	14.1	5.04	.78	.95	1.00	45.3	13.3	5.73	.81	.98	1.00
	2150	1015	54.1	15.9	3.94	.76	.94	1.00	51.6	15.1	4.46	.78	.96	1.00	49.0	14.4	5.05	.81	.98	1.00	46.2	13.5	5.74	.84	1.00	1.00
67°F (19°C)	1750	825	55.5	16.3	3.95	.55	.69	.83	52.8	15.5	4.48	.56	.70	.85	49.9	14.6	5.07	.57	.72	.88	46.9	13.7	5.75	.59	.74	.91
	1950	920	56.2	16.5	3.96	.57	.71	.87	53.5	15.7	4.48	.58	.73	.89	50.6	14.8	5.07	.59	.75	.92	47.5	13.9	5.76	.61	.78	.95
	2150	1015	56.9	16.7	3.97	.58	.74	.91	54.2	15.9	4.49	.59	.76	.93	51.2	15.0	5.08	.61	.79	.96	48.0	14.1	5.76	.63	.82	.98
71°F (22°C)	1750	825	59.0	17.3	3.98	.41	.54	.66	56.1	16.4	4.51	.42	.55	.68	53.1	15.6	5.11	.42	.56	.70	49.8	14.6	5.79	.42	.57	.72
	1950	920	59.8	17.5	4.00	.42	.55	.69	56.9	16.7	4.52	.42	.57	.71	53.8	15.8	5.11	.42	.58	.73	50.4	14.8	5.80	.43	.59	.76
	2150	1015	60.4	17.7	4.00	.42	.57	.72	57.4	16.8	4.52	.43	.58	.74	54.3	15.9	5.12	.43	.60	.76	50.9	14.9	5.81	.44	.61	.79

## HPXA15-060 — CVP10-65/EC10Q4 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	56.6	16.6	3.99	.75	.89	.99	54.0	15.8	4.51	.76	.91	1.00	51.3	15.0	5.10	.78	.93	1.00	48.5	14.2	5.79	.81	.96	1.00
	1950	920	57.6	16.9	3.99	.78	.93	1.00	55.0	16.1	4.51	.79	.95	1.00	52.3	15.3	5.11	.81	.97	1.00	49.4	14.5	5.81	.84	.99	1.00
	2150	1015	58.6	17.2	4.00	.80	.95	1.00	56.0	16.4	4.52	.82	.97	1.00	53.3	15.6	5.12	.84	.99	1.00	50.4	14.8	5.81	.87	1.00	1.00
67°F (19°C)	1750	825	59.8	17.5	4.00	.58	.73	.86	57.1	16.7	4.54	.59	.74	.88	54.1	15.9	5.14	.60	.76	.90	50.9	14.9	5.83	.61	.78	.93
	1950	920	60.7	17.8	4.02	.60	.75	.90	57.9	17.0	4.54	.61	.77	.92	54.9	16.1	5.14	.62	.79	.94	51.6	15.1	5.84	.64	.82	.97
	2150	1015	61.5	18.0	4.02	.62	.78	.93	58.6	17.2	4.55	.63	.80	.95	55.5	16.3	5.15	.64	.82	.97	52.2	15.3	5.84	.66	.85	.99
71°F (22°C)	1750	825	63.7	18.7	4.04	.43	.57	.70	60.7	17.8	4.57	.43	.57	.72	57.5	16.9	5.17	.44	.59	.74	54.1	15.9	5.87	.44	.60	.76
	1950	920	64.5	18.9	4.04	.44	.58	.73	61.4	18.0	4.58	.44	.60	.75	58.2	17.1	5.18	.45	.61	.77	54.7	16.0	5.88	.45	.63	.80
	2150	1015	65.2	19.1	4.05	.44	.60	.76	62.1	18.2	4.58	.45	.62	.78	58.8	17.2	5.19	.45	.63	.80	55.2	16.2	5.88	.46	.65	.83

## HPXA15-060 - CVP10-51/EC10Q4 HEATING CAPACITY

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						
1800	850	69.4	20.3	4.45	55.1	16.1	4.02	40.7	11.9	3.60	27.1	7.9	3.00	13.2	3.9	2.13				
2000	945	70.8	20.7	4.74	56.5	16.6	4.31	42.1	12.3	3.88	28.5	8.4	3.28	14.6	4.3	2.41				
2200	1040	71.1	20.8	4.63	56.8	16.6	4.20	42.4	12.4	3.78	28.8	8.4	3.18	14.9	4.4	2.31				

