

LENNOX

ENGINEERING DATA



CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI



HEAT PUMP OUTDOOR UNITS

HP32

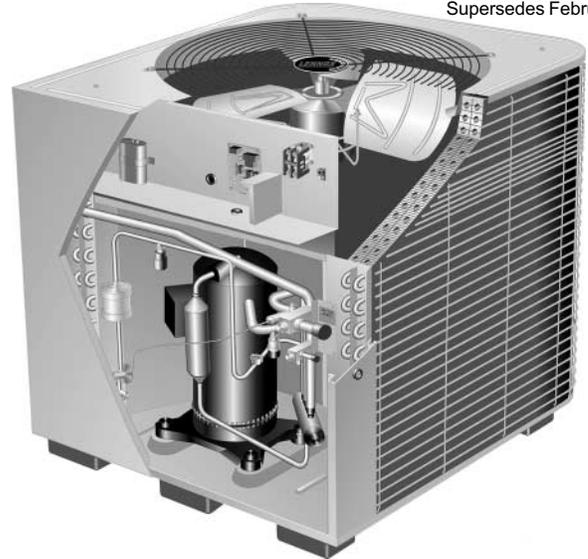
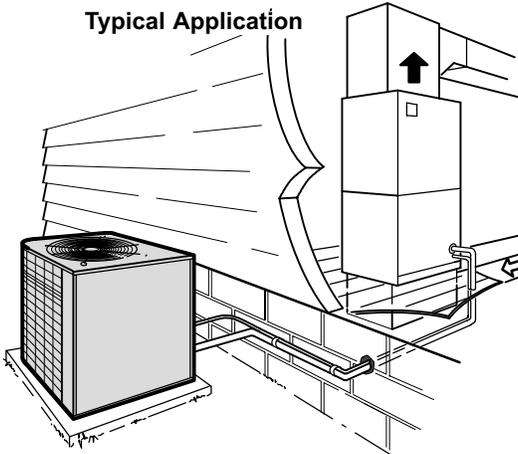
ELITE 13™ SERIES SEER up to 14.75

Cooling Capacity - 23,800 to 56,000 Btuh (7.0 to 16.4 kW)
Heating Capacity - 25,000 to 57,500 Btuh (7.3 to 16.9 kW)

Bulletin No. 210276
July 2000

Supersedes February 2000

Typical Application



MODEL NUMBER IDENTIFICATION

HP 32 - 24 - 230

Unit Type
HP - Heat Pump

Series

Nominal Cooling Capacity
 24 - 2 tons (7.0 kW)
 30 - 2.5 tons (8.8 kW)
 36 - 3 tons (10.6 kW)
 42 - 3.5 tons (12.3 kW)
 48 - 4 tons (14.1 kW)
 60 - 5 tons (17.6 kW)

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

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

FEATURES

Application

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

Approvals

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

Equipment Warranty

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

Refrigerant

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

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

FEATURES

HushTone™ Compressor Compartment

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

Cabinet

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

Copeland® Compliant Scroll™ Compressor

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



Outdoor Fan

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

Copper Tube/Enhanced Fin Coil

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

Defrost/Timed-Off Control

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

High Pressure Switch

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

Features Continued on Next Page

FEATURES - CONTINUED

Refrigerant Line Connections, Electrical Inlets and Service Valves

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

Expansion Valve - Outdoor Unit

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

Expansion Valve Kits - for Indoor Unit

- **Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit.**
- Chatleff style fitting.
- Furnished as standard for field installation.

Reversing Valve

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

Service Light Thermostat

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

Ambient Compensating Thermistor

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

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Thermostat

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

Refrigerant Line Kits

- Refrigerant lines (vapor & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at factory.
- Vapor line fully insulated.
- L15 lines are stubbed at both ends.
- See Refrigerant Line Kit table for selection.
- Kit is not available for HP32-60 model and must be field fabricated.
- Refrigerant line length should not exceed 50 ft. (15 m) in any installation. If longer length lines are required, contact your Lennox Field Technical Consultant.

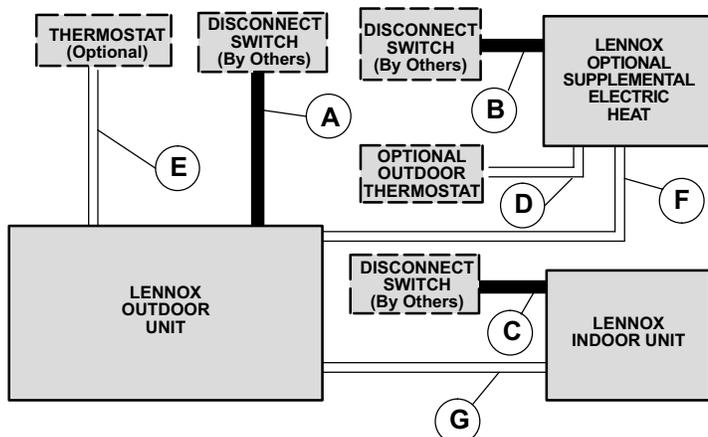
Outdoor Thermostat Kit

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

Mounting Base

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

FIELD WIRING



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

— Field Wiring Not Furnished —

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

SPECIFICATIONS

Model No.		HP32-24	HP32-30	HP32-36	HP32-42	HP32-48	HP32-60	
Nominal Tonnage		2	2.5	3	3.5	4	5	
Liquid line conn. o.d. — in. (mm) sweat		3/8 (9.5)						
Vapor line conn. o.d. — in. (mm) sweat		3/4 (19)			7/8 (22.2)		1-1/8 (28.6)	
*Refrigerant furnished (R-410A)		7 lbs. 2 oz. (3.23 kg)	10 lbs. 7 oz. (4.73 kg)	9 lbs. 13 oz. (4.45 kg)	9 lbs. 11 oz. (4.39 kg)	12 lbs. 10 oz. (5.75 kg)	14 lbs. 14 oz. (6.75 kg)	
Outdoor Coil	Net face area sq. ft. (m ²)	Outer Coil	11.91 (1.11)	16.04 (1.49)	18.33 (1.70)	24.06 (2.24)		
		Inner Coil	8.27 (0.77)	15.56 (1.45)	17.78 (1.65)	23.33 (2.17)		
	Tube diameter — in. (mm)	5/16 (8)						
	No. of rows	2						
Fins per inch (m)		22 (866)						
Outdoor Coil Fan	Diameter in. (mm) — No. of blades		20 (508) - 4	24 (610) - 3		24 (610) - 4		
	Motor hp (W)		1/10 (75)	1/6 (124)		1/4 (187)		
	Cfm (L/s)		1860 (880)	3000 (1415)		3100 (1465)	4200 (1980)	
	Rpm		825					
	Watts		165	230		345		
Shipping wt. — lbs. (kg) 1 package		193 (88)	198 (90)	243 (110)	252 (114)	265 (120)	362 (164)	
OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA								
Mounting Base	Catalog number - Ship. weight		MB2-S (69J06) 6 lbs. (3 kg)		MB2-L (69J07) - 15 lbs. (7 kg)			
	Dimensions - in. (mm)		22-1/4 x 22-1/4 x 3 (565 x 565 x 76)		32 x 34 x 3 (813 x 864 x 76)			
Outdoor Thermostat Kit		Thermostat Kit		LB-29740BA (56A87)				
		Mounting Box		M-1595 (31461) or BM-10260 (33A09) (Canada Only)				

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

ELECTRICAL DATA

Model No.		HP32-24	HP32-30	HP32-36	HP32-42	HP32-48	HP32-60
Line voltage data - 60 hertz - 1 phase		208/230v					
Rec. max. fuse or circuit breaker size (amps)		30	30	35	40	45	60
*Minimum circuit ampacity		17.7	19.6	20.4	25.2	27.5	36.2
Compressor	Rated load amps	13.5	14.8	15.4	19.3	20.6	27.6
	Power factor	.98		.97	.95	.94	.99
	Locked rotor amps	61.0	72.5	83.0	104.0	109.0	158.0
Outdoor Coil Fan Motor	Full load amps	0.8	1.1		1.7	1.7	
	Locked rotor amps	1.6	2.0		3.8	3.8	

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

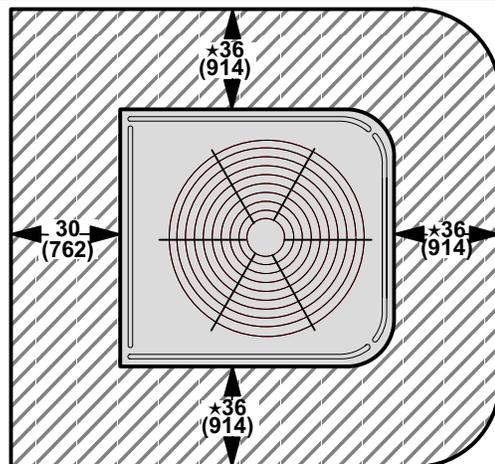
NOTE — Extremes of operating range are plus 10% and minus 5% of line voltage.

REFRIGERANT LINE KITS

Outdoor Unit Model No.	Line Set Model No.	Line Length		Liquid Line (o.d.)		Vapor Line (o.d.)	
		ft.	m	in.	mm	in.	mm
HP32-24 HP32-30 HP32-36	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				
HP32-42 HP32-48	L15-65-30	30	9	3/8	9.5	7/8	22.2
	L15-65-40	40	12				
	L15-65-50	50	15				
HP32-60	Field Fabricate			3/8	9.5	1-1/8	22.2

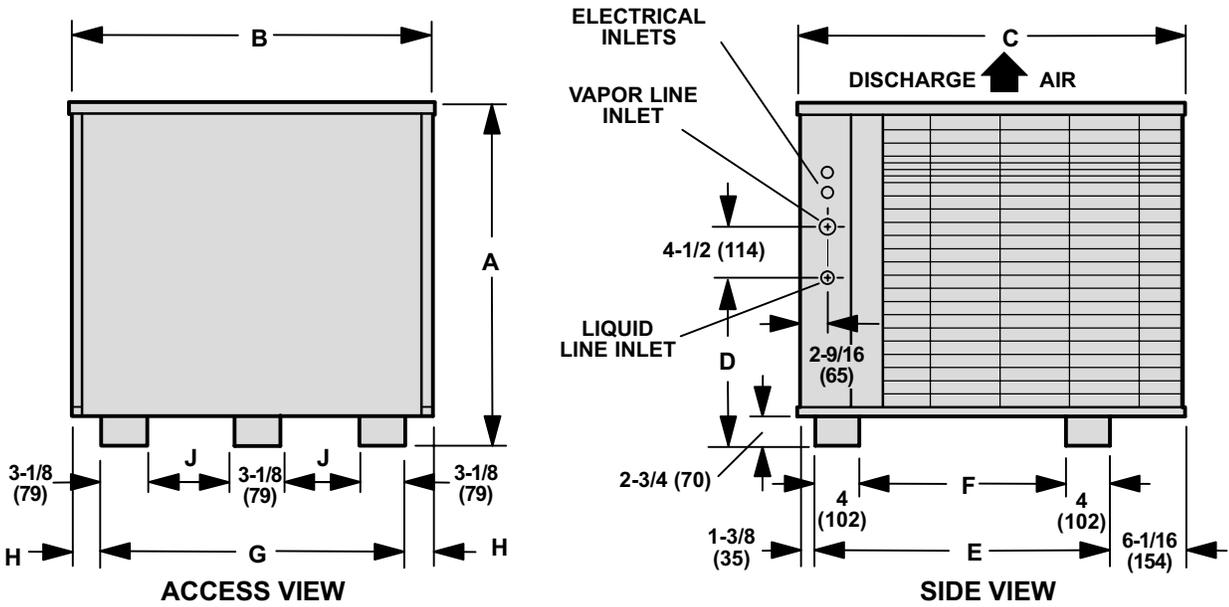
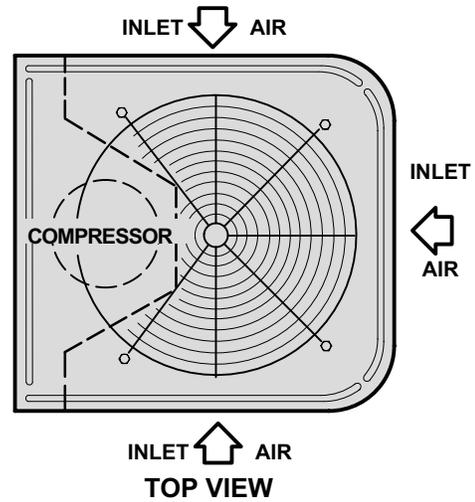
NOTE — Refrigerant line set should not exceed 50 ft. (15 m) in any installation.

INSTALLATION CLEARANCES - IN. (MM)



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

DIMENSIONS - INCHES (MM)



Model No.		A	B	C	D	E	F	G	H	J
HP32-24	in.	27-7/8	25-7/8	29-7/8	12-1/4	22-7/16	14-7/16	22-1/4	1-13/16	6-7/16
	mm	708	657	759	311	570	367	565	46	164
HP32-30 HP32-36	in.	30-7/8	32-1/8	34-1/16	12-3/4	26-5/8	18-5/8	27-5/8	2-1/4	9-1/8
	mm	784	816	865	324	676	473	702	57	232
HP32-42	in.	34-7/8	32-1/8	34-1/16	13-3/4	26-5/8	18-5/8	27-5/8	2-1/4	9-1/8
	mm	886	816	865	349	676	473	702	57	232
HP32-48 HP32-60	in.	44-7/8	32-1/8	34-1/16	14-1/4	26-5/8	18-5/8	27-5/8	2-1/4	9-1/8
	mm	1140	816	865	362	676	473	702	57	232

ARI RATINGS

Unit Size Model No. ② Sound Rating Number	① 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.		
2 Ton HP32-24 (69 db)	23,800 (7.0)	25,800 (7.6)	16,200 (4.8)	2485	11.35 (9.60)	2.82	2415	7.25 (6.55)	3.14	2081	2.28	Blower Coil Unit CB29M-21/26 (Multi Position)	Check/Ex- pansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/ex- pansion valves on in- door units MUST be replaced with valve shipped with outdoor unit.
	24,800 (7.3)	25,200 (7.4)	16,000 (4.7)	2529	11.70 (9.80)	2.86	2414	7.00 (6.25)	3.06	2188	2.14	Blower Coil Unit CB29M-31 (Multi Position)	
	25,000 (7.3)	25,600 (7.5)	16,000 (4.7)	2539	11.70 (9.85)	2.88	2444	7.10 (6.35)	3.06	2109	2.22	Blower Coil Unit CB29M-41 (Multi Position)	
	25,600 (7.5)	25,200 (7.4)	16,200 (4.8)	2495	12.20 (10.25)	3.00	2278	7.35 (6.60)	3.24	2035	2.34	Blower Coil Unit CB30U-21/26 (Up-Flow) ③CB30M-21/26 (Multi Position)	
	26,400 (7.7)	25,000 (7.3)	15,600 (4.6)	2483	12.75 (10.65)	3.12	2171	7.70 (6.80)	3.38	1901	2.40	Blower Coil Unit CB30U-31 (Up-Flow) CB30M-31 (Multi Position)	
	24,400 (7.2)	25,400 (7.4)	16,000 (4.7)	2530	11.50 (9.65)	2.82	2319	7.40 (6.60)	3.22	2027	2.32	④Blower Coil Unit CVP10-26/EC10Q3 (Up-Flow)	
	24,000 (7.0)	26,000 (7.6)	16,400 (4.8)	2516	11.25 (9.55)	2.80	2442	7.25 (6.50)	3.12	2088	2.30	Indoor Coil (†FM21) C26-21 (Up-Flow)	
	24,600 (7.2)	25,800 (7.6)	16,200 (4.8)	2512	11.60 (9.80)	2.86	2379	7.35 (6.55)	3.18	2056	2.30	Indoor Coil (†FM21) C26-26 (Up-Flow) C33-30A/B (Up-Flow)	
	26,000 (7.6)	25,200 (7.4)	15,800 (4.6)	2565	12.10 (10.15)	2.98	2291	7.40 (6.60)	3.22	2016	2.30	Indoor Coil (†FM21) C26-31 (Up-Flow)	
	22,800 (6.7)	25,800 (7.6)	16,400 (4.8)	2482	11.05 (9.20)	2.70	2508	7.05 (6.35)	3.02	2168	2.22	Indoor Coil (†FM21) CR26-21 (Down-Flow)	
	25,000 (7.3)	26,200 (7.7)	16,400 (4.8)	2519	11.75 (9.90)	2.90	2396	7.40 (6.60)	3.20	2078	2.32	Indoor Coil (†FM21) CR26-31 (Down-Flow)	
	24,200 (7.1)	25,400 (7.4)	16,000 (4.7)	2536	11.40 (9.55)	2.80	2504	6.90 (6.20)	2.98	2167	2.16	Indoor Coil (†FM21) CH23-21 (Horizontal) CH33-30A-F (Horizontal)	
	24,600 (7.2)	25,000 (7.3)	16,000 (4.7)	2512	11.65 (9.80)	2.86	2422	7.05 (6.30)	3.02	2120	2.22	Indoor Coil (†FM21) CH23-31 (Horizontal) CH33-36A/B/C-F (Horizontal)	
	25,800 (7.6)	25,400 (7.4)	16,000 (4.7)	2550	12.05 (10.10)	2.96	2346	7.25 (6.50)	3.18	2063	2.28	Indoor Coil (†FM21) CH23-41 (Horizontal)	
2.5 Ton HP32-30 (72 db)	27,800 (8.2)	30,200 (8.9)	20,000 (5.9)	2635	12.50 (10.55)	3.09	2830	7.60 (6.85)	3.12	2525	2.32	Blower Coil Unit CB29M-41 (Multi-Position)	Check/Ex- pansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/ex- pansion valves on in- door units MUST be replaced with valve shipped with outdoor unit.
	28,800 (8.4)	29,600 (8.7)	19,400 (5.7)	2595	13.15 (11.10)	3.25	2765	7.65 (6.90)	3.13	2460	2.31	Blower Coil Unit CB30U-21/26 (Up-Flow) CB30M-21/26 (Multi-Position)	
	30,000 (8.8)	29,400 (8.6)	19,200 (5.6)	2560	13.75 (11.70)	3.43	2570	7.85 (7.05)	3.35	2300	2.44	Blower Coil Unit CB30U-31 (Up-Flow) ③CB30M-31 (Multi-Position)	
	30,000 (8.8)	29,800 (8.7)	19,400 (5.7)	2590	13.80 (11.60)	3.40	2560	8.10 (7.25)	3.41	2300	2.47	Blower Coil Unit CB30U-41/46 (Up-Flow) CB30M-41 (Multi-Position)	
	30,000 (8.8)	29,800 (8.7)	19,400 (5.7)	2600	13.80 (11.55)	3.38	2565	8.10 (7.25)	3.40	2310	2.46	Blower Coil Unit CB30M-46 (Multi-Position)	
	30,400 (8.9)	29,400 (8.6)	19,200 (5.6)	2460	14.75 (12.35)	3.62	2475	8.30 (7.35)	3.48	2215	2.54	Blower Coil Unit CB31MV-41 (Multi-Position)	
	28,800 (8.4)	30,200 (8.9)	20,000 (5.9)	2655	12.80 (10.85)	3.18	2760	7.80 (7.00)	3.20	2460	2.38	④Blower Coil Unit CVP10-31/EC10Q3 (Up-Flow)	
	29,200 (8.6)	29,800 (8.7)	19,600 (5.7)	2655	13.00 (11.00)	3.22	2665	7.90 (7.10)	3.27	2395	2.40	④Blower Coil Unit CVP10-41/EC10Q4 (Up-Flow)	
	29,600 (8.7)	30,200 (8.9)	19,800 (5.8)	2665	13.15 (11.10)	3.25	2755	7.85 (7.05)	3.21	2460	2.36	Indoor Coil (†FM21) C26-31 (Up-Flow)	
	29,800 (8.7)	30,000 (8.8)	19,600 (5.7)	2670	13.25 (11.15)	3.27	2675	7.90 (7.05)	3.28	2405	2.39	Indoor Coil (†FM21) C33-38A/B (Up-Flow) C26-41 (Up-Flow)	
	29,800 (8.7)	29,200 (8.6)	19,200 (5.6)	2665	13.20 (11.20)	3.28	2620	7.85 (7.00)	3.26	2375	2.37	Indoor Coil (†FM21) C26-46 (Up-Flow) C33-48B/C (Up-Flow)	
	29,400 (8.6)	30,800 (9.0)	20,200 (5.9)	2660	13.15 (11.05)	3.24	2765	7.85 (7.05)	3.26	2490	2.38	Indoor Coil (†FM21) CR26-41 (Down-Flow)	
	29,000 (8.5)	30,200 (8.9)	20,000 (5.9)	2655	12.85 (10.90)	3.19	2865	7.50 (6.75)	3.09	2565	2.28	Indoor Coil (†FM21) CH33-36A-F (Horizontal) CH23-41 (Horizontal)	
	29,600 (8.7)	30,200 (8.9)	19,800 (5.8)	2660	13.15 (11.15)	3.27	2755	7.75 (6.95)	3.21	2475	2.34	Indoor Coil (†FM21) CH33-42B-F (Horizontal) CH23-51 (Horizontal)	
30,200 (8.9)	30,200 (8.9)	19,800 (5.8)	2675	13.35 (11.30)	3.31	2675	7.95 (7.10)	3.31	2425	2.39	Indoor Coil (†FM21) CH23-65 (Horizontal)		

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

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

① Rated and certified 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.

② Sound Rating Number in accordance with test conditions included in ARI Standard 270.

③ Most popular blower coil combination.

④ Canada Only.

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

ARI RATINGS

Unit Size Model No. ② Sound Rating Number	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 HP32-36 (72 db)	32,800 (9.6)	36,600 (10.7)	24,400 (7.2)	3165	12.15 (10.35)	3.03	3285	7.55 (6.90)	3.26	3010	2.37	Blower Coil Unit CB29M-41 (Multi-Position)	Check/Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit.
	34,400 (10.1)	35,400 (10.4)	23,600 (6.9)	3135	13.00 (10.95)	3.21	2960	8.05 (7.30)	3.50	2725	2.54	Blower Coil Unit CB29M-46 (Multi-Position)	
	34,800 (10.20)	34,800 (10.2)	22,800 (6.7)	2950	14.10 (11.80)	3.46	2730	8.50 (7.55)	3.73	2515	2.65	Blower Coil Unit CB31MV-41 (Multi-Position)	
	35,000 (10.3)	35,400 (10.4)	23,400 (6.9)	3075	13.45 (11.40)	3.34	2870	8.25 (7.40)	3.61	2645	2.59	Blower Coil Unit CB30U-31 (Up-Flow) CB30M-31 (Multi-Position)	
	35,000 (10.3)	35,800 (10.5)	24,000 (7.0)	3280	12.55 (10.65)	3.12	3105	7.80 (7.10)	3.38	2870	2.45	Blower Coil Unit CB29M-51 (Multi-Position)	
	35,400 (10.4)	35,400 (10.4)	23,400 (6.9)	3060	13.70 (11.55)	3.38	2810	8.45 (7.55)	3.69	2580	2.66	Blower Coil Unit CB30M-46 (Multi-Position)	
	35,600 (10.4)	35,600 (10.4)	23,600 (6.9)	3095	13.55 (11.50)	3.37	2850	8.35 (7.45)	3.66	2625	2.63	Blower Coil Unit CB30U-41/46 (Up-Flow) ③ CB30M-41 (Multi-Position)	
	34,000 (10.0)	36,200 (10.6)	24,200 (7.1)	3225	12.35 (10.55)	3.09	3140	7.85 (7.10)	3.38	2875	2.46	④ Blower Coil Unit CVP10-31/EC10Q3 (Up-Flow)	
	34,000 (10.0)	35,200 (10.3)	23,600 (6.9)	3205	12.45 (10.60)	3.10	2980	8.00 (7.20)	3.46	2750	2.51	④ Blower Coil Unit CVP10-41/EC10Q3 (Up-Flow)	
	34,000 (10.0)	35,200 (10.3)	23,400 (6.9)	3120	12.85 (10.90)	3.19	3115	7.70 (6.95)	3.31	2815	2.43	Indoor Coil (†FM21) C26-31 (Up-Flow) C33-38A/B (Up-Flow)	
	34,800 (10.2)	35,400 (10.4)	23,600 (6.9)	3170	13.00 (11.00)	3.22	2950	8.10 (7.25)	3.51	2715	2.55	Indoor Coil (†FM21) C26-41 (Up-Flow)	
	34,800 (10.2)	34,600 (10.1)	23,000 (6.7)	3170	13.00 (11.00)	3.22	2890	8.05 (7.20)	3.51	2680	2.51	Indoor Coil (†FM21) C26-46 (Up-Flow)	
	34,600 (10.1)	37,000 (10.8)	24,800 (7.3)	3145	13.00 (11.00)	3.22	3060	8.15 (7.40)	3.54	2820	2.58	Indoor Coil (†FM21) CR26-41 (Down-Flow)	
	34,800 (10.2)	36,000 (10.6)	24,000 (7.0)	3175	12.85 (10.95)	3.21	3020	8.00 (7.25)	3.49	2785	2.52	Indoor Coil (†FM21) CR26-51 (Down-Flow)	
	33,800 (9.9)	35,600 (10.4)	23,800 (7.0)	3160	12.60 (10.70)	3.13	3160	7.65 (6.95)	3.30	2910	2.39	Indoor Coil (†FM21) CH33-36A-F (Horizontal) CH23-41 (Horizontal)	
	34,800 (10.2)	35,800 (10.5)	24,000 (7.0)	3180	13.00 (10.95)	3.21	3075	7.85 (7.10)	3.41	2840	2.47	Indoor Coil (†FM21) CH33-42B-F (Horizontal) CH23-51 (Horizontal)	
35,200 (10.3)	35,400 (10.4)	23,800 (7.0)	3180	13.05 (11.05)	3.24	2930	8.15 (7.35)	3.54	2725	2.56	Indoor Coil (†FM21) CH23-65 (Horizontal)		

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

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

① Rated and certified 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.

② Sound Rating Number in accordance with test conditions included in ARI Standard 270.

③ Most popular blower coil combination.

④ Canada Only.

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

ARI RATINGS

Unit Size Model No. ② Sound Rating Number	① 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.		
3.5 Ton HP32-42 (71 db)	40,000 (11.7)	41,000 (12.0)	26,600 (7.8)	3755	12.20 (10.65)	3.12	3690	7.05 (6.45)	3.25	3360	2.32	Blower Coil Unit CB29M-46 (Multi-Position)	Check/Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit.
	40,500 (11.9)	40,500 (11.9)	26,600 (7.8)	3815	12.20 (10.60)	3.10	3760	6.85 (6.30)	3.15	3455	2.25	Blower Coil Unit CB29M-51 (Multi-Position)	
	41,000 (12.0)	40,500 (11.9)	26,400 (7.7)	3670	12.75 (11.15)	3.27	3530	7.25 (6.60)	3.36	3215	2.40	Blower Coil Unit CB30U-41/46 (Up-Flow) CB30M-41 (Multi-Position)	
	41,000 (12.0)	40,500 (11.9)	26,200 (7.7)	3670	12.80 (11.15)	3.27	3530	7.25 (6.60)	3.36	3215	2.39	③ Blower Coil Unit CB30M-46 (Multi-Position)	
	41,000 (12.0)	40,500 (11.9)	26,600 (7.8)	3775	12.45 (10.85)	3.18	3725	6.90 (6.35)	3.18	3415	2.28	Blower Coil Unit CB29M-65 (Multi-Position)	
	41,000 (12.0)	40,500 (11.9)	26,200 (7.7)	3620	13.00 (11.35)	3.32	3480	7.35 (6.65)	3.41	3165	2.42	Blower Coil Unit CB31MV-41 (Multi-Position)	
	42,500 (12.5)	40,000 (11.7)	26,000 (7.6)	3680	13.20 (11.55)	3.38	3370	7.45 (6.75)	3.48	3095	2.46	Blower Coil Unit CB30U-51 (Up-Flow) CB30M-51 (Multi-Position)	
	43,500 (12.8)	39,500 (11.6)	25,600 (7.5)	3570	14.00 (12.20)	3.57	3240	7.65 (6.90)	3.57	2965	2.53	Blower Coil Unit CB31MV-51 (Multi-Position)	
	39,000 (11.4)	40,500 (11.9)	26,600 (7.8)	3735	12.00 (10.45)	3.06	3735	6.95 (6.40)	3.18	3385	2.30	④ Blower Coil Unit CVP10-41/EC10Q3 (Up-Flow)	
	40,000 (11.7)	41,000 (12.0)	27,200 (8.0)	3885	11.75 (10.30)	3.02	3710	7.05 (6.45)	3.24	3430	2.32	④ Blower Coil Unit CVP10-46/EC10Q4 (Up-Flow)	
	39,500 (11.6)	40,500 (11.9)	26,400 (7.7)	3665	12.35 (10.80)	3.16	3740	6.95 (6.35)	3.17	3355	2.30	Indoor Coil (†FM21) C33-38A/B (Up-Flow) C26-41 (Up-Flow)	
	41,000 (12.0)	40,500 (11.9)	26,200 (7.7)	3775	12.45 (10.85)	3.18	3635	7.00 (6.40)	3.26	3340	2.30	Indoor Coil (†FM21) C26-46 (Up-Flow) C33-50C (Up-Flow)	
	42,500 (12.5)	39,000 (11.4)	25,000 (7.3)	3780	12.75 (11.25)	3.29	3505	6.95 (6.30)	3.26	3240	2.26	Indoor Coil (†FM21) C26-51 (Up-Flow)	
	38,500 (11.3)	41,500 (12.2)	27,400 (8.0)	3635	12.25 (10.60)	3.10	3860	6.95 (6.40)	3.15	3465	2.32	Indoor Coil (†FM21) CR26-41 (Down-Flow)	
	40,500 (11.9)	41,000 (12.0)	27,000 (7.9)	3735	12.30 (10.85)	3.18	3750	6.95 (6.40)	3.20	3420	2.31	Indoor Coil (†FM21) CR26-51 (Down-Flow)	
	42,000 (12.3)	40,500 (11.9)	26,600 (7.8)	3775	12.75 (11.15)	3.27	3550	7.25 (6.60)	3.34	3270	2.38	Indoor Coil (†FM21) CR26-65 (Down-Flow)	
39,000 (11.4)	41,000 (12.02)	27,200 (8.0)	3710	12.05 (10.50)	3.07	3865	6.80 (6.25)	3.11	3545	2.25	Indoor Coil (†FM21) CH23-41 (Horizontal) CH33-42B-F (Horizontal)		
40,500 (11.9)	41,500 (12.2)	27,400 (8.0)	3740	12.40 (10.85)	3.18	3775	7.00 (6.40)	3.22	3480	2.31	Indoor Coil (†FM21) CH23-51 (Horizontal) CH33-48C-F (Horizontal)		
41,500 (12.2)	41,500 (12.2)	27,200 (8.0)	3755	12.60 (11.05)	3.24	3635	7.40 (6.60)	3.34	3350	2.38	Indoor Coil (†FM21) CH23-65 (Horizontal)		

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

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

① Rated and certified 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.

② Sound Rating Number in accordance with test conditions included in ARI Standard 270.

③ Most popular blower coil combination.

④ Canada Only.

