



## ENGINEERING DATA

## HEAT PUMP OUTDOOR UNITS

**10HPB**

MERIT® Series

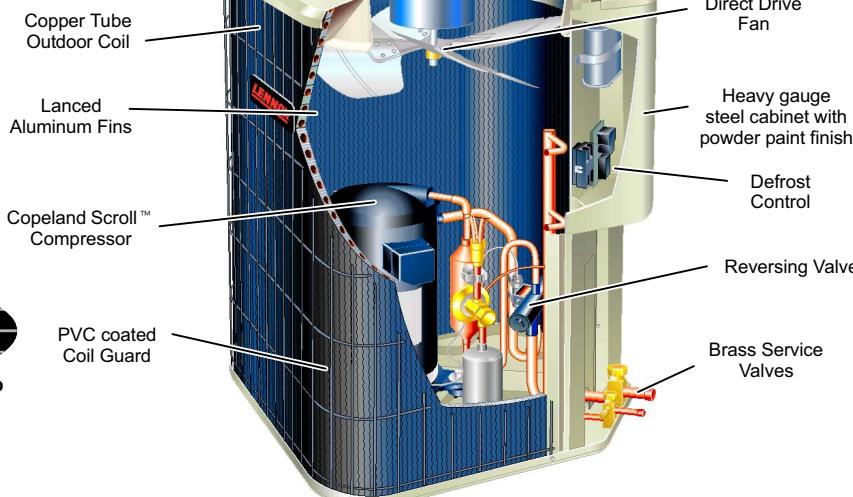
SEER - 10.00 to 11.05

Cooling Capacity - 17,900 to 58,000 Btuh  
Heating Capacity - 16,600 to 54,500 Btuh

Bulletin No. 210076

October 2003

Supersedes September 2000



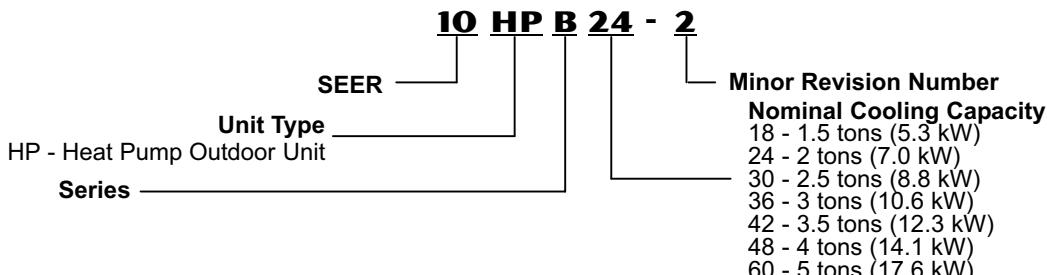
CERTIFICATION APPLIES ONLY  
WHEN THE COMPLETE  
SYSTEM IS LISTED  
WITH ARI



Energy  
Performance  
Rendement  
Énergétique

VÉRIFIÉ

## MODEL NUMBER IDENTIFICATION



## FEATURES

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### WARRANTY

Compressor - Five year limited warranty

All other covered components - One year limited warranty.

Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

### APPLICATIONS

SEER up to 11.05.

Heating C.O.P. up to 3.31.

HSPF up to 7.60 (Region IV).

1.5 through 5 Ton (5.3 through 17.6 kW) sizes.

Single phase power supply.

Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.

Matching up-flow, down-flow and horizontal blower coil units with supplemental electric heat provide a wide range of cooling and heating capacities and applications. See ARI Ratings table for match-ups.

Also applicable to indoor add-on coils matched with conventional furnaces with FM21 Heat Pump Control. See bulletin indexed in Thermostats and Control section.

For complete data on indoor blower coil units and FM21 coils, see tab section Coils - Blower Coil Units.

Units shipped completely factory assembled, piped and wired. Each unit is test operated at the factory ensuring proper operation.

Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.

Visit us at [www.lennox.com](http://www.lennox.com)  
For the latest technical information, [www.lennoxdavenet.com](http://www.lennoxdavenet.com)

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.

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## FEATURES

### APPROVALS

Rated in accordance with ARI Standard 210/240.  
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.  
Outdoor units and components within bonded for grounding to meet safety standards for servicing required by UL, NEC and CEC.  
Units are UL listed and CSA certified.  
ISO 9001 Registered Manufacturing Quality System.

### COMPRESSOR

#### Copeland Scroll™ Compressor (10HPB-024-030-036-042-048-060 Models)

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.

#### Reciprocating Compressor (10HPB18 Models)

Designed for dependable efficiency with minimum operating cost.

Suction cooled and overload protected with internal pressure relief.

Hermetically sealed with built-in protection from excessive current and temperatures.

Crankcase heater assures proper compressor lubrication.

Running gear assembly resiliently suspended internally inside case. Compressor installed in unit on resilient rubber mounts assuring low sound and vibration free operation.

#### Start Controls

Furnished on 10HPB18.

Provides assistance for compressor start under loaded conditions or in case of low voltage.



### CABINET

Heavy gauge steel cabinet with five station metal wash process. Baked-on outdoor enamel paint finish provides rust and corrosion protection.

Painted base section.

Control box is conveniently located with all controls factory wired.

Corner patch plate allows access to compressor.

Drainage holes provided in base section for moisture removal.

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

Sweat connection vapor and liquid lines are located on corner of unit cabinet.

Fully serviceable brass service valves prevent corrosion and provide access to refrigerant system. Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system.

45° elbow furnished for ease of suction line connection.

10HPB18, 10HPB24 and 10HPB30 models are stubbed with 3/8 in. (9.5 mm) liquid line connection. 3/8 x 5/16 in. (9.5 x 7.9 mm) reducer bushing furnished for liquid line connection.

Refrigerant line connections and field wiring inlets are located in one central area of cabinet for easy access. See dimension drawing.

### CONTROLS

#### Defrost Control

Solid-state time/temperature defrost control is furnished as standard equipment.

Control initiates a defrost cycle every 30, 60 or 90 minutes of compressor "on" time at outdoor temperatures below 42° F (5.5°C) (factory setting 60 minutes).

Maximum defrost cycle 14 minutes.

Defrost thermostat mounted on liquid line determines when defrost cycle is required and when to terminate cycle.

### REFRIGERANT SYSTEM

#### Copper Tube/Enhanced Fin Coil

Lennox designed and fabricated coil.

Ripple-edged aluminum fins.

Copper tube construction.

Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.

Fin collars grip tubing for maximum contact area.

Flared shoulder tubing connections/silver soldering construction.

Coil is factory tested under high pressure to insure leakproof construction.

Entire coil is accessible for cleaning.

PVC coated steel wire coil guard furnished as standard.

#### Outdoor Coil 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.

Fan motor has sleeve bearings and is inherently protected.

Motor totally enclosed for maximum protection from weather, dust and corrosion.

Louvered steel top fan guard furnished as standard.

Fan service access accomplished by removal of fan guard.

#### Hi-Capacity Drier

Factory installed.

Drier traps any moisture or dirt that could contaminate the refrigerant system.

#### Expansion Valve

Factory installed and piped expansion valve is designed and sized specifically for use in heat pump system.

Sensing bulb is located on suction line between reversing valve and compressor to sense suction temperature in any cycle.

#### Reversing Valve

Factory installed 4-way reversing valve provides rapid change in refrigerant flow direction resulting in quick changeover from cooling to heating and vice-versa.

Valve operates on pressure differential between outdoor unit and indoor unit.

## OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

### REFRIGERANT SYSTEM

#### Check and Expansion Valve Kits

Must be ordered extra and field installed on certain indoor coil units. See ARI Ratings table for kit selection.

#### Refrigerant Line Kits

Refrigerant lines (vapor & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at factory. Suction line fully insulated. L15 lines are stubbed at both ends. Not available for HP29-060.

#### FreezeStat

Installs on or near the discharge line of the evaporator or on the suction line. Senses suction line temperature and cycles the compressor off when suction line temperature falls below its setpoint. Opens at 29°F (-2°C) and closes at 58°F (14°C).

### COMPRESSOR

#### Crankcase Heater (Optional for 024 thru 060 Models)

Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication.

#### Compressor Low Ambient Cut-off

Compressor monitor can be field installed. Non-adjustable switch (low ambient cut-out) prevents compressor operation when outdoor temperature is below 35°F (2°C).

#### Compressor Hard Start Kit

Single-phase units are equipped with a PSC compressor motor. This type of motor normally doesn't need a potential relay and start capacitor.

In conditions such as low voltage, this kit may be required to increase the compressor starting torque.

#### Compressor Sound Cover

A reinforced vinyl compressor cover containing a 1-1/2 in. (38.1 mm) thick batt of 2 to 2.7 lb. density fiberglass insulation. All open edges are sealed with a one-inch wide hook and loop fastening tape.

### CABINET

#### Hail Guards

Constructed of louvered, heavy-gauge steel painted to match cabinet.

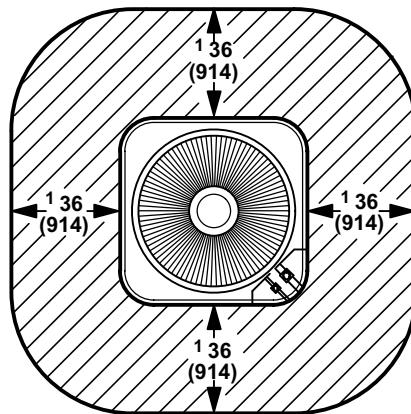
Surrounds unit on all four sides to prevent damage to the coil.

#### Mounting Base

High-density polyethylene mounting base is lightweight, sturdy, sound absorbing, and will withstand the effects of sun, heat, cold, moisture, oil, and refrigerant.

Provides permanent foundation for outdoor units.

### INSTALLATION CLEARANCES - IN. (MM)



<sup>1</sup> One of the coil sides adjacent to control box must be 30 in. (762 mm) for service.

One of the remaining sides may be 12 in. (914 mm)

One of the remaining sides may be 6 inches (305 mm)

NOTE — 48 in. (1219 mm) clearance required on top of unit.

NOTE — 24 in. (610 mm) required between two units

### Unit Stand-Off Kit

Black, high-density polyethylene feet are available to raise unit off of mounting surface away from damaging moisture. Four feet are furnished per order number.

### CONTROLS

#### Low Ambient Kit

Heat pump units operate satisfactorily in the cooling mode down to 45°F (7°C) outdoor air temperature without any additional controls. Low Ambient Control Kit can be field installed, allowing cooling operation down to 30°F (-1°C).

#### Outdoor Thermostat Kit

Outdoor thermostat can be used to lock out some electric heating elements on indoor units where two stage control is applicable. Outdoor thermostat maintains heating load on low power input as long as possible before allowing full power load to come on line. Thermostat kit and mounting box must be ordered extra.

#### Mild Ambient Kit

Heat pump units operate satisfactorily in the heating mode at outdoor air temperatures up to 75°F (24°C).

Mild Ambient Kit can be field installed, allowing heating operation above 75°F (24°C).