## HPXA15-060 - CVP10-65/EC10Q4 HEATING CAPACITY

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						
1800	850	69.4	20.3	4.73	56.4	16.5	4.54	43.3	12.7	4.38	30.3	8.9	3.85	15.6	4.6	2.95				
2000	945	68.8	20.2	4.17	55.8	16.4	3.98	42.7	12.5	3.82	29.7	8.7	3.29	15.0	4.4	2.39				
2200	1040	70.0	20.5	4.49	57.0	16.7	4.30	43.9	12.9	4.14	30.9	9.1	3.61	16.2	4.7	2.71				

## HPXA15-060 - CVP10-51/EC10Q4 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.74	70.8	20.7
60	16	4.63	67.3	19.7
55	13	4.51	63.8	18.7
50	10	4.40	60.2	17.6
47	8	4.33	58.1	17.0
45	7	4.31	56.5	16.6
40	4	4.24	52.6	15.4
35	2	4.17	48.6	14.2
30	-1	4.03	45.4	13.3
25	-4	3.88	42.1	12.3
20	-7	3.74	38.9	11.4
17	-8	3.66	36.9	10.8
15	-9	3.61	35.5	10.4
10	-12	3.50	32.0	9.4
5	-15	3.28	28.5	8.4
0	-18	3.07	25.0	7.3
-5	-21	2.85	21.5	6.3
-10	-23	2.63	18.0	5.3
-15	-26	2.41	14.6	4.3
-20	-29	2.20	11.1	3.3

## HPXA15-060 - CVP10-65/EC10Q4 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.17	68.8	20.2
60	16	4.11	65.6	19.2
55	13	4.05	62.3	18.3
50	10	3.99	59.1	17.3
47	8	3.96	57.2	16.8
45	7	3.98	55.8	16.4
40	4	4.03	52.2	15.3
35	2	4.08	48.7	14.3
30	-1	3.95	45.7	13.4
25	-4	3.82	42.7	12.5
20	-7	3.68	39.7	11.6
17	-8	3.60	37.9	11.1
15	-9	3.58	36.6	10.7
10	-12	3.52	33.4	9.8
5	-15	3.29	29.7	8.7
0	-18	3.06	26.0	7.6
-5	-21	2.84	22.4	6.6
-10	-23	2.61	18.7	5.5
-15	-26	2.39	15.0	4.4
-20	-29	2.16	11.4	3.3

# RATINGS

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

## HPXA15-060 — C33-62D - C26-65EAP COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	57.1	16.7	3.98	.74	.88	1.00	54.4	15.9	4.50	.75	.90	1.00	51.5	15.1	5.10	.77	.93	1.00	48.4	14.2	5.79	.79	.96	1.00
	1950	920	58.1	17.0	3.99	.76	.92	1.00	55.4	16.2	4.51	.78	.94	1.00	52.5	15.4	5.11	.80	.96	1.00	49.4	14.5	5.80	.83	.99	1.00
	2150	1015	59.1	17.3	4.00	.79	.95	1.00	56.3	16.5	4.52	.81	.97	1.00	53.4	15.6	5.12	.83	.99	1.00	50.4	14.8	5.81	.86	1.00	1.00
67°F (19°C)	1750	825	60.5	17.7	4.01	.57	.71	.85	57.6	16.9	4.53	.58	.73	.87	54.4	15.9	5.13	.59	.75	.90	51.0	14.9	5.83	.61	.77	.93
	1950	920	61.4	18.0	4.01	.59	.74	.89	58.4	17.1	4.54	.60	.76	.91	55.2	16.2	5.15	.61	.78	.94	51.7	15.2	5.84	.63	.81	.97
	2150	1015	62.2	18.2	4.02	.60	.77	.92	59.1	17.3	4.55	.62	.79	.94	55.8	16.4	5.16	.63	.81	.97	52.2	15.3	5.84	.65	.84	.99
71°F (22°C)	1750	825	64.4	18.9	4.04	.43	.56	.69	61.2	17.9	4.57	.43	.57	.70	57.9	17.0	5.17	.43	.58	.72	54.2	15.9	5.88	.44	.60	.75
	1950	920	65.3	19.1	4.05	.43	.57	.72	62.0	18.2	4.58	.44	.59	.73	58.5	17.1	5.19	.44	.60	.76	54.8	16.1	5.88	.45	.62	.79
	2150	1015	66.0	19.3	4.06	.44	.59	.74	62.7	18.4	4.59	.44	.60	.77	59.2	17.3	5.19	.45	.62	.79	55.3	16.2	5.89	.46	.64	.82