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

ARI RATINGS

Unit Size Model No. ② Sound Rating Number	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 HP32-48 (74 db)	45,000 (13.2)	45,500 (13.3)	29,000 (8.5)	3970	12.80 (11.35)	3.32	4345	7.05 (6.30)	3.07	3875	2.19	Blower Coil Unit CB30U-41/46 (Up-Flow) CB30M-46 (Multi-Position)	Check/Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit.
	45,000 (13.2)	46,000 (13.5)	30,000 (8.8)	4190	12.15 (10.75)	3.15	4650	6.75 (6.10)	2.90	4210	2.09	Blower Coil Unit CB29M-51 (Multi-Position)	
	45,000 (13.2)	46,000 (13.5)	30,000 (8.8)	4180	12.20 (10.75)	3.15	4640	6.75 (6.10)	2.90	4200	2.09	Blower Coil Unit CB29M-65 (Multi-Position)	
	46,500 (13.6)	44,000 (12.9)	28,400 (8.3)	4030	13.05 (11.55)	3.38	4140	7.15 (6.45)	3.11	3730	2.23	Blower Coil Unit CB30U-51 (Up-Flow) ③ CB30M-51 (Multi-Position)	
	48,000 (14.1)	45,000 (13.2)	29,000 (8.5)	3965	13.80 (12.10)	3.54	4065	7.40 (6.50)	3.24	3665	2.32	Blower Coil Unit CB31MV-51 (Multi-Position)	
	48,000 (14.1)	45,000 (13.2)	29,200 (8.6)	4080	13.35 (11.75)	3.44	4245	7.20 (6.40)	3.10	3840	2.23	Blower Coil Unit CB30U-65 (Up-Flow) CB30M-65 (Multi-Position)	
	49,000 (14.4)	45,500 (13.3)	29,400 (8.6)	4080	13.70 (12.00)	3.51	4140	7.35 (6.55)	3.22	3780	2.28	Blower Coil Unit CB31MV-65 (Multi-Position)	
	43,000 (12.6)	46,000 (13.5)	30,400 (8.9)	4200	11.60 (10.25)	3.00	4625	6.85 (6.25)	2.91	4145	2.15	④ Blower Coil Unit CVP10-46/EC10Q4 (Up-Flow)	
	44,000 (12.9)	45,000 (13.2)	29,000 (8.5)	4225	11.70 (10.40)	3.05	4455	6.85 (6.15)	2.96	4000	2.12	④ Blower Coil Unit CVP10-51/EC10Q4 (Up-Flow)	
	46,000 (13.5)	45,000 (13.2)	28,800 (8.4)	4155	12.50 (11.05)	3.24	4325	6.95 (6.25)	3.05	3920	2.15	Indoor Coil (†FM21) C26-51 (Up-Flow) C33-60D (Up-Flow)	
	47,500 (13.9)	45,000 (13.2)	28,800 (8.4)	4165	12.90 (11.40)	3.34	4275	7.05 (6.35)	3.10	3870	2.18	Indoor Coil (†FM21) C26-65EAP (Up-Flow)	
	44,500 (13.0)	45,000 (13.2)	29,400 (8.6)	4135	12.15 (10.75)	3.15	4580	6.75 (6.05)	2.88	4100	2.10	Indoor Coil (†FM21) CR26-51 (Down-Flow)	
	46,500 (13.6)	45,500 (13.33)	29,400 (8.6)	4155	12.60 (11.20)	3.28	4360	7.05 (6.30)	3.06	3930	2.19	Indoor Coil (†FM21) CR26-65 (Down-Flow)	
	45,000 (13.2)	46,500 (13.6)	30,200 (8.9)	4140	12.25 (10.85)	3.18	4495	7.00 (6.30)	3.03	4070	2.17	Indoor Coil (†FM21) CH33-44B-F (Horizontal) CH33-50C-F (Horizontal) CH23-65 (Horizontal)	
47,500 (13.9)	45,500 (13.3)	27,600 (8.1)	4140	13.00 (11.50)	3.37	4230	7.00 (6.09)	3.16	3810	2.12	Indoor Coil (†FM21) CH23-68 (Horizontal)		
5 Ton HP32-60 (74 db)	54,000 (15.8)	55,500 (16.3)	35,200 (10.3)	5300	12.20 (10.20)	2.99	5295	7.20 (6.45)	3.07	4545	2.27	Blower Coil Unit CB31MV-51 (Multi-Position)	Check/Expansion valve shipped with outdoor unit MUST be field installed on indoor unit. Factory installed check/expansion valves on indoor units MUST be replaced with valve shipped with outdoor unit.
	54,500 (16.0)	56,500 (16.6)	36,200 (10.6)	5235	12.50 (10.40)	3.05	5370	7.10 (6.35)	3.08	4690	2.26	Blower Coil Unit CB31MV-65 (Multi-Position)	
	54,500 (16.0)	57,500 (16.9)	36,000 (10.8)	5405	12.00 (10.10)	2.96	5380	7.15 (6.70)	3.13	4615	2.28	Blower Coil Unit CB30U-51 (Up-Flow) CB30M-51 (Multi-Position)	
	56,000 (16.4)	57,500 (16.9)	36,800 (10.8)	5590	12.00 (10.0)	2.93	5460	7.25 (6.45)	3.08	4800	2.25	Blower Coil Unit CB30U-65 (Up-Flow) ③ CB30M-65 (Multi-Position)	
	51,000 (15.0)	56,500 (16.6)	36,600 (10.7)	5575	11.00 (9.15)	2.68	5545	7.10 (6.40)	2.98	4825	2.22	④ Blower Coil Unit CVP10-51/EC10Q4 (Up-Flow)	
	55,000 (16.1)	57,000 (16.7)	36,000 (10.5)	5735	11.40 (9.60)	2.81	5545	7.05 (6.25)	3.01	4870	2.16	④ Blower Coil Unit CVP10-65/EC10Q4 (Up-Flow)	
	56,000 (16.4)	57,000 (16.7)	36,600 (10.7)	5605	12.00 (10.00)	2.93	5395	7.30 (6.50)	3.09	4735	2.26	Indoor Coil (†FM21) C33-62D (Up-Flow) C26-65EAP (Up-Flow)	
	52,000 (15.2)	57,000 (16.7)	36,600 (10.7)	5455	11.40 (9.55)	2.80	5595	7.10 (6.35)	2.98	4875	2.20	Indoor Coil (†FM21) CR26-65 (Down-Flow)	
	54,500 (16.0)	57,000 (16.7)	37,000 (10.8)	5495	12.00 (9.90)	2.90	5355	7.25 (6.45)	3.12	4680	2.32	Indoor Coil (†FM21) CH33-62D-F (Horizontal) CH23-68 (Horizontal)	

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

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

① Rated and certified 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.

② Sound Rating Number in accordance with test conditions included in ARI Standard 270.

③ Most popular blower coil combination.

④ Canada Only.

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

RATINGS

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

HP32-24 — CB29M-21/26 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.4	6.9	1.80	.69	.82	.93	22.3	6.5	2.04	.70	.84	.96	21.0	6.2	2.30	.71	.86	.98	19.7	5.8	2.61	.73	.89	1.00
	800	380	24.5	7.2	1.81	.74	.90	1.00	23.3	6.8	2.05	.76	.92	1.00	22.1	6.5	2.31	.79	.94	1.00	20.7	6.1	2.62	.81	.97	1.00
	1000	470	25.4	7.4	1.82	.81	.96	1.00	24.2	7.1	2.05	.82	.98	1.00	22.9	6.7	2.32	.85	1.00	1.00	21.6	6.3	2.64	.88	1.00	1.00
67°F (19°C)	600	285	24.9	7.3	1.81	.55	.66	.78	23.7	6.9	2.05	.55	.68	.80	22.4	6.6	2.31	.56	.69	.83	20.9	6.1	2.63	.57	.71	.85
	800	380	26.0	7.6	1.82	.58	.72	.87	24.7	7.2	2.06	.59	.74	.89	23.2	6.8	2.33	.60	.77	.92	21.7	6.4	2.64	.62	.79	.95
	1000	470	26.6	7.8	1.83	.61	.78	.94	25.3	7.4	2.06	.63	.81	.96	23.8	7.0	2.33	.64	.83	.98	22.2	6.5	2.64	.66	.87	1.00
71°F (22°C)	600	285	26.6	7.8	1.83	.41	.53	.64	25.3	7.4	2.06	.42	.53	.65	23.9	7.0	2.33	.42	.54	.66	22.3	6.5	2.65	.42	.56	.69
	800	380	27.6	8.1	1.84	.42	.56	.70	26.2	7.7	2.07	.43	.58	.72	24.7	7.2	2.34	.43	.59	.74	23.1	6.8	2.65	.44	.61	.77
	1000	470	28.3	8.3	1.84	.44	.60	.76	26.8	7.9	2.08	.44	.61	.78	25.3	7.4	2.35	.45	.63	.81	23.6	6.9	2.66	.46	.65	.84

HP32-24 — CB29M-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.5	7.2	1.81	.70	.82	.94	23.3	6.8	2.05	.71	.85	.96	22.0	6.4	2.32	.73	.86	.98	20.5	6.0	2.63	.75	.90	1.00
	800	380	25.7	7.5	1.82	.76	.91	1.00	24.5	7.2	2.06	.77	.92	1.00	23.1	6.8	2.33	.80	.95	1.00	21.6	6.3	2.64	.82	.98	1.00
	1000	470	26.7	7.8	1.83	.81	.97	1.00	25.4	7.4	2.07	.84	.98	1.00	24.0	7.0	2.33	.86	1.00	1.00	22.6	6.6	2.65	.89	1.00	1.00
67°F (19°C)	600	285	26.2	7.7	1.83	.55	.67	.79	24.9	7.3	2.06	.56	.69	.81	23.4	6.9	2.33	.57	.70	.83	21.9	6.4	2.64	.58	.72	.86
	800	380	27.3	8.0	1.83	.59	.73	.87	25.9	7.6	2.07	.59	.75	.90	24.3	7.1	2.34	.61	.77	.92	22.7	6.7	2.65	.63	.80	.95
	1000	470	28.0	8.2	1.84	.62	.79	.94	26.5	7.8	2.08	.63	.82	.97	25.0	7.3	2.35	.65	.84	.98	23.2	6.8	2.66	.68	.88	1.00
71°F (22°C)	600	285	27.9	8.2	1.84	.42	.53	.65	26.5	7.8	2.07	.43	.54	.66	25.0	7.3	2.35	.43	.55	.68	23.3	6.8	2.67	.43	.57	.70
	800	380	29.0	8.5	1.85	.43	.57	.71	27.5	8.1	2.09	.44	.58	.73	25.9	7.6	2.36	.44	.60	.75	24.1	7.1	2.67	.45	.61	.78
	1000	470	29.7	8.7	1.86	.45	.61	.77	28.2	8.3	2.09	.45	.62	.79	26.5	7.8	2.36	.46	.64	.82	24.6	7.2	2.68	.47	.67	.85

HP32-024 - CB29M-21/26 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
600	285	30.4	8.9	2.34	24.7	7.2	2.18	19.0	5.6	2.02	13.0	3.8	1.79	6.6	1.9	1.37					
800	380	30.4	8.9	2.08	24.7	7.2	1.92	19.0	5.6	1.77	13.0	3.8	1.53	6.6	1.9	1.12					
1000	470	31.5	9.2	2.03	25.8	7.6	1.87	20.1	5.9	1.72	14.1	4.1	1.48	7.7	2.3	1.07					

HP32-24 - CB29M-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
600	285	29.6	8.7	2.02	24.0	7.0	2.18	18.5	5.4	2.32	12.7	3.7	2.36	6.4	1.9	1.74					
800	380	29.7	8.7	1.74	24.1	7.1	1.90	18.6	5.5	2.04	12.8	3.8	2.08	6.5	1.9	1.46					
1000	470	30.6	9.0	1.74	25.0	7.3	1.90	19.5	5.7	2.04	13.7	4.0	2.08	7.4	2.2	1.46					

HP32-024 - CB29M-21/26 - HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CB29M-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — CB29M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.6	7.2	1.82	.66	.80	.93	23.4	6.9	2.05	.68	.81	.95	22.1	6.5	2.32	.69	.84	.98	20.6	6.0	2.63	.71	.87	1.00
	800	380	25.9	7.6	1.83	.72	.89	1.00	24.6	7.2	2.06	.74	.91	1.00	23.2	6.8	2.33	.77	.94	1.00	21.7	6.4	2.65	.80	.97	1.00
	1000	470	26.8	7.9	1.83	.78	.96	1.00	25.6	7.5	2.07	.81	.99	1.00	24.2	7.1	2.34	.84	1.00	1.00	22.7	6.7	2.66	.88	1.00	1.00
67°F (19°C)	600	285	26.3	7.7	1.83	.52	.64	.76	25.0	7.3	2.07	.53	.65	.78	23.5	6.9	2.34	.54	.67	.80	22.0	6.4	2.65	.55	.69	.83
	800	380	27.4	8.0	1.84	.56	.70	.85	26.0	7.6	2.08	.57	.72	.88	24.5	7.2	2.35	.58	.74	.91	22.8	6.7	2.67	.60	.77	.95
	1000	470	28.2	8.3	1.85	.59	.76	.94	26.7	7.8	2.09	.60	.79	.96	25.1	7.4	2.36	.62	.82	.99	23.4	6.9	2.67	.64	.85	1.00
71°F (22°C)	600	285	28.1	8.2	1.84	.40	.51	.61	26.7	7.8	2.08	.40	.51	.63	25.1	7.4	2.36	.40	.52	.64	23.5	6.9	2.67	.41	.53	.66
	800	380	29.2	8.6	1.86	.41	.54	.67	27.7	8.1	2.09	.41	.55	.69	26.1	7.6	2.37	.42	.57	.71	24.3	7.1	2.69	.43	.58	.75
	1000	470	30.0	8.8	1.87	.42	.58	.74	28.4	8.3	2.10	.43	.60	.76	26.7	7.8	2.38	.43	.61	.79	24.8	7.3	2.69	.44	.63	.83

HP32-24 — CB30M-21/26 — CB30U-21/26 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.9	7.3	1.82	.69	.81	.93	23.7	6.9	2.06	.70	.83	.95	22.4	6.6	2.32	.71	.85	.97	21.0	6.2	2.64	.73	.88	1.00
	800	380	26.3	7.7	1.83	.74	.89	1.00	25.0	7.3	2.07	.76	.91	1.00	23.6	6.9	2.34	.78	.94	1.00	22.1	6.5	2.65	.81	.97	1.00
	1000	470	27.3	8.0	1.84	.80	.96	1.00	25.9	7.6	2.07	.83	.98	1.00	24.6	7.2	2.35	.85	1.00	1.00	23.2	6.8	2.66	.88	1.00	1.00
67°F (19°C)	600	285	26.7	7.8	1.83	.55	.66	.77	25.4	7.4	2.07	.55	.67	.79	24.0	7.0	2.34	.56	.68	.82	22.4	6.6	2.65	.57	.71	.84
	800	380	27.9	8.2	1.84	.57	.72	.86	26.5	7.8	2.08	.59	.74	.88	25.0	7.3	2.36	.60	.76	.91	23.3	6.8	2.67	.61	.78	.94
	1000	470	28.7	8.4	1.85	.61	.78	.94	27.2	8.0	2.09	.62	.80	.96	25.6	7.5	2.36	.64	.83	.98	23.9	7.0	2.68	.66	.86	1.00
71°F (22°C)	600	285	28.5	8.4	1.85	.42	.52	.63	27.1	7.9	2.09	.42	.53	.64	25.6	7.5	2.36	.42	.54	.66	24.0	7.0	2.68	.42	.55	.68
	800	380	29.8	8.7	1.86	.43	.56	.69	28.3	8.3	2.10	.43	.57	.71	26.6	7.8	2.38	.44	.58	.73	24.9	7.3	2.69	.44	.60	.76
	1000	470	30.5	8.9	1.87	.44	.60	.75	29.0	8.5	2.11	.44	.61	.78	27.3	8.0	2.38	.45	.63	.81	25.4	7.4	2.70	.46	.65	.84

HP32-24 - CB29M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
600	285	29.7	8.7	2.22	24.0	7.0	2.06	18.2	5.3	1.90	12.2	3.6	1.66	6.0	1.7	1.25				
800	380	30.2	8.9	2.08	24.5	7.2	1.92	18.7	5.5	1.76	12.7	3.7	1.52	6.5	1.9	1.11				
1000	470	31.3	9.2	1.99	25.6	7.5	1.83	19.8	5.8	1.67	13.8	4.0	1.44	7.6	2.2	1.03				

HP32-24 - CB30-21/26 — CB30U-21/26 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
600	285	30.2	8.9	2.17	24.8	7.3	2.07	19.4	5.7	1.96	13.6	4.0	1.77	7.2	2.1	1.36				
800	380	29.5	8.6	1.90	24.1	7.1	1.80	18.7	5.5	1.70	12.9	3.8	1.51	6.5	1.9	1.09				
1000	470	31.2	9.1	1.88	25.8	7.6	1.78	20.4	6.0	1.67	14.6	4.3	1.48	8.2	2.4	1.07				

HP32-24 - CB29M-41 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CB30M-21/26/CB30U-21/26 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — CB30M-31 — CB30U-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	25.4	7.4	1.85	.68	.81	.93	24.2	7.1	2.09	.69	.82	.94	22.9	6.7	2.36	.71	.84	.97	21.4	6.3	2.68	.73	.87	1.00
	800	380	26.8	7.9	1.86	.74	.89	1.00	25.5	7.5	2.10	.76	.91	1.00	24.0	7.0	2.38	.78	.94	1.00	22.5	6.6	2.70	.80	.97	1.00
	1000	470	27.8	8.1	1.87	.80	.97	1.00	26.5	7.8	2.11	.82	.99	1.00	25.1	7.4	2.39	.85	1.00	1.00	23.7	6.9	2.71	.88	1.00	1.00
67°F (19°C)	600	285	27.2	8.0	1.87	.54	.66	.77	25.9	7.6	2.10	.55	.67	.79	24.5	7.2	2.38	.55	.68	.81	22.9	6.7	2.71	.56	.70	.84
	800	380	28.5	8.4	1.88	.57	.72	.86	27.1	7.9	2.12	.58	.73	.88	25.5	7.5	2.40	.59	.75	.91	23.8	7.0	2.72	.61	.78	.94
	1000	470	29.4	8.6	1.89	.61	.78	.93	27.9	8.2	2.13	.62	.80	.96	26.2	7.7	2.41	.64	.83	.98	24.5	7.2	2.73	.66	.86	1.00
71°F (22°C)	600	285	29.1	8.5	1.89	.42	.52	.63	27.7	8.1	2.12	.42	.53	.64	26.2	7.7	2.40	.42	.53	.65	24.5	7.2	2.73	.42	.55	.67
	800	380	30.5	8.9	1.90	.42	.56	.69	28.9	8.5	2.14	.43	.57	.71	27.2	8.0	2.42	.43	.58	.73	25.5	7.5	2.75	.44	.59	.75
	1000	470	31.3	9.2	1.91	.44	.59	.75	29.7	8.7	2.15	.44	.61	.77	27.9	8.2	2.43	.45	.62	.80	26.1	7.6	2.76	.46	.65	.84

HP32-24 — CVP10-26/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.0	7.0	1.81	.68	.81	.93	22.8	6.7	2.04	.69	.82	.95	21.5	6.3	2.31	.70	.85	.97	20.1	5.9	2.62	.73	.88	1.00
	800	380	25.3	7.4	1.82	.74	.89	1.00	24.0	7.0	2.05	.75	.92	1.00	22.7	6.7	2.32	.78	.94	1.00	21.2	6.2	2.63	.81	.97	1.00
	1000	470	26.3	7.7	1.83	.80	.96	1.00	25.0	7.3	2.06	.82	.99	1.00	23.7	6.9	2.33	.85	1.00	1.00	22.2	6.5	2.65	.88	1.00	1.00
67°F (19°C)	600	285	25.7	7.5	1.82	.54	.65	.77	24.4	7.2	2.06	.54	.66	.79	23.0	6.7	2.33	.55	.68	.81	21.4	6.3	2.64	.56	.70	.84
	800	380	26.9	7.9	1.83	.57	.71	.86	25.5	7.5	2.07	.58	.73	.88	24.0	7.0	2.34	.59	.75	.91	22.3	6.5	2.65	.61	.78	.94
	1000	470	27.7	8.1	1.84	.60	.77	.93	26.2	7.7	2.08	.62	.80	.96	24.6	7.2	2.35	.64	.83	.99	22.9	6.7	2.66	.65	.86	1.00
71°F (22°C)	600	285	27.4	8.0	1.84	.41	.52	.63	26.1	7.6	2.07	.41	.53	.64	24.6	7.2	2.34	.42	.54	.65	22.9	6.7	2.66	.42	.55	.68
	800	380	28.6	8.4	1.85	.42	.56	.69	27.2	8.0	2.08	.42	.56	.70	25.6	7.5	2.35	.43	.58	.73	23.8	7.0	2.67	.43	.59	.76
	1000	470	29.4	8.6	1.86	.43	.59	.75	27.9	8.2	2.09	.44	.60	.78	26.1	7.6	2.37	.45	.62	.81	24.3	7.1	2.68	.45	.65	.84

HP32-24 - CB30M-31 — CB30U-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
600	285	29.7	8.7	2.11	24.1	7.1	1.98	18.4	5.4	1.86	12.5	3.7	1.66	6.5	1.9	1.27
800	380	29.5	8.6	1.87	23.9	7.0	1.75	18.2	5.3	1.63	12.3	3.6	1.43	6.3	1.8	1.04
1000	470	30.7	9.0	1.83	25.1	7.4	1.71	19.4	5.7	1.59	13.5	4.0	1.39	7.5	2.2	1.00

HP32-24 - CVP10-26/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
600	285	30.1	8.8	2.17	24.4	7.2	2.03	18.7	5.5	1.89	12.7	3.7	1.68	6.5	1.9	1.29
800	380	30.1	8.8	1.94	24.4	7.2	1.80	18.7	5.5	1.66	12.7	3.7	1.45	6.5	1.9	1.06
1000	470	31.1	9.1	1.89	25.4	7.4	1.75	19.7	5.8	1.61	13.7	4.0	1.40	7.5	2.2	1.01

HP32-24 - CB30M-31/CB30U-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CVP10-26/EC10Q3 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — C26-21 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	23.7	6.9	1.82	.69	.81	.93	22.6	6.6	2.05	.70	.83	.95	21.4	6.3	2.32	.72	.85	.98	20.1	5.9	2.63	.74	.88	.99
	800	380	24.9	7.3	1.83	.75	.90	1.00	23.7	6.9	2.06	.76	.92	1.00	22.4	6.6	2.33	.78	.94	1.00	21.1	6.2	2.64	.81	.97	1.00
	1000	470	25.8	7.6	1.83	.81	.96	1.00	24.6	7.2	2.07	.83	.98	1.00	23.3	6.8	2.34	.85	1.00	1.00	22.0	6.4	2.66	.88	1.00	1.00
67°F (19°C)	600	285	25.2	7.4	1.83	.55	.66	.78	24.0	7.0	2.06	.55	.68	.80	22.7	6.7	2.33	.56	.69	.82	21.3	6.2	2.65	.57	.71	.85
	800	380	26.3	7.7	1.84	.58	.72	.87	25.0	7.3	2.07	.59	.74	.89	23.6	6.9	2.35	.60	.76	.91	22.1	6.5	2.66	.62	.79	.94
	1000	470	27.0	7.9	1.84	.61	.79	.94	25.7	7.5	2.08	.63	.80	.96	24.2	7.1	2.35	.64	.83	.98	22.7	6.7	2.67	.66	.86	1.00
71°F (22°C)	600	285	26.9	7.9	1.84	.42	.53	.64	25.6	7.5	2.08	.42	.53	.65	24.3	7.1	2.35	.42	.54	.66	22.7	6.7	2.67	.43	.56	.69
	800	380	28.0	8.2	1.85	.43	.56	.70	26.6	7.8	2.09	.43	.57	.72	25.1	7.4	2.36	.44	.59	.74	23.5	6.9	2.68	.44	.60	.76
	1000	470	28.6	8.4	1.86	.44	.60	.76	27.2	8.0	2.10	.45	.62	.79	25.7	7.5	2.37	.45	.63	.81	24.0	7.0	2.69	.46	.65	.84

HP32-24 — C26-26 - C33-30A/B COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.81	.69	.82	.94	23.0	6.7	2.05	.71	.84	.95	21.7	6.4	2.31	.72	.86	.98	20.3	5.9	2.62	.74	.89	1.00
	800	380	25.5	7.5	1.82	.75	.90	1.00	24.2	7.1	2.06	.76	.93	1.00	22.8	6.7	2.33	.79	.95	1.00	21.3	6.2	2.64	.82	.98	1.00
	1000	470	26.4	7.7	1.83	.81	.97	1.00	25.1	7.4	2.06	.83	.99	1.00	23.8	7.0	2.33	.86	1.00	1.00	22.3	6.5	2.65	.90	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.82	.55	.66	.78	24.5	7.2	2.06	.55	.68	.80	23.1	6.8	2.33	.56	.69	.82	21.6	6.3	2.64	.57	.71	.85
	800	380	26.9	7.9	1.84	.58	.73	.87	25.6	7.5	2.07	.59	.74	.89	24.0	7.0	2.34	.60	.77	.92	22.4	6.6	2.66	.62	.79	.95
	1000	470	27.7	8.1	1.84	.62	.79	.95	26.2	7.7	2.08	.63	.81	.97	24.7	7.2	2.35	.64	.84	.99	22.9	6.7	2.67	.67	.88	1.00
71°F (22°C)	600	285	27.5	8.1	1.84	.42	.53	.64	26.2	7.7	2.08	.42	.53	.65	24.7	7.2	2.35	.42	.54	.67	23.0	6.7	2.67	.42	.56	.69
	800	380	28.7	8.4	1.85	.43	.56	.70	27.2	8.0	2.09	.43	.58	.72	25.6	7.5	2.36	.43	.59	.74	23.8	7.0	2.68	.44	.61	.78
	1000	470	29.4	8.6	1.86	.44	.60	.77	27.9	8.2	2.09	.44	.62	.79	26.1	7.6	2.37	.45	.64	.82	24.3	7.1	2.68	.46	.66	.85

HP32-24 - C26-21 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
600	285	31.1	9.1	2.37	25.2	7.4	2.19	19.3	5.7	2.02	13.1	3.8	1.78	6.8	2.0	1.37				
800	380	30.9	9.1	2.11	25.0	7.3	1.93	19.1	5.6	1.76	12.9	3.8	1.52	6.6	1.9	1.11				
1000	470	32.1	9.4	2.06	26.2	7.7	1.88	20.3	5.9	1.71	14.1	4.1	1.47	7.8	2.3	1.06				

HP32-24 - C26-26 - C33-30A/B HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
600	285	30.7	9.0	2.27	24.9	7.3	2.12	19.1	5.6	1.96	13.0	3.8	1.74	6.7	2.0	1.33				
800	380	30.5	8.9	2.03	24.7	7.2	1.87	18.9	5.5	1.72	12.8	3.8	1.49	6.5	1.9	1.09				
1000	470	30.7	9.0	2.27	24.9	7.3	2.12	19.1	5.6	1.96	13.0	3.8	1.74	6.7	2.0	1.33				

HP32-24 - C26-21 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - C26-26 - C33-30A/B HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — C26-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	25.3	7.4	1.83	.68	.81	.92	24.1	7.1	2.07	.69	.82	.95	22.8	6.7	2.34	.70	.85	.97	21.3	6.2	2.66	.73	.87	1.00
	800	380	26.7	7.8	1.85	.74	.89	1.00	25.4	7.4	2.08	.76	.91	1.00	24.0	7.0	2.36	.77	.94	1.00	22.4	6.6	2.67	.80	.98	1.00
	1000	470	27.8	8.1	1.85	.80	.96	1.00	26.4	7.7	2.09	.82	.98	1.00	25.0	7.3	2.37	.85	1.00	1.00	23.6	6.9	2.68	.88	1.00	1.00
67°F (19°C)	600	285	27.1	7.9	1.85	.54	.65	.77	25.8	7.6	2.09	.55	.66	.79	24.3	7.1	2.36	.55	.68	.81	22.7	6.7	2.68	.57	.70	.84
	800	380	28.4	8.3	1.86	.57	.71	.85	27.0	7.9	2.10	.58	.73	.88	25.4	7.4	2.37	.59	.75	.91	23.7	6.9	2.69	.61	.78	.94
	1000	470	29.3	8.6	1.87	.61	.77	.93	27.7	8.1	2.11	.62	.80	.96	26.1	7.6	2.38	.63	.82	.99	24.3	7.1	2.70	.66	.86	1.00
71°F (22°C)	600	285	29.0	8.5	1.87	.41	.52	.63	27.6	8.1	2.10	.42	.53	.64	26.1	7.6	2.38	.42	.53	.65	24.4	7.2	2.70	.42	.55	.67
	800	380	30.3	8.9	1.88	.42	.56	.69	28.8	8.4	2.12	.43	.56	.70	27.1	7.9	2.39	.43	.58	.73	25.3	7.4	2.71	.44	.60	.75
	1000	470	31.2	9.1	1.89	.43	.59	.75	29.5	8.6	2.13	.44	.61	.77	27.8	8.1	2.40	.45	.62	.80	25.9	7.6	2.72	.45	.64	.83

HP32-24 — CR26-21 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	22.5	6.6	1.79	.68	.81	.93	21.4	6.3	2.02	.70	.83	.95	20.2	5.9	2.28	.71	.85	.97	18.9	5.5	2.59	.73	.88	.99
	800	380	23.6	6.9	1.80	.74	.89	1.00	22.4	6.6	2.03	.76	.91	1.00	21.2	6.2	2.30	.78	.94	1.00	19.8	5.8	2.60	.80	.97	1.00
	1000	470	24.4	7.2	1.81	.80	.95	1.00	23.2	6.8	2.04	.81	.97	1.00	22.0	6.4	2.30	.84	.99	1.00	20.6	6.0	2.61	.87	1.00	1.00
67°F (19°C)	600	285	24.0	7.0	1.80	.54	.66	.77	22.8	6.7	2.03	.55	.67	.80	21.6	6.3	2.30	.56	.68	.82	20.1	5.9	2.61	.57	.71	.84
	800	380	25.0	7.3	1.81	.58	.71	.86	23.8	7.0	2.04	.58	.73	.88	22.4	6.6	2.31	.59	.75	.91	20.9	6.1	2.62	.61	.78	.94
	1000	470	25.7	7.5	1.81	.61	.77	.93	24.4	7.2	2.05	.61	.79	.95	22.9	6.7	2.32	.63	.82	.97	21.4	6.3	2.62	.65	.85	1.00
71°F (22°C)	600	285	25.6	7.5	1.81	.42	.52	.63	24.4	7.2	2.05	.42	.53	.65	23.0	6.7	2.31	.42	.54	.66	21.5	6.3	2.63	.42	.55	.68
	800	380	26.7	7.8	1.82	.42	.56	.69	25.3	7.4	2.05	.43	.57	.71	23.8	7.0	2.33	.43	.58	.73	22.2	6.5	2.64	.44	.60	.76
	1000	470	27.3	8.0	1.83	.44	.59	.75	25.9	7.6	2.06	.44	.60	.77	24.4	7.2	2.33	.45	.62	.80	22.7	6.7	2.64	.46	.64	.83

HP32-24 - C26-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
600	285	29.8	8.7	2.12	24.1	7.1	2.00	18.4	5.4	1.87	12.5	3.7	1.67	6.3	1.8	1.28
800	380	29.9	8.8	1.90	24.2	7.1	1.77	18.5	5.4	1.65	12.6	3.7	1.44	6.4	1.9	1.05
1000	470	30.9	9.1	1.85	25.2	7.4	1.73	19.5	5.7	1.60	13.6	4.0	1.40	7.4	2.2	1.01

HP32-24 - CR26-21 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
600	285	30.5	8.9	2.43	24.9	7.3	2.27	19.2	5.6	2.11	13.2	3.9	1.87	6.7	2.0	1.44
800	380	30.4	8.9	2.16	24.8	7.3	2.00	19.1	5.6	1.84	13.1	3.8	1.60	6.6	1.9	1.17
1000	470	31.5	9.2	2.10	25.9	7.6	1.94	20.2	5.9	1.78	14.2	4.2	1.54	7.7	2.3	1.11

HP32-24 - C26-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CR26-21 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — CR26-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	600	285	24.5	7.2	1.82	.69	.82	.94	23.3	6.8	2.06	.70	.83	.96	22.0	6.4	2.32	.72	.86	.98	20.5	6.0	2.64	.74	.89	1.00
	800	380	25.8	7.6	1.83	.74	.90	1.00	24.5	7.2	2.07	.76	.92	1.00	23.1	6.8	2.34	.79	.95	1.00	21.6	6.3	2.65	.81	.98	1.00
	1000	470	26.8	7.9	1.84	.81	.96	1.00	25.5	7.5	2.07	.83	.98	1.00	24.1	7.1	2.34	.86	1.00	1.00	22.6	6.6	2.66	.89	1.00	1.00
67°F (19°C)	600	285	26.2	7.7	1.83	.55	.66	.78	24.9	7.3	2.07	.55	.67	.80	23.4	6.9	2.34	.56	.69	.82	21.9	6.4	2.65	.57	.71	.85
	800	380	27.4	8.0	1.85	.58	.72	.87	26.0	7.6	2.08	.59	.74	.89	24.4	7.2	2.35	.60	.76	.92	22.7	6.7	2.67	.62	.79	.95
	1000	470	28.2	8.3	1.85	.61	.78	.94	26.7	7.8	2.09	.63	.80	.96	25.0	7.3	2.36	.64	.84	.99	23.3	6.8	2.68	.66	.87	1.00
71°F (22°C)	600	285	28.0	8.2	1.85	.42	.52	.63	26.6	7.8	2.09	.42	.53	.65	25.0	7.3	2.36	.42	.54	.67	23.4	6.9	2.67	.43	.56	.69
	800	380	29.2	8.6	1.86	.43	.56	.69	27.7	8.1	2.10	.43	.57	.71	26.0	7.6	2.37	.44	.59	.74	24.2	7.1	2.69	.44	.61	.77
	1000	470	29.9	8.8	1.87	.44	.60	.76	28.3	8.3	2.11	.45	.62	.78	26.6	7.8	2.38	.45	.63	.81	24.7	7.2	2.70	.46	.65	.85

HP32-24 — CH23-21 - CH33-30A-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	600	285	24.0	7.0	1.81	.70	.83	.94	22.8	6.7	2.04	.71	.85	.97	21.5	6.3	2.31	.73	.87	.99	20.0	5.9	2.62	.76	.91	1.00
	800	380	25.2	7.4	1.82	.76	.91	1.00	24.0	7.0	2.05	.78	.93	1.00	22.6	6.6	2.32	.80	.96	1.00	21.1	6.2	2.63	.84	.99	1.00
	1000	470	26.2	7.7	1.82	.82	.97	1.00	24.9	7.3	2.06	.84	.99	1.00	23.6	6.9	2.33	.87	1.00	1.00	22.1	6.5	2.64	.91	1.00	1.00
67°F (19°C)	600	285	25.6	7.5	1.82	.55	.68	.80	24.3	7.1	2.05	.56	.69	.82	22.9	6.7	2.32	.57	.71	.84	21.3	6.2	2.64	.59	.73	.87
	800	380	26.7	7.8	1.83	.59	.74	.88	25.3	7.4	2.06	.60	.76	.90	23.8	7.0	2.33	.61	.78	.93	22.1	6.5	2.64	.63	.81	.96
	1000	470	27.4	8.0	1.84	.63	.80	.95	26.0	7.6	2.07	.64	.82	.97	24.4	7.2	2.34	.66	.85	.99	22.7	6.7	2.65	.68	.89	1.00
71°F (22°C)	600	285	27.3	8.0	1.83	.42	.54	.65	25.9	7.6	2.07	.42	.54	.66	24.4	7.2	2.34	.43	.56	.68	22.7	6.7	2.65	.43	.57	.70
	800	380	28.4	8.3	1.84	.43	.57	.71	26.9	7.9	2.08	.44	.59	.74	25.3	7.4	2.35	.44	.60	.76	23.5	6.9	2.66	.45	.62	.79
	1000	470	29.1	8.5	1.85	.45	.62	.78	27.6	8.1	2.08	.45	.63	.80	25.9	7.6	2.35	.46	.65	.83	24.0	7.0	2.67	.47	.68	.87