#### High Pressure Switch Kit

Protects the system from high pressure conditions that can be a result of fan failure or a blocked/dirty coil.

Manual reset.

#### Thermostat

Thermostat not furnished with unit. See Thermostats bulletin in Thermostats and Controls Section and Lennox Price Book.

#### Monitor Kit

Field installed Monitor Kit includes ambient compensating thermistor and service light thermostat.

Thermistor reduces thermostat droop to improve the operating characteristics of the heat pump system.

Service light thermostat allows operation of the service light on the indoor thermostat.

#### Loss of Charge Kit

Helps protect the compressor from damage due to a loss of refrigerant charge.

SPST, normally-closed switch, automatic reset.

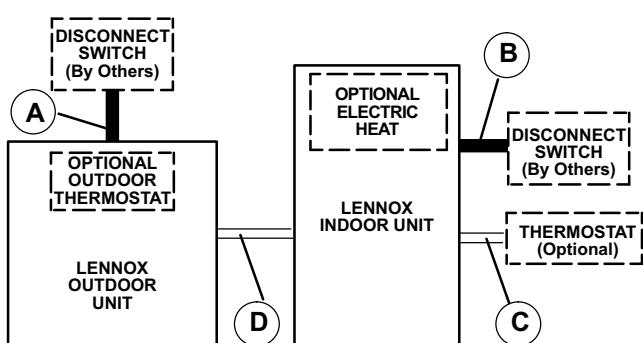
#### Timed-Off Control

Prevents compressor short-cycling and allows time for suction and discharge pressure to equalize.

Permits compressor start-up in an unloaded condition.

Automatic reset with 5 minute delay between compressor shut-off and start-up.

### FIELD WIRING



A — Two Wire Power (see Electrical Data)

B — Two or Three Wire Power (size to heater capacity)

C — Six Wire Low Voltage — 18 ga. minimum

— Eight Wire Low Voltage with Optional Outdoor Thermostat

D — Four Wire Low Voltage — 18 ga. minimum

— Six Wire Low Voltage with Optional Outdoor Thermostat

— Field Wiring Not Furnished —

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

## SPECIFICATIONS

General Data	Model No.	10HPB18	10HPB24	10HPB30	10HPB36	10HPB42	10HPB48	10HPB60
	Nominal Tonnage (kW)	1.5 (5.3)	2 (7.0)	2.5 (8.8)	3 (10.6)	3.5 (12.3)	4 (14.1)	5 (17.6)
Connections (sweat)	Liquid line o.d. - in. (mm) Vapor line o.d. - in. (mm)	1 3/8 (9.5) 5/8 (15.9)	1 3/8 (9.5) 3/4 (19.1)	1 3/8 (9.5) 3/4 (19.1)	3/8 (9.5) 7/8 (22.2)	3/8 (9.5) 7/8 (22.2)	3/8 (9.5) 7/8 (22.2)	3/8 (9.5) 1-1/8 (28.6)
<sup>2</sup> Refrigerant (HCFC-22) furnished		4 lbs. 0 oz. (1.81 kg)	4 lbs. 4 oz. (1.93 kg)	4 lbs. 12 oz. (2.15 kg)	6 lbs. 5 oz. (2.86 kg)	7 lbs. 11 oz. (3.49 kg)	8 lbs. 4 oz. (3.74 kg)	8 lbs. 13 oz. (4.00 kg)
Outdoor Coil	Net face area sq. ft. (m <sup>2</sup> ) - Outer Coil Inner Coil Tube diameter - in. (mm)	11.41 (1.06) --- 5/16 (7.9)	11.41 (1.06) --- 5/16 (7.9)	13.31 (1.24) --- 5/16 (7.9)	15.21 (1.41) 5.44 (0.51) 5/16 (7.9)	15.21 (1.41) 14.50 (13.5) 5/16 (7.9)	15.21 (1.41) 14.50 (13.5) 5/16 (7.9)	15.21 (1.41) 14.50 (13.5)
	Number of rows Fins per inch (m)	1 22 (866)	1 22 (866)	1 18 (709)	1.37 22 (866)	1.37 18 (709)	1.37 18 (709)	2 22 (866)
Outdoor Fan	Diameter - in. (mm) & No. of blades Motor output - hp (W) Cfm (L/s) Rpm Watts	18 (457) - 3 1/6 (124) 2400 (1135) 1105 180	18 (457) - 3 1/6 (124) 2400 (1135) 1105 200	18 (457) - 4 1/6 (124) 2500 (1180) 1100 200	18 (457) - 4 1/6 (124) 2500 (1180) 1100 200	18 (457) - 4 1/6 (124) 2500 (1180) 1100 310	18 (457) - 4 1/3 (249) 2950 (1390) 1100 310	18 (457) - 4 1/3 (249) 2930 (1385) 1100 310
Shipping Data	lbs. (kg) 1 package	152 (69)	152 (69)	139 (63)	153 (69)	174 (79)	178 (81)	221 (100)

## ELECTRICAL DATA

Electrical Data	Line voltage data - 60 hz - 1 ph	208/230V						
	<sup>3</sup> Maximum Overcurrent Protection (amps)	20	25	30	35	40	50	60
	<sup>4</sup> Minimum circuit ampacity	11.9	16.4	19.5	21.1	27.0	31.5	35.5
	Compressor Rated load amps	8.6	12.2	14.7	16.0	19.3	23.7	32.1
Compressor	Power factor	.97	.96	.94	.93	.86	.89	.98
	Locked rotor amps	49	61	84.0	100.0	127.0	129.0	169.0
Outdoor Coil	Full load amps	1.1	1.1	1.1	1.1	1.1	1.9	1.9
Fan Motor	Locked rotor amps	1.9	1.9	1.9	1.9	1.9	4.1	4.1

## OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Compressor Crankcase Heater	---	---	90P12	90P12	90P12	90P12	90P12	
Compressor Low Ambient Cut-Off	45F08	45F08	45F08	45F08	45F08	45F08	45F08	
Compressor Hard Start Kit	---	---	10J42	10J42	10J42	10J42	81J69	
Compressor Time-Off Control	47J27	47J27	47J27	47J27	47J27	47J27	47J27	
Compressor Sound Cover	69J17	69J03	69J03	69J03	69J03	69J03	69J03	
Freezestat	3/8 in. tubing 1/2 in. tubing 5/8 in. tubing	93G35 39H29 50A93	93G35 39H29 50A93	93G35 39H29 50A93	93G35 39H29 50A93	93G35 39H29 50A93	93G35 39H29 50A93	
Hail Guards		17L71	17L71	17L73	17L73	17L73	17L74	
High Pressure Switch Kit		94J46	94J46	94J46	94J46	94J46	94J46	
Loss of Charge Kit		94J47	94J47	94J47	94J47	94J47	94J47	
Low Ambient Kit		27J00	27J00	27J00	27J00	27J00	27J00	
Mild Weather Kit		33M07	33M07	33M07	33M07	33M07	33M07	
Monitor Kit - Service Light		76F53	76F53	76F53	76F53	76F53	76F53	
Mounting Base - Net Weight - lbs. (kg)	69J06 - 6 (3)	69J06 - 6 (3)	69J06 - 6 (3)	69J06 - 6 (3)	69J06 - 6 (3)	69J06 - 6 (3)	69J07 - 15 (7)	
Outdoor Thermostat Kit	Thermostat Mounting Box - US Canada	56A87 31461 33A09	56A87 31461 33A09	56A87 31461 33A09	56A87 31461 33A09	56A87 31461 33A09	56A87 31461 33A09	
Refrigerant Line Set	15 ft. (6 m) length 20 ft. (6 m) length 25 ft. (8 m) length 30 ft. (9 m) length 35 ft. (10.6 m) length 40 ft. (12 m) length 50 ft. (15 m) length	L15-21-15 L15-21-20 L15-21-25 Not Available L15-21-35 Not Available L15-21-50	L15-31-15 L15-31-20 L15-31-20 Not Available L15-31-30 Not Available L15-31-50	L15-31-15 L15-31-20 L15-31-20 Not Available L15-31-30 Not Available L15-31-50	L15-41-15 L15-41-20 L15-41-20 Not Available L15-41-30 Not Available L15-41-50	L15-65-15 Not Available Not Available Not Available L15-65-30 Not Available L15-65-50	L15-65-15 Not Available Not Available Not Available L15-65-30 Not Available L15-65-50	Field Fabricate
Unit Stand-Off Kit		94J45	94J45	94J45	94J45	94J45	94J45	

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

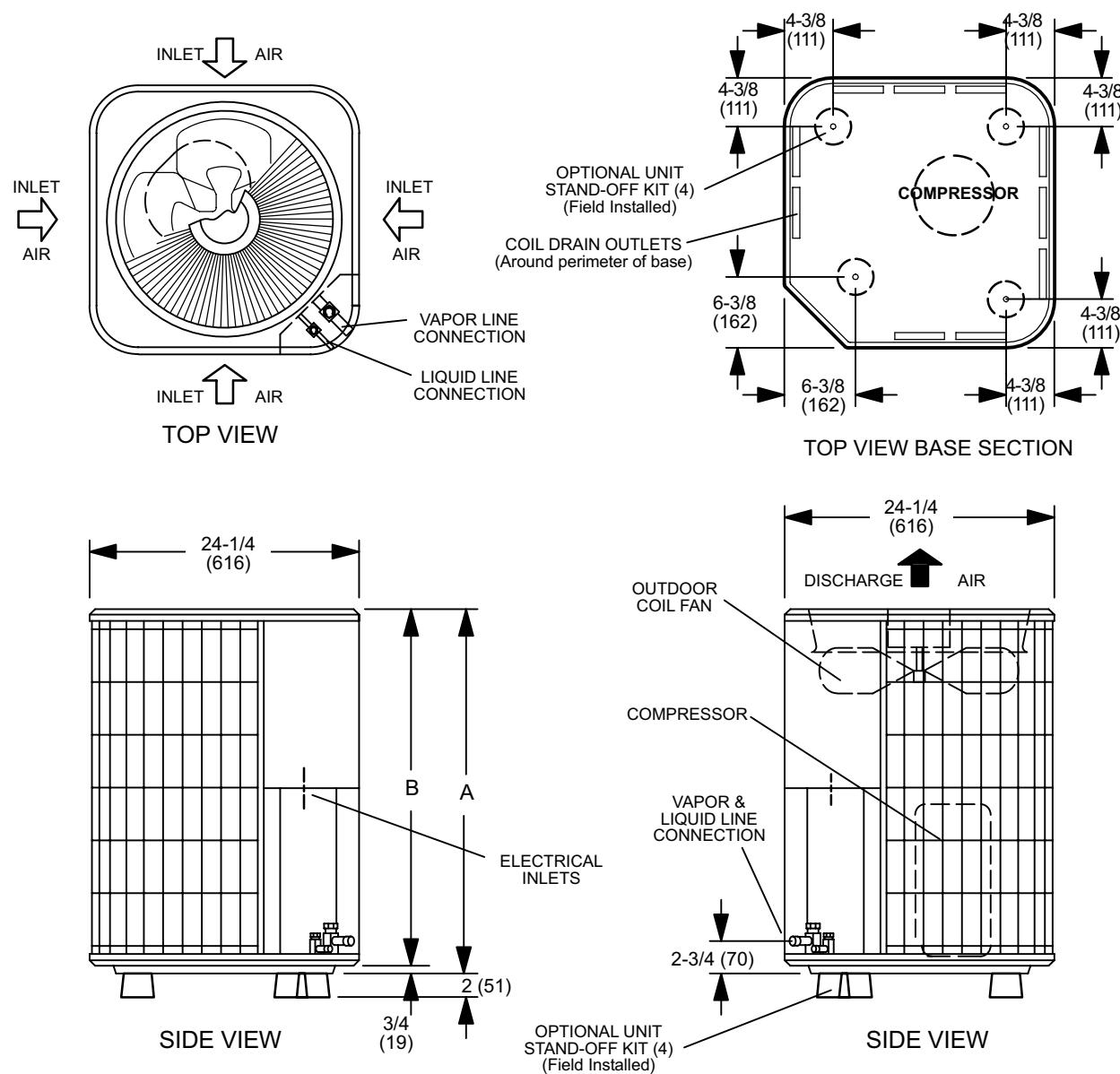
<sup>1</sup> 3/8 x 5/16 in. (9.5 x 7.9 mm) adaptor furnished for liquid line connection.

