LENNOX®
ENGINEERING DATA

ELITE 12™
HEAT PUMP OUTDOOR UNITS
11.35 to 13.50 SEER
*19,000 to 58,500 Btuh (5.6 to 17.1 kW) Cooling Capacity
*17,600 to 57,000 Btuh (5.2 to 16.7 kW) Heating Capacity

***ARI Standard 210/240 and DOE Certified Ratings**

HP25

Bulletin #210022
April 1996
Supersedes
April 1995

CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

LISTED

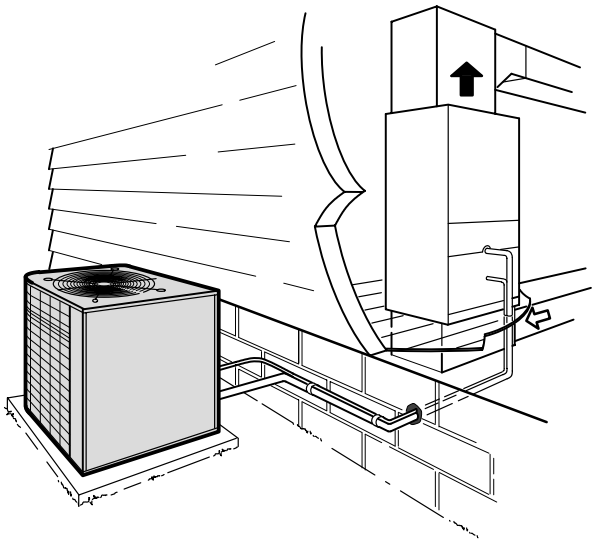
Application — ELITE 12 outdoor units are designed for applications with remotely located indoor blower-coil units or indoor add-on coils in FM21 installations. The outdoor units are equally suited for installation on a slab at grade level or on a rooftop. A variety of matching up-flow, down-flow and horizontal blower powered indoor units, with optional supplemental electric heat, provide selective sizing and installation versatility. For FM21 applications see bulletin indexed in this tab section. For indoor unit data, see section — Coils Blower-Coil Units. Outdoor units are test operated at the factory to insure proper operation and shipped ready for installation. Installer has only to locate unit and make refrigerant line and electrical connections.

Approvals — Units have been tested with matching indoor units in the Lennox Research Laboratory and rated according to U.S. Department of Energy (DOE) test procedures and in accordance with ARI Standard 210/240-94. In addition, units are U.L. Listed and have been sound rated in the Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95. Units and components within are bonded for grounding to meet safety standards for servicing required by U.L., N.E.C. and C.E.C. Units are also U.L. listed and C.S.A. certified.

Equipment Warranty — The compressor has a limited warranty for ten years in residential installations and five years in non-residential installations. All other covered components have a limited warranty for five years. Refer to Lennox Equipment Limited Warranty included with the unit for specific details.

Copeland® Compliant Scroll™ Compressor — High efficiency compressor features durability, steady uniform suction flow, constant discharge flow, high volumetric efficiency, quiet operation and the ability to start under any system load. Use of the scroll compressor eliminates the need for accumulator, crankcase heater, start capacitor and start relay. The compliant scroll type compressor is a simple compression concept design consisting of two involute spiral scrolls matched together to generate a series of crescent-shaped gas pockets between them. During compression, one scroll is stationary while the other is allowed to orbit, not rotate, around the fixed one. As this motion occurs, gas is drawn into the outer pocket sealing off the open passage. As the spiral movement continues, the pockets between the scrolls are slowly pushed to the center of the scrolls while simultaneously being reduced in volume. When the pocket reaches the center, the gas is now at high pressure and is forced out of a port located in the center of the fixed scroll. During compression, several pockets are being compressed simultaneously resulting in a smooth, nearly continuous compression cycle. Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency. The scroll compressor is tolerant to the effects of liquid slugging and contaminants. Should this occur, the scrolls separate and allow the liquid or contaminants to be worked to the center and discharged. Low gas pulses during compression minimize operational sound level. Factory installed muffler in discharge line, external to the compressor, provides additional sound reduction. Motor is internally protected from excessive current and temperature. Compressor is installed in the unit on resilient rubber mounts, assuring vibration free operation.

Typical Application



♁ The maple leaf symbol in this bulletin denotes Canadian only usage where applicable

NOTE — Due to Lennox' ongoing committment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.

FEATURES

Cabinet — Heavy gauge galvanized steel cabinet is subject to a five station metal wash process. This preparation process results in a perfect bonding surface for the finish coat of baked-on outdoor enamel. The attractive enamel finish gives the cabinet long lasting protection from the weather. Drainage holes are furnished in base section for moisture removal. High density polyethylene base channels raise the unit off of the mounting surface away from damaging moisture. A non-corrosive PVC coated steel wire outdoor coil guard is furnished.

Compressor and Controls Compartment — Separate compressor and controls compartment protects all components from weather conditions and keeps sound transmission at a minimum. Large removable access panel provides complete service access.

Control Box — Large size and conveniently located in the compressor and controls compartment for easy access. All controls are pre-wired at the factory. A low voltage terminal strip is furnished for ease of field wiring connections.

Outdoor Fan — Efficient direct drive fan moves large volumes of air uniformly through the entire outdoor coil resulting in high refrigerant cooling capacity. Vertical discharge of air minimizes operating sounds and eliminates hot air damage to lawn and shrubs. Fan motor is totally enclosed for maximum protection from weather, dust and corrosion. A rain shield on the motor provides additional protection from moisture. Fan service access is accomplished by removal of fan guard. Corrosion resistant PVC coated steel wire fan guard is furnished as standard.

Copper Tube Outdoor Lanced Fin Coil — Lennox designed and fabricated coil is constructed of precisely spaced ripple-edge aluminum fins machine fitted to seamless copper tubes. Precise coil circuiting gives uniform refrigerant distribution for high efficiency. Extra large wraparound "U" shaped coil configuration provides extra large surface area for excellent heat transfer with minimum air resistance. Fins are equipped with collars that 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 tubing connections and silver soldering provide tight, leakproof joints. Long life copper tubing is corrosion-resistant and easy to service. Coil is factory tested under high pressure to insure leakproof construction. Entire coil is accessible for cleaning.

Defrost Control — A solid-state defrost control 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). A sensing element mounted on the liquid line determines when the defrost cycle is required and also when to terminate a cycle. Diagnostic LED in control box furnished as an aid in troubleshooting.

Refrigerant Line Connections, Electrical Inlets and Service Valves — Liquid and vapor line connections are located inside the unit cabinet and are made with sweat connections. Field wiring inlets are conveniently located for ease of entry. Fully serviceable brass service valves prevent corrosion and provide easy access to refrigerant system. Liquid and vapor valves can be fully shut off, and the liquid valve can be front seated to manage refrigerant charge while servicing the system. Factory installed thermometer well is furnished in the liquid line. In addition, a high capacity drier with internal check valve and strainer are furnished and factory installed in the liquid line.

Charge Compensator — Optimizes system performance by storing extra refrigerant in the heating cycle.

Accumulator — Factory installed and piped accumulator is furnished on HP25-510 and -650 models only. Accumulator traps and prevents large amounts of liquid refrigerant from entering the compressor which could cause damage on start-up.

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.

Timed-Off Control — Prevents compressor short-cycling and also 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. Switch protects compressor from excessive condensing pressure. Automatic reset.

Expansion Valve — 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.

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. The thermistor varies the heat anticipator resistance as ambient temperature changes. Factory installed in the discharge air stream.

OPTIONAL ACCESSORIES (Must Be Ordered Extra)

Thermostat (Optional) — Thermostat is not furnished with the unit and must be ordered extra. See Lennox Price Book.

Low Ambient Control Kit (Optional) — Units will operate satisfactorily in the cooling mode down to 45°F (7°C) outdoor air temperature without any additional controls. For cases where operation of the unit is required at low ambients, A Low Ambient Control Kit LB-57113BM **(27J00)** can be added in the field, enabling the unit to operate properly down to 30°F (–1°C).

Refrigerant Line Kits (Optional) — Lines are available in several lengths and must be ordered extra. See Refrigerant Line Kit table for selection. The refrigerant lines (vapor and liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at the factory. L15 line sets are stubbed at both ends. Refrigerant line length should not exceed 50 ft. (15 m) in any installation. If longer length lines are required, contact your Lennox Field Service Consultant.

Check and Expansion Valve Kits (Optional) — Must be ordered extra and field installed on indoor units. See ARI Ratings table.

Mounting Base (Optional) — Rugged mounting base provides permanent foundation for outdoor 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. HP25-211-261 use MB2-S **(69J06)** 22-1/4 x 22-1/4 x 3 in. (565 x 565 x 76 mm) shipping weight 6 lbs. (3 kg) each. HP25-311 thru -650 use MB2-L **(69J07)** 32 x 34 x 3 in. (813 x 864 x 76 mm) shipping weight 15 lbs. (7 kg) each.

Outdoor Thermostat Kit (Optional) — 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)** must be ordered extra.

ARI RATINGS

Unit Size & Model No. *Sound Rating No. (db)	★ARI Standard 210/240 Ratings											Indoor Units	**Check and Expansion Valve Kit Required
	Cool. Cap. Btuh (kW)	High Htg. Cap. Btuh (kW)	Low Htg. Cap. Btuh (kW)	Total Cool. Watts	SEER (EER)	Cool. C.O.P.	Total High Htg. Watts	◆HSPF Region IV (Region V)	High Htg. C.O.P.	Total Low Htg. Watts	Low Htg. C.O.P.		
1.5 Ton HP25-211 (76)	19,800 (5.8)	17,600 (5.2)	10,200 (3.0)	1870	12.05 (10.60)	3.10	1840	7.50 (6.30)	2.80	1495	2.00	**Blower Coil Unit** CB30M-21/26 (Multi-Position)	●Factory Installed
	19,000 (5.57)	18,600 (5.44)	11,200 (3.28)	1820	11.70 (10.44)	3.15	1745	7.40 (6.15)	3.12	1605	2.05	⌂ **Blower Coil Unit** CVP10-26/EC10Q3 (Up-Flow)	
	19,200 (5.63)	18,400 (5.39)	11,000 (3.22)	1860	12.00 (10.32)	3.21	1780	7.00 (6.00)	3.03	1740	1.85	**Indoor Coil (▲FM21)** C26-31(W)(FC) (Up-Flow)	
	19,600 (5.74)	18,600 (5.44)	11,200 (3.38)	1800	12.05 (10.89)	3.19	1750	7.35 (6.15)	3.12	1600	2.05	**Indoor Coil (▲FM21)** C26-26(W)(FC) (Up-Flow)	
	19,400 (5.7)	19,400 (5.7)	11,800 (3.5)	1822	12.00 (10.65)	3.10	1777	7.45 (6.35)	3.20	1616	2.14	**Indoor Coil (▲FM21)** CR26-41(N)(W) (Down-Flow)	LB-85759F **(56J19)**
	19,600 (5.74)	18,600 (5.44)	11,200 (3.38)	1800	12.05 (10.90)	3.19	1750	7.20 (6.40)	3.12	1600	2.04	**Indoor Coil (▲FM21)** CH23-31 (Horizontal)	
2 Ton HP25-261 (76)	23,400 (6.8)	23,400 (6.9)	14,600 (4.3)	2205	12.05 (10.60)	3.11	2080	7.60 (6.65)	3.30	1860	2.30	**Blower Coil Unit** CB30M-21/26 (Multi-Position)	●Factory Installed
	23,800 (7.0)	23,400 (6.9)	14,900 (4.4)	2155	13.05 (11.05)	3.23	2015	8.00 (6.90)	3.40	1900	2.30	**Blower Coil Unit** CB30M-31 (Multi-Position)	
	22,200 (6.50)	23,600 (6.91)	15,000 (4.39)	2245	11.50 (9.89)	2.89	2000	8.10 (7.00)	3.46	1815	2.42	⌂ **Blower Coil Unit** CVP10-26/EC10Q3 (Up-Flow)	
	22,600 (6.62)	23,600 (6.91)	15,000 (4.39)	2250	11.60 (10.04)	2.94	2035	8.05 (7.05)	3.40	1845	2.38	**Indoor Coil (▲FM21)** C26-26(W)(FC) (Up-Flow)	
	23,600 (6.91)	23,600 (6.91)	14,800 (4.33)	2260	12.05 (10.44)	3.05	2030	7.95 (6.95)	3.41	1865	2.33	**Indoor Coil (▲FM21)** C26-31(W)(FC) (Up-Flow)	
	23,600 (6.91)	23,600 (6.91)	14,800 (4.33)	2260	12.10 (10.42)	3.05	2015	7.75 (6.60)	3.43	1935	2.24	**Indoor Coil (▲FM21)** C26-41(FC) (Up-Flow)	
	23,800 (6.97)	23,800 (6.97)	14,600 (4.27)	2224	12.00 (10.70)	3.15	2180	7.50 (6.60)	3.20	1910	2.24	**Indoor Coil (▲FM21)** CR26-41(N)(W) (Down-Flow)	LB-85759F **(56J19)**
	23,600 (6.91)	23,600 (6.91)	14,800 (4.33)	2260	12.05 (10.45)	3.06	2030	7.60 (6.50)	3.40	1865	2.32	**Indoor Coil (▲FM21)** CH23-41 (Horizontal)	
2.5 Ton HP25-311 (76)	30,200 (8.8)	29,800 (8.7)	18,000 (5.3)	2650	13.05 (11.40)	3.34	2520	8.20 (7.10)	3.56	2270	2.50	**Blower Coil Unit** CB30M-31 (Multi-Position)	●Factory Installed
	30,200 (8.8)	30,000 (8.8)	18,000 (5.3)	2690	13.05 (11.25)	3.29	2615	8.00 (6.80)	3.36	2375	2.24	**Blower Coil Unit** CB30M-41 (Multi-Position)	
	30,400 (8.9)	28,800 (8.4)	17,600 (5.2)	2560	13.50 (11.85)	3.48	2320	8.20 (6.90)	3.64	2115	2.44	**Blower Coil Unit** CB31MV-41 (Multi-Position)	
	28,400 (8.32)	29,800 (8.73)	18,600 (5.44)	2730	11.80 (10.40)	3.04	2580	8.15 (7.10)	3.39	2225	2.45	⌂ **Blower Coil Unit** CVP10-31/EC10Q3 (Up-Flow)	
	29,000 (8.49)	29,800 (8.73)	18,600 (5.44)	2730	12.00 (10.62)	3.11	2530	8.30 (7.20)	3.45	2200	2.48	⌂ **Blower Coil Unit** CVP10-41/EC10Q3 (Up-Flow)	
	29,800 (8.73)	29,800 (8.73)	18,400 (5.44)	2740	12.05 (10.88)	3.18	2580	7.95 (6.85)	3.39	2335	2.31	**Indoor Coil (▲FM21)** C26-31(W)(FC) (Up-Flow)	
	29,800 (8.73)	29,800 (8.73)	18,400 (5.44)	2740	12.15 (10.88)	3.18	2570	7.95 (6.85)	3.40	2400	2.25	**Indoor Coil (▲FM21)** C26-41(FC) (Up-Flow)	
	29,400 (8.61)	30,000 (8.79)	19,400 (5.68)	2661	12.00 (10.80)	3.15	2931	7.80 (7.00)	3.00	2561	2.22	**Indoor Coil (▲FM21)** CR26-41(N)(W) (Down-Flow)	LB-85759F **(56J19)**
	29,800 (8.73)	30,400 (8.91)	19,600 (5.74)	2661	12.40 (11.20)	3.30	2856	8.00 (6.75)	3.12	2564	2.24	**Indoor Coil (▲FM21)** CR26-51(N)(W) (Down-Flow)	
	29,800 (8.7)	29,200 (8.6)	17,700 (5.2)	2740	12.30 (10.85)	3.19	2560	7.40 (6.85)	3.34	2215	2.34	**Indoor Coil (▲FM21)** CH23-51 (Horizontal)	

*Sound Rating Number in accordance with test conditions included in ARI Standard 270.
◆Heating Seasonal Performance Factor.
★Rated in accordance with 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 db/15°F wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
●Furnished as standard with coil unit.
**Kit is required and must be ordered extra, unless shown as factory installed.
▲FM21 Heat Pump Control – Use coil listed with any Lennox furnace that meets system design requirements. See FM21 page in this section for additional data.
NOTE — Shaded area denotes most popular blower coil combination.

ARI RATINGS

Unit Size & Model No. *Sound Rating No. (db)	★ARI Standard 210/240 Ratings											Indoor Units	**Check and Expansion Valve Kit Required
	Cool. Cap. Btuh (kW)	High Htg. Cap. Btuh (kW)	Low Htg. Cap. Btuh (kW)	Total Cool. Watts	SEER (EER)	Cool. C.O.P.	Total High Htg. Watts	◆HSPF Region IV (Region V)	High Htg. C.O.P.	Total Low Htg. Watts	Low Htg. C.O.P.		
3 Ton HP25-411 HP25-413 (76)	35,000 (10.3)	34,400 (10.1)	22,000 (6.4)	3185	12.50 (11.00)	3.22	2965	8.10 (7.15)	3.40	2685	2.40	**Blower Coil Unit** CB30M-31 (Multi-Position)	●Factory Installed
	35,200 (10.3)	34,800 (10.2)	22,200 (6.5)	3185	12.50 (11.05)	3.24	3000	8.20 (7.15)	3.40	2710	2.40	**Blower Coil Unit** CB30M-41 (Multi-Position)	
	35,400 (10.4)	34,800 (10.2)	22,000 (6.4)	3145	12.60 (11.25)	3.30	3000	8.20 (7.15)	3.40	2685	2.40	**Blower Coil Unit** CB30M-46 (Multi-Position)	
	35,400 (10.4)	34,600 (10.1)	21,800 (6.4)	3100	12.80 (11.40)	3.34	2895	8.50 (7.30)	3.50	2585	2.48	**Blower Coil Unit** CB31MV-41 (Multi-Position)	
	36,200 (10.6)	35,000 (10.3)	22,200 (6.5)	3150	12.70 (11.50)	3.37	3015	8.20 (7.15)	3.40	2710	2.40	**Blower Coil Unit** CB30M-51 (Multi-Position)	
	36,600 (10.7)	34,200 (10.0)	21,200 (6.2)	3075	13.00 (11.90)	3.54	2830	8.20 (7.15)	3.54	2495	2.50	**Blower Coil Unit** CB31MV-51 (Multi-Position)	
	33,400 (9.78)	34,200 (10.02)	21,600 (6.32)	3200	11.70 (10.44)	3.05	3115	8.05 (7.00)	3.22	2660	2.38	✧ **Blower Coil Unit** CVP10-31/EC10Q3 (Up-Flow)	
	34,000 (9.96)	34,400 (10.07)	21,600 (6.32)	3215	11.90 (10.58)	3.10	3065	8.15 (7.05)	3.29	2635	2.40	✧ **Blower Coil Unit** CVP10-46/EC10Q4 (Up-Flow)	
	34,200 (10.02)	34,400 (10.07)	21,600 (6.32)	3340	11.70 (10.24)	3.11	3050	8.20 (7.10)	3.31	2625	2.41	✧ **Blower Coil Unit** CVP10-41/EC10Q3 (Up-Flow)	
	34,800 (10.19)	34,200 (10.02)	21,400 (6.27)	3220	12.00 (10.81)	3.16	3110	7.95 (6.85)	3.22	2745	2.28	**Indoor Coil (▲FM21)** C26-31(W)(FC) (Up-Flow)	
	34,800 (10.19)	34,400 (10.07)	21,400 (6.27)	3225	12.05 (10.79)	3.16	3075	7.95 (6.85)	3.28	2755	2.28	**Indoor Coil (▲FM21)** C26-41(FC) (Up-Flow)	
	34,800 (10.20)	34,400 (10.08)	21,600 (6.33)	3300	12.05 (10.55)	3.09	3065	8.20 (7.10)	3.29	2660	2.41	**Indoor Coil (▲FM21)** C26-46(FC) (Up-Flow)	
	35,000 (10.26)	35,800 (10.48)	22,400 (6.56)	3226	12.00 (10.60)	3.10	3363	7.65 (6.75)	3.12	2931	2.24	**Indoor Coil (▲FM21)** CR26-51(N)(W) (Down-Flow)	LB-85759F **(56J19)**
	34,800 (10.20)	34,400 (10.08)	21,600 (6.33)	3225	12.05 (10.80)	3.17	3075	7.60 (6.50)	3.28	2755	2.28	**Indoor Coil (▲FM21)** CH23-51 (Horizontal)	
3.5 Ton HP25-461 HP25-461 (78)	40,000 (11.7)	40,000 (11.7)	25,400 (7.4)	3705	11.80 (10.80)	3.16	3780	8.50 (7.25)	3.10	3235	2.30	**Blower Coil Unit** CB30M-41 (Multi-Position)	●Factory Installed
	40,000 (11.7)	40,000 (11.7)	25,400 (7.4)	3690	12.05 (10.85)	3.18	3755	8.70 (7.55)	3.12	3075	2.42	**Blower Coil Unit** CB31MV-41 (Multi-Position)	
	41,000 (12.0)	40,500 (11.9)	25,600 (7.5)	3735	12.05 (11.00)	3.22	3710	8.60 (7.30)	3.20	3260	2.30	**Blower Coil Unit** CB30M-46 (Multi-Position)	
	42,000 (12.3)	40,500 (11.9)	25,600 (7.5)	3735	12.30 (11.25)	3.30	3595	8.70 (7.50)	3.30	3125	2.40	**Blower Coil Unit** CB30M-51 (Multi-Position)	
	42,500 (12.5)	40,500 (11.9)	25,400 (7.4)	3735	12.80 (11.40)	3.34	3490	8.90 (7.55)	3.40	3075	2.42	**Blower Coil Unit** CB31MV-51 (Multi-Position)	
	40,000 (11.72)	40,800 (11.95)	26,000 (7.61)	3895	11.70 (10.27)	3.05	3730	8.25 (7.15)	3.21	3255	2.34	✧ **Blower Coil Unit** CVP10-46/EC10Q4 (Up-Flow)	
	40,800 (11.95)	40,800 (11.95)	26,000 (7.61)	3895	11.70 (10.47)	3.06	3700	8.30 (7.15)	3.23	3245	2.35	✧ **Blower Coil Unit** CVP10-41/EC10Q3 (Up-Flow)	
	41,500 (12.16)	40,800 (11.95)	26,000 (7.62)	3950	12.05 (10.50)	3.08	3720	8.00 (6.90)	3.21	3260	2.57	**Indoor Coil (▲FM21)** C26-46(FC) (Up-Flow)	
	41,600 (12.18)	40,600 (11.89)	25,600 (7.50)	3915	12.00 (10.63)	3.11	3725	8.00 (6.85)	3.19	3400	2.21	**Indoor Coil (▲FM21)** C26-41(FC) (Up-Flow)	
	42,000 (12.31)	40,600 (11.90)	25,800 (7.56)	3977	12.05 (10.55)	3.09	3645	8.00 (6.90)	3.26	3185	2.25	**Indoor Coil (▲FM21)** C26-51(FC) (Up-Flow)	
	40,000 (11.72	41,000 (12.01)	26,400 (7.74)	3950	12.00 (10.40)	2.95	4005	7.60 (6.90)	3.00	3306	2.34	**Indoor Coil (▲FM21)** CR26-51(N)(W) (Down-Flow)	LB-85759G **(56J20)**
	41,500 (12.16)	40,500 (11.9)	25,600 (7.5)	3915	12.00 (10.60)	3.10	3725	7.60 (6.50)	3.19	3400	2.21	**Indoor Coil (▲FM21)** CH23-51 (Horizontal)	

*Sound Rating Number in accordance with test conditions included in ARI Standard 270.
◆Heating Seasonal Performance Factor.
★Rated in accordance with 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 db/15°F wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
●Furnished as standard with coil unit.
**Kit is required and must be ordered extra, unless shown as factory installed.
▲FM21 Heat Pump Control – Use coil listed with any Lennox furnace that meets system design requirements. See FM21 page in this section for additional data.
NOTE — Shaded area denotes most popular blower coil combination.

ARI RATINGS

Unit Size & Model No. *Sound Rating No. (db)	★ARI Standard 210/240 Ratings											Indoor Units	**Check and Expansion Valve Kit Required
	Cool. Cap. Btuh (kW)	High Htg. Cap. Btuh (kW)	Low Htg. Cap. Btuh (kW)	Total Cool. Watts	SEER (EER)	Cool. C.O.P.	Total High Htg. Watts	◆HSPF Region IV (Region V)	High Htg. C.O.P.	Total Low Htg. Watts	Low Htg. C.O.P.		
4 Ton HP25-511 HP25-513 (78)	47,500 (13.9)	46,500 (13.6)	28,400 (8.3)	4435	12.05 (10.70)	3.14	4260	7.50 (6.50)	3.20	3780	2.20	**Blower Coil Unit** CB30M-51 (Multi-Position)	●Factory Installed
	47,500 (13.9)	46,500 (13.6)	28,400 (8.3)	4470	12.05 (10.65)	3.11	4260	7.50 (6.50)	3.20	3780	2.20	**Blower Coil Unit** CB30M-65 (Multi-Position)	
	47,500 (13.9)	46,500 (13.6)	28,200 (8.3)	4385	12.50 (10.85)	3.17	4205	7.60 (6.60)	3.24	3690	2.24	**Blower Coil Unit** CB31MV-51 (Multi-Position)	
	48,000 (14.1)	46,000 (13.5)	28,200 (8.3)	4390	12.75 (10.95)	3.21	4135	7.60 (6.60)	3.26	3690	2.24	**Blower Coil Unit** CB31MV-65 (Multi-Position)	
	45,500 (13.3)	45,500 (13.3)	28,200 (8.3)	4370	11.55 (10.40)	3.05	4445	7.20 (6.30)	3.00	3935	2.10	**Blower Coil Unit** CB30M-46 (Multi-Position)	
	46,500 (13.62)	46,000 (13.47)	29,600 (8.67)	4480	11.60 (10.38)	3.04	4447	7.10 (6.30)	3.00	3946	2.19	♤ **Blower Coil Unit** CVP10-46/EC10Q4 (Up-Flow)	
	47,500 (13.92)	47,000 (13.77)	30,200 (8.84)	4634	11.35 (10.25)	3.00	4385	7.20 (6.45)	3.12	3961	2.22	♤ **Blower Coil Unit** CVP10-51/EC10Q4 (Up-Flow)	
	48,500 (14.21)	47,000 (13.77)	30,200 (8.84)	4633	11.55 (10.47)	3.07	4329	7.25 (6.50)	3.16	3931	2.24	♤ **Blower Coil Unit** CVP10-65/EC10Q5 (Up-Flow)	
	47,500 (13.92)	46,000 (13.48)	29,600 (8.67)	4640	11.80 (10.25)	3.00	4445	7.05 (6.30)	3.02	3960	2.18	**Indoor Coil (▲FM21)** C26-46(FC) (Up-Flow)	
	47,500 (13.92)	47,000 (13.77)	29,600 (8.67)	4640	12.00 (10.25)	3.00	4385	7.00 (6.35)	3.39	3925	2.20	**Indoor Coil (▲FM21)** C26-51(FC) (Up-Flow)	
	48,500 (14.21)	46,000 (13.48)	29,600 (8.67)	4645	12.00 (10.45)	3.06	4340	7.15 (6.40)	3.10	3890	2.23	**Indoor Coil (▲FM21)** C26-65(FC) (Up-Flow)	
	50,000 (14.7)	46,000 (13.48)	29,600 (8.67)	4495	12.35 (11.12)	3.25	4342	7.15 (6.40)	3.10	3892	2.23	**Indoor Coil (▲FM21)** C26-65(FC)EAP (Up-Flow)	
	47,000 (13.77)	45,000 (13.19)	28,200 (8.26)	4500	11.80 (10.20)	2.95	4885	6.80 (6.20)	2.70	4132	2.00	**Indoor Coil (▲FM21)** CR26-51(N)(W) (Down-Flow)	LB-85759G **(56J20)**
	48,000 (14.06)	46,000 (13.48)	29,800 (8.73)	4634	12.35 (10.40)	3.00	4349	7.10 (6.50)	3.10	3970	2.20	**Indoor Coil (▲FM21)** CR26-65(N)(W) (Down-Flow)	
	47,500 (13.92)	46,000 (13.48)	29,600 (8.67)	4640	11.80 (10.25)	3.00	4445	6.80 (5.90)	3.02	3960	2.18	**Indoor Coil (▲FM21)** CH23-65 (Horizontal)	
	50,000 (14.7)	46,000 (13.48)	29,600 (8.67)	4495	12.35 (11.12)	3.25	4342	7.15 (6.40)	3.10	3892	2.23	**Indoor Coil (▲FM21)** CH23-68 (Horizontal)	
5 Ton HP25-651 HP25-653 (80)	56,500 (16.6)	56,500 (16.6)	37,000 (10.8)	5310	12.05 (10.65)	3.12	5520	7.70 (6.90)	3.00	4715	2.30	**Blower Coil Unit** CB30M-51 (Multi-Position)	●Factory Installed
	57,000 (16.7)	56,000 (16.4)	36,600 (10.7)	5210	12.50 (10.95)	3.20	5395	7.80 (7.00)	3.04	4585	2.34	**Blower Coil Unit** CB31MV-51 (Multi-Position)	
	58,000 (17.0)	57,000 (16.7)	37,400 (11.0)	5440	12.05 (10.65)	3.13	5565	7.70 (6.90)	3.00	4765	2.30	**Blower Coil Unit** CB30M-65 (Multi-Position)	
	58,000 (17.0)	57,000 (16.7)	37,200 (10.9)	5440	12.50 (10.65)	3.12	5530	7.70 (6.95)	3.02	4700	2.32	**Blower Coil Unit** CB31MV-65 (Multi-Position)	
	57,000 (16.70)	57,000 (16.70)	37,400 (10.96)	5608	11.80 (10.16)	2.98	5697	7.20 (6.40)	2.94	4803	2.27	♤ **Blower Coil Unit** CVP10-65/EC10Q5 (Up-Flow)	
	58,000 (16.99)	56,000 (16.41)	35,000 (10.26)	5625	12.00 (10.35)	3.03	5550	7.00 (6.25)	3.00	4807	2.10	**Indoor Coil (▲FM21)** C26-65(FC)EAP (Up-Flow)	
	58,500 (17.14)	55,000 (16.12)	36,000 (10.55)	5640	12.20 (10.40)	3.05	6255	8.00 (7.20)	3.20	5375	2.30	**Indoor Coil (▲FM21)** C26-65(FC) (Up-Flow)	
	56,000 (16.41)	56,000 (16.41)	40,000 (11.72)	5572	12.00 (10.20)	2.95	5660	7.15 (6.60)	2.90	5233	2.24	**Indoor Coil (▲FM21)** CR26-65(N)(W) (Down-Flow)	LB-85759G **(56J20)**
	58,000 (16.99)	56,000 (16.41)	35,000 (10.26)	5625	12.00 (10.35)	3.03	5550	7.00 (6.25)	3.00	4807	2.10	**Indoor Coil (▲FM21)** CH23-68 (Horizontal)	

*Sound Rating Number in accordance with test conditions included in ARI Standard 270.
◆Heating Seasonal Performance Factor.
★Rated in accordance with 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 db/15°F wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
●Furnished as standard with coil unit.
**Kit is required and must be ordered extra, unless shown as factory installed.
▲FM21 Heat Pump Control – Use coil listed with any Lennox furnace that meets system design requirements. See FM21 page in this section for additional data.
NOTE — Shaded area denotes most popular blower coil combination.