## HPXA15-060 — CR26-60 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	53.0	15.5	3.94	.71	.86	.99	50.5	14.8	4.46	.72	.89	1.00	47.8	14.0	5.05	.74	.92	1.00	44.9	13.2	5.73	.77	.95	1.00
	1950	920	53.9	15.8	3.95	.73	.90	1.00	51.4	15.1	4.46	.75	.93	1.00	48.7	14.3	5.05	.77	.95	1.00	45.7	13.4	5.74	.80	.98	1.00
	2150	1015	54.7	16.0	3.95	.76	.94	1.00	52.2	15.3	4.47	.78	.96	1.00	49.5	14.5	5.06	.81	.98	1.00	46.6	13.7	5.74	.84	1.00	1.00
67°F (19°C)	1750	825	56.1	16.4	3.97	.55	.68	.83	53.4	15.6	4.49	.56	.70	.85	50.5	14.8	5.08	.57	.72	.88	47.3	13.9	5.76	.58	.74	.92
	1950	920	56.9	16.7	3.97	.56	.71	.87	54.1	15.9	4.49	.57	.73	.89	51.1	15.0	5.08	.59	.75	.93	47.9	14.0	5.77	.60	.78	.96
	2150	1015	57.5	16.9	3.98	.58	.74	.91	54.7	16.0	4.50	.59	.76	.93	51.7	15.2	5.09	.60	.78	.96	48.3	14.2	5.78	.62	.82	.99
71°F (22°C)	1750	825	59.7	17.5	4.00	.41	.53	.66	56.8	16.6	4.52	.41	.54	.68	53.7	15.7	5.11	.42	.56	.70	50.2	14.7	5.80	.42	.57	.72
	1950	920	60.5	17.7	4.00	.41	.55	.69	57.5	16.9	4.53	.42	.56	.71	54.3	15.9	5.12	.42	.57	.73	50.8	14.9	5.81	.43	.59	.76
	2150	1015	61.1	17.9	4.01	.42	.57	.71	58.1	17.0	4.53	.42	.58	.73	54.8	16.1	5.13	.43	.59	.76	51.2	15.0	5.83	.44	.61	.80

## HPXA15-060 - C33-62D - C26-65EAP HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1800	850	69.2	20.3	4.68	56.5	16.6	4.49	43.7	12.8	4.34	30.9	9.1	3.82	15.9	4.7	2.91
2000	945	68.5	20.1	4.15	55.8	16.4	3.96	43.0	12.6	3.81	30.2	8.9	3.29	15.2	4.5	2.38
2200	1040	69.8	20.5	4.43	57.1	16.7	4.25	44.3	13.0	4.09	31.5	9.2	3.57	16.5	4.8	2.67

## HPXA15-060 - CR26-60 HEATING CAPACITY

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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1800	850	70.9	20.8	4.95	56.5	16.6	4.56	42.0	12.3	4.18	28.3	8.3	3.56	14.3	4.2	2.65
2000	945	71.2	20.9	4.81	56.8	16.6	4.42	42.3	12.4	4.04	28.6	8.4	3.42	14.6	4.3	2.51
2200	1040	61.5	18.0	4.71	47.1	13.8	4.32	32.6	9.6	3.94	18.9	5.5	3.32	4.9	1.4	2.41

## HPXA15-060 - C33-62D - C26-65EAP HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.15	68.5	20.1
60	16	4.09	65.3	19.1
55	13	4.03	62.2	18.2
50	10	3.98	59.1	17.3
47	8	3.94	57.2	16.8
45	7	3.96	55.8	16.4
40	4	4.02	52.4	15.4
35	2	4.07	48.9	14.3
30	-1	3.94	46.0	13.5
25	-4	3.81	43.0	12.6
20	-7	3.67	40.1	11.8
17	-8	3.60	38.4	11.3
15	-9	3.57	37.1	10.9
10	-12	3.51	34.0	10.0
5	-15	3.29	30.2	8.9
0	-18	3.06	26.5	7.8
-5	-21	2.84	22.7	6.7
-10	-23	2.61	19.0	5.6
-15	-26	2.38	15.2	4.5
-20	-29	2.16	11.5	3.4