<sup>2</sup> Refrigerant charge sufficient for 20 ft. (6.0 m) length of refrigerant lines.

<sup>3</sup> HACR type circuit breaker or fuse.

<sup>4</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

## DIMENSIONS - INCHES (MM)



Model No.		A	B
10HPB18	in.	25	24-1/4
10HPB24	mm	635	616
10HPB30	in.	29	28-1/4
	mm	737	718
10HPB36	in.	33	32-1/4
10HPB42	mm	838	819
10HPB48			
10HPB60			

## ARI RATINGS

Outdoor Unit Model No. Unit Size <sup>1</sup> Sound Rating Number		2 ARI Standard 210/240 Ratings														<sup>3</sup> Check and Expansion Valve Kit Required	
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency				Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP	
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF IV	V						
<b>10HPB18</b> 1.5 Ton (78 dB)	<b>Blower Coil Units</b>	18,000	5.3	16,600	4.9	9,600	2.8	10.70	9.95	7.00	5.90	1805	1620	1405	3.00	2.00	<sup>5</sup> CB29M-21/26 (Multi)
		18,000	5.3	16,600	4.9	9,600	2.8	10.70	9.95	7.00	5.90	1805	1620	1405	3.00	2.00	CB28UH-018/024 (Up-Flow / Horizontal)
		18,800	5.5	16,800	4.9	9,600	2.8	11.05	10.25	7.00	5.90	1835	1640	1405	3.00	2.00	CB30U-21/26 (Up-Flow)
		18,800	5.5	16,800	4.9	9,600	2.8	11.05	10.25	7.00	5.90	1835	1640	1405	3.00	2.00	CB30M-21/26 (Multi)
	<b>Up-Flow Coils</b>	18,200	5.3	17,400	5.1	9,900	2.9	10.50	9.65	6.80	5.90	1885	1665	1345	3.06	2.15	C26-21
		18,200	5.3	17,400	5.1	9,900	2.9	10.50	9.65	6.80	5.90	1885	1665	1345	3.06	2.15	C33-18A
		18,600	5.5	17,500	5.1	9,900	2.9	10.70	9.85	6.80	5.90	1895	1655	1345	3.10	2.16	C26-26
		18,600	5.5	17,500	5.1	9,900	2.9	10.70	9.85	6.80	5.90	1895	1655	1345	3.10	2.16	C33-24A/B
	<b>Down-Flow Coils</b>	17,900	5.2	17,200	5.0	9,800	2.9	10.00	9.55	6.80	5.90	1875	1580	1350	3.00	2.12	CR26-18
	<b>Horizontal Coils</b>	18,200	5.3	17,400	5.1	9,900	2.9	10.50	9.65	6.80	5.90	1885	1665	1345	3.06	2.16	CH23-21
		18,200	5.3	17,400	5.1	9,900	2.9	10.50	9.65	6.80	5.90	1885	1665	1345	3.06	2.16	CH33-30A -F
<b>10HPB24</b> 2 Ton (80 dB)	<b>Blower Coil Units</b>	22,200	6.5	21,000	6.2	12,000	3.5	10.05	9.20	7.00	6.10	2410	2050	1675	3.00	2.10	<sup>5</sup> CB29M-21/26 (Multi)
		22,200	6.5	21,000	6.2	12,000	3.5	10.05	9.20	7.00	6.10	2410	2050	1675	3.00	2.10	CB28UH-018/024 (Up-Flow / Horizontal)
		22,600	6.6	21,000	6.2	12,000	3.5	10.05	9.25	7.00	6.10	2445	2050	1675	3.00	2.10	CB29M-31 (Multi)
		22,600	6.6	21,000	6.2	12,000	3.5	10.05	9.25	7.00	6.10	2445	2050	1675	3.00	2.10	CB28UH-030 (Up-Flow/Horiz)
		23,600	6.9	21,200	6.2	12,000	3.5	10.50	9.55	7.10	6.10	2475	2070	1675	3.00	2.10	CB30U-21/26 (Up-Flow)
		23,600	6.9	21,200	6.2	12,000	3.5	10.50	9.55	7.10	6.10	2475	2070	1675	3.00	2.10	CB30M-21/26 (Multi)
		24,000	7.0	21,200	6.2	12,000	3.5	11.05	9.90	7.20	6.15	2430	2070	1675	3.00	2.10	CB30U-31 (Up-Flow)
		24,000	7.0	21,200	6.2	12,000	3.5	11.05	9.90	7.20	6.15	2430	2070	1675	3.00	2.10	CB30M-31 (Multi)
	<b>Up-Flow Coils</b>	22,400	6.6	22,000	6.5	12,100	3.6	10.00	9.30	6.80	5.90	2415	2150	1710	3.00	2.08	C26-21
		23,200	6.8	22,200	6.5	12,200	3.6	10.00	9.50	6.80	5.90	2440	2130	1705	3.05	2.10	C26-26
		23,200	6.8	22,200	6.5	12,200	3.6	10.00	9.50	6.80	5.90	2440	2130	1705	3.05	2.10	C33-24A/B
	<b>Down-Flow Coils</b>	22,000	6.5	21,800	6.4	12,200	3.6	10.00	9.15	6.80	5.90	2400	2170	1705	2.95	2.09	CR26-18
	<b>Horizontal Coils</b>	22,400	6.6	22,000	6.5	12,100	3.6	10.00	9.30	6.80	5.90	2415	2150	1710	3.00	2.08	CH23-21
		23,200	6.8	22,200	6.5	12,200	3.6	10.00	9.50	6.80	5.90	2440	2130	1705	3.05	2.10	CH33-30A-F
		23,200	6.8	22,200	6.5	12,200	3.6	10.00	9.50	6.80	5.90	2440	2130	1705	3.05	2.10	CH23-31
<b>10HPB30</b> 2.5 Ton (76 dB)	<b>Blower Coil Units</b>	28,200	8.3	27,000	7.9	17,100	5.0	10.05	8.71	6.80	5.90	3328	2776	2468	2.85	2.03	<sup>5</sup> CB29M-31 (Multi)
		28,200	8.3	27,000	7.9	17,100	5.0	10.05	8.71	6.80	5.90	3328	2776	2468	2.85	2.03	CB28UH-030 (Up-Flow/Horiz)
		28,400	8.3	27,000	7.9	17,600	5.2	10.00	8.79	7.00	6.00	3414	2646	2467	2.99	2.09	CB29M-41 (Multi)
		28,400	8.3	27,000	7.9	17,600	5.2	10.00	8.79	7.00	6.00	3414	2646	2467	2.99	2.09	CB28UH-036 (Up-Flow/Horiz)
		28,400	8.3	27,000	7.9	17,000	5.0	10.30	9.05	7.00	6.00	3358	2673	2478	2.96	2.01	CB30U-21/26 (Up-Flow)
		28,400	8.3	27,000	7.9	17,000	5.0	10.30	9.05	7.00	6.00	3358	2673	2478	2.96	2.01	CB30M-21/26 (Multi)
	<b>Up-Flow Coils</b>	28,000	8.2	27,600	8.1	17,000	5.0	10.00	8.91	7.00	5.90	3376	2732	2418	2.96	2.06	C26-26
		28,000	8.2	27,600	8.1	17,000	5.0	10.00	8.91	7.00	5.90	3376	2732	2418	2.96	2.06	C33-36A/B/C
	<b>Down-Flow Coils</b>	29,200	8.6	27,800	8.1	17,000	5.0	10.00	9.11	7.00	6.10	3398	2715	2383	3.00	2.09	CR26-30
	<b>Horizontal Coils</b>	25,800	7.6	27,200	8.0	17,000	5.0	10.00	7.42	6.80	5.90	3964	2856	2490	2.79	2.00	CH23-21
		28,800	8.4	27,400	8.0	17,000	5.0	10.00	8.83	6.80	5.90	3369	2797	2454	2.87	2.03	CH23-31
		28,800	8.4	27,400	8.0	17,000	5.0	10.00	8.83	6.80	5.90	3369	2797	2454	2.87	2.03	CH33-36A/B/C-F

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

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

<sup>1</sup> Sound Rating Number in accordance with test conditions included in ARI Standard 270.

<sup>2</sup> Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

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

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

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

<sup>3</sup> Kit is required and must be ordered extra, unless shown as factory installed.

<sup>4</sup> Furnished as standard with coil unit.

<sup>5</sup> Most popular blower coil combination.