HP32-24 - CR26-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
600	285	31.1	9.1	2.29	25.1	7.4	2.14	19.2	5.6	1.99	13.0	3.8	1.76	6.6	1.9	1.35				
800	380	31.1	9.1	2.04	25.1	7.4	1.89	19.2	5.6	1.74	13.0	3.8	1.51	6.6	1.9	1.10				
1000	470	32.1	9.4	1.99	26.1	7.6	1.84	20.2	5.9	1.69	14.0	4.1	1.46	7.6	2.2	1.05				

HP32-24 - CH23-21 - CH33-30A-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
600	285	30.2	8.9	2.54	23.9	7.0	2.25	17.7	5.2	1.96	11.4	3.3	1.67	5.5	1.6	1.29				
800	380	30.9	9.1	2.35	24.6	7.2	2.06	18.4	5.4	1.77	12.1	3.5	1.48	6.2	1.8	1.10				
1000	470	31.3	9.2	2.23	25.0	7.3	1.94	18.8	5.5	1.65	12.5	3.7	1.36	6.6	1.9	.98				

HP32-24 - CR26-31 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CH23-21 - CH33-30A-F HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-24 — CH23-31 - CH33-36A/B/C-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	24.2	7.1	1.81	.68	.81	.93	23.0	6.7	2.04	.69	.83	.95	21.7	6.4	2.31	.71	.85	.98	20.3	5.9	2.62	.73	.88	1.00
	800	380	25.5	7.5	1.82	.74	.89	1.00	24.2	7.1	2.05	.76	.92	1.00	22.8	6.7	2.32	.78	.95	1.00	21.3	6.2	2.63	.81	.98	1.00
	1000	470	26.4	7.7	1.82	.80	.97	1.00	25.1	7.4	2.06	.82	.99	1.00	23.8	7.0	2.33	.85	1.00	1.00	22.4	6.6	2.65	.88	1.00	1.00
67°F (19°C)	600	285	25.8	7.6	1.82	.54	.66	.77	24.6	7.2	2.05	.55	.67	.79	23.1	6.8	2.32	.56	.68	.82	21.6	6.3	2.64	.56	.70	.84
	800	380	27.0	7.9	1.83	.57	.72	.86	25.6	7.5	2.07	.58	.73	.89	24.1	7.1	2.33	.59	.76	.91	22.4	6.6	2.65	.61	.79	.95
	1000	470	27.7	8.1	1.84	.61	.78	.94	26.3	7.7	2.07	.62	.80	.96	24.7	7.2	2.34	.64	.83	.99	23.0	6.7	2.66	.66	.87	1.00
71°F (22°C)	600	285	27.6	8.1	1.84	.41	.52	.63	26.2	7.7	2.07	.41	.53	.64	24.7	7.2	2.34	.41	.54	.66	23.1	6.8	2.65	.42	.55	.68
	800	380	28.7	8.4	1.85	.42	.56	.69	27.3	8.0	2.08	.43	.57	.71	25.7	7.5	2.35	.43	.58	.73	23.9	7.0	2.67	.44	.60	.77
	1000	470	29.5	8.6	1.85	.44	.59	.76	27.9	8.2	2.09	.44	.61	.78	26.2	7.7	2.36	.45	.63	.81	24.4	7.2	2.68	.46	.65	.84

HP32-24 — CH23-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	600	285	25.2	7.4	1.85	.67	.80	.92	24.0	7.0	2.08	.69	.82	.94	22.7	6.7	2.35	.70	.84	.97	21.2	6.2	2.67	.72	.87	.99
	800	380	26.6	7.8	1.86	.73	.89	1.00	25.3	7.4	2.10	.75	.91	1.00	23.9	7.0	2.37	.77	.94	1.00	22.4	6.6	2.69	.80	.97	1.00
	1000	470	27.7	8.1	1.87	.80	.96	1.00	26.3	7.7	2.11	.82	.99	1.00	25.0	7.3	2.38	.85	1.00	1.00	23.5	6.9	2.70	.88	1.00	1.00
67°F (19°C)	600	285	26.9	7.9	1.86	.53	.65	.76	25.6	7.5	2.10	.54	.66	.78	24.2	7.1	2.37	.55	.67	.80	22.6	6.6	2.70	.56	.69	.83
	800	380	28.3	8.3	1.87	.57	.71	.85	26.8	7.9	2.11	.58	.72	.88	25.3	7.4	2.39	.59	.75	.90	23.6	6.9	2.71	.60	.77	.94
	1000	470	29.1	8.5	1.88	.60	.77	.94	27.6	8.1	2.12	.62	.79	.96	26.0	7.6	2.40	.63	.82	.99	24.3	7.1	2.72	.65	.85	1.00
71°F (22°C)	600	285	28.8	8.4	1.88	.41	.52	.62	27.4	8.0	2.12	.41	.52	.63	25.9	7.6	2.39	.41	.53	.65	24.2	7.1	2.72	.42	.54	.67
	800	380	30.1	8.8	1.89	.42	.55	.68	28.6	8.4	2.13	.42	.56	.70	27.0	7.9	2.41	.43	.57	.72	25.2	7.4	2.73	.43	.59	.75
	1000	470	31.0	9.1	1.90	.43	.59	.75	29.3	8.6	2.14	.44	.61	.77	27.6	8.1	2.42	.44	.62	.80	25.8	7.6	2.74	.45	.64	.83

HP32-24 - CH23-31 - CH33-36A/B/C-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
600	285	29.5	8.6	2.30	20.8	6.1	2.16	10.0	2.9	2.02	12.7	3.7	1.80	6.4	1.9	1.37					
800	380	29.5	8.6	2.06	20.8	6.1	1.92	10.0	2.9	1.78	12.7	3.7	1.56	6.4	1.9	1.13					
1000	470	30.1	8.8	1.95	21.4	6.3	1.81	10.6	3.1	1.67	13.3	3.9	1.45	7.0	2.0	1.03					

HP32-24 - CH23-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
600	285	30.0	8.8	2.20	24.3	7.1	2.07	18.6	5.5	1.95	12.7	3.7	1.74	6.4	1.9	1.33					
800	380	30.0	8.8	1.97	24.3	7.1	1.84	18.6	5.5	1.72	12.7	3.7	1.51	6.4	1.9	1.10					
1000	470	31.1	9.1	1.93	25.4	7.4	1.80	19.7	5.8	1.67	13.8	4.0	1.46	7.5	2.2	1.05					

HP32-24 - CH23-31 - CH33-36A/B/C-F HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-24 - CH23-41 HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CB29M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	28.0	8.2	1.80	.72	.87	.99	26.6	7.8	2.04	.73	.89	1.00	25.2	7.4	2.31	.76	.92	1.00	23.5	6.9	2.62	.78	.95	1.00
	1000	470	29.1	8.5	1.80	.77	.94	1.00	27.7	8.1	2.04	.80	.96	1.00	26.2	7.7	2.31	.82	.99	1.00	24.6	7.2	2.63	.85	1.00	1.00
	1200	565	30.0	8.8	1.81	.83	.99	1.00	28.7	8.4	2.04	.85	1.00	1.00	27.2	8.0	2.32	.88	1.00	1.00	25.6	7.5	2.63	.92	1.00	1.00
67°F (19°C)	800	380	29.8	8.7	1.81	.56	.69	.83	28.3	8.3	2.04	.57	.71	.86	26.7	7.8	2.31	.58	.73	.88	24.9	7.3	2.63	.59	.76	.92
	1000	470	30.7	9.0	1.81	.59	.75	.91	29.1	8.5	2.05	.60	.77	.94	27.4	8.0	2.32	.62	.80	.97	25.5	7.5	2.64	.64	.83	.99
	1200	565	31.3	9.2	1.81	.62	.81	.97	29.7	8.7	2.05	.64	.83	.99	28.0	8.2	2.32	.66	.86	1.00	26.0	7.6	2.64	.68	.90	1.00
71°F (22°C)	800	380	31.8	9.3	1.81	.41	.54	.67	30.2	8.9	2.05	.42	.55	.69	28.5	8.4	2.32	.42	.56	.70	26.6	7.8	2.64	.43	.58	.73
	1000	470	32.7	9.6	1.82	.43	.58	.73	31.0	9.1	2.05	.43	.59	.75	29.2	8.6	2.33	.44	.61	.77	27.2	8.0	2.64	.45	.63	.81
	1200	565	33.3	9.8	1.82	.44	.61	.79	31.6	9.3	2.06	.45	.63	.81	29.6	8.7	2.33	.46	.65	.84	27.6	8.1	2.65	.46	.67	.88

HP32-30 — CB30M-21/26 — CB30U-21/26 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	28.6	8.4	1.81	.71	.86	.98	27.3	8.0	2.05	.73	.88	1.00	25.8	7.6	2.33	.74	.91	1.00	24.2	7.1	2.64	.77	.94	1.00
	1000	470	29.7	8.7	1.82	.76	.94	1.00	28.3	8.3	2.06	.79	.96	1.00	26.8	7.9	2.33	.81	.98	1.00	25.2	7.4	2.65	.84	1.00	1.00
	1200	565	30.7	9.0	1.82	.82	.99	1.00	29.3	8.6	2.06	.84	1.00	1.00	27.9	8.2	2.33	.87	1.00	1.00	26.3	7.7	2.65	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.82	.55	.69	.82	29.0	8.5	2.06	.56	.70	.84	27.4	8.0	2.33	.57	.72	.87	25.6	7.5	2.65	.59	.74	.90
	1000	470	31.4	9.2	1.82	.59	.74	.90	29.9	8.8	2.06	.60	.76	.93	28.2	8.3	2.34	.61	.78	.95	26.3	7.7	2.66	.63	.82	.98
	1200	565	32.1	9.4	1.83	.62	.80	.97	30.5	8.9	2.07	.63	.82	.99	28.8	8.4	2.34	.65	.85	1.00	26.9	7.9	2.66	.67	.88	1.00
71°F (22°C)	800	380	32.6	9.6	1.83	.41	.54	.66	31.0	9.1	2.07	.42	.55	.68	29.3	8.6	2.34	.42	.56	.70	27.4	8.0	2.66	.42	.57	.72
	1000	470	33.5	9.8	1.83	.43	.57	.72	31.9	9.3	2.07	.43	.58	.74	30.1	8.8	2.35	.44	.60	.76	28.0	8.2	2.67	.44	.62	.79
	1200	565	34.2	10.0	1.84	.44	.60	.77	32.4	9.5	2.08	.44	.62	.80	30.6	9.0	2.35	.45	.64	.83	28.5	8.4	2.67	.46	.66	.87

HP32-30 - CB29M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
800	380	36.1	10.6	2.55	29.4	8.6	2.42	22.7	6.7	2.31	15.5	4.5	2.03	8.0	2.3	1.56				
1000	470	35.9	10.5	2.22	29.2	8.6	2.10	22.5	6.6	1.98	15.3	4.5	1.70	7.8	2.3	1.24				
1200	565	37.0	10.8	2.30	30.3	8.9	2.17	23.6	6.9	2.06	16.4	4.8	1.78	8.9	2.6	1.31				

HP32-30 - CB30M-21/26 —CB30U-21/26 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
800	380	35.8	10.5	2.47	28.8	8.4	2.33	21.8	6.4	2.18	14.9	4.4	1.94	7.3	2.1	1.46				
1000	470	36.3	10.6	2.32	29.3	8.6	2.17	22.3	6.5	2.03	15.4	4.5	1.79	7.8	2.3	1.30				
1200	565	36.6	10.7	2.22	29.6	8.7	2.08	22.6	6.6	1.93	15.7	4.6	1.69	8.1	2.4	1.21				

HP32-30 - CB29M-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CB30U-21/26/CB30U-21/26 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CB30M-31 — CB30U-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.6	8.7	1.82	.72	.86	.99	28.2	8.3	2.05	.73	.88	1.00	26.7	7.8	2.33	.75	.91	1.00	25.0	7.3	2.65	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.77	.93	1.00	29.3	8.6	2.06	.79	.96	1.00	27.7	8.1	2.34	.82	.98	1.00	26.1	7.6	2.65	.84	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.99	1.00	30.3	8.9	2.06	.85	1.00	28.9	8.5	2.34	.88	1.00	1.00	27.3	8.0	2.66	.91	1.00	1.00	
67°F (19°C)	800	380	31.6	9.3	1.82	.56	.69	.83	30.0	8.8	2.06	.57	.71	.85	28.4	8.3	2.34	.58	.73	.87	26.6	7.8	2.66	.59	.75	.90
	1000	470	32.6	9.6	1.83	.59	.75	.90	31.0	9.1	2.07	.61	.77	.93	29.3	8.6	2.34	.62	.79	.95	27.4	8.0	2.66	.64	.82	.98
	1200	565	33.3	9.8	1.83	.63	.80	.97	31.7	9.3	2.07	.64	.83	.99	29.9	8.8	2.35	.66	.86	1.00	28.0	8.2	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.42	.54	.67	32.1	9.4	2.07	.42	.55	.68	30.4	8.9	2.35	.43	.56	.70	28.4	8.3	2.67	.43	.58	.73
	1000	470	34.8	10.2	1.84	.43	.58	.73	33.0	9.7	2.08	.44	.59	.75	31.2	9.1	2.36	.44	.60	.77	29.2	8.6	2.67	.45	.63	.80
	1200	565	35.5	10.4	1.84	.44	.61	.78	33.7	9.9	2.09	.45	.63	.80	31.8	9.3	2.36	.46	.65	.83	29.7	8.7	2.68	.47	.67	.87

HP32-30 — CB30M-41 — CB30U-41/46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.6	8.7	1.81	.73	.87	.99	28.2	8.3	2.05	.74	.89	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.79	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.83	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.3	8.9	2.06	.86	1.00	28.9	8.5	2.33	.89	1.00	1.00	27.3	8.0	2.65	.92	1.00	1.00	
67°F (19°C)	800	380	31.6	9.3	1.82	.57	.70	.83	30.1	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.6	9.6	1.83	.60	.76	.91	31.0	9.1	2.07	.62	.78	.93	29.3	8.6	2.34	.63	.80	.96	27.5	8.1	2.65	.65	.83	.99
	1200	565	33.4	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	30.0	8.8	2.34	.67	.86	1.00	28.1	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.8	9.9	1.83	.43	.55	.68	32.2	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.44	.57	.71	28.5	8.4	2.66	.44	.59	.73
	1000	470	34.9	10.2	1.84	.44	.59	.74	33.1	9.7	2.08	.45	.60	.75	31.3	9.2	2.35	.45	.61	.78	29.3	8.6	2.66	.46	.63	.80
	1200	565	35.6	10.4	1.84	.45	.62	.79	33.8	9.9	2.08	.46	.64	.81	31.9	9.3	2.35	.47	.66	.84	29.8	8.7	2.67	.47	.68	.87

HP32-30 - CB30-31 — CB30U-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
800	380	35.5	10.4	2.34	28.7	8.4	2.23	22.1	6.5	2.14	15.0	4.4	1.88	7.8	2.3	1.45				
1000	470	35.2	10.3	2.06	28.4	8.3	1.95	21.8	6.4	1.85	14.7	4.3	1.60	7.5	2.2	1.16				
1200	565	36.3	10.6	2.10	29.5	8.6	1.99	22.9	6.7	1.90	15.8	4.6	1.64	8.6	2.5	1.21				

HP32-30 - CB30M-41 — CB30U-41/46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
800	380	35.7	10.5	2.31	28.9	8.5	2.21	22.1	6.5	2.12	15.0	4.4	1.87	7.7	2.3	1.44				
1000	470	35.5	10.4	2.02	28.7	8.4	1.91	21.9	6.4	1.82	14.8	4.3	1.57	7.5	2.2	1.14				
1200	565	36.5	10.7	2.07	29.7	8.7	1.97	22.9	6.7	1.88	15.8	4.6	1.63	8.5	2.5	1.20				

HP32-30 - CB30M-31 / CB30U-31 HEATING PERFORMANCE AT 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CB30M-41 / CB30U-41/46 HEATING PERFORMANCE AT 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CB30M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.6	8.7	1.81	.73	.87	.99	28.2	8.3	2.05	.74	.89	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.79	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.83	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.3	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.89	1.00	1.00	27.3	8.0	2.65	.92	1.00	1.00
67°F (19°C)	800	380	31.6	9.3	1.82	.57	.70	.83	30.1	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.6	9.6	1.83	.60	.76	.91	31.0	9.1	2.07	.62	.78	.93	29.3	8.6	2.34	.63	.80	.96	27.5	8.1	2.65	.65	.83	.99
	1200	565	33.4	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	30.0	8.8	2.34	.67	.86	1.00	28.1	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.8	9.9	1.83	.43	.55	.68	32.2	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.44	.57	.71	28.5	8.4	2.66	.44	.59	.73
	1000	470	34.9	10.2	1.84	.44	.59	.74	33.1	9.7	2.08	.45	.60	.75	31.3	9.2	2.35	.45	.61	.78	29.3	8.6	2.66	.46	.63	.80
	1200	565	35.6	10.4	1.84	.45	.62	.79	33.8	9.9	2.08	.46	.64	.81	31.9	9.3	2.35	.47	.66	.84	29.8	8.7	2.67	.47	.68	.87

HP32-30 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.5	8.6	1.81	.72	.86	.98	28.1	8.2	2.05	.74	.88	1.00	26.6	7.8	2.32	.75	.91	1.00	25.0	7.3	2.64	.78	.93	1.00
	1000	470	30.7	9.0	1.82	.78	.93	1.00	29.2	8.6	2.06	.80	.95	1.00	27.7	8.1	2.33	.81	.97	1.00	26.1	7.6	2.65	.84	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.98	1.00	30.3	8.9	2.06	.85	1.00	1.00	28.8	8.4	2.33	.88	1.00	1.00	27.3	8.0	2.65	.90	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.57	.71	.85	28.4	8.3	2.33	.58	.73	.87	26.6	7.8	2.65	.60	.75	.90
	1000	470	32.6	9.6	1.83	.60	.75	.90	31.0	9.1	2.07	.61	.77	.92	29.3	8.6	2.34	.62	.79	.95	27.4	8.0	2.65	.64	.82	.98
	1200	565	33.3	9.8	1.83	.63	.81	.96	31.7	9.3	2.07	.64	.83	.98	29.9	8.8	2.34	.66	.86	1.00	28.0	8.2	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.42	.55	.67	32.1	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.43	.57	.70	28.5	8.4	2.66	.44	.58	.73
	1000	470	34.8	10.2	1.84	.44	.58	.73	33.0	9.7	2.08	.44	.59	.75	31.2	9.1	2.35	.45	.61	.77	29.3	8.6	2.66	.45	.62	.80
	1200	565	35.5	10.4	1.84	.45	.62	.78	33.7	9.9	2.08	.45	.63	.80	31.8	9.3	2.35	.46	.65	.83	29.8	8.7	2.67	.47	.67	.86

HP32-30 - CB30M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
800	380	35.7	10.5	2.31	28.9	8.5	2.21	22.2	6.5	2.12	15.0	4.4	1.87	7.7	2.3	1.44
1000	470	35.5	10.4	2.02	28.7	8.4	1.91	22.0	6.4	1.82	14.8	4.3	1.57	7.5	2.2	1.14
1200	565	36.5	10.7	2.07	29.7	8.7	1.97	23.0	6.7	1.88	15.8	4.6	1.63	8.5	2.5	1.20

HP32-30 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
800	380	35.4	10.4	2.31	28.6	8.4	2.21	21.8	6.4	2.12	14.7	4.3	1.87	7.6	2.2	1.44
1000	470	35.2	10.3	2.02	28.4	8.3	1.91	21.6	6.3	1.82	14.5	4.2	1.57	7.4	2.2	1.14
1200	565	36.2	10.6	2.07	29.4	8.6	1.97	22.6	6.6	1.88	15.5	4.5	1.63	8.4	2.5	1.20

HP32-30 - CB30M-46 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CB31MV-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CVP10-31/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	28.6	8.4	1.81	.73	.86	.98	27.3	8.0	2.04	.74	.88	.99	25.8	7.6	2.32	.76	.91	1.00	24.2	7.1	2.63	.78	.94	1.00
	1000	470	29.7	8.7	1.81	.78	.93	1.00	28.4	8.3	2.05	.80	.95	1.00	26.9	7.9	2.32	.82	.97	1.00	25.3	7.4	2.64	.85	1.00	1.00
	1200	565	30.7	9.0	1.81	.83	.98	1.00	29.4	8.6	2.05	.85	1.00	1.00	27.9	8.2	2.32	.88	1.00	1.00	26.4	7.7	2.64	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.81	.57	.70	.83	29.0	8.5	2.05	.58	.72	.85	27.5	8.1	2.32	.59	.73	.87	25.8	7.6	2.64	.60	.76	.90
	1000	470	31.5	9.2	1.82	.60	.76	.90	30.0	8.8	2.06	.61	.77	.92	28.3	8.3	2.33	.62	.80	.95	26.5	7.8	2.65	.64	.83	.98
	1200	565	32.2	9.4	1.82	.63	.81	.96	30.6	9.0	2.06	.64	.83	.98	28.9	8.5	2.33	.66	.86	1.00	27.0	7.9	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.6	9.6	1.82	.43	.55	.67	31.0	9.1	2.06	.43	.56	.69	29.4	8.6	2.33	.43	.57	.71	27.5	8.1	2.65	.44	.59	.73
	1000	470	33.6	9.8	1.83	.44	.58	.73	32.0	9.4	2.07	.44	.60	.75	30.2	8.9	2.34	.45	.61	.77	28.2	8.3	2.66	.45	.63	.80
	1200	565	34.3	10.1	1.83	.45	.62	.79	32.6	9.6	2.07	.45	.63	.81	30.7	9.0	2.35	.46	.65	.84	28.7	8.4	2.66	.47	.68	.87

HP32-30 — CVP10-41/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	28.6	8.4	1.81	.73	.86	.98	27.2	8.0	2.05	.74	.88	1.00	25.8	7.6	2.32	.76	.91	1.00	24.1	7.1	2.64	.78	.94	1.00
	1000	470	29.8	8.7	1.81	.78	.93	1.00	28.3	8.3	2.05	.80	.95	1.00	26.8	7.9	2.33	.82	.98	1.00	25.2	7.4	2.64	.85	1.00	1.00
	1200	565	30.7	9.0	1.82	.83	.99	1.00	29.4	8.6	2.06	.85	1.00	1.00	28.0	8.2	2.33	.88	1.00	1.00	26.4	7.7	2.65	.91	1.00	1.00
67°F (19°C)	800	380	30.5	8.9	1.82	.57	.70	.83	29.1	8.5	2.05	.57	.71	.85	27.5	8.1	2.33	.59	.73	.87	25.7	7.5	2.65	.60	.75	.90
	1000	470	31.6	9.3	1.82	.60	.75	.90	30.0	8.8	2.06	.61	.77	.92	28.3	8.3	2.34	.62	.80	.95	26.5	7.8	2.65	.64	.82	.98
	1200	565	32.3	9.5	1.83	.63	.81	.96	30.7	9.0	2.06	.65	.83	.98	29.0	8.5	2.34	.66	.86	1.00	27.1	7.9	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.7	9.6	1.83	.43	.55	.67	31.1	9.1	2.07	.43	.56	.69	29.4	8.6	2.34	.43	.57	.71	27.5	8.1	2.66	.44	.58	.73
	1000	470	33.7	9.9	1.83	.44	.58	.73	32.0	9.4	2.07	.44	.60	.75	30.2	8.9	2.34	.45	.61	.77	28.3	8.3	2.66	.45	.63	.80
	1200	565	34.5	10.1	1.84	.45	.62	.79	32.7	9.6	2.08	.46	.63	.81	30.8	9.0	2.35	.46	.65	.83	28.8	8.4	2.66	.47	.67	.87

HP32-30 - CVP10-31/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
800	380	41.5	12.2	3.12	34.7	10.2	2.99	28.0	8.2	2.88	20.7	6.1	2.61	13.2	3.9	2.16				
1000	470	36.0	10.6	2.15	29.2	8.6	2.02	22.5	6.6	1.91	15.2	4.5	1.64	7.7	2.3	1.19				
1200	565	42.6	12.5	2.73	35.8	10.5	2.60	29.1	8.5	2.49	21.8	6.4	2.22	14.3	4.2	1.77				

HP32-30 - CVP10-41/46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
800	380	35.8	10.5	2.32	29.1	8.5	2.21	22.5	6.6	2.12	15.3	4.5	1.86	7.9	2.3	1.43				
1000	470	35.5	10.4	2.05	28.8	8.4	1.94	22.2	6.5	1.84	15.0	4.4	1.59	7.6	2.2	1.15				
1200	565	36.6	10.7	2.09	29.9	8.8	1.98	23.3	6.8	1.88	16.1	4.7	1.63	8.7	2.5	1.19				

HP32-30 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CVP10-41/46/EC10Q4 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — C26-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C
63°F (17°C)	800	380	29.4	8.6	1.82	.73	.86	.98	28.0	8.2	2.06	.74	.89	.99	26.6	7.8	2.33	.76	.91	1.00	25.0	7.3	2.65	.78	.93	1.00
	1000	470	30.6	9.0	1.82	.78	.93	1.00	29.1	8.5	2.06	.80	.96	1.00	27.6	8.1	2.34	.82	.98	1.00	26.0	7.6	2.66	.85	1.00	1.00
	1200	565	31.5	9.2	1.83	.83	.98	1.00	30.1	8.8	2.07	.85	1.00	1.00	28.7	8.4	2.34	.87	1.00	1.00	27.2	8.0	2.66	.90	1.00	1.00
67°F (19°C)	800	380	31.3	9.2	1.83	.57	.70	.83	29.9	8.8	2.07	.58	.72	.85	28.3	8.3	2.34	.59	.73	.87	26.6	7.8	2.66	.60	.76	.90
	1000	470	32.4	9.5	1.83	.60	.76	.90	30.8	9.0	2.07	.61	.77	.92	29.1	8.5	2.35	.62	.80	.95	27.3	8.0	2.67	.64	.82	.98
	1200	565	33.1	9.7	1.84	.63	.81	.96	31.5	9.2	2.08	.64	.83	.98	29.7	8.7	2.35	.66	.86	1.00	27.9	8.2	2.67	.68	.89	1.00
71°F (22°C)	800	380	33.5	9.8	1.84	.43	.55	.67	31.9	9.3	2.08	.43	.56	.69	30.3	8.9	2.35	.43	.57	.71	28.4	8.3	2.67	.44	.58	.73
	1000	470	34.5	10.1	1.84	.44	.59	.73	32.9	9.6	2.08	.44	.60	.75	31.1	9.1	2.36	.45	.61	.77	29.1	8.5	2.67	.45	.63	.80
	1200	565	35.2	10.3	1.84	.45	.62	.78	33.5	9.8	2.09	.45	.63	.81	31.6	9.3	2.36	.46	.65	.84	29.6	8.7	2.68	.47	.67	.86

HP32-30 — C33-38A/B - C26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C
63°F (17°C)	800	380	29.5	8.6	1.81	.73	.87	.98	28.2	8.3	2.05	.74	.88	1.00	26.7	7.8	2.32	.76	.91	1.00	25.0	7.3	2.64	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.3	8.6	2.06	.80	.96	1.00	27.8	8.1	2.33	.82	.98	1.00	26.2	7.7	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.84	.99	1.00	30.4	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.88	1.00	1.00	27.3	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.58	.72	.85	28.4	8.3	2.33	.59	.74	.88	26.6	7.8	2.65	.60	.76	.91
	1000	470	32.5	9.5	1.83	.60	.76	.91	31.0	9.1	2.07	.61	.78	.93	29.2	8.6	2.34	.63	.80	.96	27.4	8.0	2.65	.64	.83	.98
	1200	565	33.3	9.8	1.83	.64	.81	.97	31.7	9.3	2.07	.65	.84	.99	29.9	8.8	2.34	.66	.86	1.00	28.0	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.6	9.8	1.83	.43	.55	.68	32.1	9.4	2.07	.43	.56	.69	30.4	8.9	2.34	.43	.57	.71	28.4	8.3	2.66	.44	.58	.73
	1000	470	34.7	10.2	1.83	.44	.59	.73	33.0	9.7	2.08	.44	.60	.75	31.2	9.1	2.35	.45	.61	.78	29.2	8.6	2.66	.46	.63	.81
	1200	565	35.4	10.4	1.84	.45	.62	.79	33.7	9.9	2.08	.46	.64	.81	31.8	9.3	2.35	.46	.65	.84	29.7	8.7	2.67	.47	.68	.87

HP32-030 - C26-31 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input				
800	380	36.2	10.6	2.46	29.4	8.6	2.34	22.6	6.6	2.22	15.4	4.5	1.95	8.0	2.3	1.51				
1000	470	35.9	10.5	2.15	29.1	8.5	2.02	22.3	6.5	1.91	15.1	4.4	1.64	7.7	2.3	1.19				
1200	565	37.0	10.8	2.21	30.2	8.9	2.08	23.4	6.9	1.97	16.2	4.7	1.70	8.8	2.6	1.25				

HP32-30 - C33-38A/B - C26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input				
800	380	36.1	10.6	2.35	29.2	8.6	2.25	22.4	6.6	2.15	15.2	4.5	1.89	7.8	2.3	1.46				
1000	470	35.9	10.5	2.05	29.0	8.5	1.95	22.2	6.5	1.85	15.0	4.4	1.59	7.6	2.2	1.16				
1200	565	37.0	10.8	2.11	30.1	8.8	2.01	23.3	6.8	1.91	16.1	4.7	1.65	8.7	2.5	1.22				

HP32-030 - C26-31 - HEATING PERFORMANCE at 800 cfm (378 L/s) Indoor Coil Air Volume

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

HP32-30 - C33-38A/B - C26-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — C26-46 - C33-48B/C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.5	8.6	1.81	.72	.86	.99	28.1	8.2	2.05	.74	.88	1.00	26.6	7.8	2.33	.76	.91	1.00	24.9	7.3	2.64	.78	.94	1.00
	1000	470	30.7	9.0	1.82	.78	.94	1.00	29.2	8.6	2.06	.80	.96	1.00	27.7	8.1	2.33	.82	.98	1.00	26.1	7.6	2.65	.85	1.00	1.00
	1200	565	31.8	9.3	1.82	.83	.99	1.00	30.4	8.9	2.06	.86	1.00	1.00	28.9	8.5	2.33	.88	1.00	1.00	27.3	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.5	9.2	1.82	.57	.70	.83	30.0	8.8	2.06	.57	.71	.85	28.3	8.3	2.34	.58	.73	.87	26.5	7.8	2.65	.60	.75	.91
	1000	470	32.5	9.5	1.83	.60	.76	.90	31.0	9.1	2.07	.61	.77	.93	29.2	8.6	2.34	.63	.80	.96	27.3	8.0	2.65	.64	.82	.99
	1200	565	33.3	9.8	1.83	.63	.81	.97	31.7	9.3	2.07	.65	.83	.99	29.9	8.8	2.34	.66	.86	1.00	27.9	8.2	2.66	.69	.89	1.00
71°F (22°C)	800	380	33.7	9.9	1.83	.43	.55	.67	32.1	9.4	2.07	.43	.55	.69	30.3	8.9	2.35	.43	.57	.71	28.4	8.3	2.66	.43	.58	.73
	1000	470	34.8	10.2	1.84	.43	.58	.73	33.0	9.7	2.08	.44	.60	.75	31.2	9.1	2.35	.44	.61	.77	29.1	8.5	2.67	.45	.63	.80
	1200	565	35.5	10.4	1.84	.45	.62	.79	33.7	9.9	2.08	.45	.63	.81	31.7	9.3	2.36	.46	.66	.84	29.6	8.7	2.67	.47	.68	.87

HP32-30 — CR26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.3	8.6	1.81	.72	.87	.99	27.8	8.1	2.05	.74	.89	1.00	26.3	7.7	2.33	.76	.91	1.00	24.6	7.2	2.65	.78	.94	1.00
	1000	470	30.4	8.9	1.82	.78	.94	1.00	28.9	8.5	2.06	.80	.96	1.00	27.4	8.0	2.33	.82	.98	1.00	25.7	7.5	2.65	.86	1.00	1.00
	1200	565	31.4	9.2	1.82	.83	.99	1.00	30.0	8.8	2.06	.86	1.00	1.00	28.5	8.4	2.34	.89	1.00	1.00	26.8	7.9	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.2	9.1	1.82	.56	.70	.83	29.6	8.7	2.06	.57	.72	.85	28.0	8.2	2.34	.58	.73	.88	26.1	7.6	2.66	.60	.76	.91
	1000	470	32.2	9.4	1.83	.60	.76	.91	30.6	9.0	2.07	.61	.77	.93	28.8	8.4	2.34	.62	.80	.96	26.9	7.9	2.66	.64	.83	.99
	1200	565	32.9	9.6	1.83	.63	.81	.97	31.2	9.1	2.07	.65	.83	.99	29.4	8.6	2.35	.66	.86	1.00	27.4	8.0	2.66	.68	.90	1.00
71°F (22°C)	800	380	33.3	9.8	1.83	.42	.55	.67	31.7	9.3	2.07	.42	.56	.69	29.9	8.8	2.35	.43	.57	.71	27.9	8.2	2.67	.44	.59	.73
	1000	470	34.3	10.1	1.84	.44	.58	.73	32.6	9.6	2.08	.44	.60	.75	30.7	9.0	2.36	.45	.61	.78	28.6	8.4	2.67	.45	.63	.81
	1200	565	35.0	10.3	1.84	.45	.62	.79	33.2	9.7	2.08	.45	.63	.81	31.2	9.1	2.36	.46	.65	.84	29.1	8.5	2.67	.47	.68	.88