SPECIFICATIONS

Model No.			HP25-211	HP25-261	HP25-311	HP25-411-413	HP25-461-463	HP25-511-513	HP25-651-653
Condenser Coil	Net face area ft.^{2} (m^2)	Outer Coil	11.83 (1.10)	11.83 (1.10)	15.94 (1.48)	15.94 (1.48)	18.22 (1.69)	23.92 (2.22)	23.92 (2.22)
		Middle Coil	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	23.01 (2.14)
		Inner Coil	10.4 (0.97)	8.57 (0.80)	15.34 (1.43)	15.34 (1.43)	17.53 (1.63)	23.01 (2.14)	16.83 (1.56)
	Tube diameter — 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)	3/8 (9.5)
	No. of rows		1.90	1.75	2	2	2	2	2.76
	Fins per inch (m)		20 (787)	18 (709)	18 (709)	18 (709)	18 (709)	20 (787)	20 (287)
Condenser Fan	Diameter — in. (mm)		20 (508)	20 (508)	24 (610)	24 (610)	24 (610)	24 (610)	24 (610)
	No. of blades		3	3	3	3	3	4	4
	Motor hp (W)		1/10 (82)	1/10 (82)	1/6 (124)	1/6 (124)	1/6 (124)	1/4 (187)	1/3 (249)
	cfm (L/s)		1865 (880)	1865 (880)	3250 (1535)	3250 (1535)	3100 (1465)	4250 (2005)	4600 (2170)
	Rpm		825	825	820	820	820	830	820
	Watts		155	155	210	210	220	345	420
*Refrigerant furnished (HCFC-22)			7 lbs. 10 oz. (3.46 kg)	8 lbs. 14 oz. (4.03 kg)	10 lbs. 4 oz. (4.65 kg)	11 lbs. 4 oz. (5.10 kg)	12 lbs. 8 oz. (5.67 kg)	18 lbs. 8 oz. (8.39 kg)	23 lbs. 14 oz. (10.83 kg)
Liquid line conn. o.d. — in. (mm) (sweat)			3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Suction line conn. o.d. — in. (mm) (sweat)			5/8 (16)	5/8 (16)	3/4 (19)	3/4 (19)	7/8 (22.2)	7/8 (22.2)	1-1/8 (28.5)
Shipping weight — lbs. (kg) 1 package			179 (81)	178 (81)	230 (104)	235 (107)	245 (111)	352 (160)	408 (185)

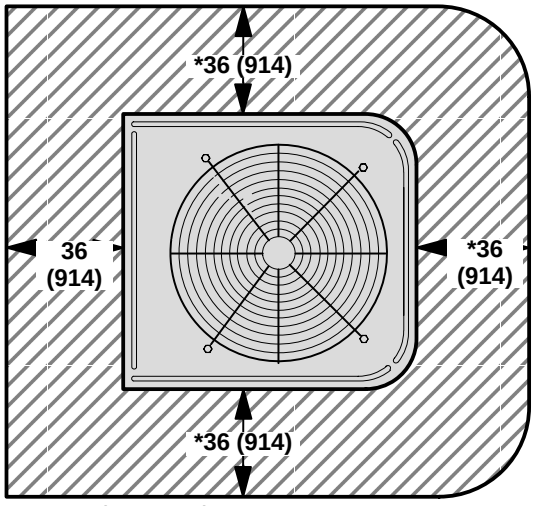
*Refrigerant charge sufficient for 20 ft. (6.1 m) length of refrigerant lines.

REFRIGERANT LINE KITS

Outdoor Unit Model No.	Line Set Model No.	Line Length ft.	Line Length m	Liquid Line (o.d.) in.	Liquid Line (o.d.) mm	Vapor Line (o.d.) in.	Vapor Line (o.d.) mm
HP25-211 HP25-261	L15-26-20	20	6	3/8	9.5	5/8	15.8
	L15-26-25	25	8				
	L15-26-35	35	11				
	L15-26-50	50	15				
HP25-311 HP25-411-413	L15-41-20	20	6	3/8	9.5	3/4	19
	L15-41-30	30	9				
	L15-41-40	40	12				
	L15-41-50	50	15				
HP25-461-463 HP25-511-513	L15-65-30	30	9	3/8	9.5	7/8	22.2
	L15-65-40	40	12				
	L15-65-50	50	15				
*HP25-651-653	*Not available			3/8	9.5	1 1/8	28.5

NOTE — Refrigerant line set should not exceed 50 ft. (15m) in any installation.
*Field fabricated.

INSTALLATION CLEARANCES inches (mm)



NOTE—48" (1219 mm) clearance required on top of unit.
***NOTE—One side of coil may be 12 (305) inches.**

ELECTRICAL DATA

Model No.		HP25-211	HP25-261	HP25-311	HP25-411	HP25-413	HP25-461	HP25-463
Line voltage data		208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-3ph	208/230v 60hz-1ph	208/230v 60hz-3ph
Compressor	Rated load amps	9.7	11.6	13.5	18.0	10.3	20.0	12.5
	Power factor	.96	.96	.96	.96	.82	.97	.82
	Locked rotor amps	50.0	62.5	76.0	90.5	77.0	107.0	88.0
Outdoor Coil Fan Motor	Full load amps	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Locked rotor amps	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Rec. max. fuse or circuit breaker size (amps)		20	25	30	35	20	45	25
*Minimum circuit ampacity		13.3	15.6	18.0	23.6	14.0	26.1	16.8

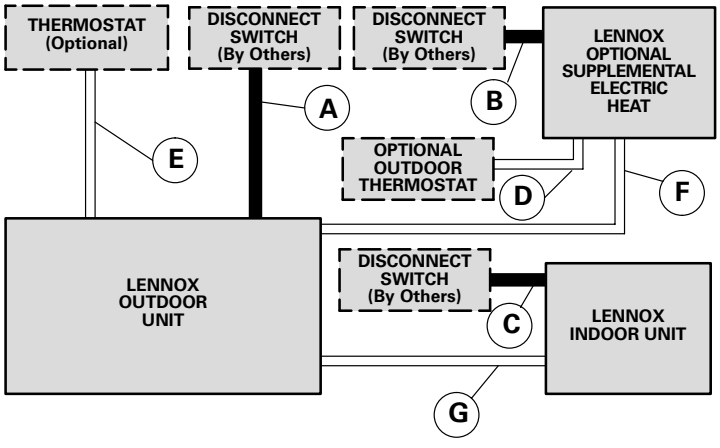
*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
NOTE — Extremes of operating range are plus 10% and minus 5% of line voltage.

ELECTRICAL DATA

Model No.		HP25-511	HP25-513		HP25-651	HP25-653	
Line voltage data		208/230v 60hz-1ph	208/230v 60hz-3ph	460v 60hz-3ph	208/230v 60hz-1ph	208/230v 60hz-3ph	460v 60hz-3ph
Compressor	Rated load amps	23.7	13.5	7.4	28.8	17.4	9.0
	Power factor	.94	.87	.87	.94	.85	.85
	Locked rotor amps	129.0	99.0	49.5	169	123.0	62
Outdoor Coil Fan Motor	Full load amps	1.6	1.6	1.1	2.3	2.3	1.1
	Locked rotor amps	2.9	2.9	2.2	4.3	4.3	2.2
Rec. max. fuse or circuit breaker size (amps)		50	30	15	60	40	20
*Minimum circuit ampacity		31.2	18.5	10.4	38.4	24.1	12.4

*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.

FIELD WIRING

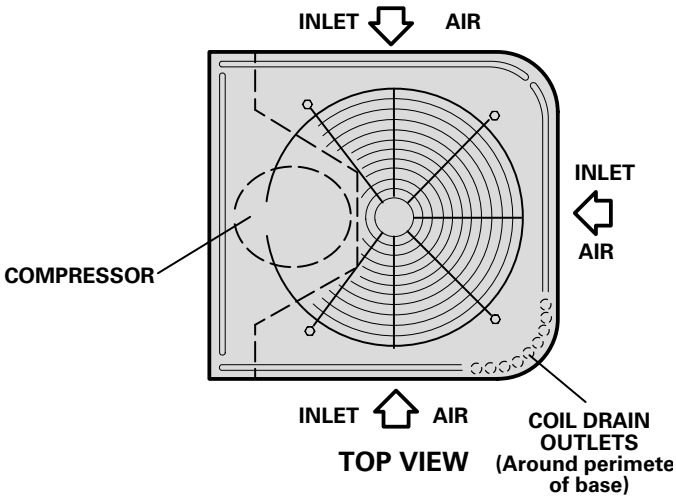


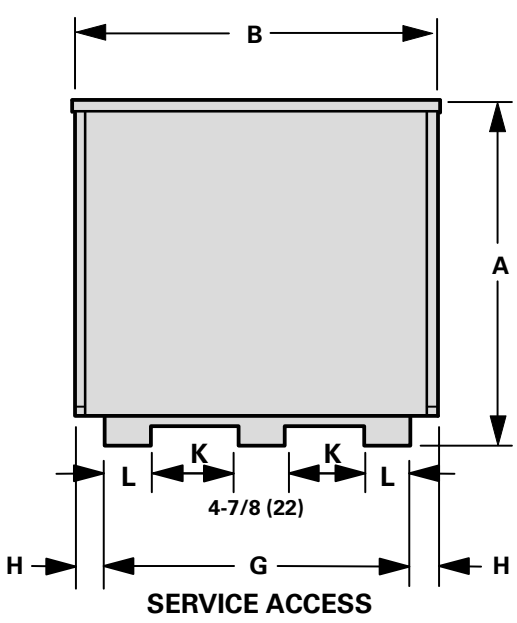
A — Two or Three Wire Power (see Electrical Data)
B — Two or Three Wire Power (size to heater capacity)
C — Two Wire Power (size to indoor coil blower motor)
D — Two Wire Low Voltage — 18 ga. minimum
E — Eight Wire Low Voltage — 18 ga. minimum — with Electric Heat
— Ten Wire Low Voltage with Optional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

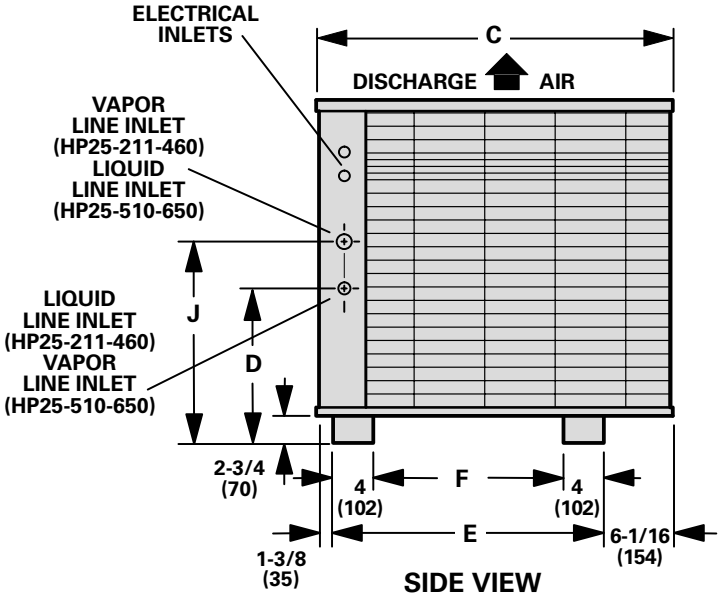
— Field Wiring Not Furnished —

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

DIMENSIONS inches (mm)







Model No.		A	B	C	D	E	F	G	H	J	K	L
HP25-211 HP25-261	in.	27-7/8	25-7/8	29-7/8	12-1/4	22-7/16	14-7/16	22-1/8	1-7/8	16-3/4	5-1/2	2-7/8
	mm	708	657	759	311	570	367	562	48	425	140	73
HP25-311 HP25-411-413	in.	30-7/8	32-1/8	34-1/16	12-3/4	26-5/8	18-5/8	28-1/8	2	17-1/4	7-1/2	3-7/8
	mm	784	816	865	324	676	473	714	51	438	191	98
HP25-461-463	in.	34-7/8	32-1/8	34-1/16	13-3/4	26-5/8	18-5/8	28-1/8	2	18-1/4	7-1/2	3-7/8
	mm	886	816	865	349	676	473	714	51	464	191	98
HP25-511-513 HP25-651-653	in.	44-7/8	32-1/8	34-1/16	29-1/4	26-5/8	18-5/8	28-1/8	2	20-3/4	7-1/2	3-7/8
	mm	1140	816	865	743	676	473	714	51	527	191	98

COOLING AND HEATING RATINGS

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

HP25–211 — COOLING CAPACITY — CB30M–21/26

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	190	400	5.6	19,000	1320	.67	.78	.89	5.4	18,400	1470	.68	.79	.90	5.2	17,700	1650	.69	.81	.92	5.0	16,900	1850	.70	.82	.94
	285	600	6.0	20,600	1330	.75	.89	1.00	5.8	19,900	1490	.76	.91	1.00	5.6	19,100	1660	.77	.92	1.00	5.4	18,300	1870	.79	.94	1.00
	375	800	6.4	21,700	1340	.82	.98	1.00	6.1	20,900	1490	.84	.99	1.00	5.9	20,200	1680	.86	1.00	1.00	5.7	19,400	1880	.88	1.00	1.00
67°F (19.4°C)	190	400	6.0	20,400	1330	.54	.64	.75	5.8	19,700	1480	.54	.65	.76	5.6	19,000	1660	.55	.66	.77	5.3	18,200	1870	.55	.67	.78
	285	600	6.4	22,000	1340	.58	.72	.86	6.2	21,200	1500	.59	.73	.87	5.9	20,300	1680	.59	.75	.89	5.7	19,400	1890	.60	.76	.91
	375	800	6.7	22,800	1350	.63	.80	.96	6.4	22,000	1510	.64	.82	.97	6.2	21,100	1690	.65	.84	.99	5.9	20,200	1890	.66	.86	1.00
71°F (21.7°C)	190	400	6.4	21,900	1340	.42	.52	.61	6.2	21,100	1500	.42	.52	.62	5.9	20,300	1680	.42	.53	.63	5.7	19,500	1880	.42	.53	.64
	285	600	6.9	23,400	1350	.43	.56	.70	6.6	22,600	1510	.43	.57	.71	6.4	21,700	1690	.44	.58	.72	6.1	20,800	1900	.44	.59	.74
	375	800	7.1	24,300	1360	.45	.61	.78	6.9	23,400	1520	.45	.63	.80	6.6	22,400	1700	.46	.64	.81	6.3	21,400	1910	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-211 — COOLING CAPACITY — CVP10-26/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	295	625	5.8	19,800	1260	.77	.93	1.00	5.6	19,100	1390	.78	.94	1.00	5.4	18,300	1560	.79	.97	1.00	5.2	17,600	1770	.80	.99	1.00
	330	700	5.9	20,300	1260	.79	.96	1.00	5.7	19,600	1390	.81	.98	1.00	5.5	18,900	1560	.82	1.00	1.00	5.3	18,100	1780	.83	1.00	1.00
	365	775	6.1	20,700	1260	.82	.99	1.00	5.9	20,000	1400	.83	1.00	1.00	5.7	19,400	1570	.84	1.00	1.00	5.5	18,700	1780	.86	1.00	1.00
67°F (19.4°C)	295	625	6.2	21,000	1260	.60	.75	.90	5.9	20,300	1400	.61	.76	.91	5.7	19,500	1570	.61	.78	.93	5.5	18,700	1780	.62	.80	.94
	330	700	6.3	21,400	1260	.62	.78	.93	6.1	20,700	1400	.62	.79	.95	5.8	19,800	1570	.63	.81	.97	5.6	19,100	1790	.64	.83	.98
	365	775	6.4	21,800	1260	.63	.81	.97	6.1	20,900	1400	.64	.82	.99	5.9	20,200	1570	.65	.85	1.00	5.7	19,300	1790	.66	.87	1.00
71°F (21.7°C)	295	625	6.5	22,300	1270	.45	.59	.75	6.3	21,500	1400	.45	.60	.76	6.1	20,700	1580	.45	.61	.77	5.8	19,800	1800	.45	.62	.78
	330	700	6.7	22,700	1270	.45	.61	.78	6.4	21,900	1410	.45	.62	.79	6.2	21,100	1580	.46	.63	.80	5.9	20,300	1800	.46	.64	.81
	365	775	6.7	23,000	1270	.46	.63	.80	6.5	22,300	1410	.46	.63	.81	6.3	21,400	1590	.46	.65	.83	6.0	20,600	1800	.47	.66	.84

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–211 — HEATING CAPACITY — CB30M–21/26

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
190	400	6.2	21,300	1870	4.8	16,300	1625	3.3	11,300	1375	2.0	6,900	1170	1.0	3,300	925
285	600	6.4	22,000	1675	5.0	17,000	1430	3.5	12,000	1180	2.2	7,600	975	1.2	4,000	730
380	800	6.6	22,500	1585	5.1	17,500	1340	3.7	12,500	1090	2.4	8,100	885	1.3	4,500	640

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-211 — HEATING CAPACITY — CVP10-26/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
295	625	6.7	22,900	1450	5.2	17,900	1355	3.8	13,000	1255	2.5	8600	1065	1.3	4300	805
330	700	6.8	23,200	1430	5.3	18,200	1330	3.9	13,300	1230	2.6	8900	1045	1.3	4500	785
365	775	6.8	23,300	1410	5.4	18,400	1310	3.9	13,400	1210	2.7	9100	1020	1.4	4700	765

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–211 — HEATING PERFORMANCE
CB30M–21/26 at 600 cfm (285 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1675	22,000	6.4
60	16	1620	20,800	6.1
55	13	1560	19,600	5.7
50	10	1500	18,300	5.4
47	8	1465	17,600	5.2
45	7	1430	17,000	5.0
40	4	1340	15,600	4.6
35	2	1250	14,200	4.2
30	-1	1215	13,100	3.8
25	-4	1180	12,000	3.5
20	-7	1140	10,900	3.2
17	-8	1120	10,200	3.0
15	-9	1095	9,700	2.8
10	-12	1040	8,500	2.5
5	-15	975	7,600	2.2
0	-18	915	6,700	2.0
-5	-21	855	5,800	1.7
-10	-23	795	4,900	1.4
-15	-26	730	4,000	1.2
-20	-29	670	3,100	.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25-211 — HEATING PERFORMANCE
CVP10-26/EC10Q3 at 700 cfm (330 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1430	23,200	6.8
60	16	1405	22,000	6.4
55	13	1380	20,700	6.1
50	10	1355	19,500	5.7
47	8	1345	18,800	5.5
45	7	1330	18,200	5.3
40	4	1300	16,800	4.9
35	2	1275	15,400	4.5
30	-1	1255	14,300	4.2
25	-4	1230	13,300	3.9
20	-7	1210	12,200	3.6
17	-8	1200	11,500	3.4
15	-9	1175	11,100	3.3
10	-12	1110	10,000	2.9
5	-15	1045	8900	2.6
0	-18	980	7800	2.3
-5	-21	915	6700	2.0
-10	-23	850	5600	1.6
-15	-26	785	4500	1.3
-20	-29	720	3500	1.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25-211 — COOLING CAPACITY — C26-31(W)(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	295	625	6.1	20,900	1260	.75	.91	1.00	5.9	20,100	1390	.77	.93	1.00	5.7	19,300	1570	.78	.95	1.00	5.4	18,400	1780	.79	.97	1.00
	330	700	6.2	21,300	1260	.78	.95	1.00	6.0	20,600	1400	.79	.97	1.00	5.7	19,600	1570	.81	.99	1.00	5.5	18,800	1780	.82	1.00	1.00
	365	775	6.4	21,800	1260	.81	.98	1.00	6.2	21,100	1400	.82	.99	1.00	5.9	20,200	1570	.83	1.00	1.00	5.7	19,400	1790	.85	1.00	1.00
67°F (19.4°C)	295	625	6.5	22,100	1270	.59	.74	.88	6.2	21,300	1400	.60	.75	.90	6.0	20,400	1570	.60	.76	.91	5.7	19,500	1790	.61	.78	.93
	330	700	6.6	22,600	1270	.61	.76	.92	6.4	21,800	1410	.61	.78	.93	6.1	20,900	1580	.62	.80	.95	5.8	19,900	1800	.63	.82	.97
	365	775	6.7	23,000	1270	.62	.79	.95	6.5	22,100	1410	.63	.81	.97	6.2	21,200	1580	.64	.83	.99	5.9	20,300	1800	.65	.85	1.00
71°F (21.7°C)	295	625	6.8	23,300	1270	.44	.58	.74	6.6	22,400	1410	.44	.59	.75	6.3	21,500	1590	.44	.60	.76	6.0	20,600	1810	.45	.61	.77
	330	700	7.0	23,800	1280	.44	.60	.76	6.7	23,000	1420	.45	.61	.77	6.4	22,000	1590	.45	.62	.79	6.2	21,100	1810	.45	.63	.80
	365	775	7.1	24,200	1280	.45	.62	.79	6.8	23,300	1420	.45	.62	.80	6.6	22,400	1590	.46	.64	.81	6.3	21,400	1820	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-211 — COOLING CAPACITY — C26-26(W)(FC) — CH23-31

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	295	625	6.0	20,400	1260	.75	.91	1.00	5.7	19,600	1390	.76	.93	1.00	5.5	18,800	1570	.78	.95	1.00	5.3	18,000	1780	.79	.97	1.00
	330	700	6.1	20,900	1260	.78	.94	1.00	5.9	20,100	1400	.79	.96	1.00	5.7	19,300	1570	.80	.98	1.00	5.4	18,400	1780	.82	1.00	1.00
	365	775	6.2	21,300	1260	.81	.97	1.00	6.0	20,600	1400	.82	.99	1.00	5.8	19,700	1570	.83	1.00	1.00	5.5	18,900	1780	.85	1.00	1.00
67°F (19.4°C)	295	625	6.3	21,400	1260	.59	.74	.88	6.0	20,600	1400	.60	.75	.90	5.8	19,800	1570	.60	.77	.91	5.5	18,900	1780	.61	.78	.93
	330	700	6.4	21,900	1260	.61	.76	.92	6.2	21,100	1400	.61	.78	.93	5.9	20,300	1570	.62	.80	.95	5.7	19,400	1790	.63	.82	.97
	365	775	6.5	22,300	1270	.62	.79	.95	6.3	21,500	1400	.63	.81	.97	6.1	20,700	1580	.64	.82	.99	5.8	19,700	1790	.65	.85	1.00
71°F (21.7°C)	295	625	6.5	22,200	1270	.44	.59	.74	6.3	21,500	1400	.44	.59	.75	6.1	20,700	1580	.44	.60	.76	5.8	19,800	1800	.45	.61	.77
	330	700	6.7	22,800	1270	.45	.60	.77	6.4	22,000	1410	.45	.61	.78	6.2	21,200	1580	.45	.62	.79	5.9	20,300	1800	.45	.63	.80
	365	775	6.8	23,300	1270	.45	.62	.79	6.6	22,500	1410	.45	.63	.80	6.3	21,600	1590	.46	.64	.82	6.1	20,700	1810	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-211 — HEATING CAPACITY — C26-31(W)(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
295	625	6.7	22,800	1430	5.2	17,700	1395	3.7	12,600	1360	2.4	8300	1180	1.2	4100	895
330	700	6.8	23,100	1410	5.3	18,000	1375	3.8	12,900	1340	2.5	8600	1160	1.3	4400	875
365	775	6.8	23,200	1385	5.3	18,200	1355	3.8	13,100	1320	2.6	8800	1140	1.3	4600	850

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-211 — HEATING CAPACITY — C26-26(W)(FC) — CH23-31

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
295	625	6.7	22,700	1465	5.2	17,800	1365	3.8	12,900	1260	2.5	8600	1070	1.2	4200	810
330	700	6.7	23,000	1445	5.3	18,100	1340	3.9	13,200	1235	2.6	8900	1045	1.3	4500	785
365	775	6.8	23,200	1425	5.4	18,300	1320	3.9	13,400	1215	2.6	9000	1025	1.4	4700	765

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-211 — HEATING PERFORMANCE
C26-31(W)(FC) at 700 cfm (330 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1410	23,100	6.8
60	16	1400	21,800	6.4
55	13	1395	20,600	6.0
50	10	1385	19,300	5.7
47	8	1380	18,600	5.5
45	7	1375	18,000	5.3
40	4	1360	16,600	4.9
35	2	1350	15,100	4.4
30	-1	1345	14,000	4.1
25	-4	1340	12,900	3.8
20	-7	1335	11,800	3.5
17	-8	1335	11,100	3.3
15	-9	1305	10,700	3.1
10	-12	1235	9600	2.8
5	-15	1160	8600	2.5
0	-18	1090	7500	2.2
-5	-21	1015	6500	1.9
-10	-23	945	5400	1.6
-15	-26	875	4400	1.3
-20	-29	800	3300	1.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-211 — HEATING PERFORMANCE
C26-26(W)(FC) — CH23-31 at 700 cfm (330 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1445	23,000	6.7
60	16	1420	21,800	6.4
55	13	1395	20,600	6.0
50	10	1370	19,400	5.7
47	8	1355	18,700	5.5
45	7	1340	18,100	5.3
40	4	1310	16,700	4.9
35	2	1280	15,400	4.5
30	-1	1260	14,300	4.2
25	-4	1235	13,200	3.9
20	-7	1215	12,100	3.5
17	-8	1200	11,500	3.4
15	-9	1175	11,000	3.2
10	-12	1110	10,000	2.9
5	-15	1045	8900	2.6
0	-18	980	7800	2.3
-5	-21	915	6700	2.0
-10	-23	850	5600	1.6
-15	-26	785	4500	1.3
-20	-29	720	3400	1.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-211 — COOLING CAPACITY — CR26-41(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	140	300	4.7	16,200	1250	.62	.75	.83	4.6	15,600	1390	.63	.76	.84	4.4	15,000	1560	.64	.77	.86	4.2	14,400	1770	.65	.78	.87
	285	600	5.8	19,700	1260	.74	.90	1.00	5.5	18,900	1390	.75	.92	1.00	5.3	18,200	1560	.76	.94	1.00	5.1	17,300	1780	.78	.96	1.00
	425	900	6.3	21,400	1260	.85	1.00	1.00	6.1	20,700	1400	.86	1.00	1.00	5.9	20,000	1570	.88	1.00	1.00	5.6	19,200	1790	.90	1.00	1.00
67°F (19.4°C)	140	300	5.0	17,200	1250	.50	.63	.72	4.9	16,600	1390	.51	.63	.73	4.7	16,000	1560	.51	.64	.74	4.5	15,300	1770	.52	.65	.75
	285	600	6.1	20,800	1260	.57	.73	.87	5.9	20,100	1400	.58	.74	.88	5.6	19,200	1570	.59	.76	.90	5.4	18,400	1780	.60	.77	.92
	425	900	6.5	22,300	1270	.64	.84	1.00	6.3	21,500	1410	.65	.86	1.00	6.1	20,700	1580	.66	.88	1.00	5.8	19,800	1800	.67	.90	1.00
71°F (21.7°C)	140	300	5.3	18,200	1250	.39	.51	.61	5.2	17,600	1390	.39	.52	.62	5.0	17,000	1560	.40	.52	.63	4.8	16,300	1770	.40	.52	.63
	285	600	6.4	22,000	1270	.42	.58	.72	6.2	21,200	1400	.42	.58	.73	6.0	20,400	1580	.43	.59	.74	5.7	19,600	1790	.43	.60	.75
	425	900	6.9	23,500	1270	.45	.65	.83	6.7	22,700	1420	.45	.66	.84	6.4	21,900	1590	.46	.67	.86	6.1	20,900	1810	.46	.69	.88

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–261 — COOLING CAPACITY — CB30M–21/26

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	6.8	23,200	1560	.73	.87	.99	6.6	22,400	1750	.74	.89	1.00	6.3	21,500	1970	.76	.90	1.00	6.1	20,700	2200	.77	.92	1.00
	375	800	7.0	23,800	1560	.76	.91	1.00	6.7	22,900	1760	.78	.93	1.00	6.5	22,100	1970	.79	.95	1.00	6.2	21,200	2210	.81	.96	1.00
	425	900	7.1	24,300	1570	.79	.95	1.00	6.9	23,400	1760	.81	.97	1.00	6.6	22,500	1980	.83	.98	1.00	6.4	21,700	2220	.84	.99	1.00
67°F (19.4°C)	330	700	7.3	24,800	1570	.57	.71	.84	7.0	23,900	1770	.58	.72	.85	6.7	23,000	1980	.58	.73	.87	6.5	22,100	2230	.59	.74	.89
	375	800	7.4	25,300	1580	.59	.74	.88	7.1	24,300	1770	.60	.75	.90	6.9	23,400	1990	.61	.77	.91	6.6	22,500	2230	.61	.78	.93
	425	900	7.5	25,700	1580	.61	.77	.92	7.2	24,700	1780	.62	.79	.94	7.0	23,800	2000	.63	.80	.95	6.7	22,800	2240	.64	.82	.97
71°F (21.7°C)	330	700	7.8	26,500	1590	.43	.55	.68	7.5	25,600	1780	.43	.56	.69	7.2	24,600	2010	.43	.57	.70	6.9	23,700	2250	.43	.58	.72
	375	800	7.9	27,000	1590	.43	.57	.71	7.6	26,000	1790	.44	.58	.73	7.4	25,100	2010	.44	.59	.74	7.1	24,100	2260	.44	.60	.76
	425	900	8.0	27,400	1600	.44	.59	.75	7.7	26,400	1800	.44	.60	.76	7.4	25,400	2020	.45	.61	.78	7.2	24,400	2260	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-211 — HEATING CAPACITY — CR26-41(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
140	300	6.6	22,500	1900	5.1	17,300	1840	3.5	11,800	1780	2.3	7900	1590	1.1	3600	1300
285	600	6.9	23,400	1475	5.3	18,200	1415	3.7	12,700	1355	2.6	8800	1160	1.3	4500	875
425	900	7.0	24,000	1355	5.5	18,800	1295	3.9	13,300	1235	2.8	9400	1040	1.5	5100	755

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–261 — HEATING CAPACITY — CB30M–21/26

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
330	700	8.3	28,400	1835	6.5	22,100	1690	4.6	15,600	1550	3.2	10,900	1350	1.6	5,400	1000
380	800	8.4	28,700	1775	6.6	22,400	1630	4.7	15,900	1490	3.3	11,200	1290	1.7	5,700	940
425	900	8.5	29,100	1730	6.7	22,800	1585	4.8	16,300	1445	3.4	11,600	1245	1.8	6,100	895

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-211 — HEATING PERFORMANCE
CR26-41(N)(W) at 600 cfm (285 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1475	23,400	6.9
60	16	1460	22,200	6.5
55	13	1445	21,000	6.2
50	10	1430	19,700	5.8
47	8	1425	19,000	5.6
45	7	1415	18,200	5.3
40	4	1395	16,300	4.8
35	2	1375	14,400	4.2
30	-1	1365	13,600	4.0
25	-4	1355	12,700	3.7
20	-7	1340	11,900	3.5
17	-8	1335	11,400	3.3
15	-9	1305	11,000	3.2
10	-12	1235	9900	2.9
5	-15	1160	8800	2.6
0	-18	1090	7700	2.3
-5	-21	1020	6700	2.0
-10	-23	945	5600	1.6
-15	-26	875	4500	1.3
-20	-29	800	3400	1.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25–261 — HEATING PERFORMANCE
CB30M–21/26 at 800 cfm (380 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1775	28,700	8.4
60	16	1735	27,200	8.0
55	13	1700	25,700	7.5
50	10	1665	24,300	7.1
47	8	1645	23,400	6.9
45	7	1630	22,400	6.6
40	4	1600	20,000	5.9
35	2	1570	17,500	5.1
30	-1	1530	16,700	4.9
25	-4	1490	15,900	4.7
20	-7	1450	15,100	4.4
17	-8	1425	14,600	4.3
15	-9	1410	14,000	4.1
10	-12	1375	12,500	3.7
5	-15	1290	11,200	3.3
0	-18	1200	9,800	2.9
-5	-21	1115	8,500	2.5
-10	-23	1030	7,100	2.1
-15	-26	940	5,700	1.7
-20	-29	855	4,400	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25–261 — COOLING CAPACITY — CB30M–31