## ARI RATINGS

Outdoor Unit Model No. Unit Size <sup>1</sup> Sound Rating Number		2 ARI Standard 210/240 Ratings														<sup>3</sup> Check and Expansion Valve Kit Required			
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency			HSPF		Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP		
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	IV	V								
<b>10HPB36</b> 3 Ton (76 dB)	<b>Blower Coil Units</b>	33,000	9.7	35,000	10.3	21,400	6.3	10.00	8.72	6.90	6.15	3807	3586	3089	2.86	2.03	CB29M-31(Multi)	<sup>4</sup> Factory Installed	
		33,000	9.7	35,000	10.3	21,400	6.3	10.00	8.72	6.90	6.15	3807	3586	3089	2.86	2.03	CB28UH-030(Up-Flow/Horiz)	<sup>4</sup> Factory Installed	
		33,400	9.8	35,000	10.3	21,600	6.3	10.05	8.73	7.00	6.20	3862	3464	3043	2.96	2.08	<sup>5</sup> CB29M-41 (Multi)	<sup>4</sup> Factory Installed	
		33,400	9.8	35,000	10.3	21,600	6.3	10.05	8.73	7.00	6.20	3862	3464	3043	2.96	2.08	CB28UH-036 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed	
		35,000	10.3	33,800	9.9	21,000	6.2	10.50	9.25	7.00	6.20	3897	3268	3046	3.03	2.02	CB29M-46 (Multi)	<sup>6</sup> <b>56J19</b>	
		35,000	10.3	33,800	9.9	21,000	6.2	10.50	9.25	7.00	6.20	3897	3268	3046	3.03	2.02	CB28UH-042 (Up-Flow/Horiz)	<sup>6</sup> <b>56J19</b>	
		34,600	10.1	33,600	9.8	20,800	6.1	10.70	9.43	7.00	6.00	3774	3186	3109	3.09	1.96	CB30U-31 (Up-Flow)	<sup>4</sup> Factory Installed	
		34,600	10.1	33,600	9.8	20,800	6.1	10.70	9.43	7.00	6.00	3774	3186	3109	3.09	1.96	CB30M-31 (Multi)	<sup>4</sup> Factory Installed	
		35,200	10.3	33,400	9.8	20,800	6.1	10.70	9.60	7.00	6.10	3796	3117	3125	3.14	1.95	CB30U-41/46 (Up-Flow)	<sup>6</sup> <b>56J19</b>	
		35,200	10.3	33,400	9.8	20,800	6.1	10.70	9.60	7.00	6.10	3796	3117	3125	3.14	1.95	CB30M-41 (Multi)	<sup>4</sup> Factory Installed	
<b>Up-Flow Coils</b>		33,000	9.7	31,600	9.3	20,200	5.9	10.00	9.17	6.80	5.90	3725	3226	3115	2.87	1.90	C26-31	<sup>4</sup> Factory Installed	
		34,800	10.2	33,600	9.8	20,600	6.0	10.50	9.29	7.00	5.90	3833	3260	3144	3.02	1.92	C26-41	<sup>4</sup> Factory Installed	
		34,800	10.2	33,600	9.8	20,600	6.0	10.50	9.29	7.00	5.90	3833	3260	3144	3.02	1.92	C33-36A/B/C	<b>56J19</b>	
<b>Down-Flow Coils</b>		33,200	9.7	32,600	9.6	20,600	6.0	10.00	9.03	7.00	6.05	3711	3328	3003	2.87	2.01	CR26-30	<b>56J19</b>	
<b>Horizontal Coils</b>	33,800	9.9	33,400	9.8	21,000	6.2	10.00	8.89	7.00	6.00	3838	3375	3031	2.90	2.03	CH23-31	<b>56J19</b>		
	<b>10HPB42</b> 3.5 Ton (78 dB)		34,800	10.2	33,600	9.8	21,200	6.2	10.00	9.21	7.20	6.20	3874	3217	2972	3.06	2.09	CH33-36A/B/C-F	<b>56J19</b>
			34,800	10.2	33,600	9.8	21,200	6.2	10.00	9.21	7.20	6.20	3874	3217	2972	3.06	2.09	CH23-41	<b>56J19</b>
			39,500	11.6	40,000	11.7	25,200	7.4	10.05	8.64	7.00	6.20	4528	3843	3434	3.05	2.15	<sup>5</sup> CB29M-46 (Multi)	<sup>4</sup> Factory Installed
	<b>Blower Coil Units</b>		39,500	11.6	40,000	11.7	25,200	7.4	10.05	8.64	7.00	6.20	4528	3843	3434	3.05	2.15	CB28UH-042 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
			39,500	11.6	40,500	11.9	25,600	7.5	10.00	8.53	7.00	6.10	4648	3853	3489	3.08	2.15	CB29M-51(Multi)	<sup>4</sup> Factory Installed
			39,500	11.6	40,500	11.9	25,600	7.5	10.00	8.53	7.00	6.10	4648	3853	3489	3.08	2.15	CB28UH-048(Up-Flow/Horiz)	<sup>4</sup> Factory Installed
			40,000	11.7	40,000	11.7	25,000	7.3	10.50	8.95	7.60	6.50	4436	3617	3241	3.24	2.26	CB30U-41/46 (Up-Flow)	<sup>4</sup> Factory Installed
			40,000	11.7	40,000	11.7	25,000	7.3	10.50	8.95	7.60	6.50	4436	3617	3241	3.24	2.26	CB30M-46(Multi)	<sup>4</sup> Factory Installed
			40,500	11.9	38,500	11.3	24,400	7.2	10.50	9.10	7.20	6.20	4475	3408	3149	3.31	2.27	CB30U-51 (Up-Flow)	<sup>4</sup> Factory Installed
			40,500	11.9	38,500	11.3	24,400	7.2	10.50	9.10	7.20	6.20	4475	3408	3149	3.31	2.27	CB30M-51 (Multi)	<sup>4</sup> Factory Installed
			38,000	11.1	39,500	11.6	24,600	7.2	10.00	8.69	6.90	6.00	4384	3745	3322	3.09	2.17	C26-41	<sup>4</sup> Factory Installed
	<b>Up-Flow Coils</b>		38,000	11.1	39,500	11.6	24,600	7.2	10.00	8.69	6.90	6.00	4384	3745	3322	3.09	2.17	C33-36B/C	<b>56J20</b>
			39,500	11.6	40,500	11.9	25,000	7.3	10.00	8.82	7.10	6.10	4440	3755	3391	3.16	2.16	C26-46	<sup>4</sup> Factory Installed
			39,500	11.6	40,500	11.9	25,000	7.3	10.00	8.82	7.10	6.10	4440	3755	3391	3.16	2.16	C33-42B	<b>56J20</b>
			40,500	11.9	39,500	11.6	25,200	7.4	10.20	8.92	7.00	6.10	4551	3605	3403	3.21	2.17	C26-51/65	<sup>4</sup> Factory Installed
			38,000	11.1	40,000	11.7	25,000	7.3	10.00	8.67	7.20	6.20	4432	3881	3391	3.02	2.16	CR26-36W	<b>56J20</b>
	<b>Down-Flow Coils</b>		39,500	11.6	40,500	11.9	25,000	7.3	10.00	8.80	7.10	6.10	4525	3828	3360	3.10	2.18	CR26-48	<b>56J20</b>
<b>Horizontal Coils</b>	38,500	11.3	40,000	11.7	25,200	7.4	10.00	8.68	7.20	6.20	4521	3830	3450	3.06	2.14	CH33-36B/C-F	<b>56J20</b>		
	38,500	11.3	40,000	11.7	25,200	7.4	10.00	8.68	7.20	6.20	4521	3830	3450	3.06	2.14	CH23-41	<b>56J20</b>		
	39,500	11.6	40,500	11.9	24,600	7.2	10.00	8.81	7.30	6.30	4541	3791	3306	3.13	2.18	CH23-51	<b>56J20</b>		

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

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

<sup>1</sup> Sound Rating Number in accordance with test conditions included in ARI Standard 270.

<sup>2</sup> Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

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

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

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

<sup>3</sup> Kit is required and must be ordered extra, unless shown as factory installed.

<sup>4</sup> Furnished as standard with coil unit.

<sup>5</sup> Most popular blower coil combination.

**6** Factory installed check/expansion valves on indoor units **MUST** be replaced with separately ordered check/expansion valve kit shown.