HP32-30 - C26-46 - C33-48B/C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input
800	380	35.1	10.3	2.28	28.4	8.3	2.18	21.9	6.4	2.10	14.9	4.4	1.85	7.7	2.3	1.42				
1000	470	34.9	10.2	1.99	28.2	8.3	1.90	21.7	6.4	1.81	14.7	4.3	1.57	7.5	2.2	1.14				
1200	565	36.0	10.6	2.06	29.3	8.6	1.96	22.8	6.7	1.88	15.8	4.6	1.63	8.6	2.5	1.20				

HP32-30 - CR26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input
800	380	37.1	10.9	2.45	30.1	8.8	2.34	23.1	6.8	2.24	15.7	4.6	1.97	8.1	2.4	1.52				
1000	470	36.8	10.8	2.14	29.8	8.7	2.03	22.8	6.7	1.93	15.4	4.5	1.67	7.8	2.3	1.21				
1200	565	37.8	11.1	2.20	30.8	9.0	2.09	23.8	7.0	1.99	16.4	4.8	1.73	8.8	2.6	1.27				

HP32-30 - C26-46 - C33-48B/C HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CR26-41 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CH33-36A-F - CH23-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	28.9	8.5	1.81	.72	.86	.99	27.5	8.1	2.05	.74	.89	1.00	26.1	7.6	2.32	.75	.91	1.00	24.4	7.2	2.64	.78	.94	1.00
	1000	470	30.1	8.8	1.81	.78	.94	1.00	28.6	8.4	2.05	.79	.96	1.00	27.1	7.9	2.33	.82	.99	1.00	25.6	7.5	2.64	.85	1.00	1.00
	1200	565	31.1	9.1	1.82	.83	.99	1.00	29.7	8.7	2.06	.86	1.00	1.00	28.3	8.3	2.33	.88	1.00	1.00	26.7	7.8	2.65	.92	1.00	1.00
67°F (19°C)	800	380	30.8	9.0	1.82	.56	.70	.83	29.3	8.6	2.06	.57	.71	.85	27.7	8.1	2.33	.58	.73	.87	25.9	7.6	2.65	.60	.75	.91
	1000	470	31.8	9.3	1.82	.59	.75	.90	30.2	8.9	2.06	.61	.77	.93	28.5	8.4	2.34	.62	.80	.96	26.7	7.8	2.65	.64	.83	.98
	1200	565	32.5	9.5	1.83	.63	.81	.97	30.9	9.1	2.07	.64	.84	.99	29.2	8.6	2.34	.66	.86	1.00	27.3	8.0	2.65	.68	.89	1.00
71°F (22°C)	800	380	32.9	9.6	1.83	.42	.54	.67	31.3	9.2	2.07	.42	.56	.69	29.6	8.7	2.34	.43	.57	.71	27.7	8.1	2.65	.43	.58	.73
	1000	470	33.9	9.9	1.83	.43	.58	.73	32.2	9.4	2.07	.44	.59	.75	30.4	8.9	2.35	.44	.61	.77	28.4	8.3	2.66	.45	.63	.80
	1200	565	34.5	10.1	1.84	.45	.62	.79	32.8	9.6	2.08	.45	.63	.81	30.9	9.1	2.35	.46	.65	.84	28.9	8.5	2.66	.47	.67	.87

HP32-30 — CH33-42B-F - CH23-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	800	380	29.4	8.6	1.81	.72	.86	.99	28.0	8.2	2.05	.73	.89	1.00	26.5	7.8	2.32	.75	.91	1.00	24.8	7.3	2.64	.78	.94	1.00
	1000	470	30.6	9.0	1.82	.78	.94	1.00	29.1	8.5	2.06	.79	.96	1.00	27.6	8.1	2.33	.82	.98	1.00	26.0	7.6	2.64	.85	1.00	1.00
	1200	565	31.7	9.3	1.82	.83	.99	1.00	30.3	8.9	2.06	.86	1.00	1.00	28.8	8.4	2.33	.88	1.00	1.00	27.2	8.0	2.65	.91	1.00	1.00
67°F (19°C)	800	380	31.4	9.2	1.82	.56	.69	.83	29.9	8.8	2.06	.57	.71	.85	28.2	8.3	2.33	.58	.73	.88	26.4	7.7	2.65	.60	.75	.90
	1000	470	32.4	9.5	1.83	.60	.75	.91	30.8	9.0	2.07	.60	.77	.93	29.1	8.5	2.34	.62	.79	.96	27.2	8.0	2.65	.64	.83	.99
	1200	565	33.2	9.7	1.83	.63	.81	.97	31.5	9.2	2.07	.64	.83	.99	29.7	8.7	2.34	.66	.86	1.00	27.8	8.1	2.66	.68	.89	1.00
71°F (22°C)	800	380	33.5	9.8	1.83	.42	.55	.67	31.9	9.3	2.07	.42	.56	.69	30.1	8.8	2.34	.43	.57	.70	28.2	8.3	2.66	.43	.58	.73
	1000	470	34.6	10.1	1.84	.43	.58	.73	32.8	9.6	2.08	.44	.59	.75	31.0	9.1	2.35	.44	.61	.77	28.9	8.5	2.66	.45	.63	.80
	1200	565	35.3	10.3	1.84	.45	.62	.79	33.5	9.8	2.08	.45	.63	.81	31.5	9.2	2.35	.46	.65	.84	29.4	8.6	2.67	.47	.67	.87

HP32-30 - CH33-36A-F - CH23-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	36.4	10.7	2.57	29.5	8.6	2.45	22.8	6.7	2.34	15.5	4.5	2.06	8.0	2.3	1.59				
1000	470	36.1	10.6	2.24	29.2	8.6	2.12	22.5	6.6	2.01	15.2	4.5	1.73	7.7	2.3	1.26				
1200	565	37.2	10.9	2.31	30.3	8.9	2.19	23.6	6.9	2.08	16.3	4.8	1.80	8.8	2.6	1.32				

HP32-30 - CH33-42B-F - CH23-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	36.4	10.7	2.38	29.5	8.6	2.27	22.8	6.7	2.16	15.6	4.6	1.90	8.1	2.4	1.45				
1000	470	36.0	10.6	2.14	29.1	8.5	2.02	22.4	6.6	1.92	15.2	4.5	1.65	7.7	2.3	1.20				
1200	565	37.2	10.9	2.13	30.3	8.9	2.01	23.6	6.9	1.91	16.4	4.8	1.64	8.9	2.6	1.19				

HP32-30 - CH33-36AC-F - CH23-41 HEATING PERFORMANCE AT 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-30 - CH33-42B-F - CH23-51 HEATING PERFORMANCE AT 1000 cfm (472 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-30 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	29.9	8.8	1.82	.72	.86	.98	28.5	8.4	2.07	.73	.88	1.00	27.0	7.9	2.34	.75	.90	1.00	25.3	7.4	2.66	.77	.93	1.00
	1000	470	31.1	9.1	1.83	.77	.93	1.00	29.7	8.7	2.07	.79	.95	1.00	28.1	8.2	2.35	.82	.98	1.00	26.5	7.8	2.67	.84	1.00	1.00
	1200	565	32.2	9.4	1.84	.83	.99	1.00	30.8	9.0	2.08	.85	1.00	1.00	29.4	8.6	2.35	.88	1.00	1.00	27.7	8.1	2.67	.91	1.00	1.00
67°F (19°C)	800	380	31.9	9.3	1.83	.56	.69	.82	30.4	8.9	2.08	.57	.71	.84	28.7	8.4	2.35	.58	.72	.87	27.0	7.9	2.67	.59	.74	.90
	1000	470	33.0	9.7	1.84	.59	.75	.90	31.4	9.2	2.08	.61	.77	.92	29.7	8.7	2.36	.62	.79	.95	27.8	8.1	2.68	.64	.82	.98
	1200	565	33.8	9.9	1.84	.63	.81	.97	32.1	9.4	2.09	.64	.83	.99	30.4	8.9	2.36	.66	.86	1.00	28.4	8.3	2.68	.68	.89	1.00
71°F (22°C)	800	380	34.2	10.0	1.85	.42	.54	.67	32.6	9.6	2.09	.43	.55	.68	30.8	9.0	2.37	.43	.56	.70	28.9	8.5	2.68	.43	.58	.72
	1000	470	35.3	10.3	1.85	.43	.58	.72	33.5	9.8	2.10	.44	.59	.74	31.7	9.3	2.37	.44	.61	.77	29.7	8.7	2.69	.45	.62	.80
	1200	565	36.0	10.6	1.86	.45	.62	.78	34.2	10.0	2.10	.45	.63	.81	32.3	9.5	2.38	.46	.65	.83	30.2	8.9	2.69	.47	.67	.87

HP32-36 — CB29M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	33.4	9.8	2.19	.73	.88	.99	31.8	9.3	2.49	.75	.90	1.00	30.0	8.8	2.83	.77	.93	1.00	28.2	8.3	3.23	.79	.95	1.00
	1200	565	34.4	10.1	2.20	.78	.93	1.00	32.7	9.6	2.49	.80	.96	1.00	31.0	9.1	2.83	.82	.98	1.00	29.1	8.5	3.23	.85	1.00	1.00
	1400	660	35.3	10.3	2.20	.82	.98	1.00	33.6	9.8	2.49	.84	.99	1.00	31.9	9.3	2.84	.87	1.00	1.00	30.1	8.8	3.24	.90	1.00	1.00
67°F (19°C)	1000	470	35.4	10.4	2.20	.57	.71	.85	33.7	9.9	2.50	.58	.72	.87	31.8	9.3	2.84	.59	.74	.89	29.7	8.7	3.24	.60	.77	.93
	1200	565	36.2	10.6	2.20	.60	.75	.91	34.4	10.1	2.50	.61	.77	.93	32.5	9.5	2.84	.62	.80	.95	30.3	8.9	3.24	.64	.83	.98
	1400	660	36.8	10.8	2.21	.62	.80	.96	35.0	10.3	2.50	.64	.82	.98	33.0	9.7	2.85	.65	.85	.99	30.8	9.0	3.24	.68	.88	1.00
71°F (22°C)	1000	470	37.7	11.0	2.21	.42	.55	.68	35.9	10.5	2.51	.43	.56	.70	33.8	9.9	2.85	.43	.58	.72	31.6	9.3	3.25	.44	.59	.75
	1200	565	38.5	11.3	2.21	.43	.58	.73	36.6	10.7	2.51	.44	.59	.75	34.5	10.1	2.86	.44	.61	.78	32.2	9.4	3.25	.45	.63	.81
	1400	660	39.1	11.5	2.22	.44	.61	.78	37.1	10.9	2.52	.45	.63	.80	35.0	10.3	2.86	.46	.64	.83	32.6	9.6	3.26	.47	.67	.86

HP32-30 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
800	380	36.2	10.6	2.35	29.4	8.6	2.25	22.6	6.6	2.16	15.4	4.5	1.91	7.9	2.3	1.47					
1000	470	36.0	10.6	2.05	29.2	8.6	1.95	22.4	6.6	1.86	15.2	4.5	1.61	7.7	2.3	1.17					
1200	565	37.1	10.9	2.10	30.3	8.9	2.00	23.5	6.9	1.92	16.3	4.8	1.67	8.8	2.6	1.23					

HP32-36 - CB29M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	43.3	12.7	2.92	35.3	10.3	2.74	27.3	8.0	2.56	18.7	5.5	2.29	9.4	2.8	1.70					
1200	565	43.4	12.7	2.79	35.4	10.4	2.62	27.4	8.0	2.44	18.8	5.5	2.17	9.5	2.8	1.58					
1400	660	44.1	12.9	2.68	36.1	10.6	2.50	28.1	8.2	2.32	19.5	5.7	2.05	10.2	3.0	1.46					

HP32-30 - CH23-65 HEATING PERFORMANCE at 1000 cfm (472 L/s) Indoor Coil Air Volume

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

HP32-36 - CB29M-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CB29M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.9	10.2	2.21	.73	.87	.99	33.2	9.7	2.50	.74	.89	1.00	31.4	9.2	2.84	.76	.92	1.00	29.4	8.6	3.25	.79	.95	1.00
	1200	565	36.0	10.6	2.21	.77	.93	1.00	34.2	10.0	2.51	.79	.95	1.00	32.4	9.5	2.85	.81	.98	1.00	30.4	8.9	3.25	.84	1.00	1.00
	1400	660	36.9	10.8	2.21	.82	.98	1.00	35.2	10.3	2.51	.84	.99	1.00	33.4	9.8	2.85	.86	1.00	1.00	31.5	9.2	3.26	.90	1.00	1.00
67°F (19°C)	1000	470	37.1	10.9	2.22	.57	.70	.84	35.3	10.3	2.51	.57	.72	.86	33.3	9.8	2.86	.59	.74	.89	31.1	9.1	3.26	.60	.76	.92
	1200	565	38.0	11.1	2.22	.59	.75	.90	36.1	10.6	2.52	.60	.77	.92	34.1	10.0	2.86	.62	.79	.95	31.8	9.3	3.26	.64	.82	.98
	1400	660	38.7	11.3	2.23	.62	.79	.95	36.8	10.8	2.52	.63	.82	.97	34.6	10.1	2.87	.65	.84	.99	32.4	9.5	3.27	.67	.88	1.00
71°F (22°C)	1000	470	39.6	11.6	2.23	.42	.55	.68	37.6	11.0	2.53	.42	.56	.69	35.5	10.4	2.87	.43	.57	.71	33.2	9.7	3.28	.43	.59	.74
	1200	565	40.5	11.9	2.23	.43	.58	.72	38.5	11.3	2.53	.43	.59	.74	36.2	10.6	2.88	.44	.61	.77	33.9	9.9	3.28	.45	.62	.80
	1400	660	41.2	12.1	2.24	.44	.61	.77	39.0	11.4	2.54	.45	.62	.80	36.8	10.8	2.88	.46	.64	.82	34.3	10.1	3.28	.46	.66	.86

HP32-36 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.3	10.1	2.21	.73	.87	.99	32.6	9.6	2.51	.75	.90	1.00	30.9	9.1	2.85	.77	.92	1.00	28.9	8.5	3.26	.79	.95	1.00
	1200	565	35.4	10.4	2.22	.78	.93	1.00	33.6	9.8	2.52	.80	.95	1.00	31.8	9.3	2.86	.82	.97	1.00	29.9	8.8	3.26	.85	1.00	1.00
	1400	660	36.3	10.6	2.22	.82	.98	1.00	34.6	10.1	2.52	.84	.99	1.00	32.9	9.6	2.86	.87	1.00	1.00	31.0	9.1	3.27	.90	1.00	1.00
67°F (19°C)	1000	470	36.5	10.7	2.23	.57	.71	.84	34.7	10.2	2.52	.58	.72	.86	32.8	9.6	2.87	.59	.74	.88	30.7	9.0	3.27	.61	.77	.92
	1200	565	37.5	11.0	2.23	.60	.75	.90	35.6	10.4	2.53	.61	.77	.92	33.5	9.8	2.88	.62	.80	.95	31.4	9.2	3.27	.64	.82	.97
	1400	660	38.2	11.2	2.24	.62	.80	.95	36.2	10.6	2.53	.64	.82	.97	34.2	10.0	2.88	.65	.85	.99	31.9	9.3	3.28	.67	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.24	.43	.55	.68	37.1	10.9	2.53	.43	.56	.70	35.0	10.3	2.88	.43	.58	.72	32.8	9.6	3.29	.44	.59	.74
	1200	565	39.9	11.7	2.24	.44	.58	.73	37.9	11.1	2.54	.44	.60	.75	35.7	10.5	2.89	.45	.61	.77	33.4	9.8	3.29	.46	.63	.80
	1400	660	40.6	11.9	2.25	.45	.61	.78	38.6	11.3	2.54	.45	.62	.80	36.3	10.6	2.89	.46	.64	.82	33.9	9.9	3.29	.47	.67	.85

HP32-36 - CB29M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	42.2	12.4	2.57	34.4	10.1	2.43	26.6	7.8	2.28	18.2	5.3	2.05	9.1	2.7	1.52				
1200	565	42.3	12.4	2.46	34.5	10.1	2.32	26.7	7.8	2.17	18.3	5.4	1.94	9.2	2.7	1.41				
1400	660	43.1	12.6	2.35	35.3	10.3	2.21	27.5	8.1	2.06	19.1	5.6	1.83	10.0	2.9	1.30				

HP32-36 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	41.4	12.1	2.54	33.4	9.8	2.38	25.5	7.5	2.23	17.3	5.1	1.99	8.5	2.5	1.49				
1200	565	41.9	12.3	2.41	33.9	9.9	2.25	26.0	7.6	2.10	17.8	5.2	1.86	9.0	2.6	1.36				
1400	660	42.2	12.4	2.32	34.2	10.0	2.16	26.3	7.7	2.01	18.1	5.3	1.77	9.3	2.7	1.27				

HP32-36 - CB29M-46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CB31MV-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CB30M-31 — CB30U-31 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.0	10.3	2.21	.73	.87	.99	33.3	9.8	2.50	.74	.89	1.00	31.5	9.2	2.84	.76	.92	1.00	29.5	8.6	3.25	.79	.95	1.00
	1200	565	36.1	10.6	2.21	.77	.93	1.00	34.3	10.1	2.51	.79	.95	1.00	32.5	9.5	2.85	.82	.98	1.00	30.5	8.9	3.25	.84	1.00	1.00
	1400	660	37.0	10.8	2.21	.81	.98	1.00	35.3	10.3	2.51	.84	.99	1.00	33.5	9.8	2.85	.86	1.00	1.00	31.6	9.3	3.26	.90	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.22	.57	.70	.84	35.4	10.4	2.51	.58	.72	.86	33.4	9.8	2.86	.59	.74	.89	31.2	9.1	3.26	.60	.76	.92
	1200	565	38.1	11.2	2.22	.59	.75	.90	36.2	10.6	2.52	.60	.77	.92	34.2	10.0	2.86	.62	.79	.95	31.9	9.3	3.26	.63	.82	.98
	1400	660	38.8	11.4	2.23	.62	.79	.95	36.9	10.8	2.52	.63	.81	.97	34.7	10.2	2.87	.65	.84	.99	32.5	9.5	3.27	.67	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.23	.42	.55	.68	37.7	11.0	2.53	.43	.56	.69	35.6	10.4	2.87	.43	.57	.71	33.3	9.8	3.28	.43	.59	.74
	1200	565	40.6	11.9	2.23	.43	.58	.73	38.6	11.3	2.53	.44	.59	.74	36.3	10.6	2.88	.44	.61	.77	34.0	10.0	3.28	.45	.62	.80
	1400	660	41.3	12.1	2.24	.44	.61	.77	39.2	11.5	2.54	.45	.62	.79	36.9	10.8	2.88	.45	.64	.82	34.4	10.1	3.28	.46	.66	.86

HP32-36 — CB29M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	35.5	10.4	2.22	.73	.87	.99	33.8	9.9	2.52	.75	.89	1.00	32.0	9.4	2.87	.77	.92	1.00	30.0	8.8	3.28	.79	.95	1.00
	1200	565	36.6	10.7	2.23	.78	.93	1.00	34.8	10.2	2.53	.79	.95	1.00	33.0	9.7	2.88	.82	.97	1.00	31.1	9.1	3.28	.84	.99	1.00
	1400	660	37.5	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	.99	1.00	34.1	10.0	2.88	.87	1.00	1.00	32.2	9.4	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.8	11.1	2.23	.57	.71	.84	35.9	10.5	2.53	.58	.72	.86	33.9	9.9	2.88	.59	.74	.89	31.8	9.3	3.29	.60	.77	.91
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.8	10.8	2.54	.61	.77	.92	34.7	10.2	2.89	.62	.80	.95	32.6	9.6	3.29	.64	.82	.98
	1400	660	39.5	11.6	2.25	.62	.80	.95	37.5	11.0	2.54	.64	.82	.97	35.4	10.4	2.89	.65	.84	.99	33.1	9.7	3.30	.67	.88	1.00
71°F (22°C)	1000	470	40.3	11.8	2.25	.43	.56	.68	38.4	11.3	2.55	.43	.57	.70	36.3	10.6	2.90	.44	.58	.72	34.0	10.0	3.31	.44	.59	.74
	1200	565	41.3	12.1	2.25	.44	.58	.73	39.2	11.5	2.56	.44	.59	.75	37.0	10.8	2.91	.45	.61	.77	34.7	10.2	3.31	.45	.63	.80
	1400	660	41.9	12.3	2.26	.45	.61	.78	39.9	11.7	2.56	.45	.63	.80	37.6	11.0	2.91	.46	.64	.82	35.2	10.3	3.32	.47	.66	.86

HP32-36 - CB30M-31 — CB30U-31 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	41.9	12.3	2.57	34.1	10.0	2.43	26.2	7.7	2.28	17.9	5.2	2.05	9.0	2.6	1.52
1200	565	42.0	12.3	2.46	34.2	10.0	2.32	26.3	7.7	2.17	18.0	5.3	1.94	9.1	2.7	1.41
1400	660	42.8	12.5	2.35	35.0	10.3	2.21	27.1	7.9	2.06	18.8	5.5	1.83	9.9	2.9	1.30

HP32-36 - CB29M-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.4	12.4	2.63	34.6	10.1	2.48	26.8	7.9	2.33	18.4	5.4	2.10	9.2	2.7	1.55
1200	565	42.5	12.5	2.51	34.7	10.2	2.36	26.9	7.9	2.21	18.5	5.4	1.98	9.3	2.7	1.43
1400	660	43.2	12.7	2.40	35.4	10.4	2.25	27.6	8.1	2.10	19.2	5.6	1.87	10.0	2.9	1.32

HP32-36 - CB30M-31/CB30U-31 HEATING PERFORMANCE AT 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CB29M-51 HEATING PERFORMANCE AT 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CB30M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.1	10.3	2.21	.74	.88	1.00	33.3	9.8	2.50	.75	.90	1.00	31.3	9.2	2.85	.78	.93	1.00	29.3	8.6	3.25	.80	.97	1.00
	1200	565	36.2	10.6	2.22	.79	.95	1.00	34.4	10.1	2.51	.81	.97	1.00	32.4	9.5	2.85	.83	1.00	1.00	30.5	8.9	3.26	.86	1.00	1.00
	1400	660	37.3	10.9	2.22	.83	1.00	1.00	35.5	10.4	2.52	.86	1.00	1.00	33.7	9.9	2.86	.88	1.00	1.00	31.7	9.3	3.26	.92	1.00	1.00
67°F (19°C)	1000	470	37.5	11.0	2.22	.58	.71	.85	35.5	10.4	2.52	.59	.73	.87	33.5	9.8	2.86	.60	.75	.90	31.2	9.1	3.26	.61	.78	.93
	1200	565	38.6	11.3	2.23	.60	.76	.91	36.5	10.7	2.53	.61	.78	.94	34.3	10.1	2.87	.63	.81	.97	32.0	9.4	3.27	.65	.84	1.00
	1400	660	39.3	11.5	2.24	.63	.81	.97	37.2	10.9	2.53	.65	.83	1.00	35.0	10.3	2.87	.67	.86	1.00	32.6	9.6	3.28	.69	.90	1.00
71°F (22°C)	1000	470	40.1	11.8	2.24	.43	.56	.69	38.0	11.1	2.54	.44	.57	.70	35.8	10.5	2.88	.44	.58	.73	33.4	9.8	3.28	.44	.60	.75
	1200	565	41.2	12.1	2.25	.44	.59	.74	39.0	11.4	2.54	.45	.60	.76	36.7	10.8	2.89	.45	.62	.78	34.2	10.0	3.29	.46	.63	.81
	1400	660	42.0	12.3	2.25	.45	.62	.79	39.7	11.6	2.55	.46	.64	.81	37.3	10.9	2.89	.47	.65	.84	34.7	10.2	3.29	.47	.68	.88

HP32-36 — CB30M-41 — CB30U-41/46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.5	10.4	2.22	.73	.87	.99	33.8	9.9	2.52	.75	.89	1.00	32.0	9.4	2.87	.77	.92	1.00	30.0	8.8	3.28	.79	.95	1.00
	1200	565	36.6	10.7	2.23	.78	.93	1.00	34.8	10.2	2.53	.79	.95	1.00	33.0	9.7	2.88	.82	.97	1.00	31.1	9.1	3.28	.84	.99	1.00
	1400	660	37.5	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	.99	1.00	34.1	10.0	2.88	.87	1.00	1.00	32.2	9.4	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.8	11.1	2.23	.57	.71	.84	35.9	10.5	2.53	.58	.72	.86	33.9	9.9	2.88	.59	.74	.89	31.8	9.3	3.29	.60	.77	.91
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.8	10.8	2.54	.61	.77	.92	34.7	10.2	2.89	.62	.80	.95	32.6	9.6	3.29	.64	.82	.98
	1400	660	39.5	11.6	2.25	.62	.80	.95	37.5	11.0	2.54	.64	.82	.97	35.4	10.4	2.89	.65	.84	.99	33.1	9.7	3.30	.67	.88	1.00
71°F (22°C)	1000	470	40.3	11.8	2.25	.43	.56	.68	38.4	11.3	2.55	.43	.57	.70	36.3	10.6	2.90	.44	.58	.72	34.0	10.0	3.31	.44	.59	.74
	1200	565	41.3	12.1	2.25	.44	.58	.73	39.2	11.5	2.56	.44	.59	.75	37.0	10.8	2.90	.45	.61	.77	34.7	10.2	3.31	.45	.63	.80
	1400	660	41.9	12.3	2.26	.45	.61	.78	39.9	11.7	2.56	.45	.63	.80	37.6	11.0	2.91	.46	.64	.82	35.2	10.3	3.32	.47	.66	.86

HP32-36 - CB30M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1000	470	42.1	12.3	2.54	34.1	10.0	2.39	26.2	7.7	2.25	17.8	5.2	2.02	9.0	2.6	1.50				
1200	565	42.2	12.4	2.42	34.2	10.0	2.28	26.3	7.7	2.13	17.9	5.2	1.90	9.1	2.7	1.38				
1400	660	42.9	12.6	2.32	34.9	10.2	2.18	27.0	7.9	2.03	18.6	5.5	1.80	9.8	2.9	1.28				

HP32-36 - CB30M-41 — CB30U-41/46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1000	470	42.2	12.4	2.55	34.3	10.1	2.41	26.4	7.7	2.26	17.9	5.2	2.03	9.0	2.6	1.50				
1200	565	42.3	12.4	2.44	34.4	10.1	2.30	26.5	7.8	2.15	18.0	5.3	1.92	9.1	2.7	1.39				
1400	660	43.0	12.6	2.33	35.1	10.3	2.18	27.2	8.0	2.03	18.7	5.5	1.80	9.8	2.9	1.28				

HP32-36 - CB30M-46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CB30M-41/CB30U-41/46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CVP10-31/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.3	10.1	2.24	.73	.87	.98	32.7	9.6	2.54	.75	.89	.99	31.0	9.1	2.89	.76	.91	1.00	29.2	8.6	3.30	.78	.94	1.00
	1200	565	35.4	10.4	2.24	.78	.92	1.00	33.8	9.9	2.54	.79	.94	1.00	32.0	9.4	2.89	.81	.97	1.00	30.2	8.9	3.30	.84	.99	1.00
	1400	660	36.3	10.6	2.24	.82	.97	1.00	34.7	10.2	2.54	.84	.99	1.00	33.0	9.7	2.90	.86	1.00	1.00	31.3	9.2	3.30	.89	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.24	.57	.71	.84	34.7	10.2	2.55	.58	.72	.86	32.9	9.6	2.90	.59	.74	.88	31.0	9.1	3.30	.60	.76	.91
	1200	565	37.4	11.0	2.25	.60	.75	.90	35.6	10.4	2.55	.61	.77	.92	33.7	9.9	2.90	.62	.79	.94	31.7	9.3	3.31	.64	.82	.97
	1400	660	38.1	11.2	2.25	.62	.80	.95	36.3	10.6	2.56	.64	.82	.96	34.4	10.1	2.91	.65	.84	.99	32.3	9.5	3.32	.67	.87	1.00
71°F (22°C)	1000	470	38.9	11.4	2.26	.43	.55	.68	37.1	10.9	2.56	.43	.56	.70	35.1	10.3	2.91	.43	.58	.72	33.1	9.7	3.32	.44	.59	.74
	1200	565	39.8	11.7	2.26	.44	.58	.73	37.9	11.1	2.56	.44	.59	.75	35.9	10.5	2.92	.45	.61	.77	33.8	9.9	3.33	.45	.62	.79
	1400	660	40.5	11.9	2.27	.45	.61	.77	38.6	11.3	2.57	.45	.62	.80	36.5	10.7	2.92	.46	.64	.82	34.2	10.0	3.33	.46	.66	.85

HP32-36 — CVP10-41/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.3	10.1	2.22	.73	.87	.99	32.6	9.6	2.51	.75	.90	1.00	30.9	9.1	2.86	.77	.92	1.00	28.9	8.5	3.26	.79	.95	1.00
	1200	565	35.4	10.4	2.22	.78	.93	1.00	33.7	9.9	2.52	.80	.95	1.00	31.9	9.3	2.87	.82	.97	1.00	29.9	8.8	3.27	.85	1.00	1.00
	1400	660	36.4	10.7	2.23	.82	.98	1.00	34.7	10.2	2.52	.84	.99	1.00	32.9	9.6	2.87	.87	1.00	1.00	31.0	9.1	3.27	.90	1.00	1.00
67°F (19°C)	1000	470	36.5	10.7	2.23	.57	.71	.84	34.7	10.2	2.52	.58	.72	.86	32.8	9.6	2.87	.59	.74	.88	30.7	9.0	3.27	.61	.77	.92
	1200	565	37.5	11.0	2.23	.60	.75	.90	35.6	10.4	2.53	.61	.77	.92	33.6	9.8	2.88	.62	.79	.95	31.4	9.2	3.28	.64	.82	.97
	1400	660	38.2	11.2	2.23	.63	.80	.95	36.3	10.6	2.54	.64	.82	.97	34.2	10.0	2.88	.65	.85	.99	32.0	9.4	3.28	.68	.88	1.00
71°F (22°C)	1000	470	39.0	11.4	2.24	.43	.55	.68	37.1	10.9	2.54	.43	.56	.70	35.0	10.3	2.88	.43	.58	.72	32.8	9.6	3.29	.44	.59	.74
	1200	565	39.9	11.7	2.24	.44	.58	.73	38.0	11.1	2.54	.44	.59	.75	35.8	10.5	2.89	.45	.61	.77	33.4	9.8	3.29	.46	.63	.80
	1400	660	40.6	11.9	2.25	.45	.61	.78	38.6	11.3	2.55	.45	.63	.80	36.3	10.6	2.89	.46	.64	.83	33.9	9.9	3.30	.47	.67	.86

HP32-36 - CVP10-31/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1000	470	43.1	12.6	2.75	35.0	10.3	2.57	26.9	7.9	2.41	18.5	5.4	2.13	9.1	2.7	1.59					
1200	565	43.6	12.8	2.61	35.5	10.4	2.43	27.4	8.0	2.27	19.0	5.6	1.99	9.6	2.8	1.45					
1400	660	43.9	12.9	2.51	35.8	10.5	2.34	27.7	8.1	2.17	19.3	5.7	1.90	9.9	2.9	1.36					

HP32-36 - CVP10-41/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW									
1000	470	41.9	12.3	2.55	34.1	10.0	2.40	26.2	7.7	2.26	18.1	5.3	2.01	8.9	2.6	1.49					
1200	565	42.4	12.4	2.43	34.6	10.1	2.28	26.7	7.8	2.13	18.6	5.5	1.88	9.4	2.8	1.37					
1400	660	42.7	12.5	2.34	34.9	10.2	2.19	27.0	7.9	2.04	18.9	5.5	1.79	9.7	2.8	1.28					

HP32-36 - CVP10-31/EC10Q3 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CVP10-41/EC10Q3 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — C26-31 - C33-38A/B COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.1	10.0	2.22	.72	.86	.99	32.5	9.5	2.52	.73	.88	1.00	30.8	9.0	2.87	.74	.91	1.00	29.0	8.5	3.27	.77	.94	1.00
	1200	565	35.1	10.3	2.23	.76	.92	1.00	33.5	9.8	2.53	.78	.95	1.00	31.8	9.3	2.88	.80	.97	1.00	29.9	8.8	3.28	.83	.99	1.00
	1400	660	36.0	10.6	2.23	.80	.97	1.00	34.4	10.1	2.53	.82	.99	1.00	32.7	9.6	2.88	.85	1.00	1.00	30.9	9.1	3.29	.88	1.00	1.00
67°F (19°C)	1000	470	36.2	10.6	2.23	.56	.69	.83	34.5	10.1	2.53	.57	.71	.85	32.7	9.6	2.88	.58	.72	.87	30.7	9.0	3.29	.59	.74	.91
	1200	565	37.1	10.9	2.24	.58	.73	.89	35.3	10.3	2.54	.59	.75	.91	33.4	9.8	2.89	.60	.77	.94	31.3	9.2	3.30	.62	.80	.97
	1400	660	37.8	11.1	2.24	.61	.78	.94	36.0	10.6	2.54	.62	.80	.97	34.0	10.0	2.89	.64	.83	.99	31.9	9.3	3.30	.65	.86	1.00
71°F (22°C)	1000	470	38.6	11.3	2.25	.41	.54	.67	36.8	10.8	2.55	.42	.55	.68	34.8	10.2	2.89	.42	.56	.70	32.7	9.6	3.30	.43	.58	.72
	1200	565	39.5	11.6	2.25	.42	.57	.71	37.6	11.0	2.55	.43	.58	.73	35.6	10.4	2.90	.43	.59	.75	33.3	9.8	3.31	.44	.61	.78
	1400	660	40.2	11.8	2.25	.43	.60	.76	38.2	11.2	2.55	.44	.61	.78	36.1	10.6	2.91	.45	.62	.80	33.8	9.9	3.31	.45	.65	.84