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	285	600	6.7	22,700	1550	.70	.83	.95	6.4	21,900	1740	.71	.84	.96	6.2	21,100	1960	.72	.86	.98	5.9	20,300	2200	.73	.87	.99
	375	800	7.0	24,000	1560	.76	.91	1.00	6.8	23,100	1760	.78	.93	1.00	6.5	22,200	1970	.79	.95	1.00	6.3	21,400	2210	.81	.97	1.00
	470	1000	7.3	25,000	1570	.82	.98	1.00	7.1	24,100	1770	.84	.99	1.00	6.8	23,300	1990	.86	1.00	1.00	6.6	22,500	2230	.88	1.00	1.00
67°F (19.4°C)	285	600	7.2	24,400	1560	.55	.67	.79	6.9	23,500	1760	.56	.68	.81	6.6	22,600	1980	.56	.69	.82	6.4	21,700	2220	.57	.70	.84
	375	800	7.5	25,600	1580	.59	.74	.88	7.2	24,600	1770	.60	.75	.90	6.9	23,700	1990	.60	.76	.91	6.7	22,700	2230	.61	.78	.93
	470	1000	7.7	26,400	1580	.63	.80	.96	7.4	25,400	1780	.64	.82	.97	7.2	24,400	2000	.65	.83	.99	6.9	23,400	2240	.66	.85	1.00
71°F (21.7°C)	285	600	7.6	26,100	1580	.42	.53	.65	7.4	25,200	1780	.42	.54	.65	7.1	24,300	2000	.42	.54	.66	6.9	23,400	2240	.43	.55	.68
	375	800	8.0	27,400	1590	.43	.57	.71	7.7	26,400	1790	.44	.58	.72	7.4	25,300	2010	.44	.59	.74	7.2	24,400	2260	.44	.60	.75
	470	1000	8.2	28,100	1600	.45	.61	.78	7.9	27,100	1800	.45	.62	.79	7.6	26,000	2020	.46	.64	.81	7.3	25,000	2270	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-261 — COOLING CAPACITY — CVP10-26/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	355	750	6.7	22,700	1590	.77	.93	1.00	6.4	21,900	1780	.78	.94	1.00	6.1	20,900	1990	.79	.97	1.00	5.9	20,000	2190	.81	.99	1.00
	400	850	6.8	23,300	1590	.80	.97	1.00	6.6	22,400	1790	.81	.98	1.00	6.3	21,600	1990	.82	1.00	1.00	6.1	20,700	2200	.84	1.00	1.00
	450	950	7.0	23,900	1600	.83	.99	1.00	6.7	23,000	1790	.84	1.00	1.00	6.5	22,200	2000	.85	1.00	1.00	6.2	21,300	2210	.87	1.00	1.00
67°F (19.4°C)	355	750	7.1	24,200	1600	.60	.75	.90	6.8	23,300	1800	.61	.76	.91	6.5	22,300	2000	.61	.78	.93	6.2	21,300	2210	.62	.80	.95
	400	850	7.2	24,700	1610	.62	.78	.94	7.0	23,800	1800	.63	.80	.95	6.7	22,800	2010	.63	.82	.97	6.4	21,700	2220	.64	.84	.99
	450	950	7.4	25,200	1610	.64	.81	.97	7.1	24,300	1810	.64	.83	.99	6.8	23,200	2010	.65	.86	1.00	6.5	22,100	2220	.67	.88	1.00
71°F (21.7°C)	355	750	7.5	25,700	1620	.45	.59	.75	7.3	24,800	1820	.45	.60	.76	6.9	23,700	2020	.45	.60	.77	6.7	22,700	2240	.45	.61	.78
	400	850	7.7	26,300	1620	.45	.61	.77	7.4	25,300	1820	.46	.62	.79	7.1	24,300	2030	.46	.63	.80	6.8	23,200	2250	.46	.64	.81
	450	950	7.9	26,800	1630	.46	.63	.80	7.5	25,700	1830	.46	.64	.82	7.2	24,700	2040	.47	.65	.83	6.9	23,600	2260	.47	.67	.85

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–261 — HEATING CAPACITY — CB30M–31

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
285	600	8.3	28,200	1870	6.4	21,800	1755	4.5	15,200	1645	3.0	10,400	1445	1.5	5,100	1090
380	800	8.4	28,800	1740	6.6	22,400	1625	4.6	15,800	1515	3.2	11,000	1315	1.7	5,700	960
470	1000	8.6	29,200	1660	6.7	22,800	1545	4.7	16,200	1435	3.3	11,400	1235	1.8	6,100	880

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-261 — HEATING CAPACITY — CVP10-26/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
355	750	8.4	28,800	1705	6.6	22,600	1565	4.7	16,100	1415	3.3	11,400	1210	1.7	5700	920
400	850	8.5	29,100	1655	6.7	22,900	1515	4.8	16,400	1365	3.4	11,700	1160	1.8	6000	870
450	950	8.6	29,300	1610	6.8	23,100	1470	4.9	16,600	1320	3.5	11,900	1115	1.8	6200	825

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–261 — HEATING PERFORMANCE
CB30M–31 at 800 cfm (380 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1740	28,800	8.4
60	16	1710	27,300	8.0
55	13	1680	25,800	7.6
50	10	1650	24,300	7.1
47	8	1630	23,400	6.9
45	7	1625	22,400	6.6
40	4	1615	19,900	5.8
35	2	1605	17,500	5.1
30	-1	1560	16,600	4.9
25	-4	1515	15,800	4.6
20	-7	1475	14,900	4.4
17	-8	1450	14,400	4.2
15	-9	1435	13,800	4.0
10	-12	1405	12,300	3.6
5	-15	1315	11,000	3.2
0	-18	1225	9,600	2.8
-5	-21	1140	8,300	2.4
-10	-23	1050	7,000	2.1
-15	-26	960	5,700	1.7
-20	-29	870	4,300	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-261 — HEATING PERFORMANCE
CVP10-26/EC10Q3 at 850 cfm (400 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1655	29,100	8.5
60	16	1625	27,600	8.1
55	13	1590	26,200	7.7
50	10	1555	24,700	7.2
47	8	1535	23,800	7.0
45	7	1515	22,900	6.7
40	4	1460	20,400	6.0
35	2	1405	18,000	5.3
30	-1	1385	17,200	5.0
25	-4	1365	16,400	4.8
20	-7	1345	15,600	4.6
17	-8	1330	15,100	4.4
15	-9	1305	14,600	4.3
10	-12	1230	13,100	3.8
5	-15	1160	11,700	3.4
0	-18	1085	10,300	3.0
-5	-21	1015	8800	2.6
-10	-23	945	7400	2.2
-15	-26	870	6000	1.8
-20	-29	800	4500	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-261 — COOLING CAPACITY — C26-26(W)(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	355	750	6.8	23,200	1590	.75	.90	1.00	6.5	22,300	1790	.76	.92	1.00	6.2	21,300	1990	.77	.94	1.00	5.9	20,300	2200	.79	.97	1.00
	400	850	6.9	23,700	1600	.78	.94	1.00	6.7	22,800	1790	.79	.96	1.00	6.4	21,900	2000	.80	.98	1.00	6.2	21,000	2200	.82	1.00	1.00
	450	950	7.1	24,300	1600	.81	.97	1.00	6.9	23,400	1800	.82	.99	1.00	6.6	22,400	2000	.84	1.00	1.00	6.3	21,500	2210	.85	1.00	1.00
67°F (19.4°C)	355	750	7.2	24,400	1600	.59	.73	.88	6.9	23,400	1800	.59	.75	.89	6.6	22,500	2000	.60	.76	.91	6.3	21,500	2210	.61	.78	.93
	400	850	7.3	25,000	1610	.61	.76	.92	7.1	24,100	1810	.61	.78	.93	6.8	23,100	2010	.62	.80	.95	6.4	22,000	2220	.63	.82	.97
	450	950	7.5	25,600	1620	.62	.79	.95	7.2	24,600	1810	.63	.81	.97	6.9	23,600	2020	.64	.83	.99	6.6	22,500	2230	.65	.85	1.00
71°F (21.7°C)	355	750	7.4	25,400	1610	.44	.58	.74	7.2	24,500	1810	.44	.59	.75	6.9	23,500	2020	.44	.60	.76	6.6	22,500	2230	.45	.61	.77
	400	850	7.7	26,200	1620	.44	.60	.76	7.4	25,200	1820	.45	.61	.77	7.1	24,200	2030	.45	.62	.79	6.8	23,200	2250	.45	.63	.80
	450	950	7.9	26,800	1630	.45	.62	.79	7.6	25,800	1830	.45	.63	.80	7.2	24,700	2040	.46	.64	.82	6.9	23,700	2260	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-261 — COOLING CAPACITY — C26-31(W)(FC) — CH23-41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	355	750	7.0	23,800	1600	.75	.90	1.00	6.7	22,900	1790	.76	.92	1.00	6.4	21,900	1990	.77	.94	1.00	6.1	20,900	2200	.79	.97	1.00
	400	850	7.2	24,400	1600	.78	.95	1.00	6.9	23,400	1800	.79	.97	1.00	6.6	22,400	2000	.81	.99	1.00	6.3	21,400	2210	.82	1.00	1.00
	450	950	7.3	24,900	1610	.81	.98	1.00	7.0	24,000	1810	.82	1.00	1.00	6.7	23,000	2010	.84	1.00	1.00	6.5	22,100	2220	.85	1.00	1.00
67°F (19.4°C)	355	750	7.4	25,200	1610	.59	.73	.88	7.1	24,300	1810	.59	.75	.89	6.8	23,300	2010	.60	.76	.91	6.5	22,200	2220	.61	.78	.93
	400	850	7.6	25,900	1620	.60	.76	.91	7.3	24,900	1820	.61	.78	.93	7.0	23,800	2020	.62	.79	.95	6.7	22,700	2240	.63	.82	.97
	450	950	7.8	26,500	1630	.62	.79	.95	7.4	25,400	1830	.63	.81	.97	7.1	24,300	2030	.64	.83	.99	6.8	23,200	2250	.65	.85	1.00
71°F (21.7°C)	355	750	7.8	26,700	1630	.44	.58	.73	7.5	25,700	1830	.44	.58	.74	7.2	24,600	2040	.44	.59	.75	6.9	23,500	2260	.45	.60	.77
	400	850	8.0	27,400	1640	.44	.59	.76	7.7	26,400	1840	.45	.60	.77	7.4	25,200	2050	.45	.62	.78	7.1	24,100	2270	.45	.63	.80
	450	950	8.2	28,000	1650	.45	.61	.79	7.9	26,900	1850	.45	.62	.80	7.6	25,800	2060	.46	.64	.81	7.2	24,500	2280	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-261 — HEATING CAPACITY — C26-26(W)(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
355	750	8.4	28,700	1725	6.6	22,600	1585	4.7	16,200	1440	3.4	11,500	1235	1.7	5800	940
400	850	8.5	28,900	1675	6.7	22,800	1535	4.8	16,400	1390	3.5	11,800	1185	1.8	6000	890
450	950	8.5	29,100	1630	6.7	23,000	1490	4.9	16,700	1350	3.5	12,000	1140	1.8	6200	845

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-261 — HEATING CAPACITY — C26-31(W)(FC) — CH23-41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
355	750	8.4	28,800	1715	6.6	22,600	1590	4.7	16,000	1460	3.3	11,400	1255	1.7	5700	955
400	850	8.5	29,100	1665	6.7	22,800	1540	4.8	16,300	1410	3.4	11,600	1205	1.7	5900	905
450	950	8.6	29,300	1620	6.7	23,000	1495	4.8	16,500	1365	3.5	11,800	1165	1.8	6200	865

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-261 — HEATING PERFORMANCE
C26-26(W)(FC) at 850 cfm (400 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1675	28,900	8.5
60	16	1640	27,500	8.1
55	13	1610	26,100	7.6
50	10	1575	24,600	7.2
47	8	1560	23,800	7.0
45	7	1535	22,800	6.7
40	4	1485	20,400	6.0
35	2	1430	18,000	5.3
30	-1	1410	17,200	5.0
25	-4	1390	16,400	4.8
20	-7	1375	15,700	4.6
17	-8	1365	15,200	4.5
15	-9	1335	14,600	4.3
10	-12	1260	13,200	3.9
5	-15	1185	11,800	3.5
0	-18	1110	10,300	3.0
-5	-21	1040	8900	2.6
-10	-23	965	7400	2.2
-15	-26	890	6000	1.8
-20	-29	815	4600	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-261 — HEATING PERFORMANCE
C26-31(W)(FC) — CH23-41 at 850 cfm (400 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1665	29,100	8.5
60	16	1635	27,600	8.1
55	13	1605	26,100	7.6
50	10	1580	24,700	7.2
47	8	1560	23,800	7.0
45	7	1540	22,800	6.7
40	4	1490	20,400	6.0
35	2	1440	17,900	5.2
30	-1	1425	17,100	5.0
25	-4	1410	16,300	4.8
20	-7	1395	15,500	4.5
17	-8	1385	15,000	4.4
15	-9	1355	14,500	4.2
10	-12	1280	13,000	3.8
5	-15	1205	11,600	3.4
0	-18	1130	10,200	3.0
-5	-21	1055	8800	2.6
-10	-23	980	7300	2.1
-15	-26	905	5900	1.7
-20	-29	830	4500	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-261 — COOLING CAPACITY — C26-41(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	355	750	7.0	23,900	1600	.75	.91	1.00	6.7	22,900	1790	.76	.93	1.00	6.4	21,900	2000	.78	.95	1.00	6.2	21,000	2200	.79	.97	1.00
	400	850	7.2	24,500	1600	.78	.95	1.00	6.9	23,500	1800	.79	.97	1.00	6.6	22,400	2000	.81	.99	1.00	6.3	21,500	2210	.82	1.00	1.00
	450	950	7.3	25,000	1610	.81	.98	1.00	7.0	24,000	1810	.82	1.00	1.00	6.8	23,100	2010	.84	1.00	1.00	6.5	22,200	2220	.85	1.00	1.00
67°F (19.4°C)	355	750	7.4	25,400	1610	.59	.73	.88	7.2	24,400	1810	.60	.75	.89	6.8	23,300	2020	.60	.76	.91	6.5	22,200	2230	.61	.78	.93
	400	850	7.6	26,000	1620	.61	.76	.92	7.3	25,000	1820	.61	.78	.93	7.0	23,900	2030	.62	.80	.95	6.7	22,800	2240	.63	.82	.97
	450	950	7.8	26,600	1630	.62	.79	.95	7.5	25,500	1830	.63	.81	.97	7.2	24,400	2030	.64	.83	.99	6.8	23,200	2250	.65	.85	1.00
71°F (21.7°C)	355	750	7.9	26,800	1630	.44	.58	.73	7.6	25,800	1830	.44	.59	.74	7.2	24,700	2040	.44	.60	.76	6.9	23,600	2260	.45	.61	.77
	400	850	8.1	27,500	1640	.44	.60	.76	7.8	26,500	1840	.45	.61	.77	7.4	25,300	2050	.45	.62	.79	7.1	24,200	2270	.45	.63	.80
	450	950	8.2	28,100	1650	.45	.62	.79	7.9	27,000	1850	.45	.63	.80	7.6	25,800	2060	.46	.64	.82	7.2	24,600	2280	.46	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-261 — COOLING CAPACITY — CR26-41(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	6.3	21,600	1560	.67	.80	.90	6.1	20,800	1760	.68	.82	.92	5.9	20,000	1970	.69	.83	.93	5.6	19,100	2180	.70	.85	.95
	375	800	7.1	24,200	1580	.76	.92	1.00	6.8	23,300	1780	.77	.94	1.00	6.5	22,300	1990	.78	.96	1.00	6.2	21,300	2210	.80	.98	1.00
	520	1100	7.6	25,900	1600	.84	1.00	1.00	7.3	25,000	1800	.86	1.00	1.00	7.1	24,100	2010	.87	1.00	1.00	6.8	23,100	2230	.89	1.00	1.00
67°F (19.4°C)	235	500	6.7	23,000	1570	.53	.66	.77	6.5	22,100	1770	.54	.67	.78	6.2	21,300	1980	.54	.68	.80	6.0	20,400	2200	.55	.69	.81
	375	800	7.6	25,800	1600	.59	.75	.89	7.3	24,800	1800	.59	.76	.90	6.9	23,700	2000	.60	.78	.92	6.7	22,700	2220	.61	.80	.94
	520	1100	8.0	27,200	1610	.64	.83	1.00	7.6	26,100	1810	.65	.85	1.00	7.3	25,000	2020	.66	.87	1.00	7.0	23,900	2240	.67	.90	1.00
71°F (21.7°C)	235	500	7.1	24,300	1580	.41	.53	.66	6.9	23,500	1790	.41	.54	.66	6.6	22,600	1990	.41	.54	.67	6.4	21,700	2210	.42	.55	.68
	375	800	8.0	27,300	1610	.43	.59	.74	7.7	26,300	1820	.43	.60	.75	7.4	25,200	2020	.44	.61	.76	7.1	24,100	2240	.44	.62	.77
	520	1100	8.4	28,800	1630	.45	.64	.82	8.1	27,700	1830	.46	.65	.84	7.8	26,600	2040	.46	.67	.85	7.5	25,500	2260	.46	.68	.87

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-261 — HEATING CAPACITY — C26-41(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
355	750	8.7	29,800	1660	7.3	25,000	1585	5.9	20,300	1505	4.0	13,600	1315	2.0	6800	1000
400	850	8.8	30,000	1610	7.4	25,200	1535	6.0	20,500	1455	4.0	13,800	1265	2.1	7100	950
450	950	8.9	30,300	1565	7.4	25,400	1490	6.1	20,700	1410	4.1	14,000	1220	2.1	7300	905

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-261 — HEATING CAPACITY — CR26-41(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil									
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
235	500	8.2	28,100	1920	6.3	21,600	1865	4.3	14,800	1810	2.9	10,000	1595	1.3	4500	1265
375	800	8.6	29,300	1650	6.7	22,800	1595	4.7	16,000	1540	3.3	11,300	1325	1.7	5800	995
520	1100	8.7	29,800	1525	6.8	23,300	1470	4.8	16,500	1415	3.5	11,800	1200	1.8	6200	870

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-261 — HEATING PERFORMANCE C26-41(FC) at 850 cfm (400 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1610	30,000	8.8
60	16	1595	28,800	8.4
55	13	1580	27,500	8.1
50	10	1560	26,200	7.7
47	8	1550	25,500	7.5
45	7	1535	25,200	7.4
40	4	1500	24,500	7.2
35	2	1460	23,800	7.0
30	-1	1460	22,200	6.5
25	-4	1455	20,500	6.0
20	-7	1455	18,900	5.5
17	-8	1455	17,900	5.2
15	-9	1420	17,200	5.0
10	-12	1345	15,500	4.5
5	-15	1265	13,800	4.0
0	-18	1185	12,100	3.5
-5	-21	1110	10,400	3.0
-10	-23	1030	8700	2.5
-15	-26	950	7100	2.1
-20	-29	870	5400	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-261 — HEATING PERFORMANCE CR26-41(N)(W) at 800 cfm (375 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	1650	29,300	8.6
60	16	1635	27,800	8.1
55	13	1625	26,300	7.7
50	10	1610	24,700	7.2
47	8	1600	23,800	7.0
45	7	1595	22,800	6.7
40	4	1580	20,300	5.9
35	2	1565	17,900	5.2
30	-1	1550	17,000	5.0
25	-4	1540	16,000	4.7
20	-7	1530	15,100	4.4
17	-8	1520	14,600	4.3
15	-9	1490	14,000	4.1
10	-12	1405	12,700	3.7
5	-15	1325	11,300	3.3
0	-18	1240	9900	2.9
-5	-21	1160	8500	2.5
-10	-23	1075	7100	2.1
-15	-26	995	5800	1.7
-20	-29	910	4400	1.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25–311 — COOLING CAPACITY — CB30M–31

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	400	850	8.6	29,500	1930	.73	.86	.98	8.4	28,500	2160	.74	.88	.99	8.0	27,400	2430	.75	.89	1.00	7.7	26,200	2730	.76	.91	1.00
	470	1000	8.9	30,400	1930	.76	.91	1.00	8.6	29,300	2170	.78	.93	1.00	8.3	28,200	2430	.79	.95	1.00	7.9	27,000	2740	.81	.96	1.00
	540	1150	9.1	31,100	1930	.80	.96	1.00	8.8	30,000	2170	.81	.97	1.00	8.5	28,900	2440	.83	.99	1.00	8.1	27,700	2740	.85	1.00	1.00
67°F (19.4°C)	400	850	9.2	31,500	1940	.57	.70	.83	8.9	30,400	2170	.57	.71	.84	8.6	29,200	2440	.58	.72	.86	8.2	27,900	2740	.59	.74	.88
	470	1000	9.4	32,200	1940	.59	.74	.88	9.1	31,100	2170	.60	.75	.90	8.7	29,800	2440	.61	.77	.91	8.4	28,500	2750	.62	.78	.94
	540	1150	9.6	32,800	1940	.61	.78	.93	9.3	31,600	2180	.62	.79	.94	8.9	30,300	2450	.63	.81	.96	8.5	29,000	2760	.64	.83	.98
71°F (21.7°C)	400	850	9.9	33,700	1940	.43	.55	.67	9.5	32,500	2180	.43	.56	.68	9.1	31,200	2450	.43	.56	.70	8.8	29,900	2760	.43	.57	.71
	470	1000	10.1	34,400	1940	.43	.57	.71	9.7	33,200	2180	.44	.58	.73	9.3	31,900	2450	.44	.59	.74	8.9	30,500	2760	.44	.60	.76
	540	1150	10.3	35,000	1940	.44	.60	.75	9.9	33,700	2180	.45	.61	.77	9.5	32,400	2460	.45	.62	.79	9.1	30,900	2760	.45	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–311 — COOLING CAPACITY — CB30M–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.8	30,000	1930	.74	.88	.99	8.5	28,900	2160	.75	.89	1.00	8.1	27,800	2430	.76	.91	1.00	7.8	26,600	2730	.78	.93	1.00
	470	1000	8.9	30,500	1930	.76	.91	1.00	8.6	29,400	2170	.78	.93	1.00	8.3	28,300	2430	.79	.95	1.00	7.9	27,100	2740	.81	.97	1.00
	520	1100	9.1	31,000	1930	.79	.94	1.00	8.8	29,900	2170	.80	.96	1.00	8.4	28,800	2440	.82	.98	1.00	8.1	27,600	2740	.84	.99	1.00
67°F (19.4°C)	425	900	9.3	31,900	1940	.57	.71	.84	9.0	30,800	2170	.58	.72	.86	8.7	29,600	2440	.59	.74	.88	8.3	28,300	2750	.60	.75	.90
	470	1000	9.5	32,400	1940	.59	.74	.88	9.2	31,300	2180	.60	.75	.90	8.8	30,000	2440	.60	.77	.91	8.4	28,700	2750	.62	.78	.94
	520	1100	9.6	32,900	1940	.60	.76	.91	9.3	31,700	2180	.61	.78	.93	8.9	30,400	2450	.62	.79	.95	8.5	29,000	2760	.63	.81	.97
71°F (21.7°C)	425	900	10.0	34,200	1940	.43	.56	.69	9.6	32,900	2180	.43	.56	.70	9.3	31,600	2450	.43	.57	.71	8.9	30,300	2760	.44	.58	.73
	470	1000	10.2	34,700	1940	.43	.57	.71	9.8	33,400	2180	.44	.58	.73	9.4	32,100	2460	.44	.59	.74	9.0	30,600	2760	.44	.60	.76
	520	1100	10.3	35,100	1940	.44	.59	.74	9.9	33,800	2180	.44	.60	.75	9.5	32,400	2460	.45	.61	.77	9.1	31,000	2770	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–311 — HEATING CAPACITY — CB30M–31

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
400	850	10.7	36,500	2415	8.3	28,200	2225	5.7	19,600	2015	3.9	13,200	1840	1.9	6,600	1365
470	1000	10.8	36,900	2320	8.4	28,600	2130	5.9	20,000	1920	4.0	13,600	1745	2.1	7,000	1270
545	1150	11.0	37,400	2265	8.5	29,100	2075	6.0	20,500	1865	4.1	14,100	1690	2.2	7,500	1215

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–311 — HEATING CAPACITY — CB30M–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.8	36,900	2355	8.4	28,500	2155	5.8	19,800	1945	3.9	13,300	1750	2.0	6,700	1290
470	1000	10.9	37,200	2310	8.4	28,800	2110	5.9	20,100	1900	4.0	13,600	1705	2.1	7,000	1245
520	1100	11.0	37,400	2270	8.5	29,000	2070	5.9	20,300	1860	4.0	13,800	1665	2.1	7,200	1205

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–311 — HEATING PERFORMANCE CB30M–31 at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2320	36,900	10.8
60	16	2280	34,900	10.2
55	13	2235	32,900	9.6
50	10	2195	31,000	9.1
47	8	2170	29,800	8.7
45	7	2130	28,600	8.4
40	4	2025	25,600	7.5
35	2	1920	22,600	6.6
30	-1	1920	21,300	6.2
25	-4	1920	20,000	5.9
20	-7	1920	18,800	5.5
17	-8	1920	18,000	5.3
15	-9	1905	17,200	5.0
10	-12	1865	15,200	4.5
5	-15	1745	13,600	4.0
0	-18	1625	12,000	3.5
-5	-21	1510	10,300	3.0
-10	-23	1390	8,700	2.5
-15	-26	1270	7,000	2.1
-20	-29	1155	5,400	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25–311 — HEATING PERFORMANCE CB30M–41 at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2310	37,200	10.9
60	16	2265	35,200	10.3
55	13	2220	33,200	9.7
50	10	2175	31,200	9.1
47	8	2150	30,000	8.8
45	7	2110	28,800	8.4
40	4	2020	25,700	7.5
35	2	1925	22,700	6.7
30	-1	1915	21,400	6.3
25	-4	1900	20,100	5.9
20	-7	1890	18,800	5.5
17	-8	1880	18,000	5.3
15	-9	1865	17,200	5.0
10	-12	1820	15,200	4.5
5	-15	1705	13,600	4.0
0	-18	1590	11,900	3.5
-5	-21	1475	10,300	3.0
-10	-23	1360	8,700	2.5
-15	-26	1245	7,000	2.1
-20	-29	1130	5,400	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25-311 — COOLING CAPACITY — CB31MV–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.7	29,800	1930	.74	.88	.99	8.4	28,700	2160	.75	.89	1.00	8.1	27,600	2430	.76	.91	1.00	7.7	26,400	2730	.78	.93	1.00
	460	975	8.9	30,200	1930	.76	.90	1.00	8.5	29,100	2160	.77	.92	1.00	8.2	28,000	2430	.78	.94	1.00	7.9	26,800	2740	.80	.96	1.00
	515	1090	9.0	30,800	1930	.79	.94	1.00	8.7	29,700	2170	.80	.96	1.00	8.4	28,600	2430	.81	.97	1.00	8.0	27,400	2740	.83	.99	1.00
67°F (19.4°C)	425	900	9.3	31,700	1940	.57	.71	.84	9.0	30,600	2170	.58	.72	.86	8.6	29,400	2440	.59	.74	.88	8.2	28,100	2750	.60	.75	.90
	460	975	9.4	32,100	1940	.59	.73	.87	9.1	31,000	2170	.59	.74	.89	8.7	29,700	2440	.60	.76	.91	8.3	28,400	2750	.61	.78	.93
	515	1090	9.6	32,600	1940	.60	.76	.91	9.2	31,400	2180	.61	.78	.93	8.9	30,200	2440	.62	.79	.94	8.4	28,800	2750	.63	.81	.96
71°F (21.7°C)	425	900	10.0	34,000	1940	.43	.56	.69	9.6	32,700	2180	.43	.56	.70	9.2	31,400	2450	.43	.57	.71	8.8	30,100	2760	.44	.58	.73
	460	975	10.1	34,300	1940	.43	.57	.71	9.7	33,100	2180	.43	.58	.72	9.3	31,800	2450	.44	.59	.73	8.9	30,400	2760	.44	.60	.75
	515	1090	10.2	34,800	1940	.44	.59	.74	9.8	33,500	2180	.44	.60	.75	9.4	32,200	2450	.45	.61	.77	9.0	30,800	2760	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — COOLING CAPACITY — CVP10-31/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.3	28,300	1980	.74	.89	1.00	8.0	27,200	2210	.75	.91	1.00	7.6	26,100	2490	.76	.93	1.00	7.3	25,000	2840	.78	.95	1.00
	470	1000	8.5	28,900	1980	.76	.92	1.00	8.1	27,800	2210	.78	.94	1.00	7.8	26,700	2490	.79	.96	1.00	7.5	25,500	2840	.80	.98	1.00
	520	1100	8.6	29,400	1980	.79	.95	1.00	8.3	28,300	2210	.80	.97	1.00	8.0	27,200	2490	.82	.99	1.00	7.6	26,100	2850	.83	1.00	1.00
67°F (19.4°C)	425	900	8.9	30,200	1980	.58	.72	.86	8.5	29,100	2210	.58	.73	.88	8.2	28,000	2490	.59	.75	.89	7.8	26,700	2850	.60	.77	.91
	470	1000	9.1	30,900	1980	.59	.74	.89	8.7	29,700	2210	.60	.75	.91	8.4	28,500	2500	.61	.77	.93	8.0	27,200	2860	.61	.80	.95
	520	1100	9.2	31,300	1980	.61	.76	.93	8.9	30,200	2210	.61	.78	.94	8.5	29,000	2500	.62	.80	.96	8.1	27,700	2860	.63	.82	.98
71°F (21.7°C)	425	900	9.4	32,000	1980	.43	.56	.72	9.1	30,900	2210	.43	.58	.73	8.7	29,700	2500	.43	.59	.74	8.4	28,500	2860	.44	.60	.75
	470	1000	9.6	32,700	1980	.43	.58	.74	9.3	31,600	2210	.44	.59	.75	8.9	30,400	2500	.44	.60	.76	8.5	29,100	2870	.44	.62	.78
	520	1100	9.8	33,300	1990	.44	.60	.76	9.4	32,100	2210	.44	.61	.77	9.1	30,900	2500	.44	.62	.79	8.6	29,500	2870	.45	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–311 — HEATING CAPACITY — CB31MV–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.3	35,300	2090	7.9	27,000	1955	5.3	18,200	1820	3.9	13,200	1610	2.0	6,700	1180
460	975	10.4	35,500	2055	8.0	27,200	1920	5.4	18,400	1785	3.9	13,400	1575	2.0	6,900	1145
515	1090	10.5	35,800	2005	8.1	27,500	1870	5.5	18,700	1735	4.0	13,700	1525	2.1	7,200	1095

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING CAPACITY — CVP10-31/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.5	35,700	2250	8.2	28,000	1995	5.9	20,000	1740	4.0	13,700	1460	1.9	6600	1105
470	1000	10.7	36,500	2205	8.4	28,700	1955	6.1	20,800	1695	4.2	14,500	1415	2.2	7400	1065
520	1100	10.6	36,300	2155	8.4	28,500	1905	6.0	20,500	1645	4.2	14,300	1365	2.1	7200	1015

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–311 — HEATING PERFORMANCE
CB31MV–41 at 975 cfm (460 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2055	35,500	10.4
60	16	2020	33,700	9.9
55	13	1990	31,800	9.3
50	10	1955	29,900	8.8
47	8	1935	28,800	8.4
45	7	1920	27,200	8.0
40	4	1885	23,300	6.8
35	2	1850	19,500	5.7
30	-1	1815	18,900	5.5
25	-4	1785	18,400	5.4
20	-7	1750	17,900	5.2
17	-8	1730	17,600	5.2
15	-9	1715	16,900	5.0
10	-12	1680	15,000	4.4
5	-15	1575	13,400	3.9
0	-18	1465	11,800	3.5
-5	-21	1360	10,100	3.0
-10	-23	1250	8,500	2.5
-15	-26	1145	6,900	2.0
-20	-29	1035	5,300	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-311 — HEATING PERFORMANCE
CVP10-31/EC10Q3 at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2205	36,500	10.7
60	16	2145	34,600	10.1
55	13	2085	32,800	9.6
50	10	2025	30,900	9.1
47	8	1990	29,800	8.7
45	7	1955	28,700	8.4
40	4	1870	26,000	7.6
35	2	1785	23,300	6.8
30	-1	1740	22,000	6.4
25	-4	1695	20,800	6.1
20	-7	1655	19,500	5.7
17	-8	1625	18,700	5.5
15	-9	1590	18,000	5.3
10	-12	1505	16,300	4.8
5	-15	1415	14,500	4.2
0	-18	1325	12,700	3.7
-5	-21	1240	10,900	3.2
-10	-23	1150	9200	2.7
-15	-26	1065	7400	2.2
-20	-29	975	5600	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-311 — COOLING CAPACITY — CVP10-41/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.5	28,900	1980	.74	.89	1.00	8.1	27,800	2200	.75	.91	1.00	7.8	26,700	2480	.77	.93	1.00	7.5	25,500	2840	.78	.96	1.00
	470	1000	8.6	29,400	1980	.77	.92	1.00	8.3	28,400	2210	.78	.94	1.00	8.0	27,200	2490	.79	.97	1.00	7.6	26,100	2850	.81	.99	1.00
	520	1100	8.8	30,000	1980	.79	.95	1.00	8.5	29,000	2210	.80	.97	1.00	8.2	27,900	2490	.82	.99	1.00	7.8	26,700	2850	.83	1.00	1.00
67°F (19.4°C)	425	900	9.0	30,700	1980	.58	.72	.87	8.7	29,700	2210	.59	.74	.88	8.4	28,600	2490	.59	.75	.90	8.0	27,200	2850	.60	.77	.91
	470	1000	9.2	31,400	1980	.59	.75	.90	8.9	30,300	2210	.60	.76	.91	8.5	29,100	2500	.61	.78	.93	8.1	27,800	2860	.62	.80	.95
	520	1100	9.4	32,000	1980	.61	.77	.93	9.0	30,800	2210	.62	.78	.95	8.7	29,600	2500	.62	.80	.96	8.3	28,200	2860	.64	.83	.99
71°F (21.7°C)	425	900	9.6	32,600	1980	.43	.57	.72	9.3	31,600	2210	.43	.58	.73	8.9	30,300	2500	.43	.59	.74	8.5	29,100	2870	.44	.60	.75
	470	1000	9.8	33,400	1990	.44	.59	.75	9.4	32,200	2220	.44	.59	.76	9.1	31,000	2500	.44	.61	.77	8.7	29,600	2870	.44	.62	.78
	520	1100	10.0	34,000	1990	.44	.60	.77	9.6	32,700	2220	.44	.60	.78	9.2	31,400	2510	.45	.62	.79	8.8	30,100	2870	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — COOLING CAPACITY — C26-31(W)(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.7	29,700	1980	.73	.88	1.00	8.4	28,600	2200	.75	.90	1.00	8.0	27,400	2480	.76	.92	1.00	7.6	26,000	2840	.77	.95	1.00
	470	1000	8.9	30,400	1980	.76	.91	1.00	8.6	29,200	2210	.77	.93	1.00	8.2	27,900	2490	.78	.96	1.00	7.8	26,600	2850	.80	.98	1.00
	520	1100	9.1	30,900	1980	.78	.94	1.00	8.7	29,800	2210	.80	.96	1.00	8.3	28,400	2490	.81	.98	1.00	8.0	27,300	2850	.83	1.00	1.00
67°F (19.4°C)	425	900	9.2	31,500	1980	.57	.72	.86	8.9	30,300	2210	.58	.73	.87	8.5	29,100	2500	.59	.74	.89	8.1	27,800	2860	.60	.76	.91
	470	1000	9.4	32,200	1980	.59	.74	.89	9.1	31,000	2210	.60	.75	.90	8.7	29,700	2500	.60	.77	.92	8.3	28,400	2860	.61	.79	.94
	520	1100	9.6	32,900	1980	.60	.76	.92	9.3	31,600	2210	.61	.78	.94	8.9	30,200	2500	.62	.79	.96	8.4	28,800	2860	.63	.81	.98
71°F (21.7°C)	425	900	9.7	33,200	1980	.43	.57	.72	9.4	32,000	2210	.43	.57	.73	9.0	30,800	2500	.43	.58	.74	8.6	29,300	2870	.43	.59	.75
	470	1000	9.9	33,900	1990	.43	.58	.74	9.6	32,700	2220	.43	.59	.75	9.2	31,400	2510	.44	.60	.76	8.8	30,000	2870	.44	.61	.78
	520	1100	10.1	34,600	1990	.44	.60	.76	9.8	33,300	2220	.44	.61	.77	9.3	31,900	2510	.44	.62	.79	8.9	30,500	2870	.45	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — HEATING CAPACITY — CVP10-41/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.6	36,000	2190	8.2	28,100	1950	5.9	20,100	1710	4.0	13,800	1435	2.0	6700	1090
470	1000	10.8	36,700	2145	8.5	28,900	1910	6.1	20,800	1665	4.2	14,500	1395	2.2	7400	1045
520	1100	10.7	36,500	2095	8.4	28,700	1860	6.0	20,600	1615	4.2	14,300	1345	2.1	7200	995