**ARI RATINGS**

Outdoor Unit Model No. Unit Size <sup>1</sup> Sound Rating Number		<sup>2</sup> ARI Standard 210/240 Ratings													<sup>3</sup> Check and Expansion Valve Kit Required			
		Cooling Capacity		High Temp. Heating Capacity		Low Temp. Heating Capacity		Efficiency			Total Cool. Watts	Total High Htg. Watts	Total Low Htg. Watts	High Htg. COP	Low Htg. COP			
		Btuh	kW	Btuh	kW	Btuh	kW	SEER	EER	HSPF IV	HSPF V							
10HPB48 4 Ton (80 dB)	Blower Coil Units	44,000	12.9	44,000	12.9	28,000	8.2	10.00	8.71	7.10	6.10	5065	4385	3834	2.94	2.14	CB29M-46 (Multi)	<sup>4</sup> Factory Installed
		44,000	12.9	44,000	12.9	28,000	8.2	10.00	8.71	7.10	6.10	5065	4385	3834	2.94	2.14	CB28UH-042 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
		44,500	13.0	44,500	13.0	28,400	8.3	10.05	8.63	7.20	6.20	5196	4390	3907	2.97	2.13	<sup>5</sup> CB29M-51 (Multi)	<sup>4</sup> Factory Installed
		44,500	13.0	44,500	13.0	28,400	8.3	10.05	8.63	7.20	6.20	5196	4390	3907	2.97	2.13	CB28UH-048 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
		45,000	13.2	44,500	13.0	28,200	8.3	10.00	8.61	7.30	6.30	5152	4361	3861	2.99	2.14	CB29M-65 (Multi)	<sup>4</sup> Factory Installed
		45,000	13.2	44,500	13.0	28,200	8.3	10.00	8.61	7.30	6.30	5152	4361	3861	2.99	2.14	CB28UH-060 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
		43,500	12.7	43,000	12.6	28,000	8.2	10.50	9.03	7.30	6.30	4906	4051	3679	3.11	2.23	CB30U-41/46 (Up-Flow)	<sup>4</sup> Factory Installed
		43,500	12.7	43,000	12.6	28,000	8.2	10.50	9.03	7.30	6.30	4906	4051	3679	3.11	2.23	CB30M-46 (Multi)	<sup>4</sup> Factory Installed
		46,000	13.5	43,500	12.7	27,400	8.0	10.50	9.24	7.50	6.50	4989	3983	3734	3.20	2.15	CB30U-51 (Up-Flow)	<sup>4</sup> Factory Installed
		46,000	13.5	43,500	12.7	27,400	8.0	10.50	9.24	7.50	6.50	4989	3983	3734	3.20	2.15	CB30M-51 (Multi)	<sup>4</sup> Factory Installed
		46,000	13.5	43,500	12.7	27,400	8.0	10.50	9.26	7.50	6.50	5045	4008	3600	3.18	2.23	CB30U-65 (Up-Flow)	<sup>4</sup> Factory Installed
		46,000	13.5	43,500	12.7	27,400	8.0	10.50	9.26	7.50	6.50	5045	4008	3600	3.18	2.23	CB30M-65 (Multi)	<sup>4</sup> Factory Installed
Up-Flow Coils		43,000	12.6	42,000	12.3	26,800	7.9	10.20	7.82	7.00	6.10	5512	4075	3652	3.02	2.15	C26-46	<sup>4</sup> Factory Installed
		43,000	12.6	42,000	12.3	26,800	7.9	10.20	7.82	7.00	6.10	5512	4075	3652	3.02	2.15	C33-44C	<b>56J20</b>
		45,000	13.2	42,500	12.5	26,800	7.9	10.20	8.11	7.00	6.10	5549	4110	3586	3.03	2.19	C26-51/65	<sup>4</sup> Factory Installed
Down-Flow Coils		43,500	12.7	42,000	12.3	26,800	7.9	10.00	7.89	7.00	6.10	5549	4258	3704	2.89	2.12	CR26-48N	<b>56J20</b>
		44,500	13.0	42,000	12.3	26,800	7.9	10.00	7.97	7.00	6.10	4978	4143	3652	2.97	2.15	CR26-48W	<b>56J20</b>
Horizontal Coils		43,000	12.6	43,000	12.6	27,400	8.0	10.00	7.86	7.00	6.10	5658	4242	3751	2.97	2.14	CH23-41	<b>56J20</b>
		43,000	12.6	43,000	12.6	27,400	8.0	10.00	7.86	7.00	6.10	5658	4242	3751	2.97	2.14	CH33-44B-F	<b>56J20</b>
		44,500	13.0	43,500	12.7	27,800	8.1	10.20	9.01	7.10	6.20	5031	4193	3736	3.04	2.18	CH33-48C-F	<b>56J20</b>
		44,500	13.0	43,500	12.7	27,800	8.1	10.20	9.01	7.10	6.20	5031	4193	3736	3.04	2.18	CH23-51	<b>56J20</b>
		44,500	13.0	43,500	12.7	27,800	8.1	10.30	9.08	7.10	6.20	5046	4098	3686	3.11	2.21	CH23-65	<b>56J20</b>
10HPB60 5 Ton (84 dB) U.S. (82 dB) Canada	Blower Coil Units	55,000	16.1	54,500	16.0	33,800	9.9	10.05	8.30	6.80	6.00	6625	5705	4950	2.80	2.00	CB29M-51 (Multi)	<sup>4</sup> Factory Installed
		55,000	16.1	54,500	16.0	33,800	9.9	10.05	8.30	6.80	6.00	6625	5705	4950	2.80	2.00	CB28UH-048 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
		56,000	16.4	54,500	16.0	33,800	9.9	10.05	8.50	6.80	6.00	6580	5705	4950	2.80	2.00	<sup>5</sup> CB29M-65 (Multi)	<sup>4</sup> Factory Installed
		56,000	16.4	54,500	16.0	33,800	9.9	10.05	8.50	6.80	6.00	6580	5705	4950	2.80	2.00	CB28UH-060 (Up-Flow/Horiz)	<sup>4</sup> Factory Installed
		56,000	16.4	53,500	15.7	32,200	9.4	10.50	8.85	7.10	6.25	6325	5225	4495	3.00	2.10	CB30U-51 (Up-Flow)	<sup>4</sup> Factory Installed
		56,000	16.4	53,500	15.7	32,200	9.4	10.50	8.85	7.10	6.25	6325	5225	4495	3.00	2.10	CB30M-51 (Multi)	<sup>4</sup> Factory Installed
		58,000	17.0	54,000	15.8	32,800	9.6	10.60	8.90	7.10	6.30	6530	5275	4575	3.00	2.10	CB30U-65 (Up-Flow)	<sup>4</sup> Factory Installed
		58,000	17.0	54,000	15.8	32,800	9.6	10.60	8.90	7.10	6.30	6530	5275	4575	3.00	2.10	CB30M-65 (Multi)	<sup>4</sup> Factory Installed
Up-Flow Coils		53,000	15.5	53,000	15.5	32,200	9.7	10.50	8.55	6.80	5.90	6205	5532	4775	2.80	2.02	C26-51/65	<sup>4</sup> Factory Installed
		53,000	15.5	53,000	15.5	32,200	9.7	10.50	8.55	6.80	5.90	6205	5532	4775	2.80	2.02	C33-50/60C	<b>56J20</b>
		53,000	15.5	53,000	15.5	32,200	9.7	10.50	8.55	6.80	5.90	6205	5532	4775	2.80	2.02	C33-60D	<b>56J20</b>
Down-Flow Coils		53,500	15.7	53,000	15.5	33,200	9.7	10.50	8.60	6.80	5.90	6205	5532	4772	2.80	2.04	CR26-60W only	<b>56J20</b>
		56,000	16.4	53,000	15.5	32,600	9.6	10.00	8.45	6.80	5.90	6610	5135	4525	3.12	2.20	CH33-48C-F	<b>56J20</b>
Horizontal Coils		56,000	16.4	53,000	15.5	32,600	9.6	10.00	8.45	6.80	5.90	6610	5135	4525	3.12	2.20	CH33-60D-F	<b>56J20</b>
		56,000	16.4	53,000	15.5	32,600	9.6	10.00	8.45	6.80	5.90	6610	5135	4525	3.12	2.20	CH23-65	<b>56J20</b>

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

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

<sup>1</sup> Sound Rating Number in accordance with test conditions included in ARI Standard 270.

<sup>2</sup> Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;

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

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

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

<sup>3</sup> Kit is required and must be ordered extra, unless shown as factory installed.

<sup>4</sup> Furnished as standard with coil unit.

<sup>5</sup> Most popular blower coil combination.

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB18 — COOLING CAPACITY — CB29M-21/26 - CB28UH-018/024

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil															
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)			
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm			kW	Btuhr			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuhr	
63°F (17.2°C)	190	400	5.0	17,100	1260	.69 .81 .92	4.7	16,200	1360	.70 .82 .94	4.5	15,300	1460	.71 .84 .96	4.2	14,400	1560	.73 .87 .98
	285	600	5.4	18,500	1290	.76 .91 1.00	5.1	17,500	1400	.78 .94 1.00	4.9	16,600	1500	.81 .96 1.00	4.6	15,600	1610	.83 .98 1.00
	375	800	5.7	19,500	1310	.84 .99 1.00	5.5	18,600	1420	.87 1.00 1.00	5.2	17,700	1540	.89 1.00 1.00	4.9	16,700	1650	.92 1.00 1.00
67°F (19.4°C)	190	400	5.4	18,400	1290	.55 .66 .77	5.1	17,500	1390	.55 .67 .78	4.8	16,500	1500	.56 .68 .81	4.5	15,500	1600	.57 .70 .83
	285	600	5.8	19,700	1310	.59 .74 .88	5.5	18,700	1430	.60 .76 .90	5.2	17,600	1540	.61 .78 .93	4.9	16,600	1640	.63 .80 .96
	375	800	6.0	20,500	1330	.64 .82 .97	5.7	19,400	1440	.65 .84 .99	5.4	18,300	1560	.67 .87 1.00	5.0	17,200	1670	.69 .90 1.00
71°F (21.7°C)	190	400	5.8	19,800	1310	.42 .52 .63	5.5	18,800	1430	.42 .53 .64	5.2	17,800	1540	.42 .54 .65	4.9	16,800	1650	.43 .55 .67
	285	600	6.2	21,200	1340	.43 .57 .71	5.9	20,100	1460	.44 .58 .73	5.5	18,900	1570	.44 .60 .75	5.2	17,800	1690	.45 .61 .78
	375	800	6.4	21,900	1350	.45 .62 .79	6.1	20,700	1470	.46 .64 .82	5.7	19,500	1590	.46 .66 .84	5.4	18,300	1710	.47 .68 .87

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

### 10HPB18 — COOLING CAPACITY — CB30U-21/26 — CB30M-21/26

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil															
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)			
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm			kW	Btuhr			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuhr	
63°F (17.2°C)	190	400	5.4	18,300	1290	.68 .80 .91	5.1	17,400	1390	.69 .82 .93	4.8	16,400	1500	.71 .84 .96	4.5	15,400	1600	.72 .86 .99
	285	600	5.9	20,000	1320	.76 .91 1.00	5.5	18,900	1430	.78 .94 1.00	5.2	17,800	1540	.80 .96 1.00	4.9	16,700	1650	.83 .99 1.00
	375	800	6.2	21,100	1340	.84 1.00 1.00	5.9	20,100	1460	.87 1.00 1.00	5.6	19,100	1580	.89 1.00 1.00	5.3	18,100	1700	.93 1.00 1.00
67°F (19.4°C)	190	400	5.8	19,800	1320	.54 .65 .76	5.5	18,700	1430	.55 .66 .78	5.2	17,700	1540	.56 .68 .80	4.9	16,600	1650	.56 .69 .82
	285	600	6.3	21,400	1340	.59 .73 .87	5.9	20,200	1460	.60 .75 .90	5.6	19,000	1580	.61 .78 .93	5.2	17,800	1690	.63 .80 .96
	375	800	6.5	22,300	1360	.64 .82 .97	6.2	21,000	1480	.65 .84 .99	5.8	19,800	1600	.67 .87 1.00	5.4	18,500	1720	.69 .90 1.00
71°F (21.7°C)	190	400	6.2	21,300	1340	.42 .52 .62	5.9	20,200	1460	.42 .53 .63	5.6	19,100	1580	.42 .54 .65	5.3	18,000	1700	.42 .54 .66
	285	600	6.7	23,000	1370	.43 .57 .71	6.4	21,700	1490	.44 .58 .73	6.0	20,500	1620	.44 .60 .75	5.6	19,200	1740	.45 .61 .77
	375	800	7.0	23,800	1380	.45 .62 .79	6.6	22,500	1510	.46 .64 .82	6.2	21,200	1630	.46 .66 .84	5.8	19,800	1760	.47 .68 .88

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

### 10HPB18 — HEATING CAPACITY — CB29M-21/26 - CB28UH-018/024

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm			kW	Btuhr			kW	Btuhr			kW	Btuhr			kW	Btuhr
190	400	5.8	19,800	1450	4.4	14,900	1285	2.8	9,700	1105	1.8	6,100	995	.8	2,700	755		
285	600	6.1	20,800	1370	4.7	15,900	1205	3.1	10,700	1025	2.1	7,100	915	1.1	3,700	675		
380	800	6.3	21,400	1325	4.8	16,500	1160	3.3	11,300	980	2.3	7,700	870	1.3	4,300	630		

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

### 10HPB18 — HEATING CAPACITY — CB30U-21/26 — CB30M-21/26

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm			kW	Btuhr			kW	Btuhr			kW	Btuhr			kW	Btuhr
190	400	5.9	20,100	1480	4.4	15,000	1300	2.9	9,800	1105	1.8	6,100	995	.8	2,700	755		
285	600	6.2	21,100	1395	4.7	16,000	1215	3.2	10,800	1020	2.1	7,100	905	1.1	3,700	670		
380	800	6.4	21,700	1345	4.9	16,600	1165	3.3	11,400	970	2.3	7,700	855	1.3	4,300	620		

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

### 10HPB18 — HEATING PERFORMANCE CB29M-21/26 - CB28UH-018/024 at 600 cfm (285 L/s)

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## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB18 — COOLING CAPACITY — C33-18A — C26-21 — CH23-21 — CH33-30A-F