HP32-36 — C26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	35.1	10.3	2.23	.74	.88	.99	33.4	9.8	2.53	.75	.90	1.00	31.6	9.3	2.87	.77	.92	1.00	29.6	8.7	3.28	.80	.95	1.00
	1200	565	36.2	10.6	2.23	.78	.94	1.00	34.5	10.1	2.53	.80	.96	1.00	32.6	9.6	2.88	.83	.98	1.00	30.7	9.0	3.28	.85	1.00	1.00
	1400	660	37.2	10.9	2.24	.83	.98	1.00	35.5	10.4	2.53	.85	.99	1.00	33.7	9.9	2.88	.87	1.00	1.00	31.8	9.3	3.29	.91	1.00	1.00
67°F (19°C)	1000	470	37.3	10.9	2.24	.57	.71	.85	35.5	10.4	2.54	.58	.73	.87	33.5	9.8	2.88	.59	.75	.89	31.3	9.2	3.29	.61	.77	.92
	1200	565	38.2	11.2	2.24	.60	.76	.91	36.3	10.6	2.54	.61	.78	.93	34.3	10.1	2.89	.63	.80	.96	32.1	9.4	3.29	.64	.83	.98
	1400	660	38.9	11.4	2.25	.63	.81	.96	37.0	10.8	2.55	.64	.83	.98	34.9	10.2	2.90	.66	.85	1.00	32.7	9.6	3.30	.68	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.43	.56	.69	37.8	11.1	2.55	.43	.57	.70	35.7	10.5	2.90	.44	.58	.72	33.5	9.8	3.30	.44	.59	.75
	1200	565	40.7	11.9	2.25	.44	.59	.74	38.7	11.3	2.55	.44	.60	.76	36.5	10.7	2.90	.45	.61	.78	34.1	10.0	3.31	.45	.63	.81
	1400	660	41.4	12.1	2.26	.45	.62	.79	39.3	11.5	2.56	.46	.63	.81	37.0	10.8	2.91	.46	.65	.83	34.6	10.1	3.31	.47	.67	.86

HP32-36 - C26-31 - C33-38A/B HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1000	470	41.7	12.2	2.69	34.0	10.0	2.56	26.3	7.7	2.45	18.1	5.3	2.13	9.1	2.7	1.61
1200	565	41.8	12.3	2.48	34.1	10.0	2.36	26.4	7.7	2.25	18.2	5.3	1.93	9.2	2.7	1.40
1400	660	42.2	12.4	2.40	34.5	10.1	2.27	26.8	7.9	2.16	18.6	5.5	1.84	9.6	2.8	1.32

HP32-36 - C26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1000	470	42.2	12.4	2.58	34.3	10.1	2.43	26.4	7.7	2.27	18.0	5.3	2.04	9.1	2.7	1.51
1200	565	42.2	12.4	2.47	34.3	10.1	2.31	26.4	7.7	2.16	18.0	5.3	1.92	9.1	2.7	1.40
1400	660	42.9	12.6	2.36	35.0	10.3	2.21	27.1	7.9	2.05	18.7	5.5	1.82	9.8	2.9	1.29

HP32-36 - C26-31 - C33-38A/B HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - C26-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — C26-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	1000	470	35.4	10.4	2.22	.73	.87	.99	33.7	9.9	2.51	.74	.89	1.00	31.8	9.3	2.86	.76	.92	1.00	29.8	8.7	3.27	.79	.95	1.00
	1200	565	36.5	10.7	2.22	.77	.93	1.00	34.8	10.2	2.52	.79	.96	1.00	32.9	9.6	2.87	.82	.98	1.00	30.9	9.1	3.27	.85	1.00	1.00
	1400	660	37.6	11.0	2.23	.82	.98	1.00	35.8	10.5	2.53	.84	1.00	1.00	34.0	10.0	2.87	.87	1.00	1.00	32.1	9.4	3.28	.90	1.00	1.00
67°F (19°C)	1000	470	37.7	11.0	2.23	.57	.70	.84	35.8	10.5	2.53	.58	.72	.86	33.8	9.9	2.88	.59	.74	.89	31.6	9.3	3.28	.60	.76	.92
	1200	565	38.7	11.3	2.24	.60	.75	.90	36.7	10.8	2.53	.61	.77	.92	34.6	10.1	2.88	.62	.79	.96	32.4	9.5	3.28	.64	.82	.98
	1400	660	39.4	11.5	2.24	.62	.80	.96	37.4	11.0	2.54	.64	.82	.98	35.2	10.3	2.88	.65	.85	1.00	33.0	9.7	3.29	.67	.88	1.00
71°F (22°C)	1000	470	40.2	11.8	2.24	.42	.55	.68	38.2	11.2	2.54	.43	.56	.69	36.1	10.6	2.89	.43	.57	.71	33.8	9.9	3.29	.44	.59	.74
	1200	565	41.2	12.1	2.25	.43	.58	.73	39.1	11.5	2.55	.44	.59	.75	36.9	10.8	2.89	.44	.61	.77	34.4	10.1	3.30	.45	.63	.80
	1400	660	41.9	12.3	2.25	.44	.61	.78	39.7	11.6	2.55	.45	.63	.80	37.5	11.0	2.90	.46	.64	.83	35.0	10.3	3.30	.46	.66	.86

HP32-36 — CR26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	1000	470	34.9	10.2	2.20	.73	.87	.99	33.2	9.7	2.49	.75	.90	1.00	31.3	9.2	2.84	.77	.93	1.00	29.4	8.6	3.24	.79	.95	1.00
	1200	565	35.9	10.5	2.20	.78	.93	1.00	34.2	10.0	2.50	.79	.96	1.00	32.3	9.5	2.84	.82	.98	1.00	30.4	8.9	3.24	.85	1.00	1.00
	1400	660	36.9	10.8	2.21	.82	.98	1.00	35.2	10.3	2.50	.84	.99	1.00	33.4	9.8	2.84	.87	1.00	1.00	31.5	9.2	3.25	.90	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.21	.57	.71	.84	35.2	10.3	2.51	.58	.72	.86	33.2	9.7	2.85	.59	.75	.89	31.1	9.1	3.25	.61	.77	.92
	1200	565	38.0	11.1	2.21	.60	.75	.90	36.1	10.6	2.51	.61	.77	.93	34.0	10.0	2.85	.62	.80	.95	31.7	9.3	3.26	.64	.83	.98
	1400	660	38.7	11.3	2.22	.62	.80	.95	36.7	10.8	2.51	.64	.82	.97	34.6	10.1	2.86	.65	.85	.99	32.3	9.5	3.26	.68	.88	1.00
71°F (22°C)	1000	470	39.5	11.6	2.22	.42	.55	.68	37.6	11.0	2.52	.43	.56	.70	35.5	10.4	2.86	.43	.57	.72	33.2	9.7	3.26	.44	.59	.75
	1200	565	40.4	11.8	2.22	.43	.58	.73	38.4	11.3	2.52	.44	.60	.75	36.2	10.6	2.86	.44	.61	.77	33.8	9.9	3.27	.45	.63	.80
	1400	660	41.1	12.0	2.23	.44	.61	.78	39.0	11.4	2.52	.45	.62	.80	36.7	10.8	2.87	.46	.64	.83	34.2	10.0	3.27	.46	.67	.86

HP32-36 - C26-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	40.6	11.9	2.49	32.9	9.6	2.36	25.3	7.4	2.23	17.2	5.0	2.01	8.4	2.5	1.49
1200	565	41.1	12.0	2.38	33.4	9.8	2.25	25.8	7.6	2.12	17.7	5.2	1.90	8.9	2.6	1.38
1400	660	41.8	12.3	2.28	34.1	10.0	2.15	26.5	7.8	2.02	18.4	5.4	1.80	9.6	2.8	1.28

HP32-36 - CR26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	43.2	12.7	2.67	35.1	10.3	2.52	27.0	7.9	2.36	18.3	5.4	2.12	8.9	2.6	1.56
1200	565	43.9	12.9	2.58	35.8	10.5	2.42	27.7	8.1	2.27	19.0	5.6	2.02	9.6	2.8	1.47
1400	660	43.9	12.9	2.45	35.8	10.5	2.30	27.7	8.1	2.14	19.0	5.6	1.90	9.6	2.8	1.34

HP32-36 - C26-46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CR26-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CR26-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.9	10.2	2.22	.71	.85	.98	33.2	9.7	2.52	.72	.87	1.00	31.5	9.2	2.86	.74	.90	1.00	29.5	8.6	3.27	.77	.93	1.00
	1200	565	36.0	10.6	2.22	.75	.91	1.00	34.2	10.0	2.53	.77	.93	1.00	32.4	9.5	2.87	.79	.96	1.00	30.5	8.9	3.28	.82	.99	1.00
	1400	660	36.9	10.8	2.23	.79	.96	1.00	35.1	10.3	2.53	.81	.98	1.00	33.3	9.8	2.88	.84	1.00	1.00	31.5	9.2	3.28	.87	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.23	.56	.68	.82	35.4	10.4	2.53	.56	.70	.84	33.5	9.8	2.88	.57	.72	.87	31.4	9.2	3.29	.59	.74	.89
	1200	565	38.2	11.2	2.24	.58	.73	.87	36.3	10.6	2.54	.59	.75	.90	34.3	10.1	2.89	.60	.77	.93	32.1	9.4	3.29	.62	.80	.96
	1400	660	38.9	11.4	2.24	.60	.77	.93	37.0	10.8	2.54	.61	.79	.95	34.9	10.2	2.89	.63	.82	.98	32.7	9.6	3.29	.65	.85	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.42	.54	.66	37.9	11.1	2.54	.42	.55	.67	35.8	10.5	2.89	.42	.56	.69	33.6	9.8	3.30	.43	.57	.71
	1200	565	40.7	11.9	2.25	.43	.56	.70	38.7	11.3	2.55	.43	.57	.72	36.6	10.7	2.90	.43	.59	.74	34.3	10.1	3.30	.44	.61	.77
	1400	660	41.5	12.2	2.26	.43	.59	.74	39.4	11.5	2.56	.44	.60	.77	37.2	10.9	2.90	.45	.62	.79	34.8	10.2	3.31	.45	.64	.83

HP32-36 — CH33-36A-F - CH23-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1000	470	34.2	10.0	2.22	.73	.87	.99	32.5	9.5	2.52	.74	.90	1.00	30.7	9.0	2.87	.76	.93	1.00	28.8	8.4	3.27	.79	.95	1.00
	1200	565	35.2	10.3	2.23	.77	.94	1.00	33.6	9.8	2.52	.79	.96	1.00	31.7	9.3	2.87	.82	.98	1.00	29.9	8.8	3.28	.85	1.00	1.00
	1400	660	36.2	10.6	2.23	.82	.98	1.00	34.5	10.1	2.53	.84	1.00	1.00	32.8	9.6	2.88	.87	1.00	1.00	30.9	9.1	3.28	.90	1.00	1.00
67°F (19°C)	1000	470	36.2	10.6	2.23	.57	.70	.84	34.5	10.1	2.53	.57	.72	.86	32.5	9.5	2.88	.59	.74	.89	30.4	8.9	3.28	.60	.76	.93
	1200	565	37.2	10.9	2.24	.59	.75	.90	35.3	10.3	2.53	.60	.77	.93	33.3	9.8	2.88	.62	.79	.95	31.1	9.1	3.29	.64	.83	.99
	1400	660	37.9	11.1	2.24	.62	.80	.96	35.9	10.5	2.54	.64	.82	.98	33.9	9.9	2.89	.65	.85	1.00	31.6	9.3	3.29	.67	.88	1.00
71°F (22°C)	1000	470	38.6	11.3	2.24	.42	.55	.68	36.7	10.8	2.54	.42	.56	.70	34.7	10.2	2.89	.43	.57	.71	32.4	9.5	3.29	.43	.59	.74
	1200	565	39.5	11.6	2.25	.43	.58	.73	37.5	11.0	2.55	.44	.59	.75	35.4	10.4	2.89	.44	.61	.77	33.0	9.7	3.30	.45	.63	.80
	1400	660	40.2	11.8	2.25	.44	.61	.77	38.1	11.2	2.55	.45	.63	.80	35.9	10.5	2.90	.45	.64	.83	33.5	9.8	3.30	.46	.66	.86

HP32-36 - CR26-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	42.6	12.5	2.65	34.7	10.2	2.50	26.8	7.9	2.35	18.3	5.4	2.11	9.2	2.7	1.56				
1200	565	42.7	12.5	2.53	34.8	10.2	2.38	26.9	7.9	2.23	18.4	5.4	1.99	9.3	2.7	1.45				
1400	660	43.4	12.7	2.42	35.5	10.4	2.27	27.6	8.1	2.12	19.1	5.6	1.88	10.0	2.9	1.34				

HP32-36 - CH33-36A-F - CH23-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	42.3	12.4	2.81	34.5	10.1	2.65	26.7	7.8	2.49	18.4	5.4	2.24	9.3	2.7	1.66				
1200	565	42.3	12.4	2.68	34.5	10.1	2.52	26.7	7.8	2.36	18.4	5.4	2.11	9.3	2.7	1.53				
1400	660	43.1	12.6	2.57	35.3	10.3	2.41	27.5	8.1	2.25	19.2	5.6	2.00	10.1	3.0	1.42				

HP32-36 - CR26-51 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CH33-36A-F - CH23-41 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-36 — CH33-42B - CH23-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1000	470	35.1	10.3	2.22	.72	.87	.99	33.4	9.8	2.52	.74	.89	1.00	31.6	9.3	2.87	.76	.92	1.00	29.6	8.7	3.28	.78	.95	1.00
	1200	565	36.2	10.6	2.23	.77	.93	1.00	34.4	10.1	2.53	.79	.96	1.00	32.6	9.6	2.88	.81	.98	1.00	30.7	9.0	3.28	.84	1.00	1.00
	1400	660	37.2	10.9	2.23	.81	.98	1.00	35.5	10.4	2.53	.84	.99	1.00	33.7	9.9	2.88	.86	1.00	1.00	31.8	9.3	3.29	.90	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.24	.56	.70	.84	35.4	10.4	2.53	.57	.71	.86	33.5	9.8	2.88	.58	.73	.88	31.3	9.2	3.29	.60	.76	.92
	1200	565	38.2	11.2	2.24	.59	.75	.90	36.3	10.6	2.54	.60	.76	.92	34.3	10.1	2.89	.62	.79	.95	32.0	9.4	3.29	.63	.82	.98
	1400	660	38.9	11.4	2.25	.62	.79	.95	37.0	10.8	2.55	.63	.82	.98	34.9	10.2	2.89	.65	.84	1.00	32.6	9.6	3.30	.67	.88	1.00
71°F (22°C)	1000	470	39.7	11.6	2.25	.42	.55	.67	37.8	11.1	2.55	.42	.56	.69	35.7	10.5	2.89	.43	.57	.71	33.4	9.8	3.30	.43	.58	.74
	1200	565	40.7	11.9	2.25	.43	.58	.72	38.7	11.3	2.55	.43	.59	.74	36.4	10.7	2.90	.44	.60	.77	34.1	10.0	3.31	.45	.62	.80
	1400	660	41.4	12.1	2.26	.44	.61	.77	39.3	11.5	2.56	.45	.62	.79	37.0	10.8	2.90	.45	.64	.82	34.6	10.1	3.31	.46	.66	.85

HP32-36 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1000	470	35.4	10.4	2.23	.73	.87	.99	33.6	9.8	2.53	.74	.89	1.00	31.8	9.3	2.88	.76	.92	1.00	29.7	8.7	3.29	.79	.95	1.00
	1200	565	36.5	10.7	2.24	.77	.93	1.00	34.7	10.2	2.54	.79	.96	1.00	32.8	9.6	2.89	.82	.98	1.00	30.9	9.1	3.29	.85	1.00	1.00
	1400	660	37.5	11.0	2.24	.82	.98	1.00	35.8	10.5	2.54	.84	1.00	1.00	34.0	10.0	2.89	.87	1.00	1.00	32.1	9.4	3.30	.90	1.00	1.00
67°F (19°C)	1000	470	37.6	11.0	2.24	.57	.70	.84	35.8	10.5	2.55	.58	.72	.86	33.7	9.9	2.89	.59	.74	.89	31.6	9.3	3.30	.60	.76	.92
	1200	565	38.6	11.3	2.25	.60	.75	.90	36.7	10.8	2.55	.61	.77	.93	34.6	10.1	2.90	.62	.79	.96	32.3	9.5	3.30	.64	.82	.98
	1400	660	39.4	11.5	2.25	.62	.80	.96	37.4	11.0	2.55	.64	.82	.98	35.2	10.3	2.90	.65	.85	1.00	32.9	9.6	3.31	.68	.88	1.00
71°F (22°C)	1000	470	40.2	11.8	2.26	.42	.55	.68	38.2	11.2	2.56	.43	.56	.69	36.0	10.6	2.91	.43	.57	.72	33.7	9.9	3.31	.43	.59	.74
	1200	565	41.1	12.0	2.27	.43	.58	.73	39.1	11.5	2.56	.44	.59	.75	36.8	10.8	2.91	.44	.61	.77	34.4	10.1	3.32	.45	.63	.80
	1400	660	41.9	12.3	2.27	.44	.61	.78	39.7	11.6	2.57	.45	.63	.80	37.4	11.0	2.92	.46	.64	.83	34.9	10.2	3.32	.47	.67	.86

HP32-36 - CH33-42B - CH23-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.4	12.4	2.64	34.5	10.1	2.56	26.7	7.8	2.47	18.3	5.4	2.29	9.2	2.7	1.68
1200	565	42.5	12.5	2.52	34.6	10.1	2.44	26.8	7.9	2.35	18.4	5.4	2.17	9.3	2.7	1.56
1400	660	43.2	12.7	2.41	35.3	10.3	2.33	27.5	8.1	2.24	19.1	5.6	2.06	10.0	2.9	1.45

HP32-36 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1000	470	42.0	12.3	2.54	34.3	10.1	2.41	26.6	7.8	2.28	18.3	5.4	2.06	9.2	2.7	1.52
1200	565	42.0	12.3	2.43	34.3	10.1	2.29	26.6	7.8	2.16	18.3	5.4	1.94	9.2	2.7	1.41
1400	660	42.7	12.5	2.33	35.0	10.3	2.19	27.3	8.0	2.06	19.0	5.6	1.84	9.9	2.9	1.31

HP32-36 - CH33-42B - CH23-51 HEATING PERFORMANCE AT 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-36 - CH23-65 HEATING PERFORMANCE AT 1200 cfm (566 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CB29M-46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	40.4	11.8	2.65	.73	.87	.99	38.6	11.3	3.01	.74	.89	1.00	36.8	10.8	3.43	.76	.91	1.00	34.8	10.2	3.92	.78	.94	1.00
	1400	660	41.4	12.1	2.65	.76	.92	1.00	39.6	11.6	3.02	.78	.94	1.00	37.7	11.0	3.44	.80	.96	1.00	35.7	10.5	3.93	.83	.99	1.00
	1600	755	42.3	12.4	2.66	.80	.96	1.00	40.5	11.9	3.02	.82	.98	1.00	38.6	11.3	3.45	.84	.99	1.00	36.7	10.8	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	42.9	12.6	2.66	.57	.70	.84	41.0	12.0	3.03	.58	.72	.86	38.9	11.4	3.45	.59	.74	.88	36.8	10.8	3.94	.60	.76	.91
	1400	660	43.7	12.8	2.67	.59	.74	.89	41.8	12.3	3.04	.60	.76	.91	39.7	11.6	3.46	.61	.78	.93	37.4	11.0	3.95	.62	.80	.96
	1600	755	44.4	13.0	2.67	.61	.78	.93	42.4	12.4	3.04	.62	.80	.95	40.3	11.8	3.46	.64	.82	.98	38.0	11.1	3.96	.65	.85	.99
71°F (22°C)	1200	565	45.7	13.4	2.68	.42	.55	.68	43.6	12.8	3.05	.43	.56	.69	41.5	12.2	3.47	.43	.57	.71	39.2	11.5	3.96	.43	.58	.73
	1400	660	46.5	13.6	2.69	.43	.58	.72	44.4	13.0	3.06	.43	.58	.74	42.2	12.4	3.48	.44	.60	.76	39.8	11.7	3.97	.44	.61	.78
	1600	755	47.2	13.8	2.69	.44	.60	.76	45.0	13.2	3.06	.44	.61	.78	42.7	12.5	3.49	.45	.63	.80	40.2	11.8	3.98	.46	.64	.83

HP32-42 — CB29M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.0	12.0	2.65	.72	.87	.99	39.2	11.5	3.01	.73	.88	1.00	37.3	10.9	3.43	.75	.91	1.00	35.2	10.3	3.92	.77	.94	1.00
	1400	660	42.0	12.3	2.65	.76	.92	1.00	40.2	11.8	3.02	.77	.94	1.00	38.2	11.2	3.44	.79	.96	1.00	36.2	10.6	3.93	.82	.98	1.00
	1600	755	42.9	12.6	2.66	.79	.96	1.00	41.1	12.0	3.03	.81	.98	1.00	39.2	11.5	3.45	.84	.99	1.00	37.2	10.9	3.94	.86	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.67	.56	.69	.83	41.6	12.2	3.03	.57	.71	.85	39.5	11.6	3.46	.58	.72	.88	37.3	10.9	3.94	.59	.74	.91
	1400	660	44.4	13.0	2.67	.58	.73	.88	42.4	12.4	3.04	.59	.75	.90	40.2	11.8	3.47	.60	.77	.93	37.9	11.1	3.96	.62	.80	.96
	1600	755	45.2	13.2	2.67	.60	.77	.93	43.1	12.6	3.05	.61	.79	.95	40.8	12.0	3.47	.63	.82	.98	38.5	11.3	3.96	.64	.84	1.00
71°F (22°C)	1200	565	46.4	13.6	2.69	.42	.54	.67	44.3	13.0	3.05	.42	.55	.68	42.1	12.3	3.48	.42	.56	.70	39.7	11.6	3.97	.43	.58	.72
	1400	660	47.3	13.9	2.69	.42	.57	.71	45.1	13.2	3.06	.43	.58	.73	42.8	12.5	3.49	.43	.59	.75	40.3	11.8	3.98	.44	.60	.77
	1600	755	48.0	14.1	2.69	.43	.59	.75	45.7	13.4	3.07	.44	.60	.77	43.4	12.7	3.50	.44	.62	.79	40.8	12.0	3.98	.45	.64	.82

HP32-42 - CB29M-46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1000	470	48.6	14.2	3.53	39.3	11.5	3.33	30.0	8.8	3.15	20.5	6.0	2.79	10.1	3.0	2.16				
1200	565	49.1	14.4	3.05	39.8	11.7	2.85	30.5	8.9	2.67	21.0	6.2	2.31	10.6	3.1	1.68				
1400	660	49.5	14.5	3.17	40.2	11.8	2.98	30.9	9.1	2.80	21.4	6.3	2.44	11.0	3.2	1.81				

HP32-42 - CB29M-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.33	39.9	11.7	3.15	30.8	9.0	2.98	21.4	6.3	2.63	11.0	3.2	1.99				
1400	660	48.5	14.2	3.05	39.5	11.6	2.87	30.4	8.9	2.71	21.0	6.2	2.35	10.6	3.1	1.71				
1600	755	49.2	14.4	3.06	40.2	11.8	2.88	31.1	9.1	2.72	21.7	6.4	2.36	11.3	3.3	1.72				

HP32-42 - CB29M-46 HEATING PERFORMANCE at 1200 cfm (566 L/s) Indoor Coil Air Volume

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

HP32-42 - CB29M-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CB29M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17°C)	1200	565	41.4	12.1	2.67	.72	.87	.99	39.5	11.6	3.03	.73	.89	1.00	37.5	11.0	3.45	.75	.91	1.00	35.4	10.4	3.95	.77	.94	1.00
	1400	660	42.4	12.4	2.67	.75	.92	1.00	40.5	11.9	3.04	.77	.94	1.00	38.5	11.3	3.46	.79	.96	1.00	36.4	10.7	3.95	.82	.99	1.00
	1600	755	43.3	12.7	2.68	.79	.96	1.00	41.4	12.1	3.05	.81	.98	1.00	39.5	11.6	3.47	.84	1.00	1.00	37.5	11.0	3.96	.87	1.00	1.00
67°F (19°C)	1200	565	43.9	12.9	2.68	.56	.69	.83	41.9	12.3	3.05	.57	.71	.85	39.8	11.7	3.47	.58	.72	.88	37.5	11.0	3.97	.59	.74	.91
	1400	660	44.8	13.1	2.69	.58	.73	.89	42.8	12.5	3.05	.59	.75	.91	40.5	11.9	3.48	.60	.77	.94	38.1	11.2	3.98	.62	.80	.97
	1600	755	45.6	13.4	2.69	.60	.77	.93	43.4	12.7	3.06	.61	.79	.96	41.1	12.0	3.49	.63	.82	.98	38.7	11.3	3.98	.64	.84	1.00
71°F (22°C)	1200	565	46.8	13.7	2.70	.42	.54	.67	44.7	13.1	3.07	.42	.55	.69	42.4	12.4	3.50	.42	.56	.70	39.9	11.7	3.99	.43	.58	.72
	1400	660	47.7	14.0	2.71	.42	.57	.71	45.5	13.3	3.08	.43	.58	.72	43.1	12.6	3.51	.43	.59	.75	40.5	11.9	4.00	.44	.61	.77
	1600	755	48.4	14.2	2.71	.43	.59	.75	46.1	13.5	3.09	.44	.60	.77	43.6	12.8	3.51	.44	.62	.79	41.0	12.0	4.00	.45	.64	.82

HP32-42 — CB30M-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17°C)	1200	565	41.1	12.0	2.66	.72	.87	.99	39.2	11.5	3.02	.74	.90	1.00	37.2	10.9	3.44	.75	.92	1.00	35.0	10.3	3.93	.78	.95	1.00
	1400	660	42.2	12.4	2.66	.76	.92	1.00	40.2	11.8	3.03	.78	.95	1.00	38.1	11.2	3.45	.80	.97	1.00	36.0	10.6	3.94	.83	.99	1.00
	1600	755	43.1	12.6	2.67	.80	.97	1.00	41.2	12.1	3.04	.82	.99	1.00	39.2	11.5	3.46	.85	1.00	1.00	37.1	10.9	3.95	.88	1.00	1.00
67°F (19°C)	1200	565	43.7	12.8	2.67	.56	.70	.84	41.6	12.2	3.04	.57	.71	.86	39.4	11.5	3.46	.58	.73	.89	37.0	10.8	3.95	.60	.76	.92
	1400	660	44.6	13.1	2.68	.58	.74	.89	42.4	12.4	3.05	.59	.76	.92	40.1	11.8	3.47	.61	.78	.94	37.7	11.0	3.96	.62	.81	.97
	1600	755	45.2	13.2	2.69	.61	.78	.94	43.0	12.6	3.06	.62	.80	.96	40.7	11.9	3.48	.63	.82	.98	38.2	11.2	3.96	.65	.86	1.00
71°F (22°C)	1200	565	46.5	13.6	2.69	.42	.55	.67	44.3	13.0	3.06	.42	.56	.69	41.9	12.3	3.48	.43	.57	.71	39.4	11.5	3.97	.43	.58	.73
	1400	660	47.4	13.9	2.70	.43	.57	.72	45.1	13.2	3.07	.43	.58	.73	42.6	12.5	3.50	.43	.60	.76	40.0	11.7	3.98	.44	.61	.78
	1600	755	48.1	14.1	2.70	.44	.60	.75	45.7	13.4	3.08	.44	.61	.78	43.2	12.7	3.50	.45	.62	.80	40.5	11.9	3.99	.45	.64	.83

HP32-42 - CB29M-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.6	14.2	3.35	39.5	11.6	3.17	30.4	8.9	3.00	21.0	6.2	2.64	10.7	3.1	2.00					
1400	660	48.5	14.2	3.07	39.4	11.5	2.89	30.3	8.9	2.72	20.9	6.1	2.36	10.6	3.1	1.72					
1600	755	49.3	14.4	3.09	40.2	11.8	2.91	31.1	9.1	2.74	21.7	6.4	2.38	11.4	3.3	1.74					

HP32-42 - CB30M-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.24	39.5	11.6	3.06	30.2	8.9	2.89	20.6	6.0	2.53	10.5	3.1	1.92					
1400	660	48.9	14.3	2.98	39.5	11.6	2.79	30.2	8.9	2.62	20.6	6.0	2.27	10.5	3.1	1.65					
1600	755	49.6	14.5	2.99	40.2	11.8	2.81	30.9	9.1	2.64	21.3	6.2	2.28	11.2	3.3	1.67					

HP32-42 - CB29M-65 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CB30M-41 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CB30M-46 — CB30U-41/46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.1	12.0	2.65	.73	.87	.99	39.3	11.5	3.02	.74	.89	1.00	37.4	11.0	3.44	.76	.91	1.00	35.3	10.3	3.93	.78	.94	1.00
	1400	660	42.1	12.3	2.66	.76	.92	1.00	40.3	11.8	3.02	.78	.94	1.00	38.3	11.2	3.45	.80	.96	1.00	36.3	10.6	3.93	.82	.99	1.00
	1600	755	43.0	12.6	2.66	.80	.96	1.00	41.2	12.1	3.03	.82	.98	1.00	39.3	11.5	3.45	.84	.99	1.00	37.3	10.9	3.94	.87	1.00	1.00
67°F (19°C)	1200	565	43.6	12.8	2.67	.57	.70	.84	41.7	12.2	3.03	.58	.72	.86	39.6	11.6	3.46	.59	.74	.88	37.4	11.0	3.94	.60	.75	.91
	1400	660	44.5	13.0	2.67	.59	.74	.89	42.5	12.5	3.04	.60	.76	.91	40.3	11.8	3.47	.61	.78	.93	38.0	11.1	3.96	.63	.80	.96
	1600	755	45.3	13.3	2.68	.61	.78	.94	43.2	12.7	3.05	.62	.80	.96	40.9	12.0	3.48	.63	.82	.98	38.6	11.3	3.97	.65	.85	.99
71°F (22°C)	1200	565	46.5	13.6	2.69	.42	.55	.68	44.4	13.0	3.06	.43	.56	.69	42.2	12.4	3.48	.43	.57	.71	39.8	11.7	3.97	.43	.58	.73
	1400	660	47.4	13.9	2.69	.43	.57	.72	45.2	13.2	3.06	.43	.59	.74	42.9	12.6	3.49	.44	.60	.75	40.4	11.8	3.99	.44	.61	.78
	1600	755	48.1	14.1	2.70	.44	.60	.76	45.8	13.4	3.07	.44	.61	.78	43.5	12.7	3.50	.45	.62	.80	40.9	12.0	3.99	.46	.64	.83

HP32-42 — CB29M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.4	12.1	2.67	.72	.87	.99	39.5	11.6	3.03	.73	.89	1.00	37.5	11.0	3.45	.75	.91	1.00	35.4	10.4	3.95	.77	.94	1.00
	1400	660	42.4	12.4	2.67	.75	.92	1.00	40.5	11.9	3.04	.77	.94	1.00	38.5	11.3	3.46	.79	.96	1.00	36.4	10.7	3.95	.82	.99	1.00
	1600	755	43.3	12.7	2.68	.79	.96	1.00	41.4	12.1	3.05	.81	.98	1.00	39.5	11.6	3.47	.84	1.00	1.00	37.5	11.0	3.96	.87	1.00	1.00
67°F (19°C)	1200	565	43.9	12.9	2.68	.56	.69	.83	41.9	12.3	3.05	.57	.71	.85	39.8	11.7	3.47	.58	.72	.88	37.5	11.0	3.97	.59	.74	.91
	1400	660	44.8	13.1	2.69	.58	.73	.89	42.8	12.5	3.05	.59	.75	.91	40.5	11.9	3.48	.60	.77	.94	38.1	11.2	3.98	.62	.80	.97
	1600	755	45.6	13.4	2.69	.60	.77	.93	43.4	12.7	3.06	.61	.79	.96	41.1	12.0	3.49	.63	.82	.98	38.7	11.3	3.98	.64	.84	1.00
71°F (22°C)	1200	565	46.8	13.7	2.70	.42	.54	.67	44.7	13.1	3.07	.42	.55	.69	42.4	12.4	3.50	.42	.56	.70	39.9	11.7	3.99	.43	.58	.72
	1400	660	47.7	14.0	2.71	.42	.57	.71	45.5	13.3	3.08	.43	.58	.72	43.1	12.6	3.51	.43	.59	.75	40.5	11.9	4.00	.44	.61	.77
	1600	755	48.4	14.2	2.71	.43	.59	.75	46.1	13.5	3.09	.44	.60	.77	43.6	12.8	3.51	.44	.62	.79	41.0	12.0	4.00	.45	.64	.82