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING CAPACITY — C26-31(W)(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.5	35,800	2200	8.2	28,000	2010	5.8	19,900	1815	4.0	13,600	1545	1.9	6600	1170
470	1000	10.7	36,600	2155	8.4	28,700	1965	6.1	20,700	1770	4.2	14,400	1500	2.1	7300	1130
520	1100	10.7	36,400	2105	8.4	28,500	1915	6.0	20,400	1720	4.2	14,200	1450	2.1	7100	1080

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING PERFORMANCE
CVP10-41/EC10Q3 at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2145	36,700	10.8
60	16	2090	34,900	10.2
55	13	2030	33,000	9.7
50	10	1975	31,100	9.1
47	8	1940	30,000	8.8
45	7	1910	28,900	8.5
40	4	1825	26,200	7.7
35	2	1745	23,400	6.9
30	-1	1705	22,100	6.5
25	-4	1665	20,800	6.1
20	-7	1625	19,600	5.7
17	-8	1600	18,800	5.5
15	-9	1565	18,100	5.3
10	-12	1480	16,300	4.8
5	-15	1395	14,500	4.2
0	-18	1305	12,700	3.7
-5	-21	1220	11,000	3.2
-10	-23	1135	9200	2.7
-15	-26	1045	7400	2.2
-20	-29	960	5600	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-311 — HEATING PERFORMANCE
C26-31(W)(FC) at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2155	36,600	10.7
60	16	2110	34,700	10.2
55	13	2065	32,800	9.6
50	10	2020	31,000	9.1
47	8	1995	29,800	8.7
45	7	1965	28,700	8.4
40	4	1895	26,000	7.6
35	2	1825	23,200	6.8
30	-1	1795	22,000	6.4
25	-4	1770	20,700	6.1
20	-7	1740	19,400	5.7
17	-8	1725	18,600	5.5
15	-9	1690	17,900	5.2
10	-12	1595	16,100	4.7
5	-15	1500	14,400	4.2
0	-18	1410	12,600	3.7
-5	-21	1315	10,900	3.2
-10	-23	1220	9100	2.7
-15	-26	1130	7300	2.1
-20	-29	1035	5600	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-311 — COOLING CAPACITY — C26-41(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.8	29,900	1980	.74	.89	1.00	8.4	28,700	2200	.75	.90	1.00	8.1	27,500	2480	.76	.92	1.00	7.6	26,100	2840	.78	.95	1.00
	470	1000	9.0	30,600	1980	.76	.92	1.00	8.6	29,300	2210	.77	.94	1.00	8.2	28,100	2490	.79	.96	1.00	7.8	26,700	2850	.80	.98	1.00
	520	1100	9.1	31,100	1980	.78	.95	1.00	8.7	29,800	2210	.80	.97	1.00	8.4	28,600	2490	.81	.99	1.00	8.0	27,300	2850	.83	1.00	1.00
67°F (19.4°C)	425	900	9.3	31,700	1980	.58	.72	.86	8.9	30,500	2210	.58	.73	.88	8.6	29,200	2500	.59	.75	.89	8.2	27,900	2860	.60	.76	.91
	470	1000	9.5	32,400	1980	.59	.74	.89	9.1	31,100	2210	.60	.76	.91	8.8	29,900	2500	.61	.77	.92	8.3	28,400	2860	.61	.79	.95
	520	1100	9.7	33,000	1980	.60	.76	.92	9.3	31,700	2210	.61	.78	.94	8.9	30,400	2500	.62	.80	.96	8.5	28,900	2860	.63	.82	.98
71°F (21.7°C)	425	900	9.8	33,400	1990	.43	.57	.72	9.4	32,200	2210	.43	.58	.73	9.1	30,900	2500	.43	.58	.74	8.6	29,500	2870	.44	.60	.75
	470	1000	10.0	34,100	1990	.43	.58	.74	9.6	32,800	2220	.44	.59	.75	9.2	31,500	2510	.44	.60	.76	8.8	30,100	2870	.44	.61	.78
	520	1100	10.2	34,800	1990	.44	.60	.76	9.8	33,400	2220	.44	.61	.78	9.4	32,100	2510	.45	.62	.79	9.0	30,600	2870	.45	.63	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — COOLING CAPACITY — CR26-41(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	8.1	27,600	2030	.68	.82	.93	7.8	26,500	2290	.69	.84	.94	7.4	25,400	2550	.70	.85	.96	7.1	24,300	2810	.71	.87	.98
	470	1000	8.8	30,000	2030	.75	.91	1.00	8.5	28,900	2280	.77	.93	1.00	8.1	27,600	2540	.78	.95	1.00	7.7	26,300	2800	.80	.97	1.00
	615	1300	9.2	31,500	2030	.82	.99	1.00	8.9	30,400	2290	.84	1.00	1.00	8.6	29,200	2550	.85	1.00	1.00	8.2	28,000	2810	.87	1.00	1.00
67°F (19.4°C)	330	700	8.6	29,300	2030	.54	.67	.79	8.3	28,300	2280	.55	.68	.80	7.9	27,100	2540	.55	.70	.82	7.6	26,000	2810	.56	.71	.83
	470	1000	9.3	31,900	2030	.58	.74	.88	9.0	30,600	2290	.59	.75	.90	8.6	29,400	2550	.60	.77	.92	8.2	28,000	2810	.61	.79	.94
	615	1300	9.8	33,400	2030	.63	.80	.98	9.4	32,200	2280	.64	.82	.99	9.0	30,800	2540	.65	.84	1.00	8.6	29,300	2810	.66	.87	1.00
71°F (21.7°C)	330	700	9.1	31,000	2030	.41	.54	.67	8.8	29,900	2290	.41	.55	.68	8.4	28,800	2540	.42	.55	.68	8.1	27,600	2810	.42	.56	.69
	470	1000	9.9	33,700	2030	.43	.58	.73	9.5	32,500	2280	.43	.59	.74	9.1	31,100	2540	.43	.60	.76	8.7	29,800	2810	.44	.61	.77
	615	1300	10.3	35,300	2030	.45	.62	.80	10.0	34,000	2280	.45	.64	.81	9.6	32,700	2540	.45	.65	.83	9.1	31,200	2810	.46	.66	.85

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — HEATING CAPACITY — C26-41(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.5	35,900	2160	8.2	28,000	1995	5.8	19,900	1825	4.0	13,600	1565	1.9	6600	1185
470	1000	10.8	36,700	2120	8.4	28,800	1955	6.1	20,700	1780	4.2	14,400	1520	2.1	7300	1140
520	1100	10.7	36,400	2070	8.4	28,600	1905	6.0	20,400	1730	4.1	14,100	1470	2.1	7100	1090

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING CAPACITY — CR26-41(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
330	700	10.3	35,100	2600	8.2	28,000	2330	6.1	20,900	2050	4.0	13,700	1745	1.9	6400	1355
470	1000	10.7	36,400	2415	8.6	29,300	2145	6.5	22,200	1865	4.4	15,000	1560	2.3	7700	1170
615	1300	10.8	36,900	2230	8.7	29,800	1955	6.7	22,700	1680	4.5	15,500	1370	2.4	8200	985

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING PERFORMANCE C26-41(FC) at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2120	36,700	10.8
60	16	2080	34,800	10.2
55	13	2040	32,900	9.6
50	10	2000	31,000	9.1
47	8	1980	29,900	8.8
45	7	1955	28,800	8.4
40	4	1890	26,000	7.6
35	2	1825	23,300	6.8
30	-1	1800	22,000	6.4
25	-4	1780	20,700	6.1
20	-7	1760	19,400	5.7
17	-8	1745	18,600	5.5
15	-9	1710	17,900	5.2
10	-12	1615	16,100	4.7
5	-15	1520	14,400	4.2
0	-18	1425	12,600	3.7
-5	-21	1330	10,800	3.2
-10	-23	1235	9100	2.7
-15	-26	1140	7300	2.1
-20	-29	1050	5600	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-311 — HEATING PERFORMANCE CR26-41(N)(W) at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2415	36,400	10.7
60	16	2350	34,600	10.1
55	13	2285	32,800	9.6
50	10	2220	31,100	9.1
47	8	2180	30,000	8.8
45	7	2145	29,300	8.6
40	4	2050	27,500	8.1
35	2	1960	25,800	7.6
30	-1	1910	24,000	7.0
25	-4	1865	22,200	6.5
20	-7	1820	20,500	6.0
17	-8	1790	19,400	5.7
15	-9	1750	18,700	5.5
10	-12	1655	16,800	4.9
5	-15	1560	15,000	4.4
0	-18	1460	13,200	3.9
-5	-21	1365	11,300	3.3
-10	-23	1270	9500	2.8
-15	-26	1170	7700	2.3
-20	-29	1075	5800	1.7

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-311 — COOLING CAPACITY — CR26-51(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	8.2	27,900	2030	.68	.82	.93	7.9	27,000	2280	.69	.83	.94	7.6	25,900	2550	.70	.85	.95	7.3	24,800	2810	.71	.87	.97
	470	1000	8.9	30,200	2040	.75	.90	1.00	8.6	29,200	2280	.76	.93	1.00	8.2	28,000	2540	.78	.95	1.00	7.9	26,800	2800	.79	.97	1.00
	615	1300	9.3	31,700	2030	.83	.98	1.00	9.0	30,600	2290	.84	.99	1.00	8.7	29,600	2550	.85	1.00	1.00	8.4	28,500	2810	.87	1.00	1.00
67°F (19.4°C)	330	700	8.7	29,600	2030	.54	.68	.79	8.4	28,700	2280	.55	.69	.80	8.1	27,600	2540	.55	.70	.81	7.8	26,500	2810	.56	.71	.83
	470	1000	9.4	32,100	2030	.58	.74	.88	9.1	31,100	2290	.59	.75	.90	8.8	29,900	2550	.60	.77	.91	8.4	28,600	2810	.61	.78	.93
	615	1300	9.9	33,700	2030	.63	.79	.98	9.6	32,600	2280	.63	.81	.99	9.2	31,400	2540	.64	.83	1.00	8.8	29,900	2810	.65	.86	1.00
71°F (21.7°C)	330	700	9.2	31,400	2030	.41	.54	.67	8.9	30,300	2290	.41	.55	.67	8.6	29,300	2540	.41	.55	.68	8.3	28,200	2810	.42	.56	.69
	470	1000	10.0	34,000	2030	.43	.58	.73	9.6	32,900	2280	.43	.59	.74	9.3	31,700	2540	.43	.60	.75	8.9	30,400	2810	.44	.61	.77
	615	1300	10.4	35,600	2030	.44	.62	.80	10.1	34,400	2280	.45	.63	.81	9.8	33,300	2540	.45	.64	.82	9.3	31,900	2810	.45	.66	.84

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — COOLING CAPACITY — CH23-51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.4	28,600	2430	.74	.88	1.00	8.1	27,600	2720	.75	.90	1.00	7.8	26,500	3050	.77	.92	1.00	7.4	25,400	3440	.78	.94	1.00
	470	1000	8.5	29,100	2430	.77	.92	1.00	8.2	28,100	2730	.78	.93	1.00	7.9	27,000	3060	.79	.95	1.00	7.6	25,900	3440	.81	.97	1.00
	520	1100	8.7	29,600	2430	.79	.95	1.00	8.4	28,600	2730	.81	.96	1.00	8.1	27,500	3060	.82	.98	1.00	7.7	26,400	3450	.84	.99	1.00
67°F (19.4°C)	425	900	8.9	30,500	2440	.58	.71	.85	8.6	29,400	2730	.58	.73	.86	8.3	28,200	3070	.59	.74	.88	7.9	27,000	3460	.60	.76	.90
	470	1000	9.1	30,900	2440	.59	.74	.88	8.7	29,800	2740	.60	.76	.90	8.4	28,600	3080	.61	.77	.92	8.0	27,400	3460	.62	.79	.94
	520	1100	9.2	31,300	2440	.61	.77	.92	8.9	30,200	2740	.62	.78	.93	8.5	28,900	3080	.63	.80	.95	8.1	27,700	3470	.64	.82	.97
71°F (21.7°C)	425	900	9.5	32,500	2440	.43	.56	.69	9.2	31,300	2750	.43	.57	.70	8.8	30,100	3090	.43	.58	.72	8.4	28,800	3480	.44	.58	.73
	470	1000	9.7	33,000	2450	.43	.58	.72	9.3	31,800	2750	.44	.58	.73	8.9	30,500	3090	.44	.59	.75	8.6	29,200	3480	.44	.60	.76
	520	1100	9.8	33,400	2450	.44	.59	.74	9.4	32,200	2750	.44	.60	.76	9.1	30,900	3090	.45	.61	.78	8.6	29,500	3480	.45	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-311 — HEATING CAPACITY — CR26-51(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
330	700	10.6	36,000	2690	8.3	28,300	2385	5.9	20,300	2070	4.2	14,300	1755	2.0	6900	1380
470	1000	10.8	36,900	2450	8.6	29,200	2140	6.2	21,200	1830	4.5	15,200	1515	2.3	7700	1140
615	1300	11.0	37,500	2310	8.7	29,800	2005	6.4	21,800	1690	4.6	15,800	1375	2.5	8400	1000

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–311 — HEATING CAPACITY — CH23–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	10.7	36,600	2155	8.3	28,400	2045	5.9	20,100	1930	3.9	13,300	1730	2.0	6,700	1270
470	1000	10.8	36,900	2095	8.4	28,700	1985	6.0	20,400	1870	4.0	13,600	1670	2.1	7,000	1210
520	1100	10.9	37,200	2050	8.5	29,000	1940	6.1	20,700	1825	4.1	13,900	1625	2.1	7,300	1165

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-311 — HEATING PERFORMANCE
CR26-51(N)(W) at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2450	36,900	10.8
60	16	2375	35,100	10.3
55	13	2300	33,300	9.8
50	10	2225	31,500	9.2
47	8	2185	30,400	8.9
45	7	2140	29,200	8.6
40	4	2040	26,100	7.6
35	2	1940	23,100	6.8
30	-1	1885	22,100	6.5
25	-4	1830	21,200	6.2
20	-7	1775	20,200	5.9
17	-8	1740	19,600	5.7
15	-9	1705	18,900	5.5
10	-12	1610	17,000	5.0
5	-15	1515	15,200	4.5
0	-18	1420	13,300	3.9
-5	-21	1325	11,400	3.3
-10	-23	1230	9600	2.8
-15	-26	1140	7700	2.3
-20	-29	1045	5900	1.7

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25–311 — HEATING PERFORMANCE
CH23-51 at 1000 cfm (470 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2095	36,900	10.8
60	16	2070	34,900	10.2
55	13	2040	32,900	9.6
50	10	2010	31,000	9.1
47	8	1995	29,800	8.7
45	7	1985	28,700	8.4
40	4	1955	26,000	7.6
35	2	1925	23,300	6.8
30	-1	1900	21,800	6.4
25	-4	1870	20,400	6.0
20	-7	1840	18,900	5.5
17	-8	1825	18,000	5.3
15	-9	1815	17,200	5.0
10	-12	1785	15,200	4.5
5	-15	1670	13,600	4.0
0	-18	1555	12,000	3.5
-5	-21	1440	10,300	3.0
-10	-23	1325	8,700	2.5
-15	-26	1210	7,000	2.1
-20	-29	1095	5,400	1.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25–411–413 — COOLING CAPACITY — CB30M–31

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.2	34,800	2330	.74	.88	.99	9.8	33,600	2590	.75	.89	1.00	9.5	32,300	2880	.76	.91	1.00	9.1	31,000	3210	.78	.93	1.00
	540	1150	10.3	35,300	2330	.76	.90	1.00	10.0	34,100	2590	.77	.92	1.00	9.6	32,800	2890	.78	.94	1.00	9.2	31,500	3220	.80	.96	1.00
	590	1250	10.5	35,800	2340	.78	.93	1.00	10.1	34,600	2600	.79	.95	1.00	9.8	33,300	2890	.81	.96	1.00	9.4	32,000	3230	.82	.98	1.00
67°F (19.4°C)	495	1050	10.8	37,000	2350	.57	.71	.84	10.5	35,700	2610	.58	.72	.86	10.1	34,300	2910	.59	.74	.88	9.6	32,900	3240	.60	.75	.89
	540	1150	11.0	37,400	2350	.59	.73	.87	10.6	36,100	2620	.59	.75	.89	10.2	34,700	2910	.60	.76	.91	9.8	33,300	3250	.61	.78	.93
	590	1250	11.1	37,900	2360	.60	.75	.90	10.7	36,500	2620	.61	.77	.92	10.3	35,100	2920	.62	.78	.93	9.8	33,600	3260	.63	.80	.95
71°F (21.7°C)	495	1050	11.5	39,400	2380	.43	.56	.69	11.2	38,100	2640	.43	.56	.70	10.7	36,600	2940	.43	.57	.71	10.3	35,200	3270	.44	.58	.73
	540	1150	11.7	39,900	2380	.43	.57	.71	11.3	38,500	2640	.43	.58	.72	10.8	37,000	2940	.44	.59	.74	10.4	35,500	3280	.44	.60	.75
	590	1250	11.8	40,300	2390	.44	.58	.73	11.4	38,900	2650	.44	.59	.75	11.0	37,400	2940	.44	.60	.76	10.5	35,900	3280	.45	.61	.78

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–411–413 — COOLING CAPACITY — CB30M–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.2	34,700	2280	.73	.86	.98	9.8	33,500	2540	.74	.88	.99	9.4	32,200	2830	.75	.89	1.00	9.1	30,900	3160	.76	.91	1.00
	565	1200	10.5	35,800	2300	.77	.92	1.00	10.1	34,500	2550	.78	.93	1.00	9.7	33,200	2840	.80	.95	1.00	9.3	31,900	3170	.81	.97	1.00
	660	1400	10.8	36,700	2300	.81	.96	1.00	10.4	35,400	2560	.82	.98	1.00	10.0	34,100	2850	.84	.99	1.00	9.6	32,800	3180	.86	1.00	1.00
67°F (19.4°C)	470	1000	10.8	36,900	2310	.57	.70	.83	10.4	35,600	2560	.57	.71	.84	10.0	34,200	2850	.58	.72	.86	9.6	32,800	3180	.59	.74	.88
	565	1200	11.1	37,900	2320	.59	.74	.89	10.7	36,500	2570	.60	.76	.90	10.3	35,100	2870	.61	.77	.92	9.8	33,600	3200	.62	.79	.94
	660	1400	11.3	38,700	2320	.62	.79	.94	10.9	37,200	2580	.63	.80	.95	10.5	35,700	2870	.64	.82	.97	10.1	34,300	3210	.65	.84	.99
71°F (21.7°C)	470	1000	11.5	39,400	2330	.43	.55	.67	11.1	38,000	2590	.43	.56	.69	10.7	36,600	2880	.43	.56	.70	10.3	35,100	3220	.43	.57	.71
	565	1200	11.8	40,400	2340	.43	.58	.72	11.4	38,900	2600	.44	.59	.73	11.0	37,400	2890	.44	.59	.75	10.5	35,900	3230	.44	.60	.76
	660	1400	12.0	41,100	2350	.44	.60	.76	11.6	39,600	2610	.45	.61	.78	11.1	38,000	2900	.45	.63	.80	10.7	36,500	3230	.46	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–411–413 — HEATING CAPACITY — CB30M–31

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.2	41,500	2620	9.5	32,500	2405	6.7	22,900	2175	4.9	16,600	1980	2.4	8,300	1460
545	1150	12.3	41,900	2560	9.6	32,900	2345	6.8	23,300	2115	5.0	17,000	1920	2.5	8,700	1400
590	1250	12.3	42,100	2515	9.7	33,100	2300	6.9	23,500	2070	5.0	17,200	1875	2.6	8,900	1355

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING CAPACITY — CB30M–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
470	1000	12.3	41,800	2670	9.6	32,600	2450	6.7	23,000	2210	4.9	16,600	2015	2.4	8,200	1500
565	1200	12.4	42,400	2555	9.7	33,200	2335	6.9	23,600	2095	5.0	17,200	1900	2.6	8,800	1385
660	1400	12.5	42,800	2475	9.8	33,600	2255	7.0	24,000	2015	5.2	17,600	1820	2.7	9,200	1305

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING PERFORMANCE CB30M–31 at 1150 cfm (545 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2560	41,900	12.3
60	16	2515	39,800	11.7
55	13	2465	37,800	11.1
50	10	2420	35,700	10.5
47	8	2395	34,400	10.1
45	7	2345	32,900	9.6
40	4	2230	28,900	8.5
35	2	2115	25,000	7.3
30	-1	2115	24,200	7.1
25	-4	2115	23,300	6.8
20	-7	2115	22,500	6.6
17	-8	2115	22,000	6.4
15	-9	2095	21,200	6.2
10	-12	2050	19,100	5.6
5	-15	1920	17,000	5.0
0	-18	1790	14,900	4.4
-5	-21	1660	12,800	3.8
-10	-23	1530	10,800	3.2
-15	-26	1400	8,700	2.5
-20	-29	1270	6,600	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–411–413 — HEATING PERFORMANCE CB30M–41 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2555	42,400	12.4
60	16	2510	40,300	11.8
55	13	2460	38,200	11.2
50	10	2410	36,100	10.6
47	8	2385	34,800	10.2
45	7	2335	33,200	9.7
40	4	2215	29,300	8.6
35	2	2095	25,300	7.4
30	-1	2095	24,400	7.2
25	-4	2095	23,600	6.9
20	-7	2095	22,700	6.7
17	-8	2095	22,200	6.5
15	-9	2075	21,400	6.3
10	-12	2025	19,300	5.7
5	-15	1900	17,200	5.0
0	-18	1770	15,100	4.4
-5	-21	1640	13,000	3.8
-10	-23	1515	10,900	3.2
-15	-26	1385	8,800	2.6
-20	-29	1255	6,700	2.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25–411–413 — COOLING CAPACITY — CB30M–46

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.2	34,700	2280	.73	.86	.98	9.8	33,500	2540	.74	.88	.99	9.4	32,200	2830	.75	.89	1.00	9.1	30,900	3160	.76	.91	1.00
	565	1200	10.5	35,800	2300	.77	.92	1.00	10.1	34,500	2550	.78	.93	1.00	9.7	33,200	2840	.80	.95	1.00	9.3	31,900	3170	.81	.97	1.00
	660	1400	10.8	36,700	2300	.81	.96	1.00	10.4	35,500	2560	.82	.98	1.00	10.0	34,200	2850	.84	.99	1.00	9.6	32,900	3180	.86	1.00	1.00
67°F (19.4°C)	470	1000	10.8	37,000	2310	.57	.70	.83	10.4	35,600	2560	.57	.71	.84	10.1	34,300	2850	.58	.72	.86	9.6	32,900	3180	.59	.74	.88
	565	1200	11.1	38,000	2320	.59	.74	.89	10.7	36,600	2570	.60	.76	.90	10.3	35,100	2870	.61	.77	.92	9.9	33,700	3200	.62	.79	.94
	660	1400	11.3	38,700	2320	.62	.79	.94	10.9	37,200	2580	.63	.80	.95	10.5	35,800	2880	.64	.82	.97	10.1	34,300	3210	.65	.84	.99
71°F (21.7°C)	470	1000	11.6	39,500	2330	.43	.55	.67	11.2	38,100	2590	.43	.56	.69	10.7	36,600	2880	.43	.56	.70	10.3	35,200	3220	.43	.57	.71
	565	1200	11.8	40,400	2340	.43	.58	.72	11.4	39,000	2600	.44	.59	.73	11.0	37,500	2890	.44	.59	.75	10.5	35,900	3230	.44	.60	.76
	660	1400	12.1	41,200	2350	.44	.60	.76	11.6	39,600	2610	.45	.61	.78	11.2	38,100	2900	.45	.63	.80	10.7	36,500	3230	.46	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — COOLING CAPACITY — CB31MV–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	535	1135	10.3	35,100	2290	.76	.90	1.00	9.9	33,900	2540	.77	.92	1.00	9.6	32,600	2830	.78	.94	1.00	9.2	31,300	3160	.80	.96	1.00
	600	1275	10.5	35,700	2290	.78	.94	1.00	10.1	34,400	2550	.80	.95	1.00	9.7	33,200	2840	.81	.97	1.00	9.3	31,900	3160	.83	.98	1.00
	660	1400	10.6	36,300	2300	.81	.96	1.00	10.3	35,000	2550	.82	.98	1.00	9.9	33,700	2840	.84	.99	1.00	9.5	32,500	3170	.86	1.00	1.00
67°F (19.4°C)	535	1135	10.9	37,300	2310	.59	.73	.87	10.5	35,900	2560	.59	.75	.89	10.1	34,500	2850	.60	.76	.91	9.7	33,100	3180	.61	.78	.93
	600	1275	11.1	37,800	2310	.60	.76	.91	10.7	36,400	2570	.61	.77	.92	10.3	35,000	2860	.62	.79	.94	9.8	33,500	3190	.63	.81	.96
	660	1400	11.2	38,200	2320	.62	.79	.94	10.8	36,800	2570	.63	.80	.95	10.3	35,300	2870	.64	.82	.97	9.9	33,900	3200	.65	.84	.99
71°F (21.7°C)	535	1135	11.6	39,700	2340	.43	.57	.71	11.2	38,300	2590	.43	.58	.72	10.8	36,800	2880	.44	.59	.74	10.3	35,300	3210	.44	.60	.75
	600	1275	11.8	40,200	2340	.44	.59	.74	11.4	38,800	2600	.44	.60	.75	10.9	37,200	2890	.44	.61	.77	10.5	35,700	3220	.45	.62	.78
	660	1400	11.9	40,600	2350	.44	.60	.76	11.5	39,100	2600	.45	.61	.78	11.0	37,600	2890	.45	.63	.80	10.6	36,100	3220	.46	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–411–413 — HEATING CAPACITY — CB30M–46

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
470	1000	12.1	41,300	2590	9.4	32,000	2350	6.5	22,200	2090	4.6	15,700	1890	2.2	7,500	1375
565	1200	12.5	42,500	2610	9.7	33,200	2370	6.9	23,400	2110	5.0	16,900	1910	2.5	8,700	1395
660	1400	12.7	43,200	2620	9.9	33,900	2380	7.1	24,100	2120	5.2	17,600	1920	2.8	9,400	1405

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING CAPACITY — CB31MV–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
535	1135	12.3	41,800	2610	9.6	32,600	2380	6.7	22,900	2135	4.8	16,500	1920	2.4	8,200	1420
600	1275	12.4	42,200	2550	9.7	33,000	2320	6.8	23,300	2075	5.0	16,900	1860	2.5	8,600	1360
660	1400	12.5	42,500	2500	9.8	33,300	2270	6.9	23,600	2025	5.0	17,200	1810	2.6	8,900	1310

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING PERFORMANCE CB30M–46 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2610	42,500	12.5
60	16	2560	40,300	11.8
55	13	2505	38,200	11.2
50	10	2455	36,100	10.6
47	8	2425	34,800	10.2
45	7	2370	33,200	9.7
40	4	2240	29,200	8.6
35	2	2110	25,200	7.4
30	-1	2110	24,300	7.1
25	-4	2110	23,400	6.9
20	-7	2110	22,500	6.6
17	-8	2110	22,000	6.4
15	-9	2090	21,100	6.2
10	-12	2035	19,000	5.6
5	-15	1910	16,900	5.0
0	-18	1780	14,900	4.4
-5	-21	1650	12,800	3.8
-10	-23	1525	10,700	3.1
-15	-26	1395	8,700	2.5
-20	-29	1265	6,600	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25–411–413 — HEATING PERFORMANCE CB31MV–41 at 1275 cfm (600 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2550	42,200	12.4
60	16	2500	40,100	11.8
55	13	2445	38,000	11.1
50	10	2395	35,900	10.5
47	8	2365	34,600	10.1
45	7	2320	33,000	9.7
40	4	2210	29,100	8.5
35	2	2105	25,100	7.4
30	-1	2090	24,200	7.1
25	-4	2075	23,300	6.8
20	-7	2065	22,400	6.6
17	-8	2055	21,900	6.4
15	-9	2035	21,100	6.2
10	-12	1985	18,900	5.5
5	-15	1860	16,900	5.0
0	-18	1735	14,800	4.3
-5	-21	1610	12,800	3.8
-10	-23	1485	10,700	3.1
-15	-26	1360	8,600	2.5
-20	-29	1235	6,600	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25–411–413 — COOLING CAPACITY — CB30M–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.4	35,400	2280	.72	.86	.98	10.0	34,100	2540	.73	.87	.99	9.6	32,800	2830	.75	.89	1.00	9.2	31,400	3150	.76	.91	1.00
	565	1200	10.7	36,500	2300	.77	.92	1.00	10.3	35,200	2550	.78	.93	1.00	9.9	33,800	2840	.79	.95	1.00	9.5	32,400	3170	.81	.97	1.00
	660	1400	11.0	37,500	2310	.81	.97	1.00	10.6	36,200	2560	.82	.98	1.00	10.2	34,900	2850	.84	1.00	1.00	9.8	33,500	3180	.86	1.00	1.00
67°F (19.4°C)	470	1000	11.1	37,800	2310	.57	.70	.82	10.7	36,400	2560	.57	.71	.84	10.3	35,000	2850	.58	.72	.86	9.8	33,500	3180	.59	.73	.88
	565	1200	11.4	38,900	2320	.59	.74	.88	11.0	37,400	2570	.60	.75	.90	10.5	35,900	2860	.61	.77	.92	10.1	34,400	3190	.62	.79	.94
	660	1400	11.6	39,700	2330	.62	.79	.94	11.2	38,100	2590	.63	.80	.96	10.7	36,600	2870	.64	.82	.98	10.3	35,100	3210	.65	.84	.99
71°F (21.7°C)	470	1000	11.8	40,400	2340	.43	.55	.67	11.4	38,900	2590	.43	.55	.68	11.0	37,400	2880	.43	.56	.69	10.5	35,900	3210	.43	.57	.71
	565	1200	12.2	41,500	2350	.43	.58	.72	11.7	39,900	2600	.44	.58	.73	11.2	38,300	2900	.44	.59	.75	10.8	36,800	3220	.44	.60	.76
	660	1400	12.4	42,300	2360	.44	.60	.76	11.9	40,700	2610	.45	.61	.78	11.4	39,000	2900	.45	.63	.80	11.0	37,400	3240	.46	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — COOLING CAPACITY — CB31MV–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	570	1205	10.7	36,500	2340	.77	.92	1.00	10.3	35,200	2600	.78	.94	1.00	9.9	33,800	2890	.80	.95	1.00	9.5	32,400	3220	.81	.97	1.00
	650	1375	11.0	37,400	2350	.80	.96	1.00	10.6	36,000	2610	.82	.98	1.00	10.2	34,700	2900	.84	.99	1.00	9.8	33,400	3240	.85	1.00	1.00
67°F (19.4°C)	570	1205	11.4	38,800	2360	.59	.74	.89	11.0	37,400	2620	.60	.76	.90	10.5	35,900	2920	.61	.77	.92	10.1	34,400	3250	.62	.79	.94
	650	1375	11.6	39,500	2370	.61	.78	.93	11.1	38,000	2630	.62	.80	.95	10.7	36,400	2930	.63	.81	.97	10.3	35,000	3260	.64	.83	.99
71°F (21.7°C)	570	1205	12.2	41,500	2390	.43	.58	.72	11.7	39,900	2650	.44	.58	.73	11.2	38,300	2950	.44	.59	.75	10.8	36,700	3280	.44	.60	.76
	650	1375	12.3	42,100	2400	.44	.60	.76	11.9	40,500	2660	.45	.61	.77	11.4	38,900	2950	.45	.62	.79	10.9	37,300	3290	.46	.63	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–411–413 — HEATING CAPACITY — CB30M–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil										
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
470	1000	12.4	42,300	2740	9.7	33,000	2505	6.8	23,200	2250	4.9	16,700	2045	2.5	8,400	1525
565	1200	12.5	42,700	2625	9.8	33,400	2390	6.9	23,600	2135	5.0	17,100	1930	2.6	8,800	1410
660	1400	12.6	43,100	2550	9.9	33,800	2315	7.0	24,000	2060	5.1	17,500	1855	2.7	9,200	1335