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	235	500	5.3	18,100	1380	.72	.85	.97	5.0	17,000	1480	.74	.88	.99	4.7	16,000	1580	.76	.91	1.00	4.4	14,900	1670	.78	.94	1.00
	285	600	5.5	18,700	1400	.76	.91	1.00	5.2	17,600	1500	.78	.93	1.00	4.9	16,600	1600	.81	.96	1.00	4.5	15,500	1700	.83	.99	1.00
	330	700	5.7	19,300	1410	.80	.95	1.00	5.3	18,200	1510	.82	.98	1.00	5.0	17,100	1620	.85	1.00	1.00	4.7	16,100	1720	.88	1.00	1.00
67°F (19.4°C)	235	500	5.7	19,400	1410	.56	.69	.82	5.4	18,300	1520	.57	.71	.84	5.0	17,100	1620	.58	.73	.87	4.7	16,000	1720	.60	.75	.90
	285	600	5.9	20,000	1420	.61	.77	.92	5.6	19,200	1540	.62	.80	.95	5.3	18,000	1650	.64	.83	.97	4.9	16,700	1750	.66	.86	1.00
	330	700	6.0	20,400	1420	.61	.77	.92	5.7	19,600	1550	.43	.55	.68	5.4	18,400	1660	.43	.57	.70	5.0	17,200	1770	.44	.58	.73
71°F (21.7°C)	235	500	6.1	20,800	1430	.42	.54	.66	5.7	19,600	1560	.44	.58	.73	5.5	18,900	1670	.44	.60	.75	5.2	17,600	1780	.45	.61	.78
	285	600	6.3	21,400	1440	.43	.57	.71	5.9	20,200	1560	.45	.61	.77	5.7	19,300	1680	.45	.63	.80	5.3	18,000	1790	.46	.65	.83

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

### 10HPB18 — COOLING CAPACITY — C33-24A/B — C26-26

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	235	500	5.5	18,600	1400	.72	.85	.97	5.1	17,500	1500	.73	.87	.99	4.8	16,400	1600	.75	.90	1.00	4.5	15,300	1690	.78	.93	1.00
	285	600	5.7	19,300	1410	.76	.90	1.00	5.3	18,200	1520	.78	.93	1.00	5.0	17,000	1620	.80	.96	1.00	4.7	15,900	1720	.83	.99	1.00
	330	700	5.8	19,900	1420	.80	.95	1.00	5.5	18,700	1530	.82	.98	1.00	5.2	17,600	1640	.85	1.00	1.00	4.9	16,600	1750	.88	1.00	1.00
67°F (19.4°C)	235	500	5.9	20,000	1420	.56	.69	.81	5.5	18,800	1530	.57	.71	.84	5.2	17,600	1640	.58	.73	.86	4.8	16,400	1740	.60	.75	.90
	285	600	6.0	20,600	1430	.58	.73	.87	5.7	19,400	1540	.60	.75	.89	5.3	18,200	1650	.61	.78	.93	5.0	16,900	1760	.63	.80	.96
	330	700	6.2	21,100	1440	.61	.77	.92	5.8	19,800	1550	.62	.79	.95	5.4	18,500	1670	.64	.82	.98	5.1	17,300	1770	.66	.85	1.00
71°F (21.7°C)	235	500	6.3	21,500	1440	.42	.54	.66	5.9	20,300	1560	.43	.55	.68	5.6	19,000	1680	.43	.56	.70	5.2	17,800	1790	.43	.58	.72
	285	600	6.5	22,100	1450	.43	.57	.70	6.1	20,800	1570	.44	.58	.72	5.7	19,500	1690	.44	.59	.75	5.3	18,200	1810	.45	.61	.78
	330	700	6.6	22,600	1450	.44	.59	.74	6.2	21,300	1580	.45	.61	.77	5.8	19,900	1700	.45	.63	.80	5.4	18,500	1820	.46	.65	.83

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

### 10HPB18 — HEATING CAPACITY — C33-18A — C26-21 — CH23-21 — CH33-30A-F

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																		
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)		
	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity			
	L/s	cfm			kW	Btu/h			kW	Btu/h			kW	Btu/h		kW	Btu/h		
235	500	6.3	21,400	1490	4.7	16,100	1275	3.1	10,600	1060	2.1	7100	855	1.0	3400	650			
	285	600	6.4	21,900	1460	4.9	16,600	1245	3.3	11,100	1030	2.2	7600	825	1.1	3900	620		
	330	700	6.6	22,400	1435	5.0	17,100	1215	3.4	11,600	1000	2.4	8100	795	1.3	4400	590		

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

### 10HPB18 — HEATING PERFORMANCE - C33-18A

C26-21 — CH23-21 — CH33-30A-F at 600 cfm (285 L/s)

*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
°F	°C			Btu/h	kW
65	18			21,900	6.4
60	16			20,700	6.1
55	13			19,400	5.7
50	10			18,200	5.3
47	8			17,400	5.1
45	7			16,600	4.9
40	4			14,600	4.3
35	2			12,700	3.7
30	-1			11,900	3.5
25	-4			11,100	3.3
20	-7			10,300	3.0
17	-8			9,900	2.9
15	-9			9,500	2.8
10	-12			8,600	2.5
5	-15			7,600	2.2
0	-18			6,700	2.0
-5	-21			5,800	1.7
-10	-23			4,800	1.4
-15	-26			3,900	1.1
-20	-29			3,000	0.9

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

### 10HPB18 — HEATING PERFORMANCE

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB18 — COOLING CAPACITY — CR26-18

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb										
	L/s	cfm			kW	Btuhr			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 (17.2°C)	235	500	5.2	17,700	1380	.71	.84	.96	4.9	16,700	1470	.73	.87	.98	4.6	15,700	1570	.75	.89	1.00	4.3	14,600	1660	.77	.92	1.00
	285	600	5.4	18,300	1390	.75	.89	1.00	5.1	17,300	1490	.77	.92	1.00	4.7	16,200	1590	.79	.95	1.00	4.5	15,200	1680	.82	.97	1.00
	330	700	5.5	18,800	1400	.78	.94	1.00	5.2	17,800	1500	.81	.96	1.00	4.9	16,700	1600	.83	.99	1.00	4.6	15,700	1700	.86	1.00	1.00
67°F (19.4°C)	235	500	5.6	19,100	1400	.56	.68	.81	5.3	18,000	1510	.57	.70	.83	5.0	16,900	1610	.58	.72	.86	4.6	15,700	1710	.59	.74	.89
	285	600	5.7	19,600	1410	.58	.72	.86	5.4	18,500	1520	.59	.74	.88	5.1	17,300	1630	.60	.76	.91	4.7	16,100	1720	.62	.79	.94
	330	700	5.9	20,100	1420	.60	.76	.90	5.5	18,900	1530	.61	.78	.93	5.2	17,700	1640	.63	.81	.96	4.8	16,500	1740	.65	.84	.99
71°F (21.7°C)	235	500	6.0	20,500	1430	.42	.54	.66	5.7	19,300	1540	.43	.55	.67	5.3	18,200	1650	.43	.56	.69	5.0	17,000	1760	.43	.57	.71
	285	600	6.2	21,100	1430	.43	.56	.69	5.8	19,900	1550	.43	.57	.71	5.5	18,600	1660	.44	.59	.74	5.1	17,400	1770	.44	.60	.76
	330	700	6.3	21,500	1440	.44	.58	.73	5.9	20,300	1560	.44	.60	.75	5.6	19,000	1670	.45	.61	.78	5.2	17,700	1790	.46	.63	.81

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

### 10HPB24 — COOLING CAPACITY — CB29M-21/26 - CB28UH-018/024

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb										
	L/s	cfm			kW	Btuhr			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 (17.2°C)	305	650	6.5	22,100	1780	.72	.86	.97	6.1	20,900	1900	.74	.88	.99	5.8	19,700	2010	.76	.91	1.00	5.4	18,400	2110	.78	.94	1.00
	375	800	6.7	23,000	1800	.77	.92	1.00	6.4	21,700	1930	.79	.94	1.00	6.0	20,500	2040	.81	.96	1.00	5.6	19,200	2150	.84	.99	1.00
	450	950	6.9	23,700	1820	.81	.96	1.00	6.6	22,400	1950	.84	.98	1.00	6.2	21,200	2070	.86	1.00	1.00	5.8	19,900	2190	.89	1.00	1.00
67°F (19.4°C)	305	650	6.9	23,700	1820	.57	.70	.82	6.6	22,400	1950	.57	.71	.85	6.2	21,000	2060	.59	.73	.87	5.7	19,600	2170	.60	.76	.90
	375	800	7.2	24,400	1840	.59	.74	.88	6.8	23,100	1970	.60	.76	.91	6.4	21,700	2090	.62	.79	.94	5.9	20,200	2200	.64	.82	.96
	450	950	7.3	25,000	1860	.62	.79	.94	6.9	23,600	1990	.63	.81	.96	6.5	22,100	2110	.65	.84	.98	6.0	20,600	2220	.67	.87	1.00
71°F (21.7°C)	305	650	7.4	25,400	1870	.42	.55	.67	7.0	24,000	2000	.43	.56	.68	6.6	22,600	2130	.43	.57	.70	6.2	21,100	2250	.44	.58	.73
	375	800	7.7	26,200	1890	.43	.58	.72	7.2	24,700	2030	.44	.59	.74	6.8	23,200	2160	.44	.60	.76	6.4	21,700	2280	.45	.62	.79
	450	950	7.8	26,700	1900	.44	.60	.76	7.4	25,200	2040	.45	.62	.79	6.9	23,700	2170	.46	.64	.81	6.4	22,000	2300	.47	.66	.85

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

### 10HPB18 — HEATING CAPACITY — CR26-18

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		
	L/s	cfm			kW	Btuhr			kW	Btuhr			kW	Btuhr		kW	Btuhr	
63°F (17.2°C)	235	500	6.2	21,100	1510	4.7	15,900	1285	3.0	10,400	1065	2.1	7000	855	1.0	3300	650	
	285	600	6.4	21,700	1485	4.8	16,400	1260	3.2	11,000	1035	2.2	7600	830	1.1	3900	625	
	330	700	6.5	22,200	1455	5.0	16,900	1235	3.4	11,500	1010	2.4	8100	805	1.3	4400	595	

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

### 10HPB18 — HEATING PERFORMANCE CR26-18 at 600 cfm (285 L/s)

*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
°F	°C	Btuhr	kW	Btuhr	kW
65	18	1500	21,400	6.3	
60	16	1445	20,200	5.9	
55	13	1385	18,900	5.5	
50	10	1330	17,700	5.2	
47	8	1295	17,000	5.0	
45	7	1270	16,200	4.7	
40	4	1210	14,300	4.2	
35	2	1150	12,400	3.6	
30	-1	1095	11,600	3.4	
25	-4	1040	10,900	3.2	
20	-7	990	10,100	3.0	
17	-8	955	9700	2.8	
15	-9	935	9300	2.7	
10	-12	885	8400	2.5	
5	-15	830	7500	2.2	
0	-18	780	6600	1.9	
-5	-21	730	5700	1.7	
-10	-23	675	4700	1.4	
-15	-26	625	3800	1.1	
-20	-29	575	2900	0.8	

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

### 10HPB24 — HEATING PERFORMANCE CB29M-21/26 - CB28UH-018/024 at 800 cfm (380 L/s)

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB24 — COOLING CAPACITY — CB29M-31 - CB28UH-030