HP32-42 - CB30M-46 — CB30U-41/46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1200	565	48.9	14.3	3.24	39.6	11.6	3.06	30.2	8.9	2.89	20.7	6.1	2.53	10.6	3.1	1.92
1400	660	48.8	14.3	2.98	39.5	11.6	2.79	30.1	8.8	2.62	20.6	6.0	2.27	10.5	3.1	1.65
1600	755	49.6	14.5	2.99	40.3	11.8	2.81	30.9	9.1	2.64	21.4	6.3	2.28	11.3	3.3	1.67

HP32-42 - CB29M-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1200	565	48.6	14.2	3.35	39.5	11.6	3.17	30.4	8.9	3.00	21.0	6.2	2.64	10.7	3.1	2.00
1400	660	48.5	14.2	3.07	39.4	11.5	2.89	30.3	8.9	2.72	20.9	6.1	2.36	10.6	3.1	1.72
1600	755	49.3	14.4	3.09	40.2	11.8	2.91	31.1	9.1	2.74	21.7	6.4	2.38	11.4	3.3	1.74

HP32-42 - CB30M-46/CB30U41/46 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CB29M-65 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CB31MV-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	1200	565	40.9	12.0	2.66	.73	.88	.99	39.1	11.5	3.02	.75	.90	1.00	37.1	10.9	3.44	.76	.92	1.00	35.0	10.3	3.93	.79	.95	1.00
	1400	660	42.0	12.3	2.66	.77	.92	1.00	40.1	11.8	3.03	.78	.94	1.00	38.1	11.2	3.45	.81	.97	1.00	35.9	10.5	3.93	.83	.99	1.00
	1600	755	42.9	12.6	2.66	.80	.97	1.00	41.0	12.0	3.03	.83	.98	1.00	39.0	11.4	3.45	.85	1.00	1.00	37.0	10.8	3.94	.88	1.00	1.00
67°F (19°C)	1200	565	43.5	12.7	2.67	.57	.71	.84	41.5	12.2	3.03	.58	.72	.86	39.3	11.5	3.46	.59	.74	.89	37.0	10.8	3.95	.60	.76	.92
	1400	660	44.4	13.0	2.67	.59	.74	.89	42.3	12.4	3.04	.60	.76	.92	40.0	11.7	3.47	.61	.79	.94	37.7	11.0	3.96	.63	.81	.97
	1600	755	45.1	13.2	2.68	.61	.78	.94	42.9	12.6	3.05	.62	.80	.96	40.6	11.9	3.47	.64	.83	.98	38.2	11.2	3.96	.66	.86	1.00
71°F (22°C)	1200	565	46.3	13.6	2.69	.42	.55	.68	44.2	13.0	3.05	.43	.56	.70	41.9	12.3	3.48	.43	.57	.72	39.4	11.5	3.97	.44	.59	.74
	1400	660	47.2	13.8	2.69	.43	.58	.72	45.0	13.2	3.06	.43	.59	.74	42.5	12.5	3.49	.44	.60	.76	40.0	11.7	3.98	.45	.62	.79
	1600	755	47.9	14.0	2.70	.44	.60	.76	45.6	13.4	3.07	.44	.61	.78	43.1	12.6	3.50	.45	.63	.81	40.5	11.9	3.98	.46	.65	.84

HP32-42 — CB30M-51 — CB30U-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb			kBtuh	kW		Dry Bulb		
cfm	L/s	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	1200	565	42.5	12.5	2.68	.72	.88	1.00	40.4	11.8	3.05	.74	.90	1.00	38.2	11.2	3.48	.76	.93	1.00	35.9	10.5	3.97	.78	.96	1.00
	1400	660	43.6	12.8	2.69	.76	.93	1.00	41.5	12.2	3.06	.78	.95	1.00	39.3	11.5	3.49	.81	.98	1.00	37.0	10.8	3.97	.84	1.00	1.00
	1600	755	44.6	13.1	2.70	.80	.98	1.00	42.5	12.5	3.07	.83	.99	1.00	40.4	11.8	3.49	.85	1.00	1.00	38.2	11.2	3.98	.89	1.00	1.00
67°F (19°C)	1200	565	45.2	13.2	2.70	.56	.70	.84	42.9	12.6	3.07	.57	.72	.86	40.6	11.9	3.50	.58	.73	.89	38.0	11.1	3.98	.60	.76	.93
	1400	660	46.2	13.5	2.71	.58	.74	.90	43.9	12.9	3.08	.60	.76	.92	41.3	12.1	3.50	.61	.78	.95	38.7	11.3	3.99	.63	.81	.99
	1600	755	47.0	13.8	2.71	.61	.78	.95	44.5	13.0	3.08	.62	.80	.97	42.0	12.3	3.51	.64	.83	.99	39.3	11.5	4.00	.66	.86	1.00
71°F (22°C)	1200	565	48.2	14.1	2.72	.42	.55	.67	45.8	13.4	3.10	.42	.56	.69	43.2	12.7	3.52	.43	.57	.71	40.4	11.8	4.01	.43	.59	.74
	1400	660	49.2	14.4	2.73	.43	.57	.71	46.7	13.7	3.10	.43	.58	.73	44.0	12.9	3.53	.44	.60	.76	41.1	12.0	4.02	.44	.62	.79
	1600	755	49.9	14.6	2.73	.44	.60	.76	47.3	13.9	3.11	.44	.61	.78	44.5	13.0	3.53	.45	.63	.81	41.6	12.2	4.02	.46	.65	.84

HP32-42 - CB31MV-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1200	565	48.8	14.3	3.24	39.4	11.5	3.06	30.0	8.8	2.89	20.5	6.0	2.53	10.4	3.0	1.92					
1400	660	48.8	14.3	2.98	39.4	11.5	2.79	30.0	8.8	2.62	20.5	6.0	2.27	10.4	3.0	1.65					
1600	755	49.5	14.5	3.00	40.1	11.8	2.81	30.7	9.0	2.64	21.2	6.2	2.29	11.1	3.3	1.67					

HP32-42 - CB30M-51 — CB30U-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1200	565	47.9	14.0	3.06	38.8	11.4	2.91	29.7	8.7	2.76	20.4	6.0	2.43	10.3	3.0	1.84					
1400	660	47.9	14.0	2.82	38.8	11.4	2.66	29.7	8.7	2.52	20.4	6.0	2.19	10.3	3.0	1.59					
1600	755	48.6	14.2	2.83	39.5	11.6	2.68	30.4	8.9	2.53	21.1	6.2	2.20	11.0	3.2	1.61					

HP32-42 - CB31MV-41 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CB30M-51/CB30U-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	43.0	12.6	2.69	.73	.88	1.00	41.0	12.0	3.07	.75	.90	1.00	38.8	11.4	3.49	.76	.92	1.00	36.4	10.7	3.98	.79	.96	1.00
	1400	660	44.2	13.0	2.70	.77	.93	1.00	42.0	12.3	3.07	.79	.95	1.00	39.8	11.7	3.50	.81	.98	1.00	37.5	11.0	3.99	.84	1.00	1.00
	1600	755	45.2	13.2	2.71	.81	.97	1.00	43.1	12.6	3.08	.83	.99	1.00	40.9	12.0	3.50	.86	1.00	1.00	38.8	11.4	4.00	.89	1.00	1.00
67°F (19°C)	1200	565	45.8	13.4	2.71	.57	.70	.84	43.5	12.7	3.09	.58	.72	.87	41.1	12.0	3.51	.59	.74	.89	38.6	11.3	4.00	.60	.76	.92
	1400	660	46.8	13.7	2.72	.59	.74	.90	44.4	13.0	3.09	.60	.76	.92	42.0	12.3	3.52	.61	.79	.95	39.3	11.5	4.01	.63	.82	.98
	1600	755	47.5	13.9	2.72	.62	.79	.95	45.1	13.2	3.10	.63	.81	.97	42.6	12.5	3.52	.64	.83	1.00	39.9	11.7	4.02	.66	.87	1.00
71°F (22°C)	1200	565	48.8	14.3	2.73	.42	.55	.68	46.4	13.6	3.11	.43	.56	.70	43.8	12.8	3.53	.43	.57	.72	41.1	12.0	4.03	.44	.59	.74
	1400	660	49.8	14.6	2.74	.43	.58	.72	47.3	13.9	3.11	.44	.59	.74	44.6	13.1	3.54	.44	.60	.76	41.8	12.3	4.04	.45	.62	.79
	1600	755	50.5	14.8	2.75	.44	.60	.76	47.9	14.0	3.12	.45	.62	.79	45.2	13.2	3.55	.45	.63	.81	42.3	12.4	4.04	.46	.65	.84

HP32-42 — CVP10-41/EC10Q3 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	39.5	11.6	2.64	.70	.86	.99	37.6	11.0	3.00	.71	.89	1.00	35.6	10.4	3.42	.73	.91	1.00	33.5	9.8	3.90	.76	.95	1.00
	1400	660	40.5	11.9	2.64	.73	.92	1.00	38.6	11.3	3.00	.75	.94	1.00	36.6	10.7	3.43	.78	.97	1.00	34.5	10.1	3.91	.81	1.00	1.00
	1600	755	41.5	12.2	2.65	.78	.97	1.00	39.6	11.6	3.01	.80	.98	1.00	37.6	11.0	3.43	.83	1.00	1.00	35.5	10.4	3.92	.87	1.00	1.00
67°F (19°C)	1200	565	41.9	12.3	2.65	.54	.67	.82	39.9	11.7	3.02	.55	.69	.84	37.7	11.0	3.43	.56	.71	.87	35.4	10.4	3.92	.58	.73	.91
	1400	660	42.8	12.5	2.66	.56	.71	.88	40.7	11.9	3.02	.57	.73	.91	38.5	11.3	3.44	.59	.75	.94	36.0	10.6	3.93	.60	.79	.97
	1600	755	43.5	12.7	2.66	.58	.75	.94	41.3	12.1	3.03	.60	.78	.96	39.0	11.4	3.45	.61	.81	.99	36.5	10.7	3.93	.63	.85	1.00
71°F (22°C)	1200	565	44.6	13.1	2.67	.40	.53	.65	42.5	12.5	3.03	.41	.54	.67	40.2	11.8	3.46	.41	.55	.68	37.7	11.0	3.94	.41	.56	.71
	1400	660	45.5	13.3	2.68	.41	.55	.69	43.3	12.7	3.04	.41	.56	.71	40.9	12.0	3.46	.42	.57	.73	38.2	11.2	3.95	.43	.59	.76
	1600	755	46.2	13.5	2.68	.42	.57	.73	43.9	12.9	3.05	.42	.59	.75	41.3	12.1	3.47	.43	.60	.78	38.7	11.3	3.95	.44	.62	.82

HP32-42 - CB31MV-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1200	565	47.7	14.0	3.08	38.5	11.3	2.92	29.4	8.6	2.77	20.0	5.9	2.45	10.2	3.0	1.85
1400	660	47.7	14.0	2.82	38.5	11.3	2.66	29.4	8.6	2.51	20.0	5.9	2.19	10.2	3.0	1.59
1600	755	48.3	14.2	2.84	39.1	11.5	2.68	30.0	8.8	2.54	20.6	6.0	2.21	10.8	3.2	1.61

HP32-42 - CVP10-41/EC10Q3 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1200	565	48.6	14.2	3.10	39.2	11.5	2.91	29.7	8.7	2.73	20.3	5.9	2.37	9.9	2.9	1.73
1400	660	49.4	14.5	3.10	40.0	11.7	2.91	30.5	8.9	2.73	21.1	6.2	2.37	10.7	3.1	1.73
1600	755	49.7	14.6	3.00	40.3	11.8	2.81	30.8	9.0	2.63	21.4	6.3	2.27	11.0	3.2	1.63

HP32-42 - CB31MV-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CVP10-41/EC10Q3 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CVP10-46/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1200	565	40.8	12.0	2.65	.74	.88	.99	39.0	11.4	3.01	.75	.89	1.00	37.1	10.9	3.43	.77	.92	1.00	35.0	10.3	3.91	.79	.94	1.00
	1400	660	41.9	12.3	2.65	.77	.92	1.00	40.0	11.7	3.01	.79	.95	1.00	38.0	11.1	3.44	.81	.97	1.00	36.0	10.6	3.92	.83	.99	1.00
	1600	755	42.8	12.5	2.65	.81	.96	1.00	40.9	12.0	3.02	.83	.98	1.00	39.0	11.4	3.44	.85	.99	1.00	37.0	10.8	3.93	.88	1.00	1.00
67°F (19°C)	1200	565	43.3	12.7	2.66	.58	.71	.85	41.3	12.1	3.03	.58	.73	.87	39.3	11.5	3.45	.59	.74	.89	37.0	10.8	3.93	.61	.77	.91
	1400	660	44.2	13.0	2.67	.60	.75	.89	42.2	12.4	3.03	.61	.77	.92	40.0	11.7	3.45	.62	.79	.94	37.7	11.0	3.95	.63	.81	.97
	1600	755	45.0	13.2	2.67	.62	.79	.94	42.9	12.6	3.04	.63	.81	.96	40.6	11.9	3.46	.64	.83	.98	38.3	11.2	3.95	.66	.86	.99
71°F (22°C)	1200	565	46.1	13.5	2.68	.43	.56	.69	44.0	12.9	3.05	.43	.57	.70	41.8	12.3	3.47	.44	.58	.72	39.4	11.5	3.96	.44	.59	.74
	1400	660	47.0	13.8	2.68	.44	.58	.73	44.9	13.2	3.05	.44	.59	.74	42.6	12.5	3.47	.44	.61	.77	40.1	11.8	3.97	.45	.62	.79
	1600	755	47.7	14.0	2.69	.44	.61	.77	45.5	13.3	3.06	.45	.62	.79	43.1	12.6	3.48	.45	.64	.81	40.6	11.9	3.98	.46	.65	.84

HP32-42 — C33-38A/B - C26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1200	565	39.9	11.7	2.65	.69	.86	1.00	38.0	11.1	3.01	.71	.89	1.00	36.0	10.6	3.42	.72	.92	1.00	33.9	9.9	3.91	.75	.95	1.00
	1400	660	40.9	12.0	2.65	.73	.92	1.00	39.0	11.4	3.01	.75	.95	1.00	37.0	10.8	3.43	.78	.97	1.00	34.9	10.2	3.92	.81	1.00	1.00
	1600	755	41.8	12.3	2.65	.78	.97	1.00	40.0	11.7	3.02	.80	.99	1.00	38.0	11.1	3.44	.83	1.00	1.00	35.9	10.5	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	42.2	12.4	2.66	.54	.67	.82	40.2	11.8	3.03	.55	.68	.85	38.0	11.1	3.44	.56	.71	.88	35.7	10.5	3.93	.57	.73	.92
	1400	660	43.1	12.6	2.66	.56	.71	.89	41.0	12.0	3.03	.57	.73	.91	38.7	11.3	3.45	.58	.75	.95	36.3	10.6	3.94	.60	.79	.98
	1600	755	43.8	12.8	2.67	.58	.75	.94	41.6	12.2	3.03	.59	.78	.97	39.3	11.5	3.46	.61	.81	.99	36.9	10.8	3.94	.63	.84	1.00
71°F (22°C)	1200	565	44.9	13.2	2.68	.40	.52	.65	42.8	12.5	3.04	.40	.53	.66	40.5	11.9	3.46	.40	.54	.68	37.9	11.1	3.95	.41	.56	.71
	1400	660	45.7	13.4	2.68	.41	.55	.69	43.5	12.7	3.05	.41	.56	.71	41.1	12.0	3.47	.42	.57	.73	38.5	11.3	3.96	.42	.59	.76
	1600	755	46.4	13.6	2.69	.42	.57	.73	44.1	12.9	3.05	.42	.58	.75	41.6	12.2	3.48	.43	.60	.78	39.0	11.4	3.96	.43	.62	.82

HP32-42 - CVP10-46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	49.2	14.4	3.20	40.1	11.8	3.04	30.9	9.1	2.89	21.4	6.3	2.55	10.8	3.2	1.94
1400	660	49.3	14.4	2.91	40.2	11.8	2.75	31.0	9.1	2.60	21.5	6.3	2.26	10.9	3.2	1.65
1600	755	49.9	14.6	2.96	40.8	12.0	2.80	31.6	9.3	2.65	22.1	6.5	2.31	11.5	3.4	1.70

HP32-42 - C33-38A/B - C26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1200	565	48.9	14.3	3.17	39.3	11.5	2.98	29.6	8.7	2.80	20.1	5.9	2.43	9.9	2.9	1.78
1400	660	49.6	14.5	3.15	40.0	11.7	2.96	30.3	8.9	2.78	20.8	6.1	2.40	10.6	3.1	1.75
1600	755	49.9	14.6	3.05	40.3	11.8	2.86	30.6	9.0	2.68	21.1	6.2	2.30	10.9	3.2	1.65

HP32-42 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - C33-38A/B - C26-41 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — C26-46 - C33-50C COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.4	12.1	2.67	.72	.87	.99	39.5	11.6	3.04	.73	.89	1.00	37.5	11.0	3.46	.75	.92	1.00	35.3	10.3	3.95	.77	.95	1.00
	1400	660	42.5	12.5	2.68	.75	.93	1.00	40.5	11.9	3.05	.77	.95	1.00	38.5	11.3	3.47	.80	.97	1.00	36.3	10.6	3.96	.83	1.00	1.00
	1600	755	43.5	12.7	2.68	.80	.97	1.00	41.5	12.2	3.05	.82	.99	1.00	39.6	11.6	3.48	.84	1.00	1.00	37.5	11.0	3.97	.88	1.00	1.00
67°F (19°C)	1200	565	43.9	12.9	2.69	.56	.69	.83	41.9	12.3	3.06	.57	.71	.86	39.7	11.6	3.48	.58	.72	.88	37.2	10.9	3.98	.59	.75	.92
	1400	660	44.9	13.2	2.69	.58	.73	.89	42.7	12.5	3.07	.59	.75	.92	40.4	11.8	3.49	.60	.77	.95	38.0	11.1	3.99	.62	.80	.98
	1600	755	45.6	13.4	2.70	.60	.77	.94	43.4	12.7	3.07	.62	.79	.97	41.0	12.0	3.50	.63	.82	.99	38.5	11.3	3.99	.65	.86	1.00
71°F (22°C)	1200	565	46.8	13.7	2.71	.41	.54	.67	44.6	13.1	3.08	.42	.55	.68	42.2	12.4	3.51	.42	.56	.70	39.6	11.6	4.00	.42	.58	.73
	1400	660	47.7	14.0	2.71	.42	.57	.71	45.4	13.3	3.09	.43	.58	.73	42.9	12.6	3.52	.43	.59	.75	40.3	11.8	4.00	.44	.61	.78
	1600	755	48.4	14.2	2.72	.43	.59	.75	46.0	13.5	3.09	.43	.60	.77	43.5	12.7	3.52	.44	.62	.80	40.8	12.0	4.01	.45	.64	.83

HP32-42 — C26-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	41.9	12.3	2.67	.71	.87	1.00	39.9	11.7	3.04	.73	.89	1.00	37.8	11.1	3.46	.75	.92	1.00	35.6	10.4	3.95	.77	.95	1.00
	1400	660	43.0	12.6	2.68	.75	.92	1.00	41.0	12.0	3.05	.77	.95	1.00	38.9	11.4	3.47	.80	.98	1.00	36.7	10.8	3.96	.83	1.00	1.00
	1600	755	44.0	12.9	2.68	.79	.97	1.00	42.0	12.3	3.05	.82	.99	1.00	40.0	11.7	3.47	.85	1.00	1.00	37.8	11.1	3.97	.88	1.00	1.00
67°F (19°C)	1200	565	44.5	13.0	2.69	.56	.69	.83	42.4	12.4	3.06	.56	.70	.85	40.1	11.8	3.48	.57	.72	.88	37.7	11.0	3.97	.59	.74	.92
	1400	660	45.4	13.3	2.70	.58	.73	.89	43.2	12.7	3.06	.59	.75	.92	40.9	12.0	3.49	.60	.77	.95	38.4	11.3	3.98	.62	.80	.98
	1600	755	46.2	13.5	2.70	.60	.77	.94	43.9	12.9	3.07	.61	.79	.97	41.5	12.2	3.49	.63	.82	.99	39.0	11.4	3.98	.65	.85	1.00
71°F (22°C)	1200	565	47.4	13.9	2.71	.41	.54	.67	45.1	13.2	3.08	.42	.55	.68	42.7	12.5	3.51	.42	.56	.70	40.1	11.8	4.00	.42	.58	.72
	1400	660	48.3	14.2	2.72	.42	.57	.71	46.0	13.5	3.09	.42	.57	.73	43.5	12.7	3.51	.43	.59	.75	40.8	12.0	4.00	.44	.61	.78
	1600	755	49.1	14.4	2.72	.43	.59	.75	46.6	13.7	3.09	.44	.60	.77	44.0	12.9	3.52	.44	.62	.80	41.3	12.1	4.01	.45	.64	.83

HP32-42 - C26-46 - C33-50C HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	cfm	L/s		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW
1200	565	48.6	14.2	3.24	39.4	11.5	3.07	30.2	8.9	2.91	20.7	6.1	2.56	10.5	3.1	1.94				
1400	660	48.5	14.2	2.98	39.3	11.5	2.81	30.1	8.8	2.65	20.6	6.0	2.30	10.4	3.0	1.68				
1600	755	49.2	14.4	3.01	40.0	11.7	2.84	30.8	9.0	2.68	21.3	6.2	2.33	11.1	3.3	1.70				

HP32-42 - C26-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	cfm	L/s		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW
1200	565	46.9	13.7	3.09	37.8	11.1	2.94	28.7	8.4	2.80	19.5	5.7	2.47	9.8	2.9	1.86				
1400	660	47.0	13.8	2.84	37.9	11.1	2.69	28.8	8.4	2.55	19.6	5.7	2.22	9.9	2.9	1.61				
1600	755	47.8	14.0	2.86	38.7	11.3	2.70	29.6	8.7	2.56	20.4	6.0	2.24	10.7	3.1	1.63				

HP32-42 - C26-46 - C33-50C HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - C26-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CR26-41 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	38.9	11.4	2.62	.69	.86	.99	37.1	10.9	2.98	.70	.88	1.00	35.2	10.3	3.39	.72	.91	1.00	33.2	9.7	3.86	.75	.94	1.00
	1400	660	39.9	11.7	2.62	.73	.91	1.00	38.1	11.2	2.98	.75	.94	1.00	36.1	10.6	3.39	.77	.97	1.00	34.1	10.0	3.87	.80	.99	1.00
	1600	755	40.8	12.0	2.62	.77	.96	1.00	38.9	11.4	2.99	.79	.99	1.00	37.0	10.8	3.40	.82	1.00	1.00	35.0	10.3	3.88	.86	1.00	1.00
67°F (19°C)	1200	565	41.3	12.1	2.63	.53	.67	.81	39.3	11.5	2.99	.54	.68	.84	37.2	10.9	3.40	.55	.70	.87	35.0	10.3	3.88	.57	.72	.91
	1400	660	42.1	12.3	2.63	.56	.70	.88	40.0	11.7	3.00	.57	.72	.90	37.9	11.1	3.41	.58	.75	.93	35.6	10.4	3.89	.59	.78	.97
	1600	755	42.7	12.5	2.64	.58	.74	.93	40.6	11.9	3.00	.59	.77	.96	38.4	11.3	3.41	.60	.80	.98	36.1	10.6	3.90	.62	.83	1.00
71°F (22°C)	1200	565	43.9	12.9	2.64	.40	.52	.64	41.8	12.3	3.01	.40	.53	.66	39.6	11.6	3.43	.40	.54	.68	37.2	10.9	3.90	.41	.56	.70
	1400	660	44.7	13.1	2.65	.40	.54	.68	42.5	12.5	3.01	.41	.55	.70	40.2	11.8	3.43	.41	.57	.72	37.8	11.1	3.91	.42	.58	.75
	1600	755	45.3	13.3	2.65	.41	.57	.72	43.1	12.6	3.02	.42	.58	.74	40.7	11.9	3.43	.42	.59	.78	38.1	11.2	3.92	.43	.61	.81

HP32-42 — CR26-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.7	11.9	2.65	.70	.85	.98	38.9	11.4	3.01	.71	.87	.99	37.0	10.8	3.43	.73	.90	1.00	34.9	10.2	3.92	.75	.93	1.00
	1400	660	41.8	12.3	2.65	.73	.90	1.00	39.9	11.7	3.02	.75	.92	1.00	37.9	11.1	3.44	.77	.95	1.00	35.8	10.5	3.93	.80	.98	1.00
	1600	755	42.6	12.5	2.66	.77	.95	1.00	40.7	11.9	3.03	.79	.97	1.00	38.8	11.4	3.45	.82	.99	1.00	36.8	10.8	3.94	.85	1.00	1.00
67°F (19°C)	1200	565	43.4	12.7	2.67	.55	.68	.81	41.4	12.1	3.03	.55	.69	.84	39.3	11.5	3.46	.56	.71	.86	37.0	10.8	3.94	.58	.73	.89
	1400	660	44.3	13.0	2.67	.57	.71	.87	42.2	12.4	3.04	.58	.73	.89	40.0	11.7	3.46	.59	.75	.92	37.7	11.0	3.96	.60	.78	.95
	1600	755	45.0	13.2	2.68	.59	.75	.92	42.9	12.6	3.05	.60	.77	.94	40.6	11.9	3.47	.61	.79	.97	38.2	11.2	3.96	.63	.82	.99
71°F (22°C)	1200	565	46.2	13.5	2.69	.41	.53	.65	44.1	12.9	3.06	.41	.54	.67	41.9	12.3	3.48	.41	.55	.68	39.5	11.6	3.97	.42	.56	.70
	1400	660	47.1	13.8	2.69	.42	.55	.69	45.0	13.2	3.06	.42	.56	.71	42.6	12.5	3.48	.42	.57	.73	40.1	11.8	3.98	.43	.59	.75
	1600	755	47.8	14.0	2.70	.42	.57	.72	45.6	13.4	3.06	.43	.59	.74	43.2	12.7	3.49	.43	.60	.77	40.6	11.9	3.98	.44	.62	.80

HP32-42 - CR26-41 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
1200	565	50.1	14.7	3.30	40.4	11.8	3.10	30.6	9.0	2.91	20.9	6.1	2.53	10.2	3.0	1.84				
1400	660	50.9	14.9	3.28	41.2	12.1	3.08	31.4	9.2	2.90	21.7	6.4	2.51	11.0	3.2	1.83				
1600	755	51.2	15.0	3.17	41.5	12.2	2.97	31.7	9.3	2.79	22.0	6.4	2.40	11.3	3.3	1.72				

HP32-42 - CR26-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
1200	565	49.1	14.4	3.37	40.0	11.7	3.18	30.9	9.1	3.00	21.5	6.3	2.63	11.0	3.2	1.98				
1400	660	48.9	14.3	3.13	39.8	11.7	2.94	30.7	9.0	2.76	21.3	6.2	2.39	10.8	3.2	1.74				
1600	755	49.7	14.6	3.11	40.6	11.9	2.92	31.5	9.2	2.74	22.1	6.5	2.37	11.6	3.4	1.72				

HP32-42 - CR26-41 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CR26-51 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CR26-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	42.3	12.4	2.66	.73	.87	.99	40.3	11.8	3.03	.74	.89	1.00	38.2	11.2	3.45	.76	.92	1.00	36.0	10.6	3.94	.78	.95	1.00
	1400	660	43.4	12.7	2.67	.77	.92	1.00	41.4	12.1	3.04	.78	.94	1.00	39.3	11.5	3.46	.80	.97	1.00	37.1	10.9	3.95	.83	.99	1.00
	1600	755	44.3	13.0	2.67	.80	.97	1.00	42.3	12.4	3.04	.82	.99	1.00	40.3	11.8	3.46	.85	1.00	1.00	38.2	11.2	3.95	.88	1.00	1.00
67°F (19°C)	1200	565	45.0	13.2	2.68	.57	.70	.84	42.8	12.5	3.05	.58	.72	.86	40.6	11.9	3.47	.59	.73	.88	38.2	11.2	3.96	.60	.76	.92
	1400	660	45.9	13.5	2.69	.59	.74	.89	43.7	12.8	3.06	.60	.76	.92	41.4	12.1	3.48	.61	.78	.94	38.9	11.4	3.97	.63	.81	.97
	1600	755	46.7	13.7	2.69	.61	.78	.94	44.4	13.0	3.06	.62	.80	.96	42.0	12.3	3.48	.64	.83	.99	39.5	11.6	3.97	.66	.86	1.00
71°F (22°C)	1200	565	47.9	14.0	2.70	.42	.55	.68	45.7	13.4	3.07	.43	.56	.69	43.2	12.7	3.50	.43	.57	.71	40.7	11.9	3.98	.43	.58	.73
	1400	660	48.9	14.3	2.71	.43	.58	.72	46.5	13.6	3.08	.44	.59	.73	44.0	12.9	3.50	.44	.60	.76	41.4	12.1	3.99	.45	.62	.78
	1600	755	49.6	14.5	2.71	.44	.60	.76	47.2	13.8	3.08	.44	.61	.78	44.6	13.1	3.51	.45	.63	.81	41.9	12.3	4.00	.46	.65	.83

HP32-42 — CH23-41 - CH33-42B-F COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1200	565	39.7	11.6	2.61	.70	.87	1.00	37.8	11.1	2.97	.72	.90	1.00	35.9	10.5	3.38	.74	.92	1.00	33.8	9.9	3.86	.76	.95	1.00
	1400	660	40.7	11.9	2.62	.74	.93	1.00	38.8	11.4	2.98	.76	.95	1.00	36.9	10.8	3.39	.79	.98	1.00	34.8	10.2	3.87	.82	1.00	1.00
	1600	755	41.6	12.2	2.62	.79	.98	1.00	39.8	11.7	2.98	.81	.99	1.00	37.9	11.1	3.40	.84	1.00	1.00	35.8	10.5	3.88	.88	1.00	1.00
67°F (19°C)	1200	565	42.0	12.3	2.62	.55	.68	.83	40.0	11.7	2.99	.55	.70	.86	37.8	11.1	3.40	.57	.72	.89	35.5	10.4	3.88	.58	.74	.92
	1400	660	42.8	12.5	2.63	.57	.72	.89	40.7	11.9	2.99	.58	.74	.92	38.5	11.3	3.41	.59	.77	.95	36.2	10.6	3.88	.61	.80	.98
	1600	755	43.5	12.7	2.63	.59	.76	.95	41.4	12.1	3.00	.60	.79	.97	39.1	11.5	3.41	.62	.82	.99	36.7	10.8	3.89	.64	.85	1.00
71°F (22°C)	1200	565	44.7	13.1	2.64	.40	.53	.66	42.5	12.5	3.00	.41	.54	.68	40.2	11.8	3.42	.41	.55	.69	37.7	11.0	3.90	.42	.57	.72
	1400	660	45.4	13.3	2.65	.41	.56	.70	43.3	12.7	3.01	.42	.57	.72	40.9	12.0	3.43	.42	.58	.74	38.3	11.2	3.90	.43	.60	.77
	1600	755	46.0	13.5	2.65	.42	.58	.74	43.8	12.8	3.01	.43	.59	.76	41.4	12.1	3.43	.43	.61	.79	38.7	11.3	3.91	.44	.63	.83

HP32-42 - CR26-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	48.9	14.3	3.15	39.6	11.6	2.99	30.4	8.9	2.83	20.9	6.1	2.50	10.6	3.1	1.89				
1400	660	48.9	14.3	2.89	39.6	11.6	2.73	30.4	8.9	2.58	20.9	6.1	2.24	10.6	3.1	1.63				
1600	755	49.5	14.5	2.90	40.2	11.8	2.74	31.0	9.1	2.59	21.5	6.3	2.25	11.2	3.3	1.64				

HP32-42 - CH23-41 - CH33-42B-F HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	49.2	14.4	3.51	40.1	11.8	3.32	31.0	9.1	3.15	21.6	6.3	2.77	10.9	3.2	2.10				
1400	660	49.1	14.4	3.22	40.0	11.7	3.03	30.9	9.1	2.86	21.5	6.3	2.48	10.8	3.2	1.81				
1600	755	49.8	14.6	3.24	40.7	11.9	3.05	31.6	9.3	2.88	22.2	6.5	2.50	11.5	3.4	1.83				

HP32-42 - CR26-65 HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CH23-41 - CH33-42B-F HEATING PERFORMANCE at 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-42 — CH33-48C-F - CH23-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	40.9	12.0	2.63	.71	.86	.99	39.1	11.5	3.00	.72	.89	1.00	37.1	10.9	3.41	.74	.91	1.00	35.1	10.3	3.90	.76	.94	1.00
	1400	660	42.0	12.3	2.64	.74	.92	1.00	40.1	11.8	3.00	.76	.95	1.00	38.1	11.2	3.42	.79	.97	1.00	36.1	10.6	3.90	.82	.99	1.00
	1600	755	43.0	12.6	2.64	.79	.97	1.00	41.1	12.0	3.01	.81	.99	1.00	39.1	11.5	3.43	.84	1.00	1.00	37.1	10.9	3.91	.87	1.00	1.00
67°F (19°C)	1200	565	43.4	12.7	2.65	.55	.68	.82	41.3	12.1	3.01	.56	.70	.85	39.3	11.5	3.43	.57	.71	.88	37.0	10.8	3.91	.58	.74	.91
	1400	660	44.2	13.0	2.65	.57	.72	.89	42.2	12.4	3.02	.58	.74	.91	40.0	11.7	3.44	.59	.76	.94	37.7	11.0	3.93	.61	.79	.97
	1600	755	45.0	13.2	2.66	.59	.76	.94	42.9	12.6	3.03	.61	.78	.96	40.6	11.9	3.45	.62	.81	.99	38.2	11.2	3.93	.64	.85	1.00
71°F (22°C)	1200	565	46.2	13.5	2.67	.41	.53	.66	44.0	12.9	3.04	.41	.54	.67	41.8	12.3	3.45	.42	.55	.69	39.4	11.5	3.94	.42	.57	.72
	1400	660	47.0	13.8	2.67	.42	.56	.70	44.8	13.1	3.04	.42	.57	.72	42.5	12.5	3.46	.42	.58	.74	39.9	11.7	3.95	.43	.60	.77
	1600	755	47.7	14.0	2.68	.43	.58	.74	45.5	13.3	3.04	.43	.59	.76	43.0	12.6	3.47	.43	.61	.79	40.5	11.9	3.95	.44	.63	.82