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING CAPACITY — CB31MV–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil										
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
570	1205	12.3	41,900	2580	9.6	32,600	2335	6.7	22,800	2075	4.8	16,300	1845	2.5	8,400	1350
650	1375	12.4	42,300	2515	9.7	33,000	2270	6.8	23,200	2010	4.9	16,700	1780	2.6	8,800	1285

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–411–413 — HEATING PERFORMANCE
CB30M–51 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2625	42,700	12.5
60	16	2575	40,500	11.9
55	13	2520	38,400	11.3
50	10	2470	36,300	10.6
47	8	2440	35,000	10.3
45	7	2390	33,400	9.8
40	4	2260	29,400	8.6
35	2	2135	25,400	7.4
30	-1	2135	24,500	7.2
25	-4	2135	23,600	6.9
20	-7	2135	22,700	6.7
17	-8	2135	22,200	6.5
15	-9	2115	21,300	6.2
10	-12	2065	19,200	5.6
5	-15	1930	17,100	5.0
0	-18	1800	15,000	4.4
-5	-21	1670	12,900	3.8
-10	-23	1540	10,800	3.2
-15	-26	1410	8,800	2.6
-20	-29	1280	6,700	2.0

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–411–413 — HEATING PERFORMANCE
CB31MV–51 at 1205 cfm (570 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2580	41,900	12.3
60	16	2525	39,800	11.7
55	13	2470	37,600	11.0
50	10	2415	35,500	10.4
47	8	2380	34,200	10.0
45	7	2335	32,600	9.6
40	4	2225	28,600	8.4
35	2	2110	24,700	7.2
30	-1	2095	23,700	6.9
25	-4	2075	22,800	6.7
20	-7	2055	21,900	6.4
17	-8	2045	21,300	6.2
15	-9	2025	20,400	6.0
10	-12	1965	18,300	5.4
5	-15	1845	16,300	4.8
0	-18	1720	14,300	4.2
-5	-21	1595	12,300	3.6
-10	-23	1475	10,400	3.0
-15	-26	1350	8,400	2.5
-20	-29	1225	6,400	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-411-413 — COOLING CAPACITY — CVP10-31/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	9.8	33,400	2270	.74	.89	1.00	9.4	32,100	2520	.75	.91	1.00	9.1	31,000	2840	.76	.93	1.00	8.7	29,600	3220	.77	.95	1.00
	565	1200	10.1	34,300	2280	.77	.93	1.00	9.7	33,000	2530	.78	.95	1.00	9.3	31,600	2840	.80	.97	1.00	8.9	30,300	3230	.81	.99	1.00
	635	1350	10.2	34,900	2280	.80	.96	1.00	9.9	33,700	2540	.81	.98	1.00	9.5	32,400	2850	.83	.99	1.00	9.1	31,100	3240	.84	1.00	1.00
67°F (19.4°C)	495	1050	10.4	35,500	2290	.58	.72	.86	10.1	34,300	2540	.58	.73	.88	9.6	32,900	2860	.59	.75	.89	9.3	31,600	3250	.60	.76	.91
	565	1200	10.7	36,400	2300	.60	.75	.90	10.3	35,200	2550	.60	.77	.92	9.9	33,800	2870	.61	.78	.93	9.5	32,400	3270	.62	.80	.95
	635	1350	10.9	37,100	2310	.62	.78	.94	10.5	35,800	2560	.62	.79	.96	10.1	34,400	2880	.63	.81	.98	9.7	33,000	3280	.64	.84	1.00
71°F (21.7°C)	495	1050	11.0	37,600	2310	.43	.57	.72	10.7	36,400	2570	.43	.58	.73	10.3	35,100	2890	.43	.59	.74	9.9	33,700	3300	.44	.59	.75
	565	1200	11.3	38,600	2320	.44	.59	.75	10.9	37,300	2580	.44	.60	.76	10.6	36,000	2910	.44	.61	.77	10.1	34,500	3320	.45	.62	.78
	635	1350	11.6	39,500	2330	.44	.61	.78	11.2	38,100	2590	.45	.62	.79	10.8	36,700	2920	.45	.63	.80	10.3	35,200	3330	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — COOLING CAPACITY — CVP10-46/EC10Q4

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.0	34,000	2280	.74	.89	1.00	9.6	32,800	2530	.75	.91	1.00	9.2	31,500	2840	.76	.93	1.00	8.8	30,100	3230	.78	.95	1.00
	565	1200	10.2	34,800	2280	.77	.93	1.00	9.8	33,500	2540	.78	.95	1.00	9.5	32,300	2850	.80	.97	1.00	9.1	30,900	3240	.81	.99	1.00
	635	1350	10.4	35,500	2290	.80	.96	1.00	10.0	34,200	2550	.82	.98	1.00	9.7	33,100	2860	.83	1.00	1.00	9.3	31,800	3260	.84	1.00	1.00
67°F (19.4°C)	495	1050	10.6	36,200	2300	.58	.72	.86	10.2	34,900	2550	.58	.74	.88	9.8	33,600	2870	.59	.75	.89	9.4	32,200	3270	.60	.77	.91
	565	1200	10.9	37,100	2310	.60	.75	.90	10.5	35,800	2560	.60	.77	.92	10.1	34,400	2880	.61	.78	.93	9.7	33,000	3280	.62	.80	.95
	635	1350	11.1	37,900	2310	.62	.78	.94	10.7	36,500	2570	.62	.79	.96	10.3	35,100	2890	.63	.81	.98	9.8	33,600	3300	.64	.84	1.00
71°F (21.7°C)	495	1050	11.2	38,300	2320	.43	.57	.72	10.8	37,000	2580	.43	.58	.73	10.5	35,800	2900	.43	.59	.74	10.1	34,400	3310	.44	.60	.75
	565	1200	11.5	39,400	2330	.44	.59	.75	11.2	38,100	2590	.44	.60	.76	10.8	36,700	2920	.44	.61	.77	10.3	35,200	3330	.45	.62	.78
	635	1350	11.8	40,200	2340	.44	.61	.78	11.4	38,800	2600	.45	.62	.79	11.0	37,400	2940	.45	.63	.80	10.6	36,000	3350	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — HEATING CAPACITY — CVP10-31/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.0	40,900	2785	9.4	32,100	2465	6.7	23,000	2135	4.6	15,700	1780	2.2	7500	1355
565	1200	12.3	42,000	2715	9.7	33,200	2395	7.1	24,100	2070	4.9	16,800	1715	2.5	8600	1290
635	1350	12.2	41,700	2640	9.6	32,800	2320	7.0	23,800	1995	4.8	16,400	1640	2.4	8200	1215

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING CAPACITY — CVP10-46/EC10Q4

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.0	41,100	2720	9.4	32,200	2415	6.8	23,100	2105	4.6	15,700	1760	2.2	7500	1340
565	1200	12.4	42,200	2650	9.8	33,300	2350	7.1	24,200	2040	4.9	16,800	1690	2.5	8600	1270
635	1350	12.3	41,900	2580	9.7	33,000	2275	7.0	23,800	1965	4.8	16,400	1620	2.4	8200	1200

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 HEATING PERFORMANCE CVP10-31/EC10Q3 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2715	42,000	12.3
60	16	2640	39,900	11.7
55	13	2560	37,800	11.1
50	10	2480	35,700	10.5
47	8	2435	34,400	10.1
45	7	2395	33,200	9.7
40	4	2295	30,200	8.9
35	2	2195	27,200	8.0
30	-1	2130	25,600	7.5
25	-4	2070	24,100	7.1
20	-7	2005	22,600	6.6
17	-8	1970	21,700	6.4
15	-9	1925	20,900	6.1
10	-12	1820	18,800	5.5
5	-15	1715	16,800	4.9
0	-18	1605	14,700	4.3
-5	-21	1500	12,700	3.7
-10	-23	1395	10,600	3.1
-15	-26	1290	8600	2.5
-20	-29	1180	6500	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-411-413 — HEATING PERFORMANCE CVP10-46/EC10Q4 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2650	42,200	12.4
60	16	2580	40,100	11.8
55	13	2505	37,900	11.1
50	10	2430	35,800	10.5
47	8	2385	34,500	10.1
45	7	2350	33,300	9.8
40	4	2250	30,300	8.9
35	2	2155	27,300	8.0
30	-1	2095	25,700	7.5
25	-4	2040	24,200	7.1
20	-7	1980	22,600	6.6
17	-8	1945	21,700	6.4
15	-9	1900	20,900	6.1
10	-12	1795	18,800	5.5
5	-15	1690	16,800	4.9
0	-18	1585	14,700	4.3
-5	-21	1480	12,700	3.7
-10	-23	1375	10,600	3.1
-15	-26	1270	8600	2.5
-20	-29	1165	6500	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-411-413 — COOLING CAPACITY — CVP10-41/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.0	34,200	2280	.74	.89	1.00	9.7	33,000	2530	.75	.91	1.00	9.3	31,600	2840	.77	.93	1.00	8.9	30,300	3230	.78	.96	1.00
	565	1200	10.3	35,000	2290	.78	.93	1.00	9.9	33,800	2540	.79	.95	1.00	9.5	32,400	2850	.80	.97	1.00	9.1	31,000	3240	.81	.99	1.00
	635	1350	10.5	35,800	2290	.81	.97	1.00	10.1	34,600	2550	.82	.99	1.00	9.8	33,300	2860	.83	1.00	1.00	9.4	32,100	3260	.85	1.00	1.00
67°F (19.4°C)	495	1050	10.6	36,300	2300	.58	.72	.87	10.3	35,100	2550	.59	.74	.88	9.9	33,700	2870	.59	.75	.90	9.5	32,400	3270	.60	.77	.91
	565	1200	10.9	37,300	2310	.60	.75	.91	10.6	36,000	2570	.61	.77	.92	10.2	34,700	2880	.61	.79	.94	9.7	33,100	3280	.62	.81	.96
	635	1350	11.2	38,100	2320	.62	.78	.95	10.8	36,700	2570	.63	.80	.96	10.3	35,300	2900	.63	.82	.98	9.9	33,800	3300	.64	.84	1.00
71°F (21.7°C)	495	1050	11.3	38,500	2320	.43	.57	.72	10.9	37,200	2580	.43	.58	.73	10.5	35,900	2910	.44	.59	.74	10.1	34,500	3320	.44	.60	.75
	565	1200	11.6	39,600	2330	.44	.59	.75	11.2	38,200	2590	.44	.60	.76	10.8	36,800	2920	.44	.61	.77	10.4	35,400	3340	.45	.62	.79
	635	1350	11.8	40,300	2340	.45	.61	.78	11.4	39,000	2610	.45	.62	.79	11.0	37,600	2940	.45	.63	.80	10.6	36,100	3360	.46	.65	.82

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — COOLING CAPACITY— C26-31(W)(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.2	34,900	2280	.73	.88	1.00	9.9	33,700	2540	.74	.90	1.00	9.4	32,200	2850	.75	.92	1.00	9.0	30,700	3230	.76	.96	1.00
	565	1200	10.5	35,800	2290	.76	.92	1.00	10.0	34,200	2550	.78	.94	1.00	9.7	33,000	2860	.79	.96	1.00	9.2	31,500	3250	.80	.98	1.00
	635	1350	10.7	36,400	2300	.80	.96	1.00	10.3	35,100	2550	.81	.98	1.00	9.8	33,600	2870	.82	.99	1.00	9.5	32,300	3270	.84	1.00	1.00
67°F (19.4°C)	495	1050	10.8	36,900	2310	.58	.72	.86	10.4	35,500	2560	.58	.73	.87	10.0	34,200	2880	.59	.74	.88	9.6	32,700	3280	.60	.76	.90
	565	1200	11.1	37,900	2320	.59	.75	.89	10.7	36,500	2570	.60	.76	.91	10.3	35,100	2890	.61	.77	.93	9.8	33,600	3290	.62	.79	.94
	635	1350	11.3	38,700	2320	.61	.77	.93	10.9	37,300	2580	.62	.79	.95	10.5	35,800	2900	.63	.81	.97	10.1	34,300	3310	.64	.83	.99
71°F (21.7°C)	495	1050	11.4	38,900	2320	.43	.57	.72	11.0	37,500	2580	.43	.58	.73	10.6	36,100	2910	.43	.58	.74	10.1	34,600	3320	.44	.59	.75
	565	1200	11.7	39,900	2340	.44	.59	.74	11.3	38,500	2600	.44	.59	.75	10.9	37,100	2930	.44	.60	.77	10.4	35,600	3340	.45	.61	.78
	635	1350	12.0	40,800	2340	.44	.60	.77	11.5	39,400	2610	.45	.61	.78	11.1	37,900	2940	.45	.62	.80	10.6	36,300	3360	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — HEATING CAPACITY — CVP10-41/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.1	41,200	2700	9.5	32,300	2400	6.8	23,100	2095	4.6	15,700	1750	2.2	7500	1335
565	1200	12.4	42,300	2630	9.8	33,400	2330	7.1	24,200	2025	4.9	16,800	1685	2.5	8600	1265
635	1350	12.3	42,000	2555	9.7	33,000	2260	7.0	23,900	1955	4.8	16,500	1610	2.4	8200	1190

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING CAPACITY — C26-31(W)(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.0	41,000	2730	9.4	32,100	2465	6.7	22,900	2200	4.6	15,600	1855	2.2	7400	1410
565	1200	12.3	42,100	2660	9.7	33,200	2400	7.0	24,000	2130	4.9	16,700	1790	2.5	8500	1345
635	1350	12.3	41,800	2585	9.6	32,800	2325	6.9	23,700	2055	4.8	16,300	1715	2.4	8200	1270

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING PERFORMANCE
CVP10-41/EC10Q3 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2630	42,300	12.4
60	16	2555	40,200	11.8
55	13	2485	38,000	11.1
50	10	2410	35,900	10.5
47	8	2370	34,600	10.1
45	7	2330	33,400	9.8
40	4	2235	30,300	8.9
35	2	2140	27,300	8.0
30	-1	2085	25,700	7.5
25	-4	2025	24,200	7.1
20	-7	1970	22,700	6.7
17	-8	1935	21,700	6.4
15	-9	1895	20,900	6.1
10	-12	1790	18,900	5.5
5	-15	1685	16,800	4.9
0	-18	1580	14,700	4.3
-5	-21	1475	12,700	3.7
-10	-23	1370	10,600	3.1
-15	-26	1265	8600	2.5
-20	-29	1160	6500	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-411-413 — HEATING PERFORMANCE
C26-31(W)(FC) at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2660	42,100	12.3
60	16	2595	40,000	11.7
55	13	2535	37,800	11.1
50	10	2470	35,700	10.5
47	8	2435	34,400	10.1
45	7	2400	33,200	9.7
40	4	2310	30,100	8.8
35	2	2225	27,100	7.9
30	-1	2175	25,600	7.5
25	-4	2130	24,000	7.0
20	-7	2085	22,500	6.6
17	-8	2055	21,500	6.3
15	-9	2010	20,700	6.1
10	-12	1900	18,700	5.5
5	-15	1790	16,700	4.9
0	-18	1675	14,600	4.3
-5	-21	1565	12,600	3.7
-10	-23	1455	10,500	3.1
-15	-26	1345	8500	2.5
-20	-29	1235	6500	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-411-413 — COOLING CAPACITY — C26-41(FC) — CH23-41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.3	35,000	2290	.74	.89	1.00	9.9	33,800	2540	.75	.90	1.00	9.5	32,300	2850	.76	.92	1.00	9.1	30,900	3240	.77	.95	1.00
	565	1200	10.5	35,900	2290	.77	.93	1.00	10.1	34,500	2550	.78	.94	1.00	9.7	33,100	2860	.79	.97	1.00	9.3	31,600	3250	.81	.99	1.00
	635	1350	10.8	36,700	2300	.80	.97	1.00	10.3	35,300	2560	.81	.98	1.00	9.9	33,900	2870	.83	1.00	1.00	9.5	32,500	3270	.84	1.00	1.00
67°F (19.4°C)	495	1050	10.8	37,000	2310	.58	.72	.86	10.5	35,700	2560	.58	.73	.87	10.1	34,300	2880	.59	.75	.89	9.6	32,800	3280	.60	.76	.90
	565	1200	11.2	38,100	2320	.60	.75	.90	10.8	36,700	2570	.60	.76	.91	10.3	35,200	2890	.61	.78	.93	9.9	33,700	3300	.62	.80	.95
	635	1350	11.4	38,900	2320	.61	.78	.94	11.0	37,400	2580	.62	.79	.96	10.5	35,900	2910	.63	.81	.97	10.1	34,400	3310	.64	.83	.99
71°F (21.7°C)	495	1050	11.5	39,100	2330	.43	.57	.72	11.0	37,700	2590	.43	.58	.73	10.6	36,200	2910	.44	.59	.74	10.2	34,800	3320	.44	.59	.75
	565	1200	11.8	40,100	2340	.44	.59	.75	11.3	38,700	2600	.44	.60	.76	10.9	37,300	2930	.44	.61	.77	10.5	35,700	3350	.45	.62	.78
	635	1350	12.0	40,900	2350	.45	.61	.78	11.6	39,500	2610	.45	.62	.79	11.2	38,100	2950	.45	.63	.80	10.7	36,500	3370	.46	.64	.82

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — COOLING CAPACITY — C26-46(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	10.5	35,700	2290	.73	.88	1.00	10.1	34,400	2550	.74	.90	1.00	9.7	33,100	2860	.76	.92	1.00	9.3	31,700	3250	.77	.94	1.00
	565	1200	10.7	36,600	2300	.76	.92	1.00	10.4	35,400	2560	.77	.94	1.00	9.9	33,900	2870	.79	.96	1.00	9.5	32,500	3270	.80	.98	1.00
	635	1350	11.0	37,500	2310	.79	.96	1.00	10.6	36,200	2570	.81	.98	1.00	10.2	34,900	2890	.82	.99	1.00	9.8	33,400	3290	.83	1.00	1.00
67°F (19.4°C)	495	1050	10.9	37,300	2310	.58	.72	.86	10.6	36,100	2570	.58	.73	.87	10.2	34,700	2890	.59	.75	.89	9.8	33,300	3290	.60	.76	.90
	565	1200	11.3	38,500	2320	.59	.75	.90	10.9	37,100	2580	.60	.76	.91	10.5	35,800	2900	.61	.78	.93	10.1	34,300	3310	.62	.79	.95
	635	1350	11.6	39,500	2330	.61	.78	.94	11.2	38,100	2590	.62	.79	.95	10.7	36,600	2920	.63	.81	.97	10.3	35,100	3330	.64	.83	.99
71°F (21.7°C)	495	1050	11.4	38,800	2330	.43	.57	.72	11.0	37,600	2590	.43	.58	.73	10.6	36,300	2910	.43	.59	.74	10.3	35,000	3330	.44	.59	.75
	565	1200	11.8	40,200	2340	.44	.59	.75	11.4	38,800	2600	.44	.60	.76	11.0	37,500	2940	.44	.61	.77	10.6	36,100	3360	.44	.62	.78
	635	1350	12.1	41,200	2350	.44	.61	.78	11.7	39,800	2620	.45	.62	.79	11.3	38,400	2950	.45	.63	.80	10.8	36,900	3380	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — HEATING CAPACITY — C26-41(FC) — CH23-41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.1	41,200	2685	9.4	32,200	2445	6.7	22,900	2200	4.5	15,500	1865	2.2	7400	1415
565	1200	12.4	42,300	2620	9.8	33,300	2380	7.0	24,000	2130	4.9	16,600	1795	2.5	8500	1350
635	1350	12.3	42,000	2545	9.6	32,900	2305	6.9	23,700	2060	4.8	16,300	1725	2.4	8100	1275

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING CAPACITY — C26-46(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	12.1	41,200	2720	9.4	32,200	2415	6.8	23,100	2105	4.6	15,700	1760	2.2	7500	1340
565	1200	12.4	42,200	2650	9.8	33,300	2345	7.1	24,200	2035	4.9	16,800	1690	2.5	8600	1270
635	1350	12.3	41,900	2575	9.7	33,000	2270	7.0	23,800	1965	4.8	16,400	1615	2.4	8200	1195

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING PERFORMANCE C26-41(FC) — CH23-41 at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2620	42,300	12.4
60	16	2560	40,100	11.8
55	13	2505	38,000	11.1
50	10	2445	35,800	10.5
47	8	2410	34,500	10.1
45	7	2380	33,300	9.8
40	4	2295	30,200	8.9
35	2	2215	27,200	8.0
30	-1	2175	25,600	7.5
25	-4	2130	24,000	7.0
20	-7	2090	22,400	6.6
17	-8	2065	21,500	6.3
15	-9	2020	20,700	6.1
10	-12	1905	18,600	5.5
5	-15	1795	16,600	4.9
0	-18	1685	14,600	4.3
-5	-21	1575	12,500	3.7
-10	-23	1460	10,500	3.1
-15	-26	1350	8500	2.5
-20	-29	1240	6400	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-411-413 — HEATING PERFORMANCE C26-46(FC) at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2650	42,200	12.4
60	16	2575	40,100	11.8
55	13	2500	38,000	11.1
50	10	2430	35,800	10.5
47	8	2385	34,500	10.1
45	7	2345	33,300	9.8
40	4	2250	30,300	8.9
35	2	2155	27,300	8.0
30	-1	2095	25,700	7.5
25	-4	2035	24,200	7.1
20	-7	1980	22,600	6.6
17	-8	1945	21,700	6.4
15	-9	1900	20,900	6.1
10	-12	1795	18,800	5.5
5	-15	1690	16,800	4.9
0	-18	1585	14,700	4.3
-5	-21	1480	12,700	3.7
-10	-23	1375	10,600	3.1
-15	-26	1270	8600	2.5
-20	-29	1165	6500	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-411-413 — COOLING CAPACITY — CR26-51(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	9.6	32,700	2230	.70	.84	.95	9.3	31,600	2470	.70	.85	.96	8.9	30,400	2780	.71	.87	.98	8.5	29,000	3140	.73	.89	1.00
	565	1200	10.2	34,800	2250	.76	.91	1.00	9.8	33,600	2490	.77	.93	1.00	9.4	32,100	2790	.78	.95	1.00	9.0	30,800	3160	.80	.97	1.00
	710	1500	10.6	36,100	2260	.82	.97	1.00	10.3	35,000	2510	.83	.99	1.00	9.9	33,700	2810	.84	1.00	1.00	9.5	32,400	3190	.86	1.00	1.00
67°F (19.4°C)	425	900	10.1	34,600	2250	.55	.69	.81	9.8	33,600	2490	.55	.70	.82	9.5	32,400	2800	.56	.71	.83	9.1	31,000	3170	.57	.72	.85
	565	1200	10.8	37,000	2270	.59	.74	.89	10.5	35,700	2510	.59	.75	.90	10.1	34,400	2820	.60	.77	.92	9.6	32,900	3190	.61	.79	.93
	710	1500	11.3	38,500	2280	.62	.79	.96	10.9	37,200	2530	.63	.80	.98	10.4	35,600	2830	.64	.82	1.00	10.0	34,000	3210	.65	.85	1.00
71°F (21.7°C)	425	900	10.8	36,700	2270	.41	.55	.68	10.4	35,500	2510	.42	.56	.69	10.0	34,200	2820	.42	.56	.70	9.6	32,900	3200	.42	.57	.71
	565	1200	11.5	39,100	2290	.43	.58	.74	11.1	37,800	2540	.43	.59	.75	10.7	36,400	2840	.43	.60	.76	10.2	34,800	3220	.44	.61	.77
	710	1500	11.9	40,700	2310	.44	.62	.79	11.5	39,300	2550	.45	.63	.80	11.1	37,800	2860	.45	.64	.82	10.6	36,000	3240	.45	.65	.83

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–461–463 — COOLING CAPACITY — CB30M–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	11.5	39,100	2730	.70	.83	.95	11.1	37,800	3040	.71	.84	.96	10.7	36,400	3410	.72	.86	.98	10.2	34,900	3840	.73	.88	.99
	590	1250	11.8	40,300	2740	.74	.88	.99	11.4	39,000	3050	.75	.89	1.00	11.0	37,500	3420	.76	.91	1.00	10.6	36,000	3840	.78	.93	1.00
	685	1450	12.1	41,300	2750	.77	.92	1.00	11.7	39,900	3070	.79	.94	1.00	11.3	38,500	3430	.80	.96	1.00	10.8	36,900	3860	.82	.97	1.00
67°F (19.4°C)	495	1050	12.2	41,700	2760	.56	.68	.80	11.8	40,300	3070	.56	.69	.81	11.4	38,800	3440	.57	.70	.82	10.9	37,200	3860	.57	.71	.84
	590	1250	12.5	42,800	2770	.58	.71	.85	12.1	41,400	3090	.58	.72	.86	11.7	39,800	3450	.59	.74	.88	11.2	38,200	3870	.60	.75	.90
	685	1450	12.8	43,700	2780	.60	.75	.89	12.4	42,200	3090	.60	.76	.91	11.9	40,600	3460	.61	.78	.93	11.4	38,900	3890	.62	.79	.95
71°F (21.7°C)	495	1050	13.0	44,500	2790	.42	.54	.65	12.6	43,100	3110	.42	.54	.66	12.2	41,500	3470	.43	.55	.67	11.7	39,800	3900	.43	.56	.68
	590	1250	13.4	45,700	2810	.43	.56	.69	13.0	44,200	3120	.43	.57	.70	12.5	42,500	3490	.43	.57	.71	12.0	40,800	3910	.44	.58	.73
	685	1450	13.6	46,500	2820	.44	.58	.73	13.2	45,000	3130	.44	.59	.74	12.7	43,300	3500	.44	.60	.75	12.2	41,500	3920	.45	.61	.77

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-411-413 — HEATING CAPACITY — CR26-51(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
425	900	12.3	42,100	3050	9.6	32,600	2715	6.6	22,600	2370	4.6	15,600	2005	2.1	7300	1565
565	1200	12.7	43,500	2815	10.0	34,000	2480	7.0	24,000	2135	5.0	17,000	1770	2.5	8700	1330
705	1500	12.9	44,000	2690	10.1	34,500	2355	7.2	24,500	2010	5.1	17,500	1640	2.7	9200	1205

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–461–463 — HEATING CAPACITY — CB30M–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
495	1050	14.1	48,100	3655	11.2	38,100	3230	8.2	28,000	2760	5.5	18,900	2505	2.7	9,300	1890
590	1250	14.3	48,800	3485	11.4	38,800	3060	8.4	28,700	2590	5.7	19,600	2335	2.9	10,000	1720
685	1450	14.4	49,300	3390	11.5	39,300	2965	8.6	29,200	2495	5.9	20,100	2240	3.1	10,500	1625

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-411-413 — HEATING PERFORMANCE
CR26-51(N)(W) at 1200 cfm (565 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	2815	43,500	12.7
60	16	2735	41,300	12.1
55	13	2650	39,100	11.5
50	10	2570	36,800	10.8
47	8	2520	35,500	10.4
45	7	2480	34,000	10.0
40	4	2375	30,200	8.9
35	2	2270	26,400	7.7
30	-1	2200	25,200	7.4
25	-4	2135	24,000	7.0
20	-7	2070	22,700	6.7
17	-8	2030	22,000	6.4
15	-9	1990	21,200	6.2
10	-12	1880	19,100	5.6
5	-15	1770	17,000	5.0
0	-18	1660	14,900	4.4
-5	-21	1550	12,800	3.8
-10	-23	1440	10,800	3.2
-15	-26	1330	8700	2.5
-20	-29	1220	6600	1.9

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–461–463 — HEATING PERFORMANCE
CB30M–41 at 1250 cfm (590 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3485	48,800	14.3
60	16	3395	46,300	13.6
55	13	3305	43,900	12.9
50	10	3215	41,500	12.2
47	8	3160	40,000	11.7
45	7	3060	38,800	11.4
40	4	2805	35,800	10.5
35	2	2555	32,700	9.6
30	-1	2570	30,700	9.0
25	-4	2590	28,700	8.4
20	-7	2605	26,600	7.8
17	-8	2615	25,400	7.4
15	-9	2580	24,400	7.2
10	-12	2485	22,000	6.4
5	-15	2335	19,600	5.7
0	-18	2180	17,200	5.0
-5	-21	2030	14,800	4.3
-10	-23	1875	12,400	3.6
-15	-26	1720	10,000	2.9
-20	-29	1570	7,600	2.2

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-461-463 — COOLING CAPACITY — CB31MV–41

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	595	1265	11.6	39,600	2730	.74	.88	.99	11.2	38,300	3050	.75	.90	1.00	10.8	36,900	3410	.76	.91	1.00	10.4	35,400	3830	.78	.93	1.00
	660	1400	11.8	40,300	2740	.77	.91	1.00	11.4	39,000	3060	.78	.93	1.00	11.0	37,500	3420	.79	.95	1.00	10.6	36,000	3840	.81	.96	1.00
	730	1545	12.0	41,000	2750	.79	.94	1.00	11.6	39,600	3060	.80	.96	1.00	11.2	38,200	3430	.82	.97	1.00	10.8	36,700	3850	.84	.99	1.00
67°F (19.4°C)	595	1265	12.3	42,100	2760	.58	.71	.85	11.9	40,600	3080	.58	.73	.86	11.5	39,100	3440	.59	.74	.88	11.0	37,500	3860	.60	.75	.90
	660	1400	12.5	42,700	2770	.59	.74	.88	12.1	41,300	3080	.60	.75	.90	11.6	39,700	3450	.61	.77	.92	11.1	38,000	3870	.62	.78	.93
	730	1545	12.7	43,300	2780	.61	.77	.91	12.3	41,800	3090	.61	.78	.93	11.8	40,200	3460	.62	.80	.95	11.3	38,500	3880	.63	.81	.97
71°F (21.7°C)	595	1265	13.2	44,900	2800	.43	.56	.69	12.7	43,400	3110	.43	.57	.70	12.3	41,800	3480	.43	.57	.71	11.8	40,100	3900	.44	.58	.73
	660	1400	13.3	45,500	2810	.43	.58	.72	12.9	44,000	3120	.44	.58	.73	12.4	42,300	3490	.44	.59	.74	11.9	40,600	3910	.44	.60	.76
	730	1545	13.5	46,000	2810	.44	.59	.74	13.0	44,500	3130	.44	.60	.76	12.5	42,800	3490	.45	.61	.77	12.0	41,000	3920	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–461–463 — COOLING CAPACITY — CB30M–46