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb					
63°F (17.2°C)	330	700	6.7	22,900	1800	.74	.88	.99	6.4	21,700	1920	.75	.90	1.00	6.0	20,400	2030	.78	.93	1.00	5.6	19,000	2140	.80	.96	1.00
	375	800	6.9	23,500	1820	.77	.91	1.00	6.5	22,200	1940	.79	.94	1.00	6.1	20,900	2060	.81	.96	1.00	5.7	19,600	2170	.84	.99	1.00
	425	900	7.0	24,000	1830	.80	.95	1.00	6.7	22,700	1960	.82	.97	1.00	6.3	21,400	2080	.84	.99	1.00	5.9	20,100	2200	.88	1.00	1.00
67°F (19.4°C)	330	700	7.2	24,500	1840	.57	.71	.84	6.8	23,200	1970	.58	.73	.86	6.4	21,800	2090	.60	.75	.89	5.9	20,300	2200	.61	.77	.92
	375	800	7.3	25,000	1860	.59	.74	.88	6.9	23,600	1990	.60	.76	.91	6.5	22,100	2110	.62	.79	.93	6.0	20,600	2220	.63	.81	.96
	425	900	7.4	25,400	1870	.61	.77	.92	7.0	24,000	2000	.62	.79	.94	6.6	22,500	2120	.64	.82	.97	6.1	20,900	2240	.66	.85	.99
71°F (21.7°C)	330	700	7.7	26,300	1890	.43	.55	.68	7.3	24,900	2030	.43	.57	.70	6.9	23,400	2160	.43	.58	.72	6.4	21,800	2280	.44	.59	.75
	375	800	7.9	26,800	1910	.43	.57	.71	7.4	25,300	2040	.44	.59	.73	7.0	23,800	2180	.44	.60	.76	6.5	22,100	2300	.45	.62	.79
	425	900	8.0	27,200	1920	.44	.59	.74	7.5	25,700	2060	.45	.61	.77	7.1	24,100	2190	.45	.62	.80	6.6	22,400	2310	.46	.65	.83

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

### 10HPB24 — COOLING CAPACITY — CB30U-21/26 — CB30M-21/26

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb					
63°F (17.2°C)	330	700	7.0	23,800	1830	.73	.87	.99	6.6	22,400	1960	.75	.90	1.00	6.2	21,000	2080	.77	.93	1.00	5.7	19,600	2190	.80	.96	1.00
	375	800	7.2	24,400	1850	.76	.91	1.00	6.7	23,000	1980	.78	.94	1.00	6.3	21,600	2100	.81	.97	1.00	5.9	20,200	2220	.84	.99	1.00
	425	900	7.3	24,900	1870	.79	.95	1.00	6.9	23,500	2000	.82	.97	1.00	6.5	22,100	2120	.84	.99	1.00	6.1	20,800	2250	.88	1.00	1.00
67°F (19.4°C)	330	700	7.5	25,500	1880	.57	.70	.84	7.0	24,000	2020	.58	.72	.86	6.6	22,500	2140	.59	.75	.89	6.1	20,900	2260	.61	.77	.92
	375	800	7.6	26,100	1900	.59	.74	.88	7.2	24,500	2030	.60	.76	.90	6.7	22,900	2160	.62	.78	.93	6.2	21,300	2280	.63	.81	.97
	425	900	7.8	26,500	1910	.61	.77	.92	7.3	24,900	2050	.62	.79	.94	6.8	23,300	2170	.64	.82	.97	6.4	21,700	2290	.66	.85	1.00
71°F (21.7°C)	330	700	8.0	27,400	1930	.43	.55	.68	7.6	25,800	2070	.43	.56	.70	7.1	24,200	2210	.43	.58	.72	6.6	22,500	2340	.44	.59	.74
	375	800	8.2	28,000	1940	.43	.57	.71	7.7	26,300	2090	.44	.58	.73	7.2	24,700	2230	.44	.60	.76	6.7	22,900	2350	.45	.62	.79
	425	900	8.3	28,400	1960	.44	.59	.74	7.8	26,700	2100	.44	.61	.77	7.3	25,000	2240	.45	.62	.79	6.8	23,200	2370	.46	.65	.83

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

### 10HPB24 — HEATING CAPACITY — CB29M-31 - CB28UH-030

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																			
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity				
		L/s	cfm			kW	Btu/h			kW	Btu/h			kW	Btu/h			kW	Btu/h		
330	700	7.6	26,000	1820	5.7	19,600	1565	3.8	12,800	1305	2.5	8,500	1065	1.3	4,300	800	7.8	26,700	1865	5.7	19,600
380	800	7.7	26,400	1820	5.9	20,000	1565	3.9	13,200	1305	2.6	8,900	1065	1.4	4,700	800	7.9	26,200	1865	5.8	19,600
425	900	7.9	26,800	1800	6.0	20,400	1545	4.0	13,600	1285	2.7	9,300	1045	1.5	5,100	780	8.0	27,200	1885	6.0	20,400

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

### 10HPB24 — HEATING CAPACITY — CB30U-21/26 — CB30M-21/26

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil																	
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		
		L/s	cfm			kW	Btu/h												

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB24 — COOLING CAPACITY — CB30U-31 — CB30M-31

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb										
	L/s	cfm			kW	Btuhr			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuhr									
63°F (17.2°C)	285	600	6.8	23,300	1820	.70	.83	.94	6.4	21,900	1940	.72	.85	.97	6.0	20,500	2050	.73	.88	.99	5.6	19,100	2160	.76	.91	1.00
	375	800	7.2	24,700	1850	.76	.91	1.00	6.8	23,200	1990	.78	.94	1.00	6.4	21,800	2110	.81	.97	1.00	5.9	20,300	2220	.84	1.00	1.00
	470	1000	7.6	25,800	1880	.82	.98	1.00	7.1	24,300	2020	.85	1.00	1.00	6.7	23,000	2160	.88	1.00	1.00	6.3	21,500	2290	.91	1.00	1.00
67°F (19.4°C)	285	600	7.4	25,100	1870	.55	.67	.79	6.9	23,600	2000	.56	.69	.81	6.5	22,100	2120	.57	.70	.84	6.0	20,600	2240	.58	.73	.87
	375	800	7.7	26,400	1900	.59	.73	.87	7.3	24,800	2040	.60	.75	.90	6.8	23,200	2170	.61	.78	.93	6.3	21,500	2290	.63	.81	.97
	470	1000	8.0	27,300	1920	.62	.80	.95	7.5	25,600	2060	.64	.82	.98	7.0	23,900	2200	.66	.85	1.00	6.5	22,200	2320	.68	.89	1.00
71°F (21.7°C)	285	600	7.9	27,000	1920	.42	.53	.64	7.5	25,500	2060	.42	.54	.66	7.0	23,900	2190	.43	.55	.68	6.5	22,200	2320	.43	.57	.70
	375	800	8.3	28,400	1950	.43	.57	.71	7.8	26,700	2100	.44	.58	.73	7.3	25,000	2240	.44	.60	.75	6.8	23,100	2360	.45	.62	.78
	470	1000	8.6	29,200	1970	.45	.61	.77	8.0	27,400	2120	.45	.63	.80	7.5	25,600	2260	.46	.65	.83	6.9	23,700	2390	.47	.67	.86

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

### 10HPB24 — COOLING CAPACITY — C26-21 — CH23-21

Enter- ing Wet Bulb Temper- ature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb										
	L/s	cfm			kW	Btuhr			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuhr									
63°F (17.2°C)	305	650	6.6	22,400	1790	.73	.86	.97	6.2	21,200	1910	.74	.88	.99	5.8	19,900	2020	.76	.91	1.00	5.5	18,700	2120	.79	.94	1.00
	375	800	6.8	23,300	1820	.77	.92	1.00	6.4	22,000	1940	.79	.94	1.00	6.1	20,700	2060	.82	.97	1.00	5.7	19,400	2170	.85	.99	1.00
	450	950	7.0	24,000	1840	.82	.97	1.00	6.7	22,800	1960	.84	.99	1.00	6.3	21,500	2090	.87	1.00	1.00	5.9	20,200	2210	.90	1.00	1.00
67°F (19.4°C)	305	650	7.0	24,000	1840	.57	.70	.83	6.7	22,700	1960	.58	.72	.85	6.2	21,300	2080	.59	.74	.88	5.8	19,900	2190	.60	.76	.91
	375	800	7.3	24,800	1860	.59	.75	.89	6.9	23,400	1990	.61	.77	.91	6.4	21,900	2110	.62	.79	.94	6.0	20,400	2220	.64	.82	.97
	450	950	7.4	25,300	1870	.62	.79	.94	7.0	23,900	2000	.64	.82	.96	6.6	22,400	2130	.65	.85	.99	6.1	20,900	2240	.68	.88	1.00
71°F (21.7°C)	305	650	7.5	25,700	1880	.43	.55	.67	7.1	24,300	2020	.43	.56	.69	6.7	22,900	2150	.43	.57	.71	6.3	21,400	2260	.44	.59	.73
	375	800	7.8	26,500	1900	.43	.58	.72	7.3	25,000	2040	.44	.59	.74	6.9	23,500	2170	.44	.61	.77	6.4	21,900	2290	.45	.63	.80
	450	950	7.9	27,000	1920	.45	.61	.77	7.5	25,500	2060	.45	.62	.79	7.0	23,900	2190	.46	.64	.82	6.5	22,300	2310	.47	.66	.85

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

### 10HPB24 — HEATING CAPACITY — CB30U-31 — CB30M-31

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm			kW	Btuhr			kW	Btuhr			kW	Btuhr			kW	Btuhr
330	700	7.6	25,800	1975	5.6	19,200	1685	3.6	12,400	1385	2.3	7,900	1175	1.1	3,700	895		
380	800	7.8	26,700	1915	5.9	20,100	1625	3.9	13,300	1325	2.6	8,800	1115	1.3	4,600	835		
425	900	8.0	27,200	1875	6.0	20,600	1585	4.0	13,800	1285	2.7	9,300	1075	1.5	5,100	795		

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

### 10HPB24 — HEATING PERFORMANCE — CB30U/CB30M-31 at 800 cfm (380 L/s)

*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
°F	°C	Btuhr	kW	Btuhr	kW
65	18	1915	26,700	7.8	
60	16	1850	25,200	7.4	
55	13	1780	23,700	6.9	
50	10	1715	22,100	6.5	
47	8	1675	21,200	6.2	
45	7	1625	20,100	5.9	
40	4	1505	17,500	5.1	
35	2	1385	14,900	4.4	
30	-1	1355	14,100	4.1	
25	-4	1325	13,300	3.9	
20	-7	1295	12,500	3.7	
17	-8	1280	12,000	3.5	
15	-9	1255	11,400	3.3	
10	-12	1185	9,900	2.9	
5	-15	1115	8,800	2.6	
0	-18	1045	7,800	2.3	
-5	-21	975	6,700	2.0	
-10	-23	905	5,700	1.7	
-15	-26	835	4,600	1.3	
-20	-29	765	3,600	1.1	