HP32-42 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1200	565	41.8	12.3	2.64	.71	.87	.99	39.9	11.7	3.01	.73	.89	1.00	37.9	11.1	3.43	.75	.91	1.00	35.7	10.5	3.91	.77	.94	1.00
	1400	660	42.9	12.6	2.65	.75	.92	1.00	41.0	12.0	3.02	.77	.95	1.00	38.9	11.4	3.44	.79	.97	1.00	36.7	10.8	3.92	.82	1.00	1.00
	1600	755	43.9	12.9	2.66	.79	.97	1.00	41.9	12.3	3.02	.81	.99	1.00	40.0	11.7	3.44	.84	1.00	1.00	37.9	11.1	3.93	.87	1.00	1.00
67°F (19°C)	1200	565	44.4	13.0	2.66	.55	.69	.83	42.3	12.4	3.03	.56	.70	.85	40.1	11.8	3.45	.57	.72	.88	37.7	11.0	3.94	.59	.74	.91
	1400	660	45.3	13.3	2.67	.58	.73	.89	43.2	12.7	3.04	.59	.75	.91	40.9	12.0	3.46	.60	.77	.94	38.5	11.3	3.94	.62	.80	.97
	1600	755	46.1	13.5	2.67	.60	.77	.94	43.9	12.9	3.04	.61	.79	.97	41.5	12.2	3.46	.63	.82	.99	39.0	11.4	3.95	.64	.85	1.00
71°F (22°C)	1200	565	47.3	13.9	2.68	.41	.54	.66	45.1	13.2	3.05	.42	.55	.68	42.7	12.5	3.47	.42	.56	.70	40.1	11.8	3.96	.42	.58	.72
	1400	660	48.2	14.1	2.69	.42	.56	.71	45.9	13.5	3.06	.43	.58	.72	43.4	12.7	3.48	.43	.59	.74	40.8	12.0	3.97	.44	.61	.77
	1600	755	48.9	14.3	2.69	.43	.59	.75	46.6	13.7	3.06	.44	.60	.77	44.0	12.9	3.48	.44	.62	.80	41.3	12.1	3.97	.45	.64	.83

HP32-42 - CH33-48C-F - CH23-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1200	565	49.8	14.6	3.39	40.5	11.9	3.22	31.2	9.1	3.06	21.6	6.3	2.70	10.9	3.2	2.04					
1400	660	49.8	14.6	3.12	40.5	11.9	2.95	31.2	9.1	2.79	21.6	6.3	2.43	10.9	3.2	1.76					
1600	755	50.5	14.8	3.14	41.2	12.1	2.97	31.9	9.3	2.81	22.3	6.5	2.45	11.6	3.4	1.78					

HP32-42 - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1200	565	49.9	14.6	3.24	40.6	11.9	3.08	31.2	9.1	2.93	21.5	6.3	2.58	11.0	3.2	1.95					
1400	660	49.8	14.6	2.98	40.5	11.9	2.81	31.1	9.1	2.66	21.4	6.3	2.32	10.9	3.2	1.68					
1600	755	50.5	14.8	3.00	41.2	12.1	2.83	31.8	9.3	2.68	22.1	6.5	2.34	11.6	3.4	1.70					

HP32-42 - CH33-48C-F - CH23-51 HEATING PERFORMANCE AT 1400 cfm (661 L/s) Indoor Coil Air Volume

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

HP32-42 - CH23-65 HEATING PERFORMANCE AT 1400 cfm (661 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CB30M-46 — CB30U-41/46 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	45.2	13.2	2.79	.75	.90	1.00	43.2	12.7	3.17	.77	.92	1.00	41.0	12.0	3.59	.79	.94	1.00	38.6	11.3	4.08	.81	.97	1.00
	1600	755	46.2	13.5	2.79	.79	.94	1.00	44.2	13.0	3.17	.81	.96	1.00	42.0	12.3	3.59	.83	.98	1.00	39.6	11.6	4.09	.85	1.00	1.00
	1800	850	47.1	13.8	2.79	.82	.97	1.00	45.1	13.2	3.17	.84	.99	1.00	42.9	12.6	3.60	.86	1.00	1.00	40.6	11.9	4.09	.89	1.00	1.00
67°F (19°C)	1400	660	47.9	14.0	2.79	.58	.73	.87	45.7	13.4	3.17	.59	.75	.89	43.3	12.7	3.60	.61	.76	.91	40.7	11.9	4.09	.62	.79	.94
	1600	755	48.7	14.3	2.79	.60	.76	.91	46.5	13.6	3.17	.62	.78	.93	44.0	12.9	3.60	.63	.80	.96	41.3	12.1	4.10	.65	.83	.98
	1800	850	49.4	14.5	2.78	.62	.80	.95	47.1	13.8	3.17	.64	.82	.97	44.6	13.1	3.60	.65	.84	.99	41.8	12.3	4.10	.67	.87	1.00
71°F (22°C)	1400	660	51.0	14.9	2.78	.43	.57	.71	48.7	14.3	3.17	.44	.58	.72	46.2	13.5	3.60	.44	.59	.74	43.4	12.7	4.10	.44	.61	.76
	1600	755	51.8	15.2	2.78	.44	.59	.74	49.4	14.5	3.17	.44	.60	.76	46.8	13.7	3.61	.45	.62	.78	43.9	12.9	4.11	.46	.64	.81
	1800	850	52.4	15.4	2.78	.45	.61	.78	50.0	14.7	3.17	.45	.63	.80	47.3	13.9	3.61	.46	.64	.82	44.3	13.0	4.11	.47	.66	.85

HP32-48 — CB29M-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	46.1	13.5	2.81	.73	.89	1.00	44.0	12.9	3.19	.75	.91	1.00	41.7	12.2	3.62	.77	.93	1.00	39.2	11.5	4.11	.79	.97	1.00
	1600	755	47.0	13.8	2.81	.76	.93	1.00	44.9	13.2	3.19	.78	.95	1.00	42.6	12.5	3.63	.81	.98	1.00	40.2	11.8	4.12	.84	1.00	1.00
	1800	850	48.0	14.1	2.81	.80	.97	1.00	45.8	13.4	3.19	.82	.99	1.00	43.6	12.8	3.63	.85	1.00	1.00	41.2	12.1	4.12	.88	1.00	1.00
67°F (19°C)	1400	660	48.8	14.3	2.81	.57	.71	.85	46.5	13.6	3.20	.58	.72	.88	44.0	12.9	3.63	.59	.74	.90	41.2	12.1	4.13	.60	.77	.93
	1600	755	49.6	14.5	2.81	.59	.74	.90	47.2	13.8	3.20	.60	.76	.93	44.7	13.1	3.63	.61	.78	.95	41.8	12.3	4.13	.63	.82	.98
	1800	850	50.3	14.7	2.81	.61	.78	.94	47.9	14.0	3.20	.62	.80	.96	45.2	13.2	3.64	.63	.83	.99	42.4	12.4	4.14	.65	.86	1.00
71°F (22°C)	1400	660	51.9	15.2	2.81	.42	.55	.69	49.5	14.5	3.20	.42	.56	.70	46.8	13.7	3.64	.43	.57	.72	43.9	12.9	4.14	.43	.59	.75
	1600	755	52.7	15.4	2.80	.43	.57	.72	50.2	14.7	3.20	.43	.59	.74	47.5	13.9	3.64	.43	.60	.76	44.5	13.0	4.14	.44	.62	.79
	1800	850	53.4	15.6	2.80	.43	.59	.76	50.8	14.9	3.20	.44	.61	.78	48.0	14.1	3.64	.44	.62	.81	44.9	13.2	4.15	.45	.64	.84

HP32-48 - CB30M-46 — CB30U41/46 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	55.5	16.3	3.91	45.1	13.2	3.77	34.6	10.1	3.68	24.1	7.1	3.19	12.6	3.7	2.49
1600	755	54.8	16.1	3.27	44.4	13.0	3.14	33.9	9.9	3.05	23.4	6.9	2.55	11.9	3.5	1.85
1800	850	56.2	16.5	3.66	45.8	13.4	3.53	35.3	10.3	3.44	24.8	7.3	2.94	13.3	3.9	2.24

HP32-48 - CB29M-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	55.4	16.2	3.95	45.3	13.3	3.83	35.2	10.3	3.77	24.8	7.3	3.27	12.6	3.7	2.53
1600	755	55.1	16.1	3.36	45.0	13.2	3.24	34.9	10.2	3.18	24.5	7.2	2.68	12.3	3.6	1.94
1800	850	56.0	16.4	3.68	45.9	13.5	3.57	35.8	10.5	3.50	25.4	7.4	3.01	13.2	3.9	2.27

HP32-48 - CB30M-46/CB30U-41/46 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CB29M-51 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CB29M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	45.9	13.5	2.81	.73	.89	1.00	43.8	12.8	3.19	.75	.91	1.00	41.5	12.2	3.62	.77	.94	1.00	39.1	11.5	4.11	.79	.97	1.00
	1600	755	46.9	13.7	2.81	.76	.93	1.00	44.8	13.1	3.19	.79	.95	1.00	42.5	12.5	3.63	.81	.98	1.00	40.0	11.7	4.12	.84	1.00	1.00
	1800	850	47.8	14.0	2.81	.80	.97	1.00	45.7	13.4	3.19	.82	.99	1.00	43.5	12.7	3.63	.85	1.00	1.00	41.1	12.0	4.12	.88	1.00	1.00
67°F (19°C)	1400	660	48.6	14.2	2.81	.57	.71	.85	46.3	13.6	3.20	.58	.72	.87	43.9	12.9	3.63	.59	.74	.90	41.1	12.0	4.13	.60	.77	.93
	1600	755	49.4	14.5	2.81	.59	.74	.90	47.1	13.8	3.20	.60	.76	.92	44.6	13.1	3.63	.61	.78	.95	41.7	12.2	4.13	.63	.82	.98
	1800	850	50.1	14.7	2.81	.61	.78	.94	47.7	14.0	3.20	.62	.80	.96	45.1	13.2	3.64	.63	.83	.99	42.2	12.4	4.14	.65	.86	1.00
71°F (22°C)	1400	660	51.8	15.2	2.81	.42	.55	.69	49.3	14.4	3.20	.42	.56	.70	46.7	13.7	3.64	.43	.57	.72	43.8	12.8	4.14	.43	.59	.75
	1600	755	52.6	15.4	2.80	.43	.57	.72	50.1	14.7	3.20	.43	.58	.74	47.4	13.9	3.64	.44	.60	.76	44.4	13.0	4.14	.44	.62	.79
	1800	850	53.2	15.6	2.80	.43	.60	.75	50.7	14.9	3.20	.44	.61	.78	47.9	14.0	3.64	.45	.62	.80	44.7	13.1	4.15	.45	.65	.84

HP32-48 — CB30M-51 — CB30U-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	46.7	13.7	2.83	.73	.88	1.00	44.5	13.0	3.22	.74	.91	1.00	42.2	12.4	3.65	.76	.94	1.00	39.7	11.6	4.16	.79	.97	1.00
	1600	755	47.7	14.0	2.83	.76	.93	1.00	45.5	13.3	3.22	.78	.96	1.00	43.2	12.7	3.66	.81	.98	1.00	40.8	12.0	4.16	.83	1.00	1.00
	1800	850	48.7	14.3	2.83	.80	.97	1.00	46.5	13.6	3.22	.82	.99	1.00	44.3	13.0	3.65	.85	1.00	1.00	41.9	12.3	4.16	.88	1.00	1.00
67°F (19°C)	1400	660	49.6	14.5	2.82	.57	.70	.85	47.3	13.9	3.22	.57	.72	.87	44.7	13.1	3.66	.59	.74	.90	42.0	12.3	4.16	.60	.76	.94
	1600	755	50.5	14.8	2.83	.59	.74	.90	48.1	14.1	3.22	.60	.76	.92	45.5	13.3	3.66	.61	.78	.95	42.6	12.5	4.17	.63	.81	.98
	1800	850	51.2	15.0	2.83	.60	.77	.94	48.8	14.3	3.22	.62	.80	.97	46.1	13.5	3.66	.63	.82	.99	43.2	12.7	4.17	.65	.86	1.00
71°F (22°C)	1400	660	52.9	15.5	2.82	.42	.55	.68	50.4	14.8	3.22	.42	.56	.70	47.7	14.0	3.67	.43	.57	.72	44.7	13.1	4.18	.43	.59	.74
	1600	755	53.8	15.8	2.82	.43	.57	.72	51.2	15.0	3.23	.43	.58	.74	48.4	14.2	3.67	.43	.60	.76	45.4	13.3	4.18	.44	.61	.79
	1800	850	54.5	16.0	2.82	.43	.59	.75	51.8	15.2	3.22	.44	.61	.77	49.0	14.4	3.67	.44	.62	.80	45.8	13.4	4.18	.45	.64	.83

HP32-48 - CB29M-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	55.9	16.4	4.03	45.8	13.4	3.91	35.6	10.4	3.85	25.2	7.4	3.35	13.1	3.8	2.61
1600	755	55.1	16.1	3.36	45.0	13.2	3.24	34.8	10.2	3.18	24.4	7.2	2.68	12.3	3.6	1.94
1800	850	56.5	16.6	3.76	46.4	13.6	3.64	36.2	10.6	3.58	25.8	7.6	3.08	13.7	4.0	2.34

HP32-48 - CB30M-51 — CB30U-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW
1400	660	53.5	15.7	3.61	43.7	12.8	3.50	33.8	9.9	3.43	23.8	7.0	2.98	12.4	3.6	2.31
1600	755	52.8	15.5	3.06	43.0	12.6	2.95	33.1	9.7	2.88	23.1	6.8	2.43	11.7	3.4	1.76
1800	850	54.2	15.9	3.38	44.4	13.0	3.27	34.5	10.1	3.21	24.5	7.2	2.75	13.1	3.8	2.08

HP32-48 - CB29M-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CB30M-51/CB30U-51 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	47.8	14.0	2.84	.73	.88	1.00	45.6	13.4	3.23	.74	.90	1.00	43.3	12.7	3.67	.77	.93	1.00	40.8	12.0	4.18	.79	.96	1.00
	1600	755	48.8	14.3	2.84	.77	.93	1.00	46.6	13.7	3.23	.78	.95	1.00	44.3	13.0	3.67	.81	.97	1.00	41.8	12.3	4.18	.83	1.00	1.00
	1800	850	49.8	14.6	2.84	.80	.97	1.00	47.6	14.0	3.23	.82	.99	1.00	45.3	13.3	3.67	.84	1.00	1.00	43.0	12.6	4.18	.87	1.00	1.00
67°F (19°C)	1400	660	50.8	14.9	2.84	.57	.71	.85	48.4	14.2	3.24	.58	.72	.87	45.9	13.5	3.68	.59	.74	.89	43.1	12.6	4.19	.60	.76	.93
	1600	755	51.7	15.2	2.84	.59	.74	.89	49.3	14.4	3.24	.60	.76	.92	46.6	13.7	3.69	.61	.78	.94	43.8	12.8	4.19	.63	.81	.97
	1800	850	52.4	15.4	2.84	.61	.78	.94	50.0	14.7	3.24	.62	.80	.96	47.3	13.9	3.68	.63	.82	.98	44.4	13.0	4.19	.65	.85	1.00
71°F (22°C)	1400	660	54.1	15.9	2.83	.42	.55	.68	51.6	15.1	3.24	.43	.56	.70	48.9	14.3	3.69	.43	.57	.72	46.0	13.5	4.20	.43	.59	.74
	1600	755	55.0	16.1	2.83	.43	.57	.72	52.4	15.4	3.24	.43	.59	.74	49.7	14.6	3.69	.44	.60	.76	46.7	13.7	4.20	.44	.61	.79
	1800	850	55.7	16.3	2.83	.44	.59	.75	53.1	15.6	3.24	.44	.61	.77	50.3	14.7	3.69	.45	.62	.80	47.2	13.8	4.20	.45	.64	.83

HP32-48 — CB30M-65 —CB30U-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	48.3	14.2	2.83	.73	.88	1.00	46.0	13.5	3.22	.75	.91	1.00	43.7	12.8	3.66	.77	.93	1.00	41.1	12.0	4.16	.79	.96	1.00
	1600	755	49.3	14.4	2.83	.77	.93	1.00	47.1	13.8	3.23	.78	.95	1.00	44.7	13.1	3.66	.81	.98	1.00	42.2	12.4	4.17	.83	1.00	1.00
	1800	850	50.3	14.7	2.83	.80	.97	1.00	48.0	14.1	3.22	.82	.99	1.00	45.8	13.4	3.66	.85	1.00	1.00	43.4	12.7	4.17	.87	1.00	1.00
67°F (19°C)	1400	660	51.3	15.0	2.83	.57	.71	.85	48.9	14.3	3.23	.58	.72	.87	46.3	13.6	3.67	.59	.74	.90	43.4	12.7	4.18	.60	.77	.93
	1600	755	52.2	15.3	2.83	.59	.74	.90	49.7	14.6	3.23	.60	.76	.92	47.1	13.8	3.67	.61	.78	.95	44.2	13.0	4.18	.63	.81	.98
	1800	850	52.9	15.5	2.83	.61	.78	.94	50.4	14.8	3.23	.62	.80	.96	47.7	14.0	3.67	.63	.82	.99	44.8	13.1	4.18	.65	.85	1.00
71°F (22°C)	1400	660	54.7	16.0	2.82	.42	.55	.68	52.1	15.3	3.23	.43	.56	.70	49.3	14.4	3.68	.43	.57	.72	46.4	13.6	4.19	.43	.59	.74
	1600	755	55.6	16.3	2.83	.43	.57	.72	52.9	15.5	3.23	.43	.59	.74	50.1	14.7	3.68	.44	.60	.76	47.0	13.8	4.19	.44	.62	.79
	1800	850	56.3	16.5	2.82	.44	.60	.76	53.6	15.7	3.23	.44	.61	.77	50.7	14.9	3.68	.45	.62	.80	47.5	13.9	4.19	.46	.64	.83

HP32-48 - CB31MV-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1400	660	54.8	16.1	3.66	44.6	13.1	3.56	34.4	10.1	3.50	24.0	7.0	3.05	12.5	3.7	2.38				
1600	755	54.2	15.9	3.06	44.0	12.9	2.96	33.8	9.9	2.90	23.4	6.9	2.45	11.9	3.5	1.77				
1800	850	55.4	16.2	3.43	45.2	13.2	3.33	35.0	10.3	3.27	24.6	7.2	2.82	13.1	3.8	2.14				

HP32-48 - CB30M-65 — CB30U-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW			
1400	660	55.2	16.2	3.82	45.2	13.2	3.72	35.1	10.3	3.66	24.8	7.3	3.20	13.0	3.8	2.51				
1600	755	54.2	15.9	3.11	44.2	13.0	3.01	34.1	10.0	2.95	23.8	7.0	2.49	12.0	3.5	1.80				
1800	850	55.8	16.4	3.57	45.8	13.4	3.47	35.7	10.5	3.41	25.4	7.4	2.95	13.6	4.0	2.26				

HP32-48 - CB31MV-51 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CB30M-65/CB30U-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CB31MV-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	49.2	14.4	2.83	.76	.91	1.00	46.9	13.7	3.22	.78	.93	1.00	44.5	13.0	3.66	.80	.96	1.00	41.9	12.3	4.16	.82	.98	1.00
	1600	755	50.3	14.7	2.83	.80	.96	1.00	48.0	14.1	3.22	.82	.98	1.00	45.5	13.3	3.66	.84	1.00	1.00	43.0	12.6	4.16	.86	1.00	1.00
	1800	850	51.3	15.0	2.83	.83	.99	1.00	49.0	14.4	3.22	.85	1.00	1.00	46.6	13.7	3.66	.87	1.00	1.00	44.2	13.0	4.16	.91	1.00	1.00
67°F (19°C)	1400	660	52.3	15.3	2.83	.59	.74	.88	49.8	14.6	3.23	.60	.75	.90	47.1	13.8	3.67	.61	.78	.92	44.2	13.0	4.18	.63	.80	.96
	1600	755	53.2	15.6	2.83	.61	.77	.92	50.7	14.9	3.23	.62	.79	.95	48.0	14.1	3.67	.64	.81	.97	45.0	13.2	4.17	.65	.84	1.00
	1800	850	54.0	15.8	2.83	.63	.81	.97	51.4	15.1	3.23	.65	.83	.99	48.6	14.2	3.67	.66	.85	1.00	45.6	13.4	4.18	.68	.88	1.00
71°F (22°C)	1400	660	55.8	16.4	2.82	.44	.58	.71	53.1	15.6	3.23	.44	.59	.73	50.3	14.7	3.68	.45	.60	.75	47.2	13.8	4.18	.45	.61	.77
	1600	755	56.7	16.6	2.82	.45	.60	.75	53.9	15.8	3.23	.45	.61	.77	51.0	14.9	3.68	.46	.63	.79	47.9	14.0	4.19	.46	.64	.82
	1800	850	57.4	16.8	2.82	.45	.62	.79	54.6	16.0	3.23	.46	.64	.81	51.6	15.1	3.68	.47	.65	.83	48.4	14.2	4.19	.47	.67	.86

HP32-48 — CVP10-46/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	44.1	12.9	2.82	.72	.88	1.00	42.1	12.3	3.20	.73	.90	1.00	39.9	11.7	3.62	.75	.93	1.00	37.5	11.0	4.12	.78	.96	1.00
	1600	755	45.0	13.2	2.81	.75	.93	1.00	43.0	12.6	3.19	.77	.95	1.00	40.9	12.0	3.62	.80	.98	1.00	38.5	11.3	4.12	.83	1.00	1.00
	1800	850	46.0	13.5	2.81	.79	.97	1.00	43.9	12.9	3.20	.81	.99	1.00	41.8	12.3	3.63	.84	1.00	1.00	39.5	11.6	4.13	.87	1.00	1.00
67°F (19°C)	1400	660	46.7	13.7	2.81	.56	.69	.84	44.5	13.0	3.20	.56	.71	.87	42.1	12.3	3.63	.58	.73	.89	39.5	11.6	4.13	.59	.75	.93
	1600	755	47.5	13.9	2.81	.58	.73	.89	45.2	13.2	3.20	.59	.75	.92	42.8	12.5	3.63	.60	.77	.95	40.1	11.8	4.13	.62	.80	.98
	1800	850	48.1	14.1	2.81	.59	.77	.94	45.9	13.5	3.20	.61	.79	.96	43.4	12.7	3.63	.62	.82	.99	40.6	11.9	4.14	.64	.85	1.00
71°F (22°C)	1400	660	49.7	14.6	2.81	.41	.54	.67	47.3	13.9	3.20	.41	.55	.69	44.8	13.1	3.64	.42	.56	.71	42.0	12.3	4.14	.42	.58	.73
	1600	755	50.4	14.8	2.81	.42	.56	.71	48.1	14.1	3.20	.42	.57	.72	45.5	13.3	3.64	.43	.59	.75	42.6	12.5	4.14	.43	.60	.78
	1800	850	51.1	15.0	2.81	.43	.58	.74	48.7	14.3	3.20	.43	.60	.76	46.0	13.5	3.64	.44	.61	.79	43.1	12.6	4.14	.44	.63	.83

HP32-48 - CB31MV-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1400	660	55.9	16.4	3.83	44.8	13.1	3.53	33.7	9.9	3.21	22.9	6.7	2.87	11.5	3.4	2.13					
1600	755	56.2	16.5	3.69	45.1	13.2	3.39	34.0	10.0	3.07	23.2	6.8	2.73	11.8	3.5	1.99					
1800	850	55.4	16.2	3.12	44.3	13.0	2.82	33.2	9.7	2.51	22.4	6.6	2.16	11.0	3.2	1.43					

HP32-48 - CVP10-46/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW									
1400	660	56.0	16.4	3.43	44.9	13.2	3.14	33.6	9.8	2.86	22.9	6.7	2.42	10.9	3.2	1.66					
1600	755	57.4	16.8	3.82	46.3	13.6	3.53	35.0	10.3	3.25	24.3	7.1	2.81	12.3	3.6	2.05					
1800	850	57.7	16.9	3.71	46.6	13.7	3.42	35.3	10.3	3.14	24.6	7.2	2.70	12.6	3.7	1.94					

HP32-48 - CB31MV-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CVP10-46/EC10Q4 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CVP10-51/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	44.8	13.1	2.72	.69	.86	1.00	42.8	12.5	3.10	.71	.89	1.00	40.6	11.9	3.52	.73	.92	1.00	38.3	11.2	4.00	.76	.95	1.00
	1600	755	45.8	13.4	2.72	.73	.92	1.00	43.8	12.8	3.10	.75	.94	1.00	41.6	12.2	3.52	.77	.97	1.00	39.2	11.5	4.00	.80	1.00	1.00
	1800	850	46.8	13.7	2.72	.77	.96	1.00	44.7	13.1	3.10	.79	.98	1.00	42.6	12.5	3.52	.82	1.00	1.00	40.3	11.8	4.00	.85	1.00	1.00
67°F (19°C)	1400	660	47.6	14.0	2.72	.54	.67	.82	45.4	13.3	3.10	.55	.69	.85	43.1	12.6	3.52	.56	.70	.88	40.4	11.8	4.01	.57	.73	.91
	1600	755	48.5	14.2	2.72	.56	.70	.88	46.2	13.5	3.10	.57	.72	.90	43.8	12.8	3.53	.58	.75	.94	41.1	12.0	4.02	.59	.78	.97
	1800	850	49.2	14.4	2.72	.58	.74	.92	46.9	13.7	3.11	.59	.76	.95	44.4	13.0	3.53	.60	.79	.98	41.7	12.2	4.02	.62	.83	1.00
71°F (22°C)	1400	660	50.7	14.9	2.72	.40	.52	.65	48.4	14.2	3.10	.40	.53	.66	45.9	13.5	3.53	.41	.55	.68	43.1	12.6	4.03	.41	.56	.70
	1600	755	51.6	15.1	2.72	.41	.54	.68	49.2	14.4	3.10	.41	.56	.70	46.6	13.7	3.54	.42	.57	.72	43.7	12.8	4.03	.42	.59	.75
	1800	850	52.3	15.3	2.72	.41	.57	.72	49.8	14.6	3.11	.42	.58	.74	47.1	13.8	3.54	.42	.59	.77	44.2	13.0	4.03	.43	.61	.80

HP32-48 — C26-51 - C33-60D COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	46.7	13.7	2.82	.74	.89	1.00	44.6	13.1	3.21	.76	.91	1.00	42.3	12.4	3.65	.78	.94	1.00	39.8	11.7	4.15	.80	.96	1.00
	1600	755	47.7	14.0	2.82	.78	.93	1.00	45.6	13.4	3.21	.79	.96	1.00	43.3	12.7	3.65	.82	.98	1.00	40.9	12.0	4.15	.84	1.00	1.00
	1800	850	48.7	14.3	2.82	.81	.97	1.00	46.6	13.7	3.21	.83	.99	1.00	44.4	13.0	3.65	.85	1.00	1.00	42.0	12.3	4.15	.88	1.00	1.00
67°F (19°C)	1400	660	49.5	14.5	2.82	.58	.72	.86	47.2	13.8	3.21	.59	.73	.88	44.7	13.1	3.66	.60	.75	.90	42.0	12.3	4.16	.61	.78	.93
	1600	755	50.4	14.8	2.82	.60	.75	.90	48.0	14.1	3.22	.61	.77	.93	45.5	13.3	3.66	.62	.79	.95	42.7	12.5	4.16	.64	.82	.98
	1800	850	51.1	15.0	2.82	.62	.79	.95	48.7	14.3	3.22	.63	.81	.97	46.1	13.5	3.66	.64	.84	.99	43.3	12.7	4.16	.66	.86	1.00
71°F (22°C)	1400	660	52.7	15.4	2.82	.43	.56	.70	50.3	14.7	3.22	.43	.57	.71	47.6	14.0	3.66	.43	.58	.73	44.7	13.1	4.17	.44	.60	.75
	1600	755	53.6	15.7	2.81	.43	.58	.73	51.1	15.0	3.22	.44	.59	.75	48.3	14.2	3.67	.44	.61	.77	45.4	13.3	4.17	.45	.63	.80
	1800	850	54.3	15.9	2.82	.44	.61	.77	51.7	15.2	3.22	.45	.62	.79	48.9	14.3	3.66	.45	.64	.81	45.9	13.5	4.17	.46	.66	.84

HP32-48 - CVP10-51/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	54.4	15.9	3.28	44.1	12.9	3.00	33.8	9.9	2.73	23.4	6.9	2.31	11.9	3.5	1.59
1600	755	54.3	15.9	3.65	44.0	12.9	3.37	33.7	9.9	3.10	23.3	6.8	2.68	11.8	3.5	1.96
1800	850	54.6	16.0	3.55	44.3	13.0	3.28	34.0	10.0	3.01	23.6	6.9	2.58	12.1	3.5	1.86

HP32-48 - C26-51 - C33-60D HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	54.5	16.0	3.71	44.4	13.0	3.60	34.3	10.1	3.54	24.1	7.1	3.08	12.5	3.7	2.40
1600	755	53.8	15.8	3.11	43.7	12.8	3.00	33.6	9.8	2.94	23.4	6.9	2.48	11.8	3.5	1.80
1800	850	55.1	16.1	3.47	45.0	13.2	3.37	34.9	10.2	3.31	24.7	7.2	2.85	13.1	3.8	2.16

HP32-48 - CVP10-51/EC10Q4 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - C26-51 - C33-60D HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — C26-65EAP COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1400	660	48.1	14.1	2.83	.74	.89	1.00	45.9	13.5	3.22	.76	.91	1.00	43.5	12.7	3.66	.78	.94	1.00	40.9	12.0	4.16	.80	.97	1.00
	1600	755	49.2	14.4	2.83	.78	.93	1.00	46.9	13.7	3.22	.79	.96	1.00	44.5	13.0	3.66	.82	.98	1.00	42.1	12.3	4.16	.84	1.00	1.00
	1800	850	50.2	14.7	2.83	.81	.97	1.00	48.0	14.1	3.22	.83	.99	1.00	45.7	13.4	3.66	.86	1.00	1.00	43.3	12.7	4.16	.89	1.00	1.00
67°F (19°C)	1400	660	51.0	14.9	2.83	.58	.72	.86	48.7	14.3	3.22	.58	.73	.88	46.1	13.5	3.67	.60	.75	.90	43.3	12.7	4.17	.61	.78	.94
	1600	755	52.0	15.2	2.83	.60	.75	.90	49.5	14.5	3.23	.61	.77	.93	46.9	13.7	3.67	.62	.79	.95	44.0	12.9	4.17	.64	.82	.98
	1800	850	52.8	15.5	2.82	.62	.79	.95	50.2	14.7	3.22	.63	.81	.97	47.5	13.9	3.67	.65	.84	.99	44.6	13.1	4.18	.66	.86	1.00
71°F (22°C)	1400	660	54.4	15.9	2.82	.43	.56	.69	51.8	15.2	3.23	.43	.57	.71	49.1	14.4	3.68	.43	.58	.73	46.1	13.5	4.18	.44	.60	.75
	1600	755	55.3	16.2	2.82	.44	.58	.73	52.7	15.4	3.23	.44	.59	.75	49.9	14.6	3.67	.44	.61	.77	46.8	13.7	4.18	.45	.63	.80
	1800	850	56.0	16.4	2.82	.44	.61	.77	53.4	15.6	3.23	.45	.62	.79	50.5	14.8	3.68	.45	.64	.81	47.3	13.9	4.19	.46	.66	.84

HP32-48 — CR26-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	45.1	13.2	2.82	.73	.88	.99	43.1	12.6	3.20	.74	.90	1.00	40.9	12.0	3.62	.76	.92	1.00	38.5	11.3	4.12	.79	.95	1.00
	1600	755	46.1	13.5	2.81	.76	.92	1.00	44.0	12.9	3.20	.78	.94	1.00	41.8	12.3	3.62	.80	.96	1.00	39.3	11.5	4.12	.83	.99	1.00
	1800	850	47.0	13.8	2.81	.79	.95	1.00	44.9	13.2	3.19	.81	.97	1.00	42.6	12.5	3.63	.83	.99	1.00	40.3	11.8	4.12	.87	1.00	1.00
67°F (19°C)	1400	660	48.0	14.1	2.81	.57	.70	.84	45.8	13.4	3.20	.57	.72	.87	43.3	12.7	3.63	.59	.74	.89	40.7	11.9	4.13	.60	.76	.92
	1600	755	48.8	14.3	2.81	.58	.74	.89	46.5	13.6	3.20	.59	.75	.91	44.0	12.9	3.63	.61	.77	.94	41.3	12.1	4.13	.62	.80	.97
	1800	850	49.4	14.5	2.81	.60	.77	.93	47.1	13.8	3.20	.61	.79	.95	44.6	13.1	3.63	.63	.81	.97	41.8	12.3	4.14	.64	.84	.99
71°F (22°C)	1400	660	51.1	15.0	2.81	.42	.55	.68	48.7	14.3	3.20	.42	.56	.70	46.2	13.5	3.64	.43	.57	.71	43.4	12.7	4.14	.43	.58	.74
	1600	755	51.9	15.2	2.81	.43	.57	.71	49.5	14.5	3.20	.43	.58	.73	46.8	13.7	3.64	.44	.59	.75	44.0	12.9	4.14	.44	.61	.78
	1800	850	52.5	15.4	2.81	.43	.59	.74	50.1	14.7	3.20	.44	.60	.77	47.4	13.9	3.64	.44	.62	.79	44.4	13.0	4.15	.45	.64	.82