## HPXA15-060 - CR26-60 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.81	71.2	20.9
60	16	4.70	67.7	19.8
55	13	4.60	64.1	18.8
50	10	4.49	60.5	17.7
47	8	4.43	58.4	17.1
45	7	4.42	56.8	16.6
40	4	4.38	52.8	15.5
35	2	4.34	48.8	14.3
30	-1	4.19	45.6	13.4
25	-4	4.04	42.3	12.4
20	-7	3.89	39.0	11.4
17	-8	3.80	37.1	10.9
15	-9	3.76	35.7	10.5
10	-12	3.65	32.1	9.4
5	-15	3.42	28.6	8.4
0	-18	3.20	25.1	7.4
-5	-21	2.97	21.6	6.3
-10	-23	2.74	18.1	5.3
-15	-26	2.51	14.6	4.3
-20	-29	2.28	11.1	3.3

# RATINGS

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

## HPXA15-060 — CH33-62D-2F - CH23-68 COOLING CAPACITY

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)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C
63°F (17°C)	1750	825	55.4	16.2	3.95	.71	.87	1.00	52.8	15.5	4.48	.72	.89	1.00	49.9	14.6	5.07	.75	.93	1.00	46.8	13.7	5.76	.77	.96	1.00
	1950	920	56.4	16.5	3.97	.74	.91	1.00	53.7	15.7	4.49	.76	.94	1.00	50.9	14.9	5.08	.78	.97	1.00	47.9	14.0	5.77	.81	.99	1.00
	2150	1015	57.4	16.8	3.97	.77	.95	1.00	54.7	16.0	4.50	.79	.98	1.00	51.9	15.2	5.09	.82	1.00	1.00	49.0	14.4	5.78	.85	1.00	1.00
67°F (19°C)	1750	825	58.7	17.2	3.99	.55	.69	.83	55.8	16.4	4.51	.56	.70	.86	52.7	15.4	5.11	.57	.72	.89	49.4	14.5	5.79	.59	.75	.93
	1950	920	59.6	17.5	4.00	.57	.71	.88	56.6	16.6	4.52	.58	.73	.91	53.4	15.6	5.11	.59	.76	.94	50.0	14.7	5.80	.61	.79	.97
	2150	1015	60.3	17.7	4.01	.58	.74	.92	57.3	16.8	4.53	.60	.77	.95	54.0	15.8	5.12	.61	.80	.98	50.5	14.8	5.81	.63	.83	1.00
71°F (22°C)	1750	825	62.5	18.3	4.02	.41	.54	.66	59.3	17.4	4.55	.41	.55	.68	56.0	16.4	5.15	.42	.56	.70	52.4	15.4	5.84	.42	.57	.72
	1950	920	63.3	18.6	4.04	.42	.55	.69	60.0	17.6	4.56	.42	.57	.71	56.6	16.6	5.16	.42	.58	.73	53.0	15.5	5.85	.43	.60	.77
	2150	1015	63.9	18.7	4.04	.42	.57	.72	60.7	17.8	4.57	.43	.59	.74	57.2	16.8	5.16	.43	.60	.77	53.5	15.7	5.86	.44	.62	.81

## HPXA15-060 - CH33-62D-2F - CH23-68 HEATING CAPACITY

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		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1800	850	71.1	20.8	4.70	56.6	16.6	4.32	42.1	12.3	3.96	28.3	8.3	3.38	14.3	4.2	2.51			
2000	945	71.4	20.9	4.57	56.9	16.7	4.19	42.4	12.4	3.83	28.6	8.4	3.25	14.6	4.3	2.38			
2200	1040	71.6	21.0	4.47	57.1	16.7	4.09	42.6	12.5	3.73	28.8	8.4	3.14	14.8	4.3	2.28			

## HPXA15-060 - CH33-62D-2F - CH23-68 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.57	71.4	20.9
60	16	4.47	67.8	19.9
55	13	4.37	64.3	18.8
50	10	4.27	60.7	17.8
47	8	4.21	58.5	17.1
45	7	4.19	56.9	16.7
40	4	4.15	52.9	15.5
35	2	4.12	48.9	14.3
30	-1	3.97	45.6	13.4
25	-4	3.83	42.4	12.4
20	-7	3.69	39.1	11.5
17	-8	3.61	37.1	10.9
15	-9	3.57	35.7	10.5
10	-12	3.47	32.1	9.4
5	-15	3.25	28.6	8.4
0	-18	3.03	25.1	7.4
-5	-21	2.82	21.6	6.3
-10	-23	2.60	18.1	5.3
-15	-26	2.38	14.6	4.3
-20	-29	2.16	11.1	3.3