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	11.9	40,700	2750	.73	.87	.99	11.5	39,300	3060	.75	.89	1.00	11.1	37,900	3430	.76	.90	1.00	10.6	36,300	3850	.77	.92	1.00
	660	1400	12.1	41,400	2750	.76	.91	1.00	11.8	40,100	3070	.77	.92	1.00	11.3	38,600	3440	.79	.94	1.00	10.8	37,000	3860	.80	.96	1.00
	730	1550	12.3	42,100	2760	.79	.94	1.00	11.9	40,700	3080	.80	.95	1.00	11.5	39,300	3450	.81	.97	1.00	11.0	37,700	3870	.83	.98	1.00
67°F (19.4°C)	590	1250	12.7	43,200	2780	.57	.71	.84	12.3	41,800	3090	.58	.72	.86	11.8	40,200	3460	.59	.73	.87	11.3	38,600	3880	.59	.75	.89
	660	1400	12.9	43,900	2780	.59	.74	.88	12.5	42,500	3100	.60	.75	.89	12.0	40,800	3470	.60	.76	.91	11.5	39,100	3890	.61	.78	.93
	730	1550	13.0	44,500	2790	.60	.76	.91	12.6	43,000	3110	.61	.78	.93	12.1	41,300	3470	.62	.79	.94	11.6	39,600	3900	.63	.81	.96
71°F (21.7°C)	590	1250	13.5	46,100	2810	.43	.56	.68	13.1	44,600	3130	.43	.56	.69	12.6	42,900	3500	.43	.57	.71	12.1	41,200	3920	.44	.58	.72
	660	1400	13.7	46,800	2820	.43	.57	.71	13.3	45,300	3140	.44	.58	.72	12.8	43,600	3500	.44	.59	.74	12.3	41,800	3920	.44	.60	.75
	730	1550	13.9	47,400	2830	.44	.59	.74	13.4	45,800	3140	.44	.60	.75	12.9	44,000	3510	.45	.61	.77	12.4	42,200	3930	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–461–463 — HEATING CAPACITY — CB31MV–41

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
595	1265	14.2	48,400	3640	11.3	38,400	3165	8.3	28,300	2685	5.6	19,200	2250	2.8	9,600	1700
660	1400	14.3	48,800	3560	11.4	38,800	3085	8.4	28,700	2605	5.7	19,600	2170	2.9	10,000	1620
730	1545	14.5	49,500	3495	11.6	39,500	3020	8.6	29,400	2540	5.9	20,300	2105	3.1	10,700	1555

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–461–463 — HEATING CAPACITY — CB30M–46

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.4	49,100	3425	11.4	39,000	3080	8.4	28,600	2710	5.7	19,400	2445	2.9	9,800	1820
660	1400	14.5	49,400	3335	11.5	39,300	2990	8.5	28,900	2620	5.8	19,700	2355	3.0	10,100	1730
730	1550	14.6	49,900	3265	11.7	39,800	2920	8.6	29,400	2550	5.9	20,200	2285	3.1	10,600	1660

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–461–463 — HEATING PERFORMANCE CB31MV–41 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3560	48,800	14.3
60	16	3445	46,300	13.6
55	13	3330	43,900	12.9
50	10	3215	41,500	12.2
47	8	3150	40,000	11.7
45	7	3085	38,800	11.4
40	4	2930	35,800	10.5
35	2	2770	32,700	9.6
30	-1	2690	30,700	9.0
25	-4	2605	28,700	8.4
20	-7	2520	26,600	7.8
17	-8	2470	25,400	7.4
15	-9	2425	24,400	7.2
10	-12	2310	22,000	6.4
5	-15	2170	19,600	5.7
0	-18	2035	17,200	5.0
-5	-21	1895	14,800	4.3
-10	-23	1755	12,400	3.6
-15	-26	1620	10,000	2.9
-20	-29	1480	7,600	2.2

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–461–463 — HEATING PERFORMANCE CB30M–46 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3335	49,400	14.5
60	16	3260	47,000	13.8
55	13	3185	44,500	13.0
50	10	3110	42,000	12.3
47	8	3065	40,500	11.9
45	7	2990	39,300	11.5
40	4	2805	36,200	10.6
35	2	2620	33,100	9.7
30	-1	2620	31,000	9.1
25	-4	2620	28,900	8.5
20	-7	2620	26,800	7.9
17	-8	2620	25,600	7.5
15	-9	2590	24,600	7.2
10	-12	2515	22,100	6.5
5	-15	2355	19,700	5.8
0	-18	2200	17,300	5.1
-5	-21	2045	14,900	4.4
-10	-23	1885	12,500	3.7
-15	-26	1730	10,100	3.0
-20	-29	1570	7,700	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25–461–463 — COOLING CAPACITY — CB30M–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	12.0	41,100	2750	.72	.86	.98	11.6	39,700	3070	.73	.87	.99	11.2	38,200	3430	.74	.89	1.00	10.7	36,600	3850	.76	.91	1.00
	660	1400	12.4	42,200	2770	.76	.91	1.00	12.0	40,800	3080	.77	.92	1.00	11.5	39,200	3450	.78	.94	1.00	11.0	37,600	3870	.80	.96	1.00
	755	1600	12.7	43,200	2780	.79	.95	1.00	12.2	41,700	3090	.81	.97	1.00	11.8	40,200	3460	.82	.98	1.00	11.3	38,600	3880	.84	1.00	1.00
67°F (19.4°C)	565	1200	12.9	43,900	2790	.57	.70	.82	12.4	42,300	3100	.57	.71	.84	11.9	40,700	3470	.58	.72	.86	11.4	39,000	3890	.59	.73	.87
	660	1400	13.2	44,900	2800	.59	.73	.87	12.7	43,300	3120	.59	.75	.89	12.2	41,600	3480	.60	.76	.91	11.7	39,800	3900	.61	.78	.93
	755	1600	13.4	45,700	2810	.61	.77	.92	12.9	44,100	3120	.62	.78	.94	12.4	42,400	3490	.63	.80	.95	11.9	40,500	3910	.64	.82	.97
71°F (21.7°C)	565	1200	13.7	46,900	2830	.43	.55	.67	13.3	45,300	3140	.43	.55	.68	12.8	43,600	3510	.43	.56	.69	12.3	41,800	3930	.43	.57	.71
	660	1400	14.0	47,900	2840	.43	.57	.71	13.6	46,300	3160	.44	.58	.72	13.0	44,500	3520	.44	.59	.74	12.5	42,600	3940	.44	.60	.75
	755	1600	14.3	48,700	2850	.44	.59	.75	13.8	47,000	3170	.44	.60	.76	13.2	45,200	3530	.45	.61	.78	12.7	43,300	3950	.45	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — COOLING CAPACITY — CB31MV–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	570	1205	12.1	41,200	2840	.72	.86	.98	11.7	39,800	3170	.73	.87	.99	11.2	38,300	3540	.75	.89	1.00	10.8	36,700	3970	.76	.91	1.00
	670	1425	12.4	42,400	2850	.76	.91	1.00	12.0	40,900	3180	.77	.93	1.00	11.5	39,400	3550	.79	.95	1.00	11.1	37,800	3990	.81	.96	1.00
	765	1625	12.7	43,500	2870	.80	.96	1.00	12.3	42,000	3190	.82	.97	1.00	11.8	40,400	3570	.83	.99	1.00	11.4	38,900	4000	.85	1.00	1.00
67°F (19.4°C)	570	1205	12.9	43,900	2880	.57	.70	.83	12.4	42,400	3200	.57	.71	.84	12.0	40,800	3570	.58	.72	.86	11.5	39,100	4000	.59	.73	.88
	670	1425	13.2	45,100	2890	.59	.74	.88	12.7	43,500	3210	.60	.75	.90	12.3	41,800	3590	.60	.77	.91	11.7	40,000	4030	.61	.78	.93
	765	1625	13.5	45,900	2900	.61	.78	.93	13.0	44,300	3220	.62	.79	.95	12.5	42,500	3600	.63	.81	.96	11.9	40,700	4040	.64	.83	.98
71°F (21.7°C)	570	1205	13.8	47,000	2910	.43	.55	.67	13.3	45,400	3240	.43	.55	.68	12.8	43,600	3610	.43	.56	.69	12.3	41,800	4050	.43	.57	.71
	670	1425	14.1	48,100	2930	.43	.57	.71	13.6	46,400	3250	.44	.58	.73	13.1	44,600	3630	.44	.59	.74	12.5	42,700	4060	.44	.60	.76
	765	1625	14.3	48,900	2940	.44	.60	.75	13.8	47,200	3270	.45	.61	.77	13.3	45,400	3640	.45	.62	.79	12.7	43,400	4080	.45	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–461–463 — HEATING CAPACITY — CB30M–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	14.4	49,000	3395	11.4	38,900	3035	8.4	28,500	2645	5.7	19,300	2385	2.8	9,700	1790
660	1400	14.5	49,400	3255	11.5	39,300	2895	8.5	28,900	2505	5.8	19,700	2245	3.0	10,100	1650
755	1600	14.6	49,900	3175	11.7	39,800	2815	8.6	29,400	2425	5.9	20,200	2165	3.1	10,600	1570

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–461–463 — HEATING CAPACITY — CB31MV–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
570	1205	14.4	49,000	3350	11.3	38,700	3060	8.3	28,200	2755	5.5	18,900	2435	2.8	9,400	1820
675	1425	14.5	49,600	3215	11.5	39,300	2925	8.4	28,800	2620	5.7	19,500	2300	2.9	10,000	1685
765	1625	14.7	50,300	3125	11.7	40,000	2835	8.6	29,500	2530	5.9	20,200	2210	3.1	10,700	1595

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–461–463 — HEATING PERFORMANCE CB30M–51 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3255	49,400	14.5
60	16	3180	47,000	13.8
55	13	3100	44,500	13.0
50	10	3020	42,000	12.3
47	8	2975	40,500	11.9
45	7	2895	39,300	11.5
40	4	2700	36,200	10.6
35	2	2505	33,100	9.7
30	-1	2505	31,000	9.1
25	-4	2505	28,900	8.5
20	-7	2505	26,800	7.9
17	-8	2505	25,600	7.5
15	-9	2470	24,600	7.2
10	-12	2395	22,100	6.5
5	-15	2245	19,700	5.8
0	-18	2095	17,300	5.1
-5	-21	1945	14,900	4.4
-10	-23	1800	12,500	3.7
-15	-26	1650	10,100	3.0
-20	-29	1500	7,700	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–461–463 — HEATING PERFORMANCE CB31MV–51 at 1425 cfm (675 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3215	49,600	14.5
60	16	3150	47,000	13.8
55	13	3080	44,500	13.0
50	10	3010	42,000	12.3
47	8	2970	40,500	11.9
45	7	2925	39,300	11.5
40	4	2815	36,100	10.6
35	2	2700	33,000	9.7
30	-1	2660	30,900	9.1
25	-4	2620	28,800	8.4
20	-7	2580	26,700	7.8
17	-8	2555	25,400	7.4
15	-9	2525	24,400	7.2
10	-12	2455	21,900	6.4
5	-15	2300	19,500	5.7
0	-18	2150	17,100	5.0
-5	-21	1995	14,700	4.3
-10	-23	1840	12,400	3.6
-15	-26	1685	10,000	2.9
-20	-29	1530	7,600	2.2

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-461-463 — COOLING CAPACITY — CVP10-46/EC10Q4

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	12.0	40,800	2810	.74	.89	1.00	11.5	39,300	3120	.75	.91	1.00	11.0	37,600	3510	.77	.93	1.00	10.6	36,000	4000	.78	.96	1.00
	660	1400	12.2	41,600	2820	.77	.93	1.00	11.8	40,100	3140	.78	.95	1.00	11.3	38,400	3530	.80	.97	1.00	10.8	36,800	4020	.81	.99	1.00
	730	1550	12.4	42,300	2830	.80	.96	1.00	12.0	40,800	3150	.81	.98	1.00	11.5	39,200	3540	.82	.99	1.00	11.0	37,700	4040	.84	1.00	1.00
67°F (19.4°C)	590	1250	12.7	43,400	2850	.58	.73	.87	12.3	41,800	3170	.59	.74	.88	11.8	40,100	3570	.59	.76	.90	11.3	38,500	4060	.60	.77	.91
	660	1400	13.0	44,200	2860	.60	.75	.90	12.5	42,600	3180	.60	.76	.92	12.0	41,000	3590	.61	.78	.94	11.5	39,300	4090	.62	.80	.95
	730	1550	13.2	45,000	2870	.61	.77	.94	12.7	43,400	3200	.62	.79	.95	12.2	41,700	3600	.63	.81	.97	11.7	39,900	4100	.64	.83	.99
71°F (21.7°C)	590	1250	13.5	46,000	2890	.43	.57	.72	13.0	44,300	3220	.43	.58	.73	12.5	42,700	3630	.44	.59	.74	12.0	41,000	4140	.44	.60	.76
	660	1400	13.8	47,000	2910	.44	.59	.75	13.3	45,400	3240	.44	.60	.76	12.8	43,700	3650	.44	.61	.77	12.3	41,900	4160	.45	.62	.78
	730	1550	14.0	47,800	2920	.44	.61	.77	13.5	46,100	3250	.45	.62	.79	13.0	44,400	3670	.45	.63	.80	12.5	42,600	4180	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — COOLING CAPACITY — CVP10-41/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	12.0	41,000	2810	.75	.90	1.00	11.6	39,500	3130	.76	.92	1.00	11.1	37,900	3520	.77	.94	1.00	10.6	36,300	4000	.78	.96	1.00
	660	1400	12.3	41,800	2820	.78	.93	1.00	11.8	40,300	3140	.79	.95	1.00	11.3	38,700	3530	.80	.97	1.00	10.9	37,100	4020	.82	.99	1.00
	730	1550	12.5	42,500	2840	.80	.96	1.00	12.0	41,100	3150	.81	.98	1.00	11.6	39,600	3550	.83	1.00	1.00	11.1	38,000	4060	.84	1.00	1.00
67°F (19.4°C)	590	1250	12.8	43,600	2850	.58	.73	.87	12.3	42,100	3170	.59	.74	.89	11.8	40,400	3570	.60	.76	.90	11.3	38,700	4070	.61	.78	.92
	660	1400	13.1	44,600	2860	.60	.75	.91	12.6	42,900	3190	.61	.77	.92	12.1	41,200	3590	.62	.79	.94	11.6	39,500	4090	.62	.81	.96
	730	1550	13.3	45,400	2880	.62	.78	.94	12.8	43,600	3210	.62	.80	.96	12.3	41,900	3610	.63	.82	.98	11.8	40,100	4110	.64	.84	1.00
71°F (21.7°C)	590	1250	13.6	46,300	2890	.43	.58	.73	13.1	44,600	3220	.44	.59	.74	12.6	43,000	3630	.44	.59	.75	12.1	41,200	4140	.44	.60	.76
	660	1400	13.8	47,200	2910	.44	.59	.75	13.4	45,600	3240	.44	.60	.76	12.9	43,900	3660	.45	.61	.78	12.3	42,100	4170	.45	.62	.79
	730	1550	14.1	48,000	2920	.45	.61	.78	13.6	46,400	3260	.45	.62	.79	13.1	44,700	3680	.45	.63	.80	12.5	42,800	4190	.46	.64	.82

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — HEATING CAPACITY — CVP10-46/EC10Q4

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.2	48,500	3335	11.2	38,300	2995	8.2	28,000	2650	5.5	18,800	2235	2.6	8900	1695
660	1400	14.6	49,900	3275	11.6	39,700	2935	8.6	29,400	2585	5.9	20,200	2175	3.0	10,300	1635
730	1550	14.4	49,100	3190	11.4	39,000	2855	8.4	28,700	2505	5.7	19,400	2090	2.8	9600	1550

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING CAPACITY — CVP10-41/EC10Q3

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.2	48,500	3295	11.2	38,300	2970	8.2	28,000	2635	5.5	18,800	2225	2.6	8900	1690
660	1400	14.6	49,900	3235	11.6	39,700	2905	8.6	29,400	2570	5.9	20,200	2165	3.0	10,300	1625
730	1550	14.4	49,100	3150	11.4	39,000	2825	8.4	28,700	2490	5.7	19,400	2080	2.8	9600	1545

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING PERFORMANCE CVP10-46/EC10Q4 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3275	49,900	14.6
60	16	3190	47,400	13.9
55	13	3110	44,900	13.2
50	10	3030	42,400	12.4
47	8	2980	41,000	12.0
45	7	2935	39,700	11.6
40	4	2815	36,700	10.8
35	2	2700	33,600	9.8
30	-1	2640	31,500	9.2
25	-4	2585	29,400	8.6
20	-7	2530	27,400	8.0
17	-8	2495	26,100	7.6
15	-9	2445	25,100	7.4
10	-12	2310	22,700	6.7
5	-15	2175	20,200	5.9
0	-18	2040	17,700	5.2
-5	-21	1905	15,200	4.5
-10	-23	1770	12,800	3.8
-15	-26	1635	10,300	3.0
-20	-29	1500	7800	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-461-463 — HEATING PERFORMANCE CVP10-41/EC10Q3 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3235	49,900	14.6
60	16	3155	47,400	13.9
55	13	3075	44,900	13.2
50	10	3000	42,500	12.5
47	8	2955	41,000	12.0
45	7	2905	39,700	11.6
40	4	2790	36,700	10.8
35	2	2680	33,600	9.8
30	-1	2625	31,500	9.2
25	-4	2570	29,400	8.6
20	-7	2520	27,400	8.0
17	-8	2485	26,100	7.6
15	-9	2435	25,100	7.4
10	-12	2300	22,700	6.7
5	-15	2165	20,200	5.9
0	-18	2030	17,700	5.2
-5	-21	1895	15,300	4.5
-10	-23	1760	12,800	3.8
-15	-26	1625	10,300	3.0
-20	-29	1490	7800	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-461-463 — COOLING CAPACITY — C26-46(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	12.6	42,900	2840	.74	.89	1.00	12.1	41,300	3160	.75	.90	1.00	11.6	39,700	3550	.76	.92	1.00	11.1	38,000	4050	.77	.95	1.00
	660	1400	12.8	43,800	2850	.76	.92	1.00	12.4	42,300	3180	.77	.94	1.00	11.9	40,500	3570	.79	.96	1.00	11.4	38,800	4070	.80	.98	1.00
	730	1550	13.2	44,900	2870	.79	.95	1.00	12.6	43,100	3190	.80	.97	1.00	12.2	41,600	3590	.81	.99	1.00	11.6	39,700	4100	.83	1.00	1.00
67°F (19.4°C)	590	1250	13.2	44,900	2870	.58	.72	.87	12.7	43,300	3200	.59	.74	.88	12.2	41,700	3600	.59	.75	.89	11.7	40,000	4100	.60	.77	.91
	660	1400	13.5	46,000	2890	.59	.75	.90	13.0	44,400	3220	.60	.76	.91	12.5	42,700	3630	.61	.78	.93	12.0	40,900	4130	.62	.79	.95
	730	1550	13.7	46,900	2910	.61	.77	.93	13.3	45,300	3240	.62	.79	.95	12.8	43,600	3650	.63	.80	.97	12.2	41,700	4160	.63	.82	.99
71°F (21.7°C)	590	1250	13.7	46,800	2900	.43	.58	.73	13.2	45,200	3240	.43	.58	.74	12.7	43,500	3650	.44	.59	.75	12.3	41,900	4160	.44	.60	.76
	660	1400	14.1	48,000	2920	.44	.59	.75	13.6	46,400	3260	.44	.60	.76	13.1	44,600	3680	.44	.61	.77	12.6	42,900	4190	.45	.62	.78
	730	1550	14.4	49,100	2940	.44	.60	.77	13.9	47,400	3280	.45	.61	.78	13.4	45,600	3700	.45	.63	.80	12.8	43,700	4220	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — COOLING CAPACITY — C26-41(FC) — CH23-51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	12.3	41,800	2820	.74	.89	1.00	11.8	40,200	3140	.75	.91	1.00	11.3	38,600	3530	.76	.93	1.00	10.8	36,900	4020	.78	.96	1.00
	660	1400	12.5	42,700	2840	.77	.93	1.00	12.0	41,100	3150	.78	.95	1.00	11.5	39,200	3540	.80	.97	1.00	11.0	37,400	4040	.81	.99	1.00
	730	1550	12.7	43,300	2850	.80	.96	1.00	12.2	41,600	3170	.81	.98	1.00	11.7	40,000	3560	.82	.99	1.00	11.2	38,300	4060	.84	1.00	1.00
67°F (19.4°C)	590	1250	13.0	44,200	2860	.58	.73	.87	12.5	42,600	3180	.59	.74	.88	12.0	40,800	3580	.59	.75	.90	11.5	39,100	4080	.60	.77	.91
	660	1400	13.2	45,200	2880	.60	.75	.90	12.7	43,500	3200	.60	.76	.92	12.2	41,700	3600	.61	.78	.93	11.7	39,900	4100	.62	.80	.95
	730	1550	13.5	46,000	2890	.61	.78	.94	13.0	44,300	3220	.62	.79	.95	12.5	42,500	3620	.63	.81	.97	11.9	40,600	4120	.64	.83	.99
71°F (21.7°C)	590	1250	13.6	46,500	2900	.43	.57	.73	13.2	44,900	3230	.43	.58	.74	12.7	43,200	3640	.44	.59	.75	12.1	41,300	4150	.44	.60	.76
	660	1400	13.9	47,500	2920	.44	.59	.75	13.5	45,900	3250	.44	.60	.76	12.9	44,100	3660	.44	.61	.77	12.4	42,200	4170	.45	.62	.79
	730	1550	14.2	48,400	2930	.44	.61	.78	13.7	46,700	3270	.45	.61	.79	13.2	44,900	3680	.45	.63	.80	12.6	43,000	4190	.45	.64	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — HEATING CAPACITY — C26-46(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.2	48,500	3325	11.3	38,400	2995	8.2	28,000	2660	5.5	18,800	2250	2.6	8900	1705
660	1400	14.6	49,900	3260	11.7	39,800	2930	8.6	29,400	2595	5.9	20,200	2185	3.0	10,300	1640
730	1550	14.4	49,200	3180	11.4	39,000	2850	8.4	28,700	2515	5.7	19,400	2105	2.8	9500	1560

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING CAPACITY — C26-41(FC) — CH23-51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.1	48,200	3225	11.1	38,000	2990	8.1	27,700	2745	5.4	18,500	2355	2.6	8800	1785
660	1400	14.5	49,600	3160	11.5	39,400	2925	8.5	29,100	2685	5.8	19,900	2295	3.0	10,200	1725
730	1550	14.3	48,900	3080	11.3	38,700	2845	8.3	28,400	2600	5.6	19,200	2210	2.8	9400	1640

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING PERFORMANCE C26-46(FC) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3260	49,900	14.6
60	16	3180	47,400	13.9
55	13	3105	45,000	13.2
50	10	3025	42,500	12.5
47	8	2980	41,000	12.0
45	7	2930	39,800	11.7
40	4	2815	36,700	10.8
35	2	2700	33,600	9.8
30	-1	2650	31,500	9.2
25	-4	2595	29,400	8.6
20	-7	2540	27,400	8.0
17	-8	2510	26,100	7.6
15	-9	2455	25,100	7.4
10	-12	2320	22,600	6.6
5	-15	2185	20,200	5.9
0	-18	2050	17,700	5.2
-5	-21	1915	15,200	4.5
-10	-23	1780	12,800	3.8
-15	-26	1640	10,300	3.0
-20	-29	1505	7800	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-461-463 — HEATING PERFORMANCE C26-41(FC) — CH23-51 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3160	49,600	14.5
60	16	3105	47,100	13.8
55	13	3050	44,700	13.1
50	10	2995	42,200	12.4
47	8	2965	40,700	11.9
45	7	2925	39,400	11.5
40	4	2835	36,400	10.7
35	2	2740	33,300	9.8
30	-1	2710	31,200	9.1
25	-4	2685	29,100	8.5
20	-7	2655	27,000	7.9
17	-8	2635	25,800	7.6
15	-9	2580	24,800	7.3
10	-12	2435	22,400	6.6
5	-15	2295	19,900	5.8
0	-18	2150	17,500	5.1
-5	-21	2010	15,100	4.4
-10	-23	1865	12,600	3.7
-15	-26	1725	10,200	3.0
-20	-29	1580	7700	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-461-463 — COOLING CAPACITY — C26-51(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	12.6	43,100	2840	.74	.89	1.00	12.2	41,500	3160	.75	.91	1.00	11.7	39,900	3560	.76	.93	1.00	11.2	38,200	4060	.78	.95	1.00
	660	1400	12.9	44,000	2860	.77	.93	1.00	12.5	42,500	3180	.78	.95	1.00	12.0	40,800	3580	.79	.96	1.00	11.5	39,100	4080	.81	.98	1.00
	730	1550	13.2	45,000	2870	.79	.96	1.00	12.7	43,400	3200	.80	.97	1.00	12.2	41,700	3600	.82	.99	1.00	11.7	40,000	4100	.83	1.00	1.00
67°F (19.4°C)	590	1250	13.2	45,100	2880	.58	.73	.87	12.8	43,600	3200	.59	.74	.88	12.3	41,900	3610	.59	.75	.90	11.8	40,200	4110	.60	.77	.91
	660	1400	13.6	46,300	2900	.60	.75	.90	13.1	44,600	3220	.60	.77	.92	12.6	42,900	3630	.61	.78	.93	12.0	41,100	4140	.62	.80	.95
	730	1550	13.8	47,200	2910	.61	.78	.94	13.4	45,600	3240	.62	.79	.95	12.8	43,800	3650	.63	.81	.97	12.3	42,000	4170	.64	.83	.99
71°F (21.7°C)	590	1250	13.8	47,100	2910	.43	.58	.73	13.3	45,400	3240	.43	.59	.74	12.8	43,700	3650	.44	.59	.75	12.3	42,100	4170	.44	.60	.76
	660	1400	14.2	48,300	2930	.44	.59	.75	13.7	46,700	3270	.44	.60	.76	13.2	44,900	3680	.44	.61	.78	12.6	43,100	4200	.45	.62	.79
	730	1550	14.5	49,400	2950	.44	.61	.78	14.0	47,700	3290	.45	.62	.79	13.5	45,900	3710	.45	.63	.80	12.9	44,000	4230	.45	.64	.82

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — COOLING CAPACITY — CR26-51(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	520	1100	11.1	38,000	2770	.70	.84	.96	10.7	36,600	3090	.71	.86	.98	10.3	35,200	3480	.72	.88	.99	9.9	33,700	3980	.73	.90	1.00
	660	1400	11.7	39,900	2790	.76	.90	1.00	11.3	38,500	3110	.77	.92	1.00	10.8	36,700	3510	.78	.95	1.00	10.4	35,400	4000	.79	.97	1.00
	800	1700	12.0	40,900	2810	.81	.96	1.00	11.6	39,600	3130	.82	.98	1.00	11.2	38,100	3530	.84	1.00	1.00	10.8	36,800	4030	.85	1.00	1.00
67°F (19.4°C)	520	1100	11.8	40,200	2800	.55	.69	.82	11.4	38,800	3120	.56	.70	.83	11.0	37,500	3520	.57	.72	.84	10.6	36,000	4020	.57	.73	.86
	660	1400	12.4	42,300	2830	.59	.74	.89	12.0	40,900	3150	.59	.75	.90	11.5	39,300	3550	.60	.77	.91	11.0	37,700	4040	.61	.79	.93
	800	1700	12.8	43,700	2850	.62	.78	.95	12.4	42,200	3170	.62	.79	.97	11.9	40,600	3580	.63	.81	.99	11.4	38,900	4070	.64	.84	1.00
71°F (21.7°C)	520	1100	12.4	42,400	2830	.42	.56	.69	12.0	41,100	3160	.42	.56	.70	11.6	39,600	3560	.42	.57	.70	11.2	38,100	4060	.42	.58	.71
	660	1400	13.1	44,700	2860	.43	.58	.74	12.7	43,200	3190	.43	.59	.75	12.2	41,700	3590	.43	.60	.76	11.7	40,000	4090	.44	.61	.77
	800	1700	13.5	46,200	2890	.44	.61	.78	13.1	44,600	3220	.44	.62	.80	12.6	43,000	3620	.45	.63	.81	12.1	41,200	4120	.45	.65	.82

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-461-463 — HEATING CAPACITY — C26-51(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	14.2	48,300	3240	11.2	38,200	2910	8.2	27,900	2575	5.5	18,700	2175	2.6	8900	1650
660	1400	14.6	49,700	3175	11.6	39,600	2850	8.6	29,300	2510	5.9	20,100	2110	3.0	10,300	1585
730	1550	14.4	49,000	3095	11.4	38,800	2765	8.4	28,600	2430	5.7	19,400	2030	2.8	9500	1505

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING CAPACITY — CR26-51(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
520	1100	14.2	48,600	3915	11.3	38,600	3535	8.3	28,400	3150	5.7	19,300	2690	2.7	9300	2090
660	1400	14.6	49,800	3635	11.6	39,700	3260	8.6	29,500	2870	6.0	20,400	2410	3.0	10,400	1815
800	1700	16.1	55,000	3465	13.2	45,000	3085	10.2	34,800	2700	7.5	25,600	2240	4.6	15,700	1640

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-461-463 — HEATING PERFORMANCE C26-51(FC) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3175	49,700	14.6
60	16	3095	47,200	13.8
55	13	3020	44,800	13.1
50	10	2940	42,300	12.4
47	8	2895	40,800	12.0
45	7	2850	39,600	11.6
40	4	2735	36,500	10.7
35	2	2620	33,500	9.8
30	-1	2565	31,400	9.2
25	-4	2510	29,300	8.6
20	-7	2455	27,300	8.0
17	-8	2425	26,000	7.6
15	-9	2370	25,000	7.3
10	-12	2240	22,600	6.6
5	-15	2110	20,100	5.9
0	-18	1980	17,700	5.2
-5	-21	1850	15,200	4.5
-10	-23	1715	12,700	3.7
-15	-26	1585	10,300	3.0
-20	-29	1455	7800	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25-461-463 — HEATING PERFORMANCE CR26-51(N)(W) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3635	49,800	14.6
60	16	3545	47,300	13.9
55	13	3455	44,900	13.2
50	10	3365	42,500	12.5
47	8	3310	41,000	12.0
45	7	3260	39,700	11.6
40	4	3130	36,600	10.7
35	2	3000	33,400	9.8
30	-1	2935	31,500	9.2
25	-4	2870	29,500	8.6
20	-7	2810	27,600	8.1
17	-8	2770	26,400	7.7
15	-9	2710	25,400	7.4
10	-12	2560	22,900	6.7
5	-15	2410	20,400	6.0
0	-18	2260	17,900	5.2
-5	-21	2110	15,400	4.5
-10	-23	1960	12,900	3.8
-15	-26	1815	10,400	3.0
-20	-29	1665	7900	2.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25–511–513 — COOLING CAPACITY — CB30M–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.7	46,700	3260	.72	.86	.98	13.2	45,000	3630	.74	.88	.99	12.7	43,300	4050	.75	.89	1.00	12.2	41,500	4530	.76	.91	1.00
	755	1600	14.0	47,800	3260	.75	.90	1.00	13.5	46,100	3630	.77	.92	1.00	13.0	44,300	4060	.78	.93	1.00	12.5	42,500	4540	.80	.95	1.00
	850	1800	14.3	48,800	3260	.78	.94	1.00	13.8	47,100	3630	.80	.95	1.00	13.3	45,300	4060	.81	.97	1.00	12.7	43,500	4540	.83	.99	1.00
67°F (19.4°C)	660	1400	14.6	49,800	3260	.57	.70	.83	14.1	48,100	3630	.57	.71	.84	13.5	46,200	4060	.58	.72	.86	13.0	44,300	4540	.59	.73	.88
	755	1600	14.9	50,900	3260	.58	.73	.87	14.4	49,100	3630	.59	.74	.88	13.8	47,100	4060	.60	.76	.90	13.2	45,100	4540	.61	.77	.92
	850	1800	15.2	51,700	3260	.60	.76	.91	14.6	49,800	3640	.61	.77	.92	14.0	47,900	4060	.62	.79	.94	13.4	45,800	4540	.63	.81	.96
71°F (21.7°C)	660	1400	15.6	53,400	3270	.43	.55	.67	15.1	51,500	3640	.43	.55	.68	14.5	49,600	4070	.43	.56	.69	13.9	47,500	4550	.43	.57	.71
	755	1600	15.9	54,400	3270	.43	.57	.70	15.4	52,500	3640	.43	.57	.72	14.8	50,400	4070	.44	.58	.73	14.2	48,300	4550	.44	.59	.75
	850	1800	16.2	55,300	3270	.44	.59	.73	15.6	53,300	3640	.44	.60	.75	15.0	51,200	4070	.44	.61	.76	14.4	49,000	4550	.45	.62	.78