HP32-48 - C26-65EAP HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1400	660	54.6	16.0	3.65	44.5	13.0	3.55	34.4	10.1	3.48	24.1	7.1	3.03	12.5	3.7	2.36					
1600	755	53.9	15.8	3.06	43.8	12.8	2.96	33.7	9.9	2.89	23.4	6.9	2.44	11.8	3.5	1.77					
1800	850	55.2	16.2	3.42	45.1	13.2	3.32	35.0	10.3	3.25	24.7	7.2	2.80	13.1	3.8	2.13					

HP32-48 - CR26-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW									
1400	660	54.9	16.1	4.09	45.0	13.2	3.95	34.9	10.2	3.86	24.7	7.2	3.35	12.9	3.8	2.63					
1600	755	54.0	15.8	3.36	44.1	12.9	3.22	34.0	10.0	3.13	23.8	7.0	2.63	12.0	3.5	1.91					
1800	850	55.5	16.3	3.82	45.6	13.4	3.68	35.5	10.4	3.59	25.3	7.4	3.09	13.5	4.0	2.37					

HP32-48 - C26-65EAP HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CR26-51 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CR26-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	47.1	13.8	2.83	.74	.89	1.00	45.0	13.2	3.21	.76	.91	1.00	42.7	12.5	3.65	.77	.93	1.00	40.2	11.8	4.15	.80	.96	1.00
	1600	755	48.2	14.1	2.83	.77	.93	1.00	46.0	13.5	3.22	.79	.95	1.00	43.7	12.8	3.65	.81	.98	1.00	41.2	12.1	4.15	.84	1.00	1.00
	1800	850	49.1	14.4	2.82	.81	.97	1.00	47.0	13.8	3.22	.83	.99	1.00	44.7	13.1	3.65	.85	1.00	1.00	42.3	12.4	4.15	.88	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.82	.58	.72	.86	47.7	14.0	3.22	.59	.73	.88	45.2	13.2	3.66	.60	.75	.90	42.4	12.4	4.16	.61	.78	.93
	1600	755	50.9	14.9	2.82	.60	.75	.90	48.5	14.2	3.22	.61	.77	.92	45.9	13.5	3.66	.62	.79	.95	43.1	12.6	4.17	.64	.82	.98
	1800	850	51.6	15.1	2.82	.62	.79	.94	49.2	14.4	3.22	.63	.81	.96	46.6	13.7	3.67	.64	.83	.98	43.7	12.8	4.17	.66	.86	1.00
71°F (22°C)	1400	660	53.3	15.6	2.82	.43	.56	.69	50.9	14.9	3.22	.43	.57	.71	48.2	14.1	3.67	.43	.58	.73	45.2	13.2	4.18	.44	.60	.75
	1600	755	54.2	15.9	2.82	.43	.58	.73	51.7	15.2	3.22	.44	.59	.75	48.9	14.3	3.67	.44	.61	.77	45.9	13.5	4.17	.45	.62	.80
	1800	850	54.9	16.1	2.82	.44	.60	.76	52.2	15.3	3.22	.45	.62	.78	49.4	14.5	3.67	.45	.63	.81	46.4	13.6	4.18	.46	.65	.84

HP32-48 — CH33-44B-F - CH33-50C-F - CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1400	660	45.9	13.5	2.82	.73	.89	1.00	43.8	12.8	3.20	.75	.91	1.00	41.4	12.1	3.64	.76	.94	1.00	38.9	11.4	4.14	.79	.98	1.00
	1600	755	46.9	13.7	2.82	.76	.94	1.00	44.8	13.1	3.21	.79	.96	1.00	42.4	12.4	3.64	.81	.99	1.00	40.0	11.7	4.14	.84	1.00	1.00
	1800	850	47.9	14.0	2.82	.80	.98	1.00	45.8	13.4	3.21	.83	.99	1.00	43.5	12.7	3.64	.85	1.00	1.00	41.1	12.0	4.14	.89	1.00	1.00
67°F (19°C)	1400	660	48.5	14.2	2.82	.56	.71	.86	46.2	13.5	3.21	.57	.72	.88	43.7	12.8	3.64	.58	.74	.91	40.9	12.0	4.15	.60	.77	.95
	1600	755	49.4	14.5	2.82	.59	.74	.91	47.0	13.8	3.21	.60	.76	.93	44.4	13.0	3.65	.61	.79	.96	41.6	12.2	4.15	.63	.82	.99
	1800	850	50.1	14.7	2.81	.61	.78	.95	47.7	14.0	3.21	.62	.80	.98	45.0	13.2	3.65	.63	.83	.99	42.1	12.3	4.16	.66	.87	1.00
71°F (22°C)	1400	660	51.7	15.2	2.81	.42	.55	.68	49.2	14.4	3.21	.42	.56	.70	46.5	13.6	3.65	.42	.57	.72	43.5	12.7	4.16	.43	.59	.75
	1600	755	52.5	15.4	2.81	.42	.57	.72	50.0	14.7	3.21	.43	.58	.74	47.1	13.8	3.66	.43	.60	.76	44.1	12.9	4.16	.44	.62	.79
	1800	850	53.1	15.6	2.81	.43	.60	.76	50.5	14.8	3.21	.44	.61	.78	47.6	14.0	3.66	.44	.63	.81	44.6	13.1	4.16	.45	.65	.84

HP32-48 - CR26-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	55.3	16.2	3.58	45.1	13.2	3.63	34.8	10.2	3.71	24.5	7.2	3.40	12.7	3.7	2.60
1600	755	54.6	16.0	2.98	44.4	13.0	3.03	34.1	10.0	3.11	23.8	7.0	2.80	12.0	3.5	2.00
1800	850	56.0	16.4	3.35	45.8	13.4	3.40	35.5	10.4	3.48	25.2	7.4	3.17	13.4	3.9	2.37

HP32-48 - CH33-44B-F - CH33-50C-F - CH23-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
1400	660	56.5	16.6	3.89	46.2	13.5	3.79	35.9	10.5	3.73	25.4	7.4	3.25	13.2	3.9	2.53
1600	755	55.7	16.3	3.26	45.4	13.3	3.15	35.1	10.3	3.09	24.6	7.2	2.61	12.4	3.6	1.89
1800	850	57.1	16.7	3.64	46.8	13.7	3.54	36.5	10.7	3.48	26.0	7.6	3.00	13.8	4.0	2.28

HP32-48 - CR26-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-48 - CH33-44B-F - CH33-50C-F - CH23-65 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-48 — CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	48.8	14.3	2.83	.75	.90	1.00	46.5	13.6	3.23	.77	.92	1.00	44.0	12.9	3.67	.79	.95	1.00	41.4	12.1	4.17	.81	.98	1.00
	1600	755	49.9	14.6	2.83	.79	.95	1.00	47.6	14.0	3.23	.81	.97	1.00	45.2	13.2	3.67	.83	.99	1.00	42.7	12.5	4.17	.86	1.00	1.00
	1800	850	51.0	14.9	2.83	.83	.99	1.00	48.8	14.3	3.23	.85	1.00	1.00	46.5	13.6	3.67	.87	1.00	1.00	43.9	12.9	4.17	.90	1.00	1.00
67°F (19°C)	1400	660	51.8	15.2	2.83	.58	.73	.87	49.3	14.4	3.23	.59	.74	.89	46.6	13.7	3.67	.61	.77	.92	43.7	12.8	4.18	.62	.79	.95
	1600	755	52.8	15.5	2.83	.61	.77	.92	50.2	14.7	3.23	.62	.79	.94	47.5	13.9	3.67	.63	.81	.97	44.4	13.0	4.18	.65	.84	1.00
	1800	850	53.6	15.7	2.83	.63	.80	.96	50.9	14.9	3.23	.64	.83	.98	48.1	14.1	3.68	.66	.85	1.00	45.1	13.2	4.18	.68	.88	1.00
71°F (22°C)	1400	660	55.2	16.2	2.82	.43	.57	.70	52.5	15.4	3.23	.44	.58	.72	49.7	14.6	3.68	.44	.59	.74	46.5	13.6	4.19	.45	.61	.77
	1600	755	56.1	16.4	2.82	.44	.59	.74	53.4	15.6	3.23	.44	.60	.76	50.4	14.8	3.68	.45	.62	.79	47.2	13.8	4.19	.46	.64	.82
	1800	850	56.8	16.6	2.82	.45	.62	.78	54.0	15.8	3.23	.46	.63	.80	51.0	14.9	3.68	.46	.65	.83	47.7	14.0	4.20	.47	.67	.86

HP32-60 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	54.1	15.9	3.95	.70	.86	.99	51.7	15.2	4.47	.72	.88	1.00	49.0	14.4	5.06	.74	.91	1.00	46.1	13.5	5.76	.76	.94	1.00
	1950	920	55.1	16.1	3.96	.73	.90	1.00	52.6	15.4	4.48	.75	.92	1.00	49.8	14.6	5.08	.77	.95	1.00	46.9	13.7	5.76	.80	.98	1.00
	2150	1015	56.0	16.4	3.97	.76	.93	1.00	53.4	15.6	4.49	.78	.96	1.00	50.6	14.8	5.08	.80	.98	1.00	47.9	14.0	5.77	.84	1.00	1.00
67°F (19°C)	1750	825	57.4	16.8	3.98	.55	.68	.82	54.7	16.0	4.51	.56	.69	.85	51.8	15.2	5.10	.57	.71	.88	48.7	14.3	5.79	.58	.74	.91
	1950	920	58.2	17.1	3.99	.56	.71	.86	55.5	16.3	4.51	.57	.72	.89	52.5	15.4	5.11	.58	.75	.92	49.2	14.4	5.80	.60	.77	.95
	2150	1015	59.0	17.3	3.99	.58	.73	.90	56.1	16.4	4.52	.59	.76	.93	53.0	15.5	5.12	.60	.78	.96	49.8	14.6	5.81	.62	.81	.99
71°F (22°C)	1750	825	61.1	17.9	4.02	.41	.53	.66	58.2	17.1	4.54	.41	.54	.67	55.1	16.1	5.14	.41	.55	.69	51.7	15.2	5.83	.42	.57	.71
	1950	920	62.0	18.2	4.03	.41	.55	.68	59.0	17.3	4.54	.42	.56	.70	55.8	16.4	5.15	.42	.57	.72	52.2	15.3	5.85	.43	.59	.75
	2150	1015	62.7	18.4	4.03	.42	.56	.71	59.6	17.5	4.56	.42	.58	.73	56.3	16.5	5.16	.43	.59	.76	52.7	15.4	5.85	.43	.61	.79

HP32-48 - CH23-68 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1400	660	56.7	16.6	3.66	44.4	13.0	3.37	32.0	9.4	3.08	20.6	6.0	2.74	10.5	3.1	2.03					
1600	755	57.1	16.7	3.54	44.8	13.1	3.25	32.4	9.5	2.96	21.0	6.2	2.62	10.9	3.2	1.91					
1800	850	56.4	16.5	3.02	44.1	12.9	2.73	31.7	9.3	2.44	20.3	5.9	2.10	10.2	3.0	1.39					

HP32-60 - CB31MV-51 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1800	850	69.8	20.5	4.90	55.3	16.2	4.46	40.7	11.9	4.04	27.0	7.9	3.42	13.7	4.0	2.55					
2000	945	70.1	20.5	4.76	55.6	16.3	4.32	41.0	12.0	3.90	27.3	8.0	3.28	14.0	4.1	2.41					
2200	1040	70.3	20.6	4.65	55.8	16.4	4.21	41.2	12.1	3.79	27.5	8.1	3.17	14.2	4.2	2.30					

HP32-48 - CH23-68 HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

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

HP32-60 - CB31MV-51 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-60 — CB31MV-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	54.6	16.0	3.96	.70	.86	.99	52.0	15.2	4.47	.72	.88	1.00	49.3	14.4	5.06	.74	.91	1.00	46.3	13.6	5.75	.76	.95	1.00
	1950	920	55.5	16.3	3.96	.73	.90	1.00	52.9	15.5	4.48	.75	.92	1.00	50.1	14.7	5.07	.77	.95	1.00	47.2	13.8	5.76	.80	.98	1.00
	2150	1015	56.4	16.5	3.96	.76	.93	1.00	53.8	15.8	4.49	.78	.96	1.00	51.0	14.9	5.08	.80	.98	1.00	48.1	14.1	5.77	.83	1.00	1.00
67°F (19°C)	1750	825	57.9	17.0	3.98	.55	.68	.82	55.1	16.1	4.50	.56	.69	.85	52.1	15.3	5.10	.57	.71	.88	48.9	14.3	5.78	.58	.74	.91
	1950	920	58.7	17.2	3.99	.56	.71	.86	55.8	16.4	4.51	.57	.72	.89	52.8	15.5	5.10	.58	.75	.92	49.5	14.5	5.80	.60	.78	.95
	2150	1015	59.4	17.4	3.99	.58	.73	.90	56.5	16.6	4.51	.59	.75	.93	53.4	15.6	5.12	.60	.78	.96	50.0	14.7	5.81	.62	.81	.99
71°F (22°C)	1750	825	61.6	18.1	4.01	.41	.53	.66	58.6	17.2	4.54	.41	.54	.67	55.4	16.2	5.14	.41	.55	.69	51.9	15.2	5.83	.42	.57	.71
	1950	920	62.5	18.3	4.02	.41	.55	.68	59.4	17.4	4.55	.42	.56	.70	56.1	16.4	5.14	.42	.57	.72	52.5	15.4	5.85	.43	.59	.75
	2150	1015	63.1	18.5	4.03	.42	.56	.71	60.0	17.6	4.55	.42	.58	.73	56.6	16.6	5.16	.43	.59	.76	53.0	15.5	5.85	.44	.61	.79

HP32-60 — CB30M-51 — CB30U-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW
63°F (17°C)	1750	825	55.3	16.2	3.97	.74	.89	1.00	52.5	15.4	4.49	.76	.91	1.00	49.5	14.5	5.08	.78	.94	1.00	46.2	13.5	5.76	.81	.97	1.00
	1950	920	56.3	16.5	3.97	.77	.92	1.00	53.4	15.6	4.50	.79	.95	1.00	50.4	14.8	5.09	.81	.97	1.00	47.2	13.8	5.77	.84	1.00	1.00
	2150	1015	57.2	16.8	3.98	.79	.96	1.00	54.3	15.9	4.50	.82	.98	1.00	51.3	15.0	5.10	.84	1.00	1.00	48.2	14.1	5.79	.88	1.00	1.00
67°F (19°C)	1750	825	58.6	17.2	4.00	.57	.72	.86	55.6	16.3	4.52	.58	.73	.88	52.3	15.3	5.11	.60	.76	.91	48.6	14.2	5.80	.61	.78	.95
	1950	920	59.4	17.4	4.00	.59	.74	.89	56.3	16.5	4.52	.60	.76	.92	52.9	15.5	5.12	.62	.79	.95	49.1	14.4	5.81	.63	.82	.98
	2150	1015	60.1	17.6	4.01	.61	.77	.93	56.9	16.7	4.53	.62	.80	.95	53.5	15.7	5.13	.64	.82	.98	49.7	14.6	5.81	.66	.86	1.00
71°F (22°C)	1750	825	62.4	18.3	4.03	.43	.56	.69	59.1	17.3	4.55	.43	.57	.71	55.6	16.3	5.15	.43	.58	.73	51.6	15.1	5.84	.44	.60	.76
	1950	920	63.2	18.5	4.04	.43	.58	.72	59.8	17.5	4.56	.44	.59	.74	56.1	16.4	5.16	.44	.60	.77	52.2	15.3	5.84	.45	.63	.80
	2150	1015	63.9	18.7	4.04	.44	.59	.75	60.4	17.7	4.57	.44	.61	.77	56.7	16.6	5.16	.45	.63	.80	52.6	15.4	5.85	.46	.65	.84

HP32-60 - CB31MV-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input
1800	850	70.3	20.6	4.98	56.0	16.4	4.53	41.6	12.2	4.08	27.8	8.1	3.50	14.1	4.1	2.61	14.1	4.1	2.61	
2000	945	70.5	20.7	4.84	56.2	16.5	4.39	41.8	12.3	3.94	28.0	8.2	3.36	14.3	4.2	2.47	14.3	4.2	2.47	
2200	1040	70.8	20.7	4.73	56.5	16.6	4.28	42.1	12.3	3.83	28.3	8.3	3.25	14.6	4.3	2.36	14.6	4.3	2.36	

HP32-060 - CB30M-51 — CB30U-51 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input
1800	850	70.8	20.7	4.64	54.5	16.0	4.52	37.3	10.9	4.44	27.0	7.9	3.98	13.6	4.0	3.02	13.6	4.0	3.02	
2000	945	71.3	20.9	4.10	55.0	16.1	3.99	37.8	11.1	3.90	27.5	8.1	3.44	14.1	4.1	2.48	14.1	4.1	2.48	
2200	1040	71.6	21.0	4.01	55.3	16.2	3.89	38.1	11.2	3.81	27.8	8.1	3.35	14.4	4.2	2.39	14.4	4.2	2.39	

HP32-60 - CB31MV-65 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

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

HP32-60 - CB30M-51/CB30U-51 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-60 — CB30M-65 — CB30U-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	57.1	16.7	3.99	.74	.88	.99	54.5	16.0	4.51	.75	.90	1.00	51.7	15.2	5.10	.77	.92	1.00	48.6	14.2	5.80	.80	.95	1.00
	1950	920	58.2	17.1	3.99	.76	.91	1.00	55.5	16.3	4.52	.78	.93	1.00	52.6	15.4	5.12	.80	.96	1.00	49.5	14.5	5.81	.83	.98	1.00
	2150	1015	59.1	17.3	4.00	.79	.94	1.00	56.3	16.5	4.53	.81	.96	1.00	53.4	15.6	5.13	.83	.99	1.00	50.5	14.8	5.82	.86	1.00	1.00
67°F (19°C)	1750	825	60.6	17.8	4.01	.58	.71	.85	57.7	16.9	4.54	.59	.73	.87	54.7	16.0	5.14	.60	.75	.89	51.3	15.0	5.83	.61	.77	.92
	1950	920	61.5	18.0	4.02	.59	.74	.88	58.5	17.1	4.55	.60	.76	.91	55.4	16.2	5.15	.61	.78	.93	51.9	15.2	5.85	.63	.81	.96
	2150	1015	62.2	18.2	4.03	.61	.77	.92	59.2	17.3	4.56	.62	.79	.94	56.0	16.4	5.16	.63	.81	.96	52.5	15.4	5.86	.65	.84	.99
71°F (22°C)	1750	825	64.5	18.9	4.05	.43	.56	.69	61.4	18.0	4.58	.43	.57	.71	58.1	17.0	5.18	.44	.58	.73	54.5	16.0	5.88	.44	.60	.75
	1950	920	65.4	19.2	4.05	.43	.58	.72	62.2	18.2	4.59	.44	.59	.74	58.8	17.2	5.19	.44	.60	.76	55.1	16.1	5.90	.45	.62	.78
	2150	1015	66.1	19.4	4.06	.44	.59	.75	62.9	18.4	4.59	.44	.61	.76	59.3	17.4	5.20	.45	.62	.79	55.6	16.3	5.90	.46	.64	.82

HP32-60 — CVP10-51/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	52.3	15.3	3.93	.71	.87	.99	49.9	14.6	4.45	.73	.89	1.00	47.3	13.9	5.04	.75	.91	1.00	44.5	13.0	5.71	.77	.95	1.00
	1950	920	53.3	15.6	3.94	.74	.90	1.00	50.8	14.9	4.45	.75	.92	1.00	48.2	14.1	5.04	.78	.95	1.00	45.3	13.3	5.73	.81	.98	1.00
	2150	1015	54.1	15.9	3.94	.76	.94	1.00	51.6	15.1	4.46	.78	.96	1.00	49.0	14.4	5.05	.81	.98	1.00	46.2	13.5	5.74	.84	1.00	1.00
67°F (19°C)	1750	825	55.5	16.3	3.95	.55	.69	.83	52.8	15.5	4.48	.56	.70	.85	49.9	14.6	5.07	.57	.72	.88	46.9	13.7	5.75	.59	.74	.91
	1950	920	56.2	16.5	3.96	.57	.71	.87	53.5	15.7	4.48	.58	.73	.89	50.6	14.8	5.07	.59	.75	.92	47.5	13.9	5.76	.61	.78	.95
	2150	1015	56.9	16.7	3.97	.58	.74	.91	54.2	15.9	4.49	.59	.76	.93	51.2	15.0	5.08	.61	.79	.96	48.0	14.1	5.76	.63	.82	.98
71°F (22°C)	1750	825	59.0	17.3	3.98	.41	.54	.66	56.1	16.4	4.51	.42	.55	.68	53.1	15.6	5.11	.42	.56	.70	49.8	14.6	5.79	.42	.57	.72
	1950	920	59.8	17.5	4.00	.42	.55	.69	56.9	16.7	4.52	.42	.57	.71	53.8	15.8	5.11	.42	.58	.73	50.4	14.8	5.80	.43	.59	.76
	2150	1015	60.4	17.7	4.00	.42	.57	.72	57.4	16.8	4.52	.43	.58	.74	54.3	15.9	5.12	.43	.60	.76	50.9	14.9	5.81	.44	.61	.79

HP32-60 - CB30M-65 —CB30U-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1800	850	69.5	20.4	4.80	56.8	16.6	4.61	44.0	12.9	4.46	31.0	9.1	3.93	16.0	4.7	3.01					
2000	945	68.9	20.2	4.23	56.2	16.5	4.04	43.4	12.7	3.89	30.4	8.9	3.36	15.4	4.5	2.44					
2200	1040	70.1	20.5	4.55	57.4	16.8	4.37	44.6	13.1	4.21	31.6	9.3	3.68	16.6	4.9	2.76					

HP32-60 - CVP10-51/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW									
1800	850	69.4	20.3	4.45	55.1	16.1	4.02	40.7	11.9	3.60	27.1	7.9	3.00	13.2	3.9	2.13					
2000	945	70.8	20.7	4.74	56.5	16.6	4.31	42.1	12.3	3.88	28.5	8.4	3.28	14.6	4.3	2.41					
2200	1040	71.1	20.8	4.63	56.8	16.6	4.20	42.4	12.4	3.78	28.8	8.4	3.18	14.9	4.4	2.31					

HP32-60 - CB30M-65/CB30U-65 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

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

HP32-60 - CVP10-51/EC10Q4 HEATING PERFORMANCE AT 2000 cfm (944 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-60 — CVP10-65/EC10Q4 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	56.6	16.6	3.99	.75	.89	.99	54.0	15.8	4.51	.76	.91	1.00	51.3	15.0	5.10	.78	.93	1.00	48.5	14.2	5.79	.81	.96	1.00
	1950	920	57.6	16.9	3.99	.78	.93	1.00	55.0	16.1	4.51	.79	.95	1.00	52.3	15.3	5.11	.81	.97	1.00	49.4	14.5	5.81	.84	.99	1.00
	2150	1015	58.6	17.2	4.00	.80	.95	1.00	56.0	16.4	4.52	.82	.97	1.00	53.3	15.6	5.12	.84	.99	1.00	50.4	14.8	5.81	.87	1.00	1.00
67°F (19°C)	1750	825	59.8	17.5	4.00	.58	.73	.86	57.1	16.7	4.54	.59	.74	.88	54.1	15.9	5.14	.60	.76	.90	50.9	14.9	5.83	.61	.78	.93
	1950	920	60.7	17.8	4.02	.60	.75	.90	57.9	17.0	4.54	.61	.77	.92	54.9	16.1	5.14	.62	.79	.94	51.6	15.1	5.84	.64	.82	.97
	2150	1015	61.5	18.0	4.02	.62	.78	.93	58.6	17.2	4.55	.63	.80	.95	55.5	16.3	5.15	.64	.82	.97	52.2	15.3	5.84	.66	.85	.99
71°F (22°C)	1750	825	63.7	18.7	4.04	.43	.57	.70	60.7	17.8	4.57	.43	.57	.72	57.5	16.9	5.17	.44	.59	.74	54.1	15.9	5.87	.44	.60	.76
	1950	920	64.5	18.9	4.04	.44	.58	.73	61.4	18.0	4.58	.44	.60	.75	58.2	17.1	5.18	.45	.61	.77	54.7	16.0	5.88	.45	.63	.80
	2150	1015	65.2	19.1	4.05	.44	.60	.76	62.1	18.2	4.58	.45	.62	.78	58.8	17.2	5.19	.45	.63	.80	55.2	16.2	5.88	.46	.65	.83

HP32-60 — C33-62D - C26-65EAP COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	57.1	16.7	3.98	.74	.88	1.00	54.4	15.9	4.50	.75	.90	1.00	51.5	15.1	5.10	.77	.93	1.00	48.4	14.2	5.79	.79	.96	1.00
	1950	920	58.1	17.0	3.99	.76	.92	1.00	55.4	16.2	4.51	.78	.94	1.00	52.5	15.4	5.11	.80	.96	1.00	49.4	14.5	5.80	.83	.99	1.00
	2150	1015	59.1	17.3	4.00	.79	.95	1.00	56.3	16.5	4.52	.81	.97	1.00	53.4	15.6	5.12	.83	.99	1.00	50.4	14.8	5.81	.86	1.00	1.00
67°F (19°C)	1750	825	60.5	17.7	4.01	.57	.71	.85	57.6	16.9	4.53	.58	.73	.87	54.4	15.9	5.13	.59	.75	.90	51.0	14.9	5.83	.61	.77	.93
	1950	920	61.4	18.0	4.01	.59	.74	.89	58.4	17.1	4.54	.60	.76	.91	55.2	16.2	5.15	.61	.78	.94	51.7	15.2	5.84	.63	.81	.97
	2150	1015	62.2	18.2	4.02	.60	.77	.92	59.1	17.3	4.55	.62	.79	.94	55.8	16.4	5.16	.63	.81	.97	52.2	15.3	5.84	.65	.84	.99
71°F (22°C)	1750	825	64.4	18.9	4.04	.43	.56	.69	61.2	17.9	4.57	.43	.57	.70	57.9	17.0	5.17	.43	.58	.72	54.2	15.9	5.88	.44	.60	.75
	1950	920	65.3	19.1	4.05	.43	.57	.72	62.0	18.2	4.58	.44	.59	.73	58.5	17.1	5.19	.44	.60	.76	54.8	16.1	5.88	.45	.62	.79
	2150	1015	66.0	19.3	4.06	.44	.59	.74	62.7	18.4	4.59	.44	.60	.77	59.2	17.3	5.19	.45	.62	.79	55.3	16.2	5.89	.46	.64	.82

HP32-60 - CVP10-65/EC10Q4 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
1800	850	69.4	20.3	4.73	56.4	16.5	4.54	43.3	12.7	4.38	30.3	8.9	3.85	15.6	4.6	2.95				
2000	945	68.8	20.2	4.17	55.8	16.4	3.98	42.7	12.5	3.82	29.7	8.7	3.29	15.0	4.4	2.39				
2200	1040	70.0	20.5	4.49	57.0	16.7	4.30	43.9	12.9	4.14	30.9	9.1	3.61	16.2	4.7	2.71				

HP32-60 - C33-62D - C26-65EAP HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
1800	850	69.2	20.3	4.68	56.5	16.6	4.49	43.7	12.8	4.34	30.9	9.1	3.82	15.9	4.7	2.91				
2000	945	68.5	20.1	4.15	55.8	16.4	3.96	43.0	12.6	3.81	30.2	8.9	3.29	15.2	4.5	2.38				
2200	1040	69.8	20.5	4.43	57.1	16.7	4.25	44.3	13.0	4.09	31.5	9.2	3.57	16.5	4.8	2.67				

HP32-60 - CVP10-65/EC10Q4 HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

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

HP32-60 - C33-62D - C26-65EAP HEATING PERFORMANCE at 2000 cfm (944 L/s) Indoor Coil Air Volume

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

RATINGS

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

HP32-60 — CR26-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	53.0	15.5	3.94	.71	.86	.99	50.5	14.8	4.46	.72	.89	1.00	47.8	14.0	5.05	.74	.92	1.00	44.9	13.2	5.73	.77	.95	1.00
	1950	920	53.9	15.8	3.95	.73	.90	1.00	51.4	15.1	4.46	.75	.93	1.00	48.7	14.3	5.05	.77	.95	1.00	45.7	13.4	5.74	.80	.98	1.00
	2150	1015	54.7	16.0	3.95	.76	.94	1.00	52.2	15.3	4.47	.78	.96	1.00	49.5	14.5	5.06	.81	.98	1.00	46.6	13.7	5.74	.84	1.00	1.00
67°F (19°C)	1750	825	56.1	16.4	3.97	.55	.68	.83	53.4	15.6	4.49	.56	.70	.85	50.5	14.8	5.08	.57	.72	.88	47.3	13.9	5.76	.58	.74	.92
	1950	920	56.9	16.7	3.97	.56	.71	.87	54.1	15.9	4.49	.57	.73	.89	51.1	15.0	5.08	.59	.75	.93	47.9	14.0	5.77	.60	.78	.96
	2150	1015	57.5	16.9	3.98	.58	.74	.91	54.7	16.0	4.50	.59	.76	.93	51.7	15.2	5.09	.60	.78	.96	48.3	14.2	5.78	.62	.82	.99
71°F (22°C)	1750	825	59.7	17.5	4.00	.41	.53	.66	56.8	16.6	4.52	.41	.54	.68	53.7	15.7	5.11	.42	.56	.70	50.2	14.7	5.80	.42	.57	.72
	1950	920	60.5	17.7	4.00	.41	.55	.69	57.5	16.9	4.53	.42	.56	.71	54.3	15.9	5.12	.42	.57	.73	50.8	14.9	5.81	.43	.59	.76
	2150	1015	61.1	17.9	4.01	.42	.57	.71	58.1	17.0	4.53	.42	.58	.73	54.8	16.1	5.13	.43	.59	.76	51.2	15.0	5.83	.44	.61	.80

HP32-60 — CH33-62D-F - CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1750	825	55.4	16.2	3.95	.71	.87	1.00	52.8	15.5	4.48	.72	.89	1.00	49.9	14.6	5.07	.75	.93	1.00	46.8	13.7	5.76	.77	.96	1.00
	1950	920	56.4	16.5	3.97	.74	.91	1.00	53.7	15.7	4.49	.76	.94	1.00	50.9	14.9	5.08	.78	.97	1.00	47.9	14.0	5.77	.81	.99	1.00
	2150	1015	57.4	16.8	3.97	.77	.95	1.00	54.7	16.0	4.50	.79	.98	1.00	51.9	15.2	5.09	.82	1.00	1.00	49.0	14.4	5.78	.85	1.00	1.00
67°F (19°C)	1750	825	58.7	17.2	3.99	.55	.69	.83	55.8	16.4	4.51	.56	.70	.86	52.7	15.4	5.11	.57	.72	.89	49.4	14.5	5.79	.59	.75	.93
	1950	920	59.6	17.5	4.00	.57	.71	.88	56.6	16.6	4.52	.58	.73	.91	53.4	15.6	5.11	.59	.76	.94	50.0	14.7	5.80	.61	.79	.97
	2150	1015	60.3	17.7	4.01	.58	.74	.92	57.3	16.8	4.53	.60	.77	.95	54.0	15.8	5.12	.61	.80	.98	50.5	14.8	5.81	.63	.83	1.00
71°F (22°C)	1750	825	62.5	18.3	4.02	.41	.54	.66	59.3	17.4	4.55	.41	.55	.68	56.0	16.4	5.15	.42	.56	.70	52.4	15.4	5.84	.42	.57	.72
	1950	920	63.3	18.6	4.04	.42	.55	.69	60.0	17.6	4.56	.42	.57	.71	56.6	16.6	5.16	.42	.58	.73	53.0	15.5	5.85	.43	.60	.77
	2150	1015	63.9	18.7	4.04	.42	.57	.72	60.7	17.8	4.57	.43	.59	.74	57.2	16.8	5.16	.43	.60	.77	53.5	15.7	5.86	.44	.62	.81

HP32-60 - CR26-65 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW						
1800	850	70.9	20.8	4.95	56.5	16.6	4.56	42.0	12.3	4.18	28.3	8.3	3.56	14.3	4.2	2.65					
2000	945	71.2	20.9	4.81	56.8	16.6	4.42	42.3	12.4	4.04	28.6	8.4	3.42	14.6	4.3	2.51					
2200	1040	61.5	18.0	4.71	47.1	13.8	4.32	32.6	9.6	3.94	18.9	5.5	3.32	4.9	1.4	2.41					

HP32-60 - CH23-68 HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input					
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW									
1800	850	71.1	20.8	4.70	56.6	16.6	4.32	42.1	12.3	3.96	28.3	8.3	3.38	14.3	4.2	2.51					
2000	945	71.4	20.9	4.57	56.9	16.7	4.19	42.4	12.4	3.83	28.6	8.4	3.25	14.6	4.3	2.38					
2200	1040	71.6	21.0	4.47	57.1	16.7	4.09	42.6	12.5	3.73	28.8	8.4	3.14	14.8	4.3	2.28					

HP32-60 - CR26-65 HEATING PERFORMANCE

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

HP32-60 - CH23-68 HEATING PERFORMANCE

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