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–511–513 — COOLING CAPACITY — CB30M–65

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.7	46,800	3260	.72	.86	.98	13.2	45,100	3630	.73	.88	.99	12.7	43,400	4060	.75	.89	1.00	12.2	41,600	4540	.76	.91	1.00
	755	1600	14.0	47,900	3260	.75	.90	1.00	13.5	46,200	3630	.77	.92	1.00	13.0	44,500	4060	.78	.93	1.00	12.5	42,600	4540	.80	.95	1.00
	850	1800	14.3	48,900	3260	.78	.94	1.00	13.8	47,200	3640	.80	.95	1.00	13.3	45,400	4060	.81	.97	1.00	12.8	43,600	4540	.83	.99	1.00
67°F (19.4°C)	660	1400	14.7	50,000	3260	.57	.70	.83	14.1	48,200	3640	.57	.71	.84	13.6	46,400	4060	.58	.72	.86	13.0	44,400	4540	.59	.73	.88
	755	1600	14.9	51,000	3270	.58	.73	.87	14.4	49,200	3640	.59	.74	.88	13.9	47,300	4060	.60	.75	.90	13.2	45,200	4550	.61	.77	.92
	850	1800	15.2	51,900	3270	.60	.76	.91	14.7	50,000	3640	.61	.77	.92	14.1	48,000	4070	.62	.79	.94	13.5	46,000	4550	.63	.81	.96
71°F (21.7°C)	660	1400	15.7	53,600	3270	.43	.55	.67	15.2	51,700	3640	.43	.55	.68	14.6	49,700	4070	.43	.56	.69	14.0	47,600	4550	.43	.57	.71
	755	1600	16.0	54,600	3270	.43	.57	.70	15.4	52,700	3640	.43	.57	.71	14.8	50,600	4070	.44	.58	.73	14.2	48,400	4550	.44	.59	.75
	850	1800	16.3	55,500	3270	.44	.59	.73	15.7	53,500	3650	.44	.59	.75	15.0	51,300	4070	.44	.60	.76	14.4	49,100	4550	.45	.62	.78

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–511–513 — HEATING CAPACITY — CB30M–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
660	1400	16.6	56,800	3855	12.8	43,600	3490	8.7	29,600	3090	6.2	21,000	2800	3.1	10,500	2080
755	1600	16.8	57,400	3740	13.0	44,200	3375	8.9	30,200	2975	6.3	21,600	2685	3.3	11,100	1965
850	1800	17.0	58,000	3650	13.1	44,800	3285	9.0	30,800	2885	6.5	22,200	2595	3.4	11,700	1875

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–511–513 — HEATING CAPACITY — CB30M–65

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
660	1400	16.7	56,900	3815	12.8	43,700	3455	8.7	29,700	3070	6.2	21,100	2765	3.1	10,600	2050
755	1600	16.8	57,400	3710	13.0	44,200	3350	8.9	30,200	2965	6.3	21,600	2660	3.3	11,100	1945
850	1800	17.0	57,900	3615	13.1	44,700	3255	9.0	30,700	2870	6.5	22,100	2565	3.4	11,600	1850

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–511–513 — HEATING PERFORMANCE CB30M–51 at 1600 cfm (755 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3740	57,400	16.8
60	16	3660	54,300	15.9
55	13	3580	51,300	15.0
50	10	3500	48,300	14.2
47	8	3455	46,500	13.6
45	7	3375	44,200	13.0
40	4	3175	38,400	11.3
35	2	2975	32,500	9.5
30	-1	2975	31,400	9.2
25	-4	2975	30,200	8.9
20	-7	2975	29,100	8.5
17	-8	2975	28,400	8.3
15	-9	2945	27,200	8.0
10	-12	2865	24,200	7.1
5	-15	2685	21,600	6.3
0	-18	2505	19,000	5.6
-5	-21	2325	16,300	4.8
-10	-23	2145	13,700	4.0
-15	-26	1965	11,100	3.3
-20	-29	1785	8,500	2.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–511–513 — HEATING PERFORMANCE CB30M–65 at 1600 cfm (755 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3710	57,400	16.8
60	16	3630	54,300	15.9
55	13	3550	51,300	15.0
50	10	3470	48,300	14.2
47	8	3425	46,500	13.6
45	7	3350	44,200	13.0
40	4	3170	38,400	11.3
35	2	2990	32,500	9.5
30	-1	2975	31,400	9.2
25	-4	2965	30,200	8.9
20	-7	2955	29,100	8.5
17	-8	2945	28,400	8.3
15	-9	2915	27,200	8.0
10	-12	2835	24,200	7.1
5	-15	2660	21,600	6.3
0	-18	2480	19,000	5.6
-5	-21	2300	16,300	4.8
-10	-23	2125	13,700	4.0
-15	-26	1945	11,100	3.3
-20	-29	1770	8,500	2.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-511-513 — COOLING CAPACITY — CB31MV–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	670	1425	13.7	46,700	3250	.73	.87	.99	13.2	45,000	3630	.74	.89	1.00	12.7	43,300	4050	.75	.90	1.00	12.2	41,500	4530	.77	.92	1.00
	765	1625	14.0	47,700	3260	.76	.91	1.00	13.5	46,000	3630	.77	.92	1.00	13.0	44,200	4050	.78	.94	1.00	12.4	42,400	4530	.80	.96	1.00
	850	1805	14.2	48,500	3260	.79	.94	1.00	13.7	46,800	3630	.80	.95	1.00	13.2	45,100	4050	.81	.97	1.00	12.7	43,300	4530	.83	.99	1.00
67°F (19.4°C)	670	1425	14.6	49,800	3260	.57	.70	.84	14.1	48,100	3630	.58	.72	.85	13.5	46,200	4060	.58	.73	.87	13.0	44,200	4540	.59	.74	.89
	765	1625	14.9	50,700	3260	.59	.73	.87	14.3	48,900	3630	.59	.75	.89	13.8	47,000	4060	.60	.76	.91	13.2	45,000	4540	.61	.78	.93
	850	1805	15.1	51,500	3260	.60	.76	.91	14.5	49,600	3630	.61	.77	.92	14.0	47,600	4060	.62	.79	.94	13.4	45,600	4540	.63	.81	.96
71°F (21.7°C)	670	1425	15.6	53,400	3260	.43	.55	.68	15.1	51,500	3640	.43	.56	.69	14.5	49,500	4060	.43	.57	.70	13.9	47,400	4540	.43	.58	.72
	765	1625	15.9	54,300	3260	.43	.57	.71	15.3	52,300	3640	.43	.58	.72	14.7	50,300	4060	.44	.59	.73	14.1	48,100	4540	.44	.60	.75
	850	1805	16.1	55,000	3270	.44	.59	.74	15.5	53,000	3640	.44	.60	.75	14.9	50,900	4060	.44	.61	.77	14.3	48,700	4550	.45	.62	.78

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — COOLING CAPACITY — CB31MV–65

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	670	1425	13.8	47,100	3250	.73	.87	.99	13.3	45,500	3620	.74	.89	1.00	12.8	43,700	4050	.75	.90	1.00	12.3	41,900	4530	.77	.92	1.00
	765	1625	14.1	48,100	3250	.76	.91	1.00	13.6	46,400	3620	.77	.92	1.00	13.1	44,700	4050	.78	.94	1.00	12.5	42,800	4530	.80	.96	1.00
	850	1805	14.4	49,000	3250	.78	.94	1.00	13.9	47,300	3620	.80	.95	1.00	13.3	45,500	4050	.81	.97	1.00	12.8	43,700	4530	.83	.99	1.00
67°F (19.4°C)	670	1425	14.7	50,300	3260	.57	.70	.84	14.2	48,500	3630	.58	.72	.85	13.7	46,700	4050	.58	.73	.87	13.1	44,700	4530	.59	.74	.89
	765	1625	15.0	51,200	3260	.59	.73	.87	14.5	49,400	3630	.59	.75	.89	13.9	47,400	4050	.60	.76	.91	13.3	45,400	4530	.61	.78	.93
	850	1805	15.2	52,000	3260	.60	.76	.91	14.7	50,100	3630	.61	.77	.92	14.1	48,100	4050	.62	.79	.94	13.5	46,000	4530	.63	.81	.96
71°F (21.7°C)	670	1425	15.8	53,900	3260	.43	.55	.68	15.2	52,000	3630	.43	.56	.69	14.7	50,000	4060	.43	.57	.70	14.0	47,900	4540	.43	.58	.72
	765	1625	16.1	54,800	3260	.43	.57	.71	15.5	52,900	3630	.43	.58	.72	14.9	50,800	4060	.44	.59	.73	14.2	48,600	4540	.44	.60	.75
	850	1805	16.3	55,600	3260	.44	.59	.74	15.7	53,600	3640	.44	.60	.75	15.1	51,400	4060	.44	.61	.77	14.4	49,200	4540	.45	.62	.78

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–511–513 — HEATING CAPACITY — CB31MV–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
675	1425	16.6	56,800	3875	12.7	43,500	3530	8.6	29,400	3185	6.1	20,700	2755	3.0	10,300	2050
765	1625	16.9	57,500	3760	13.0	44,200	3415	8.8	30,100	3070	6.3	21,400	2640	3.2	11,000	1935
850	1805	17.0	58,100	3680	13.1	44,800	3335	9.0	30,700	2990	6.4	22,000	2560	3.4	11,600	1855

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–511–513 — HEATING CAPACITY — CB31MV–65

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
675	1425	16.4	56,000	3750	12.6	43,000	3455	8.6	29,300	3160	6.1	20,700	2755	3.0	10,400	2045
765	1625	16.6	56,700	3645	12.8	43,700	3350	8.8	30,000	3055	6.3	21,400	2650	3.3	11,100	1940
850	1805	16.8	57,400	3565	13.0	44,400	3270	9.0	30,700	2975	6.5	22,100	2570	3.5	11,800	1860

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–511–513 — HEATING PERFORMANCE CB31MV–51 at 1625 cfm (765 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3760	57,500	16.9
60	16	3675	54,400	15.9
55	13	3590	51,400	15.1
50	10	3500	48,300	14.2
47	8	3450	46,500	13.6
45	7	3415	44,200	13.0
40	4	3330	38,300	11.2
35	2	3245	32,500	9.5
30	-1	3155	31,300	9.2
25	-4	3070	30,100	8.8
20	-7	2985	28,900	8.5
17	-8	2935	28,200	8.3
15	-9	2900	27,000	7.9
10	-12	2815	23,900	7.0
5	-15	2640	21,400	6.3
0	-18	2465	18,800	5.5
-5	-21	2285	16,200	4.7
-10	-23	2110	13,600	4.0
-15	-26	1935	11,000	3.2
-20	-29	1760	8,500	2.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25–511–513 — HEATING PERFORMANCE CB31MV–65 at 1625 cfm (765 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3645	56,700	16.6
60	16	3570	53,700	15.7
55	13	3500	50,700	14.9
50	10	3425	47,800	14.0
47	8	3380	46,000	13.5
45	7	3350	43,700	12.8
40	4	3275	38,000	11.1
35	2	3200	32,200	9.4
30	-1	3125	31,100	9.1
25	-4	3055	30,000	8.8
20	-7	2980	28,900	8.5
17	-8	2935	28,200	8.3
15	-9	2905	27,000	7.9
10	-12	2830	24,000	7.0
5	-15	2650	21,400	6.3
0	-18	2475	18,900	5.5
-5	-21	2295	16,300	4.8
-10	-23	2115	13,700	4.0
-15	-26	1940	11,100	3.3
-20	-29	1760	8,500	2.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25–511–513 — COOLING CAPACITY — CB30M–46

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	590	1250	13.1	44,700	3230	.71	.84	.95	12.7	43,200	3600	.72	.85	.96	12.2	41,600	4020	.73	.86	.98	11.7	39,900	4500	.74	.88	.99
	660	1400	13.4	45,600	3230	.73	.87	.98	12.9	44,100	3600	.74	.88	.99	12.4	42,400	4020	.75	.90	1.00	11.9	40,700	4500	.76	.91	1.00
	730	1550	13.6	46,400	3230	.75	.89	1.00	13.1	44,800	3600	.76	.91	1.00	12.7	43,200	4020	.78	.93	1.00	12.1	41,400	4500	.79	.94	1.00
67°F (19.4°C)	590	1250	14.0	47,700	3230	.56	.68	.80	13.5	46,100	3600	.56	.69	.81	13.0	44,400	4030	.57	.70	.83	12.5	42,600	4500	.57	.71	.84
	660	1400	14.2	48,600	3240	.57	.70	.83	13.7	46,900	3600	.57	.71	.85	13.2	45,100	4030	.58	.73	.86	12.7	43,300	4500	.59	.74	.88
	730	1550	14.4	49,300	3240	.58	.73	.86	14.0	47,600	3610	.59	.74	.88	13.4	45,800	4030	.60	.75	.89	12.9	43,900	4510	.61	.77	.91
71°F (21.7°C)	590	1250	14.9	51,000	3240	.42	.54	.65	14.4	49,300	3610	.42	.54	.66	13.9	47,500	4030	.43	.55	.67	13.4	45,600	4510	.43	.56	.69
	660	1400	15.2	51,900	3240	.43	.55	.68	14.7	50,200	3610	.43	.56	.69	14.2	48,300	4030	.43	.57	.70	13.6	46,300	4510	.43	.57	.71
	730	1550	15.4	52,600	3240	.43	.57	.70	14.9	50,900	3610	.43	.57	.71	14.3	48,900	4030	.44	.58	.73	13.7	46,900	4510	.44	.59	.74

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — COOLING CAPACITY — CVP10-46/EC10Q3

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	12.8	43,700	3290	.69	.83	.96	12.3	42,000	3650	.70	.85	.98	11.8	40,300	4090	.71	.87	1.00	11.3	38,500	4640	.72	.89	1.00
	660	1400	13.2	45,100	3300	.72	.87	1.00	12.7	43,500	3650	.73	.89	1.00	12.2	41,600	4100	.74	.91	1.00	11.6	39,500	4650	.76	.94	1.00
	755	1600	13.6	46,300	3300	.75	.91	1.00	13.0	44,500	3660	.77	.93	1.00	12.5	42,600	4100	.78	.96	1.00	11.9	40,700	4650	.80	.98	1.00
67°F (19.4°C)	565	1200	13.6	46,400	3300	.54	.67	.81	13.1	44,800	3660	.54	.68	.82	12.6	43,000	4110	.55	.69	.83	12.1	41,200	4660	.56	.71	.85
	660	1400	14.1	48,100	3310	.56	.70	.85	13.6	46,300	3670	.56	.71	.86	13.0	44,500	4110	.57	.73	.88	12.5	42,500	4670	.58	.74	.90
	755	1600	14.5	49,400	3310	.58	.73	.89	14.0	47,600	3670	.58	.74	.91	13.4	45,600	4120	.59	.76	.93	12.7	43,500	4680	.60	.78	.95
71°F (21.7°C)	565	1200	14.4	49,300	3310	.40	.54	.67	14.0	47,600	3670	.40	.54	.68	13.4	45,800	4120	.40	.55	.69	12.9	43,900	4680	.41	.56	.70
	660	1400	15.0	51,100	3320	.41	.56	.70	14.4	49,300	3680	.41	.56	.71	13.9	47,300	4130	.41	.57	.72	13.3	45,300	4690	.42	.58	.73
	755	1600	15.4	52,500	3330	.41	.57	.73	14.8	50,500	3690	.42	.58	.74	14.2	48,500	4140	.42	.59	.75	13.6	46,400	4700	.42	.60	.77

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–511–513 — HEATING CAPACITY — CB30M–46

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
590	1250	16.2	55,400	4105	12.5	42,700	3715	8.6	29,400	3290	6.2	21,000	2980	3.1	10,600	2215
660	1400	16.4	55,900	3985	12.7	43,200	3595	8.8	29,900	3170	6.3	21,500	2860	3.3	11,100	2095
730	1550	16.5	56,400	3890	12.8	43,700	3500	8.9	30,400	3075	6.4	22,000	2765	3.4	11,600	2000

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING CAPACITY — CVP10-46/EC10Q4

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	16.9	57,500	4070	13.4	45,800	3730	9.8	33,500	3385	7.2	24,500	2870	3.9	13,300	2200
660	1400	16.4	55,800	3890	12.9	44,100	3550	9.3	31,900	3205	6.7	22,900	2690	3.4	11,700	2020
755	1600	17.2	58,700	3765	13.8	47,000	3425	10.2	34,800	3080	7.6	25,800	2565	4.3	14,600	1895

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–511–513 — HEATING PERFORMANCE
CB30M–46 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3985	55,900	16.4
60	16	3900	53,000	15.5
55	13	3815	50,100	14.7
50	10	3730	47,200	13.8
47	8	3680	45,500	13.3
45	7	3595	43,200	12.7
40	4	3380	37,600	11.0
35	2	3170	32,000	9.4
30	-1	3170	30,900	9.1
25	-4	3170	29,900	8.8
20	-7	3170	28,800	8.4
17	-8	3170	28,200	8.3
15	-9	3135	27,000	7.9
10	-12	3050	24,200	7.1
5	-15	2860	21,500	6.3
0	-18	2670	18,900	5.5
-5	-21	2475	16,300	4.8
-10	-23	2285	13,700	4.0
-15	-26	2095	11,100	3.3
-20	-29	1900	8,500	2.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-511-513 — HEATING PERFORMANCE
CVP10-46/EC10Q4 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3890	55,800	16.4
60	16	3810	53,100	15.6
55	13	3725	50,400	14.8
50	10	3640	47,600	14.0
47	8	3590	46,000	13.5
45	7	3550	44,100	12.9
40	4	3450	39,400	11.5
35	2	3350	34,700	10.2
30	-1	3275	33,300	9.8
25	-4	3205	31,900	9.3
20	-7	3135	30,500	8.9
17	-8	3090	29,600	8.7
15	-9	3025	28,500	8.4
10	-12	2855	25,700	7.5
5	-15	2690	22,900	6.7
0	-18	2520	20,100	5.9
-5	-21	2355	17,300	5.1
-10	-23	2190	14,500	4.2
-15	-26	2020	11,700	3.4
-20	-29	1855	8900	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-511-513 — COOLING CAPACITY — CVP10-51/EC10Q4

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																				
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.2	44,900	3270	.72	.88	1.00	12.7	43,400	3620	.73	.89	1.00	12.2	41,600	4060	.74	.92	1.00	11.6	39,600	4610	.76	.94	1.00
	755	1600	13.5	46,200	3270	.75	.92	1.00	13.0	44,400	3630	.77	.94	1.00	12.5	42,700	4070	.78	.96	1.00	11.9	40,600	4620	.80	.99	1.00
	850	1800	13.8	47,100	3270	.79	.96	1.00	13.3	45,300	3630	.80	.98	1.00	12.8	43,600	4070	.81	1.00	1.00	12.3	41,800	4620	.83	1.00	1.00
67°F (19.4°C)	660	1400	14.0	47,900	3280	.56	.71	.85	13.6	46,300	3640	.57	.72	.86	13.0	44,400	4080	.58	.73	.88	12.5	42,500	4630	.59	.75	.90
	755	1600	14.4	49,200	3280	.58	.73	.89	13.9	47,500	3640	.59	.75	.91	13.3	45,500	4080	.60	.76	.93	12.7	43,500	4640	.61	.78	.95
	850	1800	14.7	50,300	3290	.60	.76	.93	14.2	48,500	3650	.61	.78	.95	13.6	46,500	4090	.62	.80	.97	13.0	44,400	4640	.63	.82	1.00
71°F (21.7°C)	660	1400	14.9	51,000	3290	.42	.56	.70	14.4	49,200	3650	.42	.56	.71	13.9	47,300	4100	.42	.57	.72	13.2	45,200	4650	.43	.58	.73
	755	1600	15.4	52,400	3300	.43	.58	.73	14.8	50,500	3660	.43	.58	.74	14.2	48,600	4100	.43	.59	.75	13.6	46,400	4660	.44	.60	.77
	850	1800	15.7	53,500	3300	.43	.59	.76	15.1	51,600	3660	.44	.60	.77	14.5	49,500	4110	.44	.61	.78	13.9	47,300	4670	.44	.63	.80

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — COOLING CAPACITY — CVP10-65/EC10Q5

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																				
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.4	45,800	3270	.73	.88	1.00	12.9	44,100	3630	.74	.90	1.00	12.4	42,400	4070	.75	.92	1.00	11.8	40,400	4620	.76	.94	1.00
	755	1600	13.9	47,300	3270	.76	.93	1.00	13.3	45,300	3630	.77	.95	1.00	12.8	43,600	4070	.78	.96	1.00	12.2	41,500	4620	.80	.99	1.00
	850	1800	14.2	48,500	3280	.79	.96	1.00	13.6	46,500	3640	.80	.98	1.00	13.1	44,700	4080	.82	1.00	1.00	12.5	42,700	4630	.83	1.00	1.00
67°F (19.4°C)	660	1400	14.3	48,700	3280	.57	.71	.86	13.7	46,900	3640	.57	.72	.87	13.2	45,000	4080	.58	.74	.89	12.6	43,000	4630	.59	.75	.91
	755	1600	14.7	50,000	3290	.59	.74	.90	14.1	48,100	3640	.59	.75	.91	13.5	46,200	4090	.60	.77	.93	12.9	44,000	4640	.61	.79	.95
	850	1800	14.9	51,000	3290	.60	.77	.94	14.4	49,100	3650	.61	.79	.96	13.8	47,100	4090	.62	.81	.98	13.1	44,800	4650	.63	.83	1.00
71°F (21.7°C)	660	1400	15.2	51,700	3290	.42	.56	.71	14.6	49,900	3650	.42	.57	.72	14.0	47,900	4100	.43	.57	.73	13.4	45,700	4650	.43	.58	.74
	755	1600	15.6	53,100	3300	.43	.58	.74	15.0	51,100	3660	.43	.59	.75	14.4	49,100	4110	.44	.60	.76	13.7	46,900	4660	.44	.61	.77
	850	1800	15.9	54,200	3310	.44	.60	.76	15.3	52,200	3670	.44	.61	.78	14.7	50,100	4110	.44	.62	.79	14.0	47,700	4670	.45	.63	.81

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — HEATING CAPACITY — CVP10-51/EC10Q4

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	17.1	58,400	3755	13.6	46,400	3465	9.9	33,900	3170	7.2	24,700	2690	3.9	13,200	2050
660	1400	16.7	57,100	3635	13.2	45,100	3345	9.6	32,600	3050	6.9	23,400	2570	3.5	11,900	1930
755	1600	17.4	59,500	3550	13.9	47,500	3260	10.3	35,000	2965	7.6	25,800	2485	4.2	14,400	1845

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING CAPACITY — CVP10-65/EC10Q5

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	17.1	58,500	3695	13.6	46,500	3420	10.0	34,000	3145	7.3	24,800	2675	3.9	13,400	2040
660	1400	16.7	57,100	3575	13.2	45,100	3300	9.6	32,600	3025	6.8	23,300	2555	3.5	11,900	1920
755	1600	17.5	59,700	3490	14.0	47,700	3215	10.3	35,200	2940	7.6	26,000	2470	4.2	14,500	1835

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING PERFORMANCE CVP10-51/EC10Q4 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3635	57,100	16.7
60	16	3565	54,300	15.9
55	13	3495	51,500	15.1
50	10	3420	48,700	14.3
47	8	3380	47,000	13.8
45	7	3345	45,100	13.2
40	4	3260	40,300	11.8
35	2	3170	35,500	10.4
30	-1	3110	34,000	10.0
25	-4	3050	32,600	9.6
20	-7	2990	31,100	9.1
17	-8	2955	30,200	8.9
15	-9	2890	29,100	8.5
10	-12	2730	26,200	7.7
5	-15	2570	23,400	6.9
0	-18	2410	20,500	6.0
-5	-21	2250	17,600	5.2
-10	-23	2090	14,800	4.3
-15	-26	1930	11,900	3.5
-20	-29	1775	9100	2.7

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-511-513 — HEATING PERFORMANCE CVP10-65/EC10Q5 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3575	57,100	16.7
60	16	3505	54,300	15.9
55	13	3440	51,500	15.1
50	10	3375	48,700	14.3
47	8	3335	47,000	13.8
45	7	3300	45,100	13.2
40	4	3220	40,300	11.8
35	2	3135	35,600	10.4
30	-1	3080	34,100	10.0
25	-4	3025	32,600	9.6
20	-7	2970	31,100	9.1
17	-8	2935	30,200	8.9
15	-9	2870	29,100	8.5
10	-12	2715	26,200	7.7
5	-15	2555	23,300	6.8
0	-18	2395	20,500	6.0
-5	-21	2235	17,600	5.2
-10	-23	2080	14,800	4.3
-15	-26	1920	11,900	3.5
-20	-29	1760	9100	2.7

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-511-513 — COOLING CAPACITY — C26-46(FC) — CH23-65

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	13.3	45,500	3300	.68	.82	.95	12.9	43,900	3660	.69	.84	.97	12.4	42,200	4100	.70	.85	.98	11.8	40,400	4660	.71	.87	1.00
	660	1400	13.9	47,300	3300	.71	.86	1.00	13.4	45,600	3660	.72	.88	1.00	12.8	43,800	4110	.73	.90	1.00	12.3	41,800	4660	.75	.92	1.00
	755	1600	14.3	48,700	3310	.74	.90	1.00	13.7	46,900	3670	.75	.92	1.00	13.2	45,100	4120	.77	.94	1.00	12.6	42,900	4670	.79	.96	1.00
67°F (19.4°C)	565	1200	14.0	47,700	3310	.53	.67	.80	13.5	46,100	3670	.54	.68	.81	13.0	44,300	4110	.55	.69	.83	12.5	42,500	4670	.55	.70	.84
	660	1400	14.6	49,900	3310	.55	.70	.84	14.0	47,900	3670	.56	.71	.86	13.5	46,100	4120	.56	.72	.87	12.9	44,100	4680	.57	.74	.89
	755	1600	15.0	51,300	3320	.57	.72	.88	14.5	49,400	3680	.58	.74	.90	13.9	47,500	4130	.58	.75	.92	13.3	45,400	4690	.59	.77	.94
71°F (21.7°C)	565	1200	14.6	49,900	3310	.40	.54	.67	14.1	48,200	3680	.40	.54	.68	13.6	46,400	4120	.40	.55	.69	13.0	44,500	4680	.41	.56	.70
	660	1400	15.2	52,000	3320	.41	.55	.70	14.7	50,200	3690	.41	.56	.71	14.1	48,200	4140	.41	.57	.72	13.5	46,200	4690	.41	.58	.73
	755	1600	15.7	53,600	3330	.41	.57	.73	15.2	51,700	3690	.42	.58	.74	14.6	49,700	4140	.42	.59	.75	14.0	47,600	4710	.42	.60	.76

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — COOLING CAPACITY — C26-51(FC)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	13.4	45,700	3300	.68	.82	.95	12.9	44,100	3660	.69	.84	.97	12.4	42,400	4100	.70	.86	.99	11.9	40,700	4660	.71	.88	1.00
	660	1400	14.0	47,700	3310	.71	.86	1.00	13.4	45,800	3670	.72	.88	1.00	12.9	44,000	4110	.74	.90	1.00	12.3	42,000	4660	.75	.93	1.00
	755	1600	14.4	49,000	3310	.74	.90	1.00	13.8	47,200	3670	.76	.92	1.00	13.3	45,400	4120	.77	.95	1.00	12.7	43,200	4670	.79	.97	1.00
67°F (19.4°C)	565	1200	14.1	48,000	3310	.54	.67	.81	13.6	46,300	3670	.54	.68	.82	13.1	44,600	4110	.55	.69	.83	12.5	42,700	4670	.55	.71	.85
	660	1400	14.7	50,100	3310	.55	.70	.85	14.2	48,300	3680	.56	.71	.86	13.6	46,400	4120	.57	.72	.88	13.0	44,400	4680	.58	.74	.90
	755	1600	15.1	51,600	3320	.57	.73	.89	14.6	49,700	3680	.58	.74	.90	14.0	47,700	4130	.59	.76	.92	13.4	45,600	4690	.60	.77	.95
71°F (21.7°C)	565	1200	14.7	50,100	3320	.40	.54	.67	14.2	48,400	3680	.40	.54	.68	13.7	46,600	4130	.40	.55	.69	13.1	44,700	4680	.41	.56	.70
	660	1400	15.3	52,300	3320	.41	.56	.70	14.8	50,600	3690	.41	.56	.71	14.2	48,500	4140	.41	.57	.72	13.6	46,500	4700	.42	.58	.73
	755	1600	15.8	53,900	3330	.41	.57	.73	15.2	52,000	3700	.42	.58	.74	14.7	50,000	4150	.42	.59	.75	14.0	47,800	4710	.42	.60	.77

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — HEATING CAPACITY — C26-46(FC) — CH23-65

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	16.9	57,500	4055	13.4	45,700	3725	9.8	33,500	3390	7.2	24,500	2875	3.9	13,300	2205
660	1400	16.4	55,800	3880	12.9	44,100	3550	9.3	31,900	3215	6.7	22,900	2700	3.4	11,700	2030
755	1600	17.2	58,700	3755	13.8	47,000	3425	10.2	34,700	3090	7.5	25,700	2575	4.2	14,500	1905

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING CAPACITY — C26-51(FC)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	16.4	55,900	3980	12.9	43,900	3665	9.2	31,300	3345	6.5	22,200	2845	3.2	11,000	2180
660	1400	16.6	56,500	3810	13.0	44,500	3495	9.3	31,900	3175	6.7	22,900	2670	3.4	11,700	2005
755	1600	16.7	57,100	3690	13.2	45,100	3375	9.5	32,500	3055	6.9	23,500	2550	3.6	12,300	1890

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING PERFORMANCE C26-46(FC) — CH23-65 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3880	55,800	16.4
60	16	3800	53,100	15.6
55	13	3720	50,400	14.8
50	10	3635	47,600	14.0
47	8	3590	46,000	13.5
45	7	3550	44,100	12.9
40	4	3450	39,400	11.5
35	2	3355	34,700	10.2
30	-1	3285	33,300	9.8
25	-4	3215	31,900	9.3
20	-7	3145	30,500	8.9
17	-8	3105	29,600	8.7
15	-9	3035	28,500	8.4
10	-12	2870	25,700	7.5
5	-15	2700	22,900	6.7
0	-18	2530	20,100	5.9
-5	-21	2365	17,300	5.1
-10	-23	2195	14,500	4.2
-15	-26	2030	11,700	3.4
-20	-29	1860	8900	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-511-513 — HEATING PERFORMANCE C26-51(FC) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3810	56,500	16.6
60	16	3730	53,700	15.7
55	13	3655	50,900	14.9
50	10	3575	48,100	14.1
47	8	3530	46,400	13.6
45	7	3495	44,500	13.0
40	4	3400	39,700	11.6
35	2	3305	34,800	10.2
30	-1	3240	33,400	9.8
25	-4	3175	31,900	9.3
20	-7	3110	30,500	8.9
17	-8	3070	29,600	8.7
15	-9	3000	28,500	8.4
10	-12	2835	25,700	7.5
5	-15	2670	22,900	6.7
0	-18	2505	20,100	5.9
-5	-21	2340	17,300	5.1
-10	-23	2175	14,500	4.2
-15	-26	2005	11,700	3.4
-20	-29	1840	8900	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-511-513 — COOLING CAPACITY — C26-65(FC)(EAP) — CH23-68

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	13.9	47,300	3300	.68	.82	.95	13.4	45,600	3660	.69	.84	.97	12.8	43,700	4120	.70	.85	.99	12.2	41,700	4670	.71	.88	1.00
	660	1400	14.4	49,200	3310	.71	.86	1.00	13.9	47,300	3670	.72	.88	1.00	13.2	45,200	4120	.74	.90	1.00	12.6	43,000	4670	.75	.93	1.00
	755	1600	14.9	50,700	3320	.74	.90	1.00	14.2	48,500	3680	.76	.93	1.00	13.6	46,500	4120	.77	.95	1.00	13.0	44,200	4680	.79	.98	1.00
67°F (19.4°C)	565	1200	14.7	50,100	3320	.53	.67	.80	14.2	48,300	3680	.54	.68	.81	13.6	46,400	4120	.55	.69	.83	13.0	44,300	4680	.55	.70	.84
	660	1400	15.2	52,000	3320	.55	.70	.84	14.7	50,200	3690	.56	.71	.86	14.1	48,100	4130	.57	.72	.87	13.5	45,900	4690	.57	.74	.89
	755	1600	15.7	53,700	3330	.57	.72	.88	15.1	51,500	3690	.58	.74	.90	14.5	49,400	4140	.59	.75	.92	13.8	47,100	4700	.60	.77	.94
71°F (21.7°C)	565	1200	15.5	52,900	3330	.40	.53	.67	14.9	51,000	3690	.40	.54	.67	14.4	49,000	4140	.40	.55	.68	13.7	46,900	4700	.41	.55	.69
	660	1400	16.1	54,900	3340	.40	.55	.69	15.5	52,900	3700	.41	.56	.70	14.9	50,800	4150	.41	.57	.72	14.2	48,600	4720	.41	.57	.73
	755	1600	16.6	56,500	3340	.41	.57	.72	15.9	54,400	3710	.41	.58	.73	15.3	52,200	4160	.42	.59	.75	14.6	49,800	4730	.42	.60	.76

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — COOLING CAPACITY — CR26–51(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	12.4	42,400	3280	.67	.81	.94	12.0	41,000	3650	.68	.83	.96	11.5	39,300	4090	.69	.85	.98	11.0	37,700	4640	.71	.87	1.00
	660	1400	12.9	44,000	3290	.71	.85	1.00	12.4	42,400	3650	.72	.87	1.00	12.0	40,800	4090	.73	.89	1.00	11.4	39,000	4650	.74	.91	1.00
	755	1600	13.2	45,200	3300	.74	.88	1.00	12.8	43,600	3660	.75	.90	1.00	12.3	41,900	4100	.76	.93	1.00	11.7	39,900	4650	.78	.95	1.00
67°F (19.4°C)	565	1200	13.2	45,000	3300	.53	.67	.79	12.7	43,500	3660	.53	.67	.80	12.3	41,900	4100	.54	.68	.82	11.8	40,200	4650	.55	.70	.83
	660	1400	13.7	46,800	3300	.55	.69	.83	13.2	45,200	3660	.55	.70	.85	12.7	43,500	4110	.56	.71	.86	12.2	41,600	4660	.57	.73	.88
	755	1600	14.1	48,100	3310	.56	.71	.88	13.6	46,400	3670	.57	.73	.89	13.1	44,600	4110	.58	.74	.91	12.5	42,700	4670	.59	.76	.93
71°F (21.7°C)	565	1200	14.0	47,700	3310	.39	.53	.66	13.5	46,100	3670	.39	.54	.67	13.0	44,400	4110	.40	.54	.67	12.5	42,600	4670	.40	.55	.68
	660	1400	14.5	49,500	3310	.40	.55	.69	14.0	47,900	3670	.40	.55	.69	13.5	46,100	4120	.40	.56	.70	13.0	44,200	4680	.41	.57	.72
	755	1600	14.9	51,000	3320	.41	.56	.71	14.4	49,200	3680	.41	.57	.73	13.9	47,300	4130	.41	.58	.74	13.3	45,300	4690	.42	.59	.75

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — HEATING CAPACITY — C26-65(FC)(EAP) — CH23-68

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	16.4	56,100	3930	12.9	44,000	3620	9.2	31,300	3310	6.5	22,200	2815	3.2	11,000	2160
660	1400	16.6	56,700	3755	13.1	44,600	3450	9.4	32,000	3140	6.7	22,900	2640	3.4	11,700	1985
755	1600	16.8	57,400	3615	13.2	45,200	3310	9.6	32,600	3000	6.9	23,500	2500	3.6	12,300	1845

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING CAPACITY — CR26-51(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
565	1200	16.1	55,100	4375	12.7	43,300	3975	9.1	31,000	3575	6.5	22,100	3015	3.2	11,000	2320
660	1400	16.3	55,700	4165	12.9	43,900	3765	9.3	31,600	3360	6.7	22,700	2805	3.4	11,600	2110
755	1600	16.5	56,200	4015	13.0	44,500	3615	9.4	32,200	3210	6.8	23,300	2655	3.5	12,100	1960

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING PERFORMANCE C26-65(FC)(EAP) — CH23-68 at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3755	56,700	16.6
60	16	3680	53,900	15.8
55	13	3605	51,100	15.0
50	10	3530	48,300	14.2
47	8	3485	46,600	13.7
45	7	3450	44,600	13.1
40	4	3355	39,800	11.7
35	2	3265	34,900	10.2
30	-1	3200	33,400	9.8
25	-4	3140	32,000	9.4
20	-7	3075	30,500	8.9
17	-8	3035	29,600	8.7
15	-9	2970	28,500	8.4
10	-12	2805	25,700	7.5
5	-15	2640	22,900	6.7
0	-18	2480	20,100	5.9
-5	-21	2315	17,300	5.1
-10	-23	2150	14,500	4.2
-15	-26	1985	11,700	3.4
-20	-29	1820	8900	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25-511-513 — HEATING PERFORMANCE CR26-51(N)(W) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	4165	55,700	16.3
60	16	4065	53,000	15.5
55	13	3970	50,200	14.7
50	10	3870	47,500	13.9
47	8	3810	45,800	13.4
45	7	3765	43,900	12.9
40	4	3650	39,200	11.5
35	2	3535	34,400	10.1
30	-1	3450	33,000	9.7
25	-4	3360	31,600	9.3
20	-7	3275	30,200	8.9
17	-8	3225	29,400	8.6
15	-9	3155	28,300	8.3
10	-12	2980	25,500	7.5
5	-15	2805	22,700	6.7
0	-18	2630	19,900	5.8
-5	-21	2455	17,200	5.0
-10	-23	2285	14,400	4.2
-15	-26	2110	11,600	3.4
-20	-29	1935	8,800	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

COOLING AND HEATING RATINGS

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

HP25-511-513 — COOLING CAPACITY — CR26–65(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.4	45,800	3300	.72	.87	1.00	13.0	44,200	3660	.73	.89	1.00	12.4	42,400	4090	.74	.91	1.00	11.9	40,500	4650	.75	.93	1.00
	755	1600	13.8	47,100	3300	.75	.91	1.00	13.3	45,400	3660	.76	.93	1.00	12.7	43,400	4100	.77	.95	1.00	12.2	41,500	4660	.79	.97	1.00
	850	1800	14.1	48,100	3310	.78	.94	1.00	13.6	46,300	3670	.79	.96	1.00	13.0	44,400	4110	.81	.98	1.00	12.5	42,600	4660	.82	1.00	1.00
67°F (19.4°C)	660	1400	14.3	48,700	3310	.56	.70	.84	13.8	47,000	3670	.57	.71	.86	13.2	45,200	4110	.57	.72	.87	12.7	43,200	4670	.58	.74	.89
	755	1600	14.7	50,200	3310	.58	.73	.88	14.2	48,400	3670	.58	.74	.90	13.6	46,400	4120	.59	.76	.92	13.0	44,300	4680	.60	.78	.94
	850	1800	15.0	51,300	3320	.59	.75	.92	14.5	49,400	3680	.60	.77	.94	13.9	47,400	4130	.61	.79	.96	13.3	45,300	4680	.62	.81	.98
71°F (21.7°C)	660	1400	15.1	51,600	3320	.42	.56	.70	14.6	49,800	3680	.42	.56	.71	14.0	47,900	4130	.42	.57	.72	13.5	45,900	4690	.42	.58	.73
	755	1600	15.6	53,100	3330	.42	.57	.72	15.0	51,200	3690	.43	.58	.73	14.4	49,200	4140	.43	.59	.75	13.8	47,100	4700	.43	.60	.76
	850	1800	15.9	54,400	3330	.43	.59	.75	15.4	52,400	3690	.43	.60	.76	14.7	50,300	4140	.44	.61	.78	14.1	48,100	4710	.44	.62	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–651–653 — COOLING CAPACITY — CB30M–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	16.0	54,700	3950	.69	.81	.92	15.5	52,900	4420	.70	.82	.94	14.9	51,000	4930	.71	.83	.95	14.4	49,000	5490	.72	.85	.97
	755	1600	16.4	56,100	3960	.71	.84	.96	15.9	54,200	4420	.72	.86	.97	15.3	52,300	4940	.73	.87	.98	14.7	50,200	5500	.74	.89	1.00
	850	1800	16.8	57,300	3960	.74	.88	.99	16.2	55,400	4420	.75	.89	1.00	15.6	53,400	4940	.76	.91	1.00	15.0	51,300	5500	.77	.92	1.00
67°F (19.4°C)	660	1400	17.1	58,500	3960	.55	.66	.77	16.6	56,600	4420	.55	.67	.79	16.0	54,600	4940	.56	.68	.80	15.4	52,500	5510	.56	.69	.81
	755	1600	17.6	59,900	3960	.56	.69	.81	17.0	58,000	4430	.56	.69	.82	16.4	55,900	4950	.57	.70	.84	15.7	53,600	5510	.58	.72	.85
	850	1800	17.9	61,100	3970	.57	.71	.84	17.3	59,100	4430	.58	.72	.86	16.7	56,900	4950	.59	.73	.87	16.0	54,600	5520	.59	.75	.89
71°F (21.7°C)	660	1400	18.4	62,700	3970	.42	.53	.63	17.8	60,700	4430	.42	.53	.64	17.2	58,600	4950	.42	.54	.65	16.5	56,300	5520	.42	.54	.66
	755	1600	18.8	64,100	3970	.42	.54	.66	18.2	62,100	4440	.42	.55	.67	17.6	59,900	4960	.43	.55	.68	16.8	57,400	5530	.43	.56	.69
	850	1800	19.1	65,300	3980	.43	.56	.68	18.5	63,200	4440	.43	.56	.69	17.8	60,900	4960	.43	.57	.71	17.1	58,400	5530	.43	.58	.72

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-511-513 — HEATING CAPACITY — CR26-65(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
660	1400	16.5	56,400	3860	13.0	44,300	3565	9.3	31,700	3270	6.6	22,600	2780	3.3	11,200	2125
755	1600	16.7	57,000	3710	13.2	45,000	3420	9.5	32,400	3120	6.8	23,200	2635	3.5	11,900	1980
850	1800	13.9	47,300	3370	10.3	35,300	3080	6.7	22,700	2780	4.0	13,500	2295	0.6	2,200	1640

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–651–653 — HEATING CAPACITY — CB30M–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
660	1400	19.8	67,600	5310	15.8	53,900	4790	11.7	39,800	4275	8.3	28,300	3610	4.1	14,100	2715
755	1600	20.0	68,200	5120	16.0	54,500	4600	11.8	40,400	4085	8.5	28,900	3420	4.3	14,700	2525
850	1800	20.2	68,800	4965	16.1	55,100	4445	12.0	41,000	3930	8.6	29,500	3265	4.5	15,300	2370

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-511-513 — HEATING PERFORMANCE CR26-65(N)(W) at 1400 cfm (660 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	3710	57,000	16.7
60	16	3640	54,200	15.9
55	13	3570	51,400	15.1
50	10	3495	48,600	14.2
47	8	3455	46,900	13.7
45	7	3420	45,000	13.2
40	4	3330	40,100	11.8
35	2	3245	35,200	10.3
30	-1	3185	33,800	9.9
25	-4	3120	32,400	9.5
20	-7	3060	30,900	9.1
17	-8	3025	30,100	8.8
15	-9	2960	28,900	8.5
10	-12	2795	26,100	7.6
5	-15	2635	23,200	6.8
0	-18	2470	20,400	6.0
-5	-21	2305	17,600	5.2
-10	-23	2140	14,700	4.3
-15	-26	1980	11,900	3.5
-20	-29	1815	9,000	2.6

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–651–653 — HEATING PERFORMANCE CB30M–51 at 1600 cfm (755 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5120	68,200	20.0
60	16	4985	65,000	19.0
55	13	4855	61,700	18.1
50	10	4720	58,500	17.1
47	8	4640	56,500	16.6
45	7	4600	54,500	16.0
40	4	4495	49,500	14.5
35	2	4395	44,600	13.1
30	-1	4240	42,500	12.5
25	-4	4085	40,400	11.8
20	-7	3925	38,300	11.2
17	-8	3835	37,000	10.8
15	-9	3780	35,700	10.5
10	-12	3645	32,500	9.5
5	-15	3420	28,900	8.5
0	-18	3195	25,300	7.4
-5	-21	2970	21,800	6.4
-10	-23	2750	18,200	5.3
-15	-26	2525	14,700	4.3
-20	-29	2300	11,100	3.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-651-653 — COOLING CAPACITY — CB31MV–51

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	670	1425	16.2	55,200	3920	.69	.82	.93	15.6	53,400	4380	.70	.83	.94	15.1	51,500	4890	.71	.84	.96	14.5	49,500	5450	.72	.86	.97
	765	1625	16.6	56,500	3920	.72	.85	.96	16.0	54,600	4380	.72	.86	.98	15.4	52,700	4890	.73	.87	.99	14.8	50,600	5450	.75	.89	1.00
	850	1805	16.9	57,600	3920	.74	.88	.99	16.3	55,700	4380	.75	.89	1.00	15.7	53,700	4900	.76	.91	1.00	15.1	51,500	5450	.77	.92	1.00
67°F (19.4°C)	670	1425	17.3	59,100	3930	.55	.67	.78	16.8	57,200	4390	.55	.67	.79	16.2	55,200	4900	.56	.68	.81	15.5	52,900	5460	.57	.69	.82
	765	1625	17.7	60,400	3930	.56	.69	.81	17.1	58,400	4390	.57	.70	.83	16.5	56,300	4900	.57	.71	.84	15.8	53,900	5470	.58	.72	.86
	850	1805	18.0	61,400	3930	.57	.71	.84	17.4	59,300	4390	.58	.72	.86	16.8	57,200	4900	.59	.73	.87	16.1	54,800	5470	.59	.75	.89
71°F (21.7°C)	670	1425	18.6	63,300	3940	.42	.53	.64	18.0	61,300	4390	.42	.54	.65	17.3	59,200	4910	.42	.54	.66	16.6	56,800	5480	.42	.55	.67
	765	1625	18.9	64,600	3940	.42	.54	.66	18.3	62,500	4400	.43	.55	.67	17.6	60,200	4910	.43	.55	.68	16.9	57,800	5480	.43	.56	.69
	850	1805	19.2	65,600	3940	.43	.56	.68	18.6	63,500	4400	.43	.56	.69	17.9	61,100	4920	.43	.57	.71	17.2	58,700	5490	.44	.58	.72

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–651–653 — COOLING CAPACITY — CB30M–65

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	780	1650	16.8	57,300	3970	.72	.85	.97	16.2	55,300	4430	.73	.86	.98	15.6	53,400	4950	.74	.88	.99	15.0	51,200	5520	.75	.90	1.00
	850	1800	17.1	58,200	3970	.73	.87	.99	16.5	56,200	4440	.75	.89	1.00	15.9	54,200	4950	.76	.90	1.00	15.2	52,000	5520	.77	.92	1.00
	920	1950	17.3	59,000	3970	.75	.90	1.00	16.7	57,000	4440	.76	.91	1.00	16.1	55,000	4960	.78	.93	1.00	15.5	52,800	5520	.79	.95	1.00
67°F (19.4°C)	780	1650	17.9	61,200	3980	.56	.69	.82	17.3	59,100	4440	.57	.70	.83	16.7	57,000	4960	.57	.71	.84	16.0	54,600	5530	.58	.72	.86
	850	1800	18.2	62,000	3980	.57	.71	.84	17.6	59,900	4440	.58	.72	.85	16.9	57,700	4960	.59	.73	.87	16.2	55,300	5530	.59	.75	.89
	920	1950	18.4	62,700	3980	.58	.73	.87	17.8	60,600	4440	.59	.74	.88	17.1	58,400	4970	.60	.75	.90	16.4	55,900	5540	.61	.77	.92
71°F (21.7°C)	780	1650	19.2	65,400	3990	.42	.54	.66	18.6	63,300	4450	.43	.55	.67	17.9	61,000	4970	.43	.56	.68	17.2	58,600	5550	.43	.56	.70
	850	1800	19.4	66,300	3990	.43	.56	.68	18.8	64,100	4450	.43	.56	.69	18.1	61,800	4980	.43	.57	.71	17.4	59,300	5550	.43	.58	.72
	920	1950	19.6	67,000	3990	.43	.57	.70	19.0	64,800	4460	.43	.57	.71	18.3	62,500	4980	.44	.58	.73	17.6	59,900	5550	.44	.59	.74

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–651–653 — HEATING CAPACITY — CB31MV–51

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
675	1425	19.5	66,500	5070	15.5	52,900	4530	11.4	38,900	3985	8.1	27,500	3360	3.9	13,400	2485
765	1625	19.8	67,600	5055	15.8	54,000	4515	11.7	40,000	3970	8.4	28,600	3345	4.2	14,500	2470
850	1805	19.9	68,000	4745	15.9	54,400	4205	11.8	40,400	3660	8.5	29,000	3035	4.4	14,900	2160

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–651–653 — HEATING CAPACITY — CB30M–65

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
780	1650	20.0	68,300	5140	16.0	54,500	4625	11.8	40,300	4120	8.4	28,700	3445	4.2	14,300	2565
850	1800	20.2	68,800	5055	16.1	55,000	4540	12.0	40,800	4035	8.6	29,200	3360	4.3	14,800	2480
920	1950	20.3	69,400	4970	16.3	55,600	4455	12.1	41,400	3950	8.7	29,800	3275	4.5	15,400	2395

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–651–653 — HEATING PERFORMANCE CB31MV–51 at 1625 cfm (765 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5055	67,600	19.8
60	16	4920	64,400	18.9
55	13	4785	61,200	17.9
50	10	4650	57,900	17.0
47	8	4565	56,000	16.4
45	7	4515	54,000	15.8
40	4	4375	49,100	14.4
35	2	4240	44,100	12.9
30	-1	4105	42,000	12.3
25	-4	3970	40,000	11.7
20	-7	3835	37,900	11.1
17	-8	3755	36,600	10.7
15	-9	3700	35,300	10.3
10	-12	3565	32,100	9.4
5	-15	3345	28,600	8.4
0	-18	3125	25,000	7.3
-5	-21	2905	21,500	6.3
-10	-23	2690	18,000	5.3
-15	-26	2470	14,500	4.2
-20	-29	2250	11,000	3.2

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25–651–653 — HEATING PERFORMANCE CB30M–65 at 1800 cfm (850 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5055	68,800	20.2
60	16	4920	65,500	19.2
55	13	4785	62,200	18.2
50	10	4650	59,000	17.3
47	8	4570	57,000	16.7
45	7	4540	55,000	16.1
40	4	4450	50,000	14.7
35	2	4365	45,000	13.2
30	-1	4200	42,900	12.6
25	-4	4035	40,800	12.0
20	-7	3870	38,700	11.3
17	-8	3770	37,400	11.0
15	-9	3715	36,100	10.6
10	-12	3580	32,800	9.6
5	-15	3360	29,200	8.6
0	-18	3140	25,600	7.5
-5	-21	2920	22,000	6.4
-10	-23	2700	18,400	5.4
-15	-26	2480	14,800	4.3
-20	-29	2260	11,200	3.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-651-653 — COOLING CAPACITY — CB31MV–65

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	765	1625	16.7	56,900	4000	.71	.84	.96	16.1	55,000	4470	.72	.86	.97	15.6	53,100	5000	.73	.87	.99	14.9	51,000	5560	.74	.89	1.00
	850	1805	17.1	58,200	4000	.74	.88	.99	16.5	56,200	4480	.75	.89	1.00	15.9	54,200	5000	.76	.91	1.00	15.2	52,000	5570	.77	.92	1.00
	945	2005	17.3	59,200	4010	.76	.91	1.00	16.8	57,300	4480	.77	.92	1.00	16.2	55,200	5000	.79	.94	1.00	15.5	53,000	5570	.80	.96	1.00
67°F (19.4°C)	765	1625	17.8	60,800	4010	.56	.69	.81	17.2	58,800	4480	.57	.69	.82	16.6	56,700	5000	.57	.71	.84	15.9	54,400	5580	.58	.72	.85
	850	1805	18.2	62,000	4010	.57	.71	.84	17.6	59,900	4480	.58	.72	.86	16.9	57,700	5010	.59	.73	.87	16.2	55,300	5580	.59	.75	.89
	945	2005	18.4	62,900	4010	.59	.74	.88	17.8	60,800	4480	.59	.75	.89	17.1	58,500	5010	.60	.76	.91	16.4	56,100	5590	.61	.78	.93
71°F (21.7°C)	765	1625	19.1	65,100	4020	.42	.54	.66	18.5	63,000	4490	.43	.55	.67	17.8	60,700	5020	.43	.55	.68	17.1	58,300	5600	.43	.56	.69
	850	1805	19.4	66,200	4020	.43	.56	.68	18.8	64,100	4490	.43	.56	.69	18.1	61,700	5020	.43	.57	.71	17.3	59,200	5600	.44	.58	.72
	945	2005	19.7	67,200	4030	.43	.57	.71	19.0	65,000	4500	.43	.58	.72	18.3	62,600	5020	.44	.59	.74	17.6	60,000	5600	.44	.60	.75

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-651-653 — COOLING CAPACITY — CVP10-65/EC10Q5

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	755	1600	15.9	54,200	4020	.71	.85	.99	15.3	52,200	4470	.72	.87	1.00	14.7	50,200	5030	.73	.89	1.00	14.1	48,100	5710	.74	.91	1.00
	850	1800	16.3	55,700	4040	.73	.89	1.00	15.7	53,700	4490	.74	.91	1.00	15.1	51,600	5040	.76	.93	1.00	14.4	49,100	5730	.77	.95	1.00
	945	2000	16.7	57,000	4050	.76	.92	1.00	16.1	54,800	4500	.77	.94	1.00	15.5	52,800	5050	.78	.96	1.00	14.8	50,400	5740	.80	.98	1.00
67°F (19.4°C)	755	1600	16.9	57,700	4060	.55	.69	.83	16.3	55,700	4510	.56	.70	.84	15.7	53,500	5060	.56	.71	.86	15.0	51,300	5750	.57	.73	.88
	850	1800	17.3	59,100	4070	.57	.71	.87	16.7	57,100	4520	.57	.73	.88	16.1	54,800	5080	.58	.74	.90	15.4	52,400	5760	.59	.76	.92
	945	2000	17.7	60,300	4080	.58	.74	.90	17.1	58,200	4530	.59	.75	.92	16.4	55,900	5090	.60	.77	.94	15.6	53,400	5770	.61	.79	.96
71°F (21.7°C)	755	1600	17.9	61,200	4090	.41	.55	.69	17.3	59,100	4540	.41	.55	.70	16.7	56,900	5100	.41	.56	.71	16.0	54,500	5790	.42	.57	.72
	850	1800	18.4	62,700	4100	.41	.56	.71	17.7	60,500	4560	.42	.57	.72	17.1	58,200	5110	.42	.58	.73	16.3	55,700	5800	.42	.59	.75
	945	2000	18.7	63,900	4120	.42	.58	.74	18.1	61,700	4570	.42	.59	.75	17.4	59,300	5130	.43	.60	.76	16.6	56,800	5820	.43	.61	.77

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25–651–653 — HEATING CAPACITY — CB31MV–65

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
765	1625	20.0	68,100	5175	15.9	54,200	4620	11.7	39,800	4065	8.3	28,200	3430	4.1	13,900	2565
850	1805	20.2	68,900	5070	16.1	55,000	4515	11.9	40,600	3960	8.5	29,000	3325	4.3	14,700	2460
945	2005	20.4	69,600	4945	16.3	55,700	4390	12.1	41,300	3835	8.7	29,700	3200	4.5	15,400	2335

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-651-653 — HEATING CAPACITY — CVP10-65/EC10Q5

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
755	1600	20.5	70,000	5390	16.5	56,400	4785	12.5	42,500	4175	8.9	30,200	3475	4.7	16,000	2670
850	1800	20.2	68,800	5155	16.2	55,200	4550	12.1	41,300	3940	8.5	28,900	3240	4.3	14,800	2435
945	2000	20.8	70,900	5110	16.8	57,400	4505	12.7	43,400	3895	9.1	31,100	3195	5.0	16,900	2390

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25–651–653 — HEATING PERFORMANCE CB31MV–65 at 1805 cfm (850 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5070	68,900	20.2
60	16	4930	65,600	19.2
55	13	4790	62,300	18.3
50	10	4655	59,000	17.3
47	8	4570	57,000	16.7
45	7	4515	55,000	16.1
40	4	4375	49,900	14.6
35	2	4235	44,900	13.2
30	-1	4100	42,800	12.5
25	-4	3960	40,600	11.9
20	-7	3820	38,500	11.3
17	-8	3740	37,200	10.9
15	-9	3685	35,900	10.5
10	-12	3545	32,600	9.6
5	-15	3325	29,000	8.5
0	-18	3110	25,400	7.4
-5	-21	2895	21,900	6.4
-10	-23	2675	18,300	5.4
-15	-26	2460	14,700	4.3
-20	-29	2245	11,200	3.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

HP25-651-653 — HEATING PERFORMANCE CVP10-65/EC10Q5 at 1800 cfm (850 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5155	68,800	20.2
60	16	5005	65,500	19.2
55	13	4860	62,200	18.2
50	10	4710	59,000	17.3
47	8	4620	57,000	16.7
45	7	4550	55,200	16.2
40	4	4380	50,600	14.8
35	2	4210	46,100	13.5
30	-1	4075	43,700	12.8
25	-4	3940	41,300	12.1
20	-7	3805	38,900	11.4
17	-8	3725	37,400	11.0
15	-9	3645	36,000	10.6
10	-12	3445	32,400	9.5
5	-15	3240	28,900	8.5
0	-18	3040	25,400	7.4
-5	-21	2840	21,800	6.4
-10	-23	2640	18,300	5.4
-15	-26	2435	14,800	4.3
-20	-29	2235	11,200	3.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

COOLING AND HEATING RATINGS

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

HP25-651-653 — COOLING CAPACITY — C26-65(FC) — C26-65(FC)EAP — CH23-68

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	755	1600	16.7	57,000	4050	.69	.83	.97	16.1	54,800	4500	.70	.85	.99	15.4	52,600	5040	.71	.87	1.00	14.7	50,300	5740	.72	.89	1.00
	850	1800	17.1	58,400	4060	.71	.87	1.00	16.4	56,100	4510	.73	.89	1.00	15.8	54,000	5060	.74	.91	1.00	15.0	51,300	5750	.76	.93	1.00
	945	2000	17.6	59,900	4070	.74	.90	1.00	16.8	57,400	4520	.75	.92	1.00	16.1	54,900	5080	.77	.94	1.00	15.4	52,500	5760	.79	.97	1.00
67°F (19.4°C)	755	1600	17.6	60,100	4080	.54	.68	.81	17.0	58,000	4530	.55	.69	.83	16.3	55,700	5080	.55	.70	.84	15.6	53,300	5770	.56	.71	.86
	850	1800	18.1	61,900	4100	.55	.70	.85	17.4	59,500	4550	.56	.71	.86	16.8	57,200	5100	.57	.72	.88	16.0	54,700	5790	.58	.74	.90
	945	2000	18.5	63,200	4110	.57	.72	.88	17.8	60,800	4560	.58	.73	.90	17.1	58,400	5120	.58	.75	.92	16.4	55,800	5800	.59	.77	.94
71°F (21.7°C)	755	1600	18.6	63,400	4110	.40	.54	.67	17.9	61,200	4560	.40	.55	.68	17.2	58,800	5120	.41	.55	.69	16.5	56,400	5810	.41	.56	.70
	850	1800	19.1	65,200	4130	.41	.55	.70	18.4	62,700	4580	.41	.56	.71	17.7	60,300	5140	.41	.57	.72	16.9	57,800	5830	.42	.58	.73
	945	2000	19.5	66,700	4150	.41	.57	.72	18.8	64,200	4600	.42	.58	.73	18.1	61,600	5160	.42	.58	.75	17.3	59,000	5840	.42	.59	.76

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-651-653 — COOLING CAPACITY — CR26-65(N)(W)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	755	1600	16.5	56,200	4060	.69	.84	.97	15.9	54,200	4500	.70	.85	.99	15.2	51,800	5050	.71	.87	1.00	14.5	49,500	5740	.73	.90	1.00
	895	1900	17.1	58,500	4070	.73	.89	1.00	16.5	56,200	4520	.74	.91	1.00	15.7	53,500	5080	.76	.93	1.00	15.0	51,200	5760	.77	.96	1.00
	1040	2200	17.6	60,000	4090	.77	.94	1.00	16.9	57,700	4540	.78	.96	1.00	16.2	55,200	5090	.80	.98	1.00	15.5	52,800	5780	.82	1.00	1.00
67°F (19.4°C)	755	1600	17.4	59,400	4080	.54	.68	.82	16.8	57,300	4530	.55	.69	.83	16.1	55,000	5090	.56	.70	.84	15.4	52,600	5780	.56	.72	.86
	895	1900	18.1	61,800	4110	.57	.71	.86	17.5	59,600	4560	.57	.72	.88	16.7	57,100	5110	.58	.74	.90	16.0	54,500	5800	.59	.76	.92
	1040	2200	18.7	63,700	4130	.59	.75	.91	18.0	61,400	4580	.59	.76	.93	17.2	58,800	5130	.60	.78	.95	16.4	55,900	5820	.61	.80	.98
71°F (21.7°C)	755	1600	18.3	62,400	4120	.41	.54	.68	17.7	60,300	4570	.41	.55	.69	17.0	57,900	5130	.41	.55	.70	16.3	55,600	5820	.41	.56	.71
	895	1900	19.0	65,000	4140	.42	.56	.71	18.4	62,900	4600	.42	.57	.72	17.6	60,200	5150	.42	.58	.73	16.9	57,700	5840	.42	.59	.75
	1040	2200	19.7	67,100	4170	.42	.58	.75	18.9	64,600	4620	.43	.59	.76	18.1	61,800	5170	.43	.60	.77	17.3	59,100	5860	.43	.61	.79

NOTE — All values are gross capacities and do not include indoor coil blower motor heat deduction.

HP25-651-653 — HEATING CAPACITY — C26-65(FC) — C26-65(FC)EAP — CH23-68

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
755	1600	20.2	68,800	5910	16.3	55,600	5310	12.4	42,200	4705	8.8	30,000	3940	4.7	16,000	3010
850	1800	19.8	67,400	5710	15.9	54,300	5110	12.0	40,800	4505	8.4	28,600	3735	4.3	14,600	2810
945	2000	20.4	69,600	5570	16.5	56,400	4970	12.6	43,000	4365	9.0	30,800	3595	4.9	16,800	2670

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-651-653 — HEATING CAPACITY — CR26-65(N)(W)

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
L/s	cfm	kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh		kW	Btuh	
755	1600	19.0	65,000	5785	15.8	54,000	5205	12.6	42,900	3435	8.9	30,300	2070	4.5	15,200	1630
895	1900	19.2	65,600	5480	16.0	54,600	4905	12.7	43,500	3130	9.1	30,900	1770	4.6	15,800	1330
***	2200	19.5	66,400	5280	16.2	55,400	4705	13.0	44,300	2930	9.3	31,700	1570	4.9	16,600	1130

NOTE — Heating capacities include the effect of defrost cycles in the temperature range where they occur.

HP25-651-653 — HEATING PERFORMANCE
C26-65(FC)(EAP) — CH23-68 at 1800 cfm (850 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5710	67,400	19.8
60	16	5560	64,200	18.8
55	13	5415	61,100	17.9
50	10	5265	57,900	17.0
47	8	5180	56,000	16.4
45	7	5110	54,300	15.9
40	4	4935	49,900	14.6
35	2	4765	45,600	13.4
30	-1	4635	43,200	12.7
25	-4	4505	40,800	12.0
20	-7	4375	38,400	11.3
17	-8	4295	37,000	10.8
15	-9	4200	35,600	10.4
10	-12	3970	32,100	9.4
5	-15	3735	28,600	8.4
0	-18	3505	25,100	7.4
-5	-21	3275	21,600	6.3
-10	-23	3040	18,100	5.3
-15	-26	2810	14,600	4.3
-20	-29	2575	11,100	3.3

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).

HP25-651-653 HEATING PERFORMANCE
CR26-65(N)(W) at 1900 cfm (895 L/s)

*Outdoor Temperature		Compressor Motor Watts Input	Total Output	
°F	°C		Btuh	kW
65	18	5480	65,600	19.2
60	16	5345	62,900	18.4
55	13	5205	60,300	17.7
50	10	5065	57,600	16.9
47	8	4985	56,000	16.4
45	7	4905	54,600	16.0
40	4	4705	51,300	15.0
35	2	4505	47,900	14.0
30	-1	3815	45,700	13.4
25	-4	3130	43,500	12.7
20	-7	2445	41,300	12.1
17	-8	2030	40,000	11.7
15	-9	1990	38,500	11.3
10	-12	1880	34,700	10.2
5	-15	1770	30,900	9.1
0	-18	1660	27,100	7.9
-5	-21	1550	23,400	6.9
-10	-23	1440	19,600	5.7
-15	-26	1330	15,800	4.6
-20	-29	1220	12,000	3.5

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F(21°C).