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

### 10HPB24 — HEATING PERFORMANCE — C26-21 — CH23-21 at 800 cfm (375 L

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB24 — COOLING CAPACITY — C33-24A/B — C26-26 — CH33-30A-F — CH23-31

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb					
63°F (17.2°C)	305	650	6.8	23,200	1820	.72	.86	.97	6.4	21,900	1940	.74	.88	.99	6.0	20,600	2060	.76	.91	1.00	5.6	19,200	2160	.78	.94	1.00
	375	800	7.1	24,100	1850	.77	.92	1.00	6.7	22,800	1970	.79	.94	1.00	6.3	21,400	2090	.81	.97	1.00	5.9	20,100	2210	.84	.99	1.00
	450	950	7.3	24,900	1870	.81	.97	1.00	6.9	23,600	2000	.84	.99	1.00	6.5	22,200	2130	.87	1.00	1.00	6.1	20,900	2250	.90	1.00	1.00
67°F (19.4°C)	305	650	7.3	24,900	1870	.56	.69	.82	6.9	23,500	2000	.57	.71	.84	6.4	22,000	2120	.59	.73	.87	6.0	20,500	2230	.60	.76	.90
	375	800	7.5	25,700	1890	.59	.74	.88	7.1	24,200	2020	.60	.76	.91	6.7	22,700	2150	.62	.79	.94	6.2	21,100	2260	.64	.82	.97
	450	950	7.7	26,300	1900	.62	.79	.94	7.3	24,800	2040	.63	.81	.96	6.8	23,200	2170	.65	.84	.99	6.3	21,600	2290	.67	.87	1.00
71°F (21.7°C)	305	650	7.8	26,700	1910	.42	.55	.67	7.4	25,200	2050	.43	.56	.68	6.9	23,700	2190	.43	.57	.70	6.5	22,100	2310	.44	.58	.73
	375	800	8.1	27,600	1940	.43	.57	.72	7.6	26,000	2080	.44	.59	.74	7.2	24,400	2210	.44	.60	.76	6.7	22,700	2340	.45	.62	.79
	450	950	8.3	28,200	1950	.44	.60	.76	7.8	26,500	2100	.45	.62	.79	7.3	24,800	2230	.46	.64	.82	6.8	23,100	2360	.47	.66	.85

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

### 10HPB24 — COOLING CAPACITY — CR26-18

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	Dry Bulb					
63°F (17.2°C)	305	650	6.4	21,900	1780	.72	.85	.96	6.1	20,800	1890	.73	.87	.98	5.7	19,500	2000	.75	.90	1.00	5.4	18,300	2100	.77	.92	1.00
	375	800	6.7	22,800	1800	.76	.90	1.00	6.3	21,500	1920	.78	.93	1.00	5.9	20,300	2030	.80	.95	1.00	5.6	19,000	2140	.83	.98	1.00
	450	950	6.9	23,400	1820	.80	.95	1.00	6.5	22,200	1950	.82	.97	1.00	6.1	20,900	2060	.85	.99	1.00	5.8	19,700	2180	.88	1.00	1.00
67°F (19.4°C)	305	650	6.9	23,500	1820	.56	.69	.81	6.5	22,300	1950	.57	.70	.83	6.1	20,900	2060	.58	.72	.86	5.7	19,500	2170	.59	.75	.89
	375	800	7.1	24,300	1840	.58	.73	.87	6.7	22,900	1970	.60	.75	.89	6.3	21,500	2090	.61	.77	.92	5.9	20,100	2200	.63	.80	.95
	450	950	7.3	24,900	1860	.61	.77	.92	6.9	23,400	1990	.62	.80	.95	6.4	22,000	2110	.64	.82	.97	6.0	20,500	2220	.66	.85	.99
71°F (21.7°C)	305	650	7.4	25,300	1870	.42	.54	.66	7.0	23,900	2000	.43	.55	.68	6.6	22,500	2130	.43	.56	.69	6.2	21,000	2250	.43	.58	.72
	375	800	7.6	26,000	1890	.43	.57	.70	7.2	24,600	2030	.44	.58	.72	6.8	23,100	2160	.44	.59	.75	6.3	21,600	2280	.45	.61	.77
	450	950	7.8	26,600	1910	.44	.59	.75	7.4	25,100	2040	.45	.61	.77	6.9	23,600	2170	.45	.63	.80	6.4	22,000	2290	.46	.65	.83

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

### 10HPB24 — HEATING CAPACITY — C33-24A/B — C26-26 — CH33-30A-F — CH23-31

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil														-15°F (-28°C)			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		
	L/s	cfm			kW	Btu/h			kW	Btu/h			kW	Btu/h		kW	Btu/h	
305	650	8.1	27,500	1960	6.0	20,400	1670	3.8	13,000	1380	2.5	8700	1120	1.2	4100	855		
375	800	8.3	28,200	1915	6.2	21,100	1630	4.0	13,700	1340	2.8	9400	1080	1.4	4800	810		
450	950	8.5	28,900	1875	6.4	21,800	1585	4.2	14,400	1295	3.0	10,200	1035	1.6	5500	770		

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

### 10HPB24 — HEATING PERFORMANCE — C33-24A/B

#### C26-26 — CH33-30A-F — CH23-31 at 800 cfm (375 L/s)

*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
°F	°C	Btu/h	kW	Btu/h	kW
65	18	1915	28,200	8.3	
60	16	1845	26,500	7.8	
55	13	1775	24,900	7.3	
50	10	1705	23,200	6.8	
47	8	1665	22,200	6.5	
45	7	1630	21,100	6.2	
40	4	1545	18,300	5.4	
35	2	1465	15,500	4.5	
30	-1	1400	14,600	4.3	
25	-4	1340	13,700	4.0	
20	-7	1275	12,800	3.8	
17	-8	1240	12,200	3.6	
15	-9	1215	11,700	3.4	
10	-12	1145	10,600	3.1	
5	-15	1080	9400	2.8	
0	-18	1010	8300	2.4	
-5	-21	945	7100	2.1	
-10	-23	880	6000	1.8	
-15	-26	810	4800	1.4	
-20	-29	745	3700	1.1	

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

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## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB30 — CB29M-31 - CB28UH-030 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	700	330	27.4	8.0	2.81	.69	.81	.93	26.5	7.8	3.15	.70	.83	.94	25.4	7.4	3.53	.71	.84	.96	24.3	7.1	3.95	.72	.86	.97	
	900	425	28.6	8.4	2.84	.74	.88	.99	27.6	8.1	3.18	.75	.89	1.00	26.5	7.8	3.56	.76	.91	1.00	25.3	7.4	3.99	.78	.93	1.00	
	1100	520	29.5	8.6	2.86	.79	.94	1.00	28.5	8.4	3.20	.80	.95	1.00	27.4	8.0	3.58	.81	.97	1.00	26.2	7.7	4.02	.84	.98	1.00	
67°F (19°C)	700	330	29.2	8.6	2.85	.55	.67	.78	28.2	8.3	3.19	.56	.67	.79	27.1	7.9	3.57	.56	.69	.81	25.9	7.6	4.00	.57	.69	.83	
	900	425	30.3	8.9	2.88	.58	.72	.85	29.2	8.6	3.22	.58	.73	.86	28.0	8.2	3.60	.59	.74	.88	26.8	7.9	4.03	.60	.76	.90	
	1100	520	31.1	9.1	2.90	.60	.76	.91	30.0	8.8	3.23	.61	.78	.93	28.7	8.4	3.62	.62	.79	.94	27.4	8.0	4.05	.63	.81	.96	
71°F (22°C)	700	330	31.2	9.1	2.90	.42	.53	.64	30.1	8.8	3.24	.42	.53	.65	28.9	8.5	3.63	.43	.54	.66	27.6	8.1	4.06	.42	.55	.67	
	900	425	32.3	9.5	2.93	.43	.56	.69	31.1	9.1	3.27	.43	.57	.70	29.9	8.8	3.65	.43	.58	.72	28.5	8.4	4.09	.44	.59	.73	
	1100	520	33.0	9.7	2.95	.44	.59	.74	31.8	9.3	3.29	.44	.60	.76	30.5	8.9	3.67	.45	.61	.77	29.1	8.5	4.11	.45	.62	.79	

### 10HPB30 — CB29M-41 - CB28UH-036 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	800	380	28.0	8.2	2.83	.71	.84	.96	27.0	7.9	3.16	.72	.86	.97	25.9	7.6	3.54	.73	.87	.99	24.7	7.2	3.97	.75	.89	1.00	
	1000	470	29.0	8.5	2.86	.76	.88	.91	1.00	28.0	8.2	3.20	.77	.92	1.00	26.8	7.9	3.58	.79	.94	1.00	25.6	7.5	4.00	.81	.96	1.00
	1200	565	29.8	8.8	2.88	.81	.96	1.00	28.8	8.4	3.21	.82	.98	1.00	27.7	8.1	3.59	.84	.99	1.00	26.5	7.8	4.02	.86	.98	1.00	
67°F (19°C)	800	380	28.8	8.7	2.87	.56	.69	.81	28.7	8.4	3.21	.57	.70	.82	27.5	8.1	3.59	.57	.71	.84	26.3	7.7	4.02	.58	.72	.86	
	1000	470	30.7	9.0	2.90	.59	.74	.88	29.6	8.7	3.23	.59	.75	.89	28.3	8.3	3.62	.60	.77	.91	27.0	7.9	4.05	.61	.79	.93	
	1200	565	31.4	9.2	2.91	.62	.79	.93	30.2	8.9	3.25	.63	.80	.95	28.9	8.5	3.63	.64	.82	.97	27.6	8.1	4.06	.65	.84	.99	
71°F (22°C)	800	380	31.8	9.3	2.92	.42	.54	.66	30.6	9.0	3.26	.42	.55	.67	29.4	8.6	3.64	.43	.55	.68	28.0	8.2	4.08	.43	.56	.70	
	1000	470	32.7	9.6	2.95	.43	.57	.71	31.5	9.2	3.29	.43	.58	.73	30.2	8.9	3.67	.44	.59	.74	28.7	8.4	4.11	.44	.60	.76	
	1200	565	33.4	9.8	2.96	.44	.60	.76	32.1	9.4	3.30	.45	.61	.78	30.7	9.0	3.69	.45	.63	.80	29.3	8.6	4.12	.46	.64	.82	

### 10HPB30 - CB29-31 - CB28UH-030 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)					
			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	75°F 24°C	kBtuh	kW	75°F 24°C	kBtuh	kW	75°F 24°C	kBtuh	kW													
900	425	32.6	9.6	2.40	25.6	7.5	2.17	18.3	5.4	1.94	12.9	3.8	1.72	6.4	1.9	1.27										
1000	470	32.9	9.6	2.35	25.9	7.6	2.12	18.6	5.5	1.89	13.2	3.9	1.67	6.7	2.0	1.22										
1100	520	33.2	9.7	2.31	26.2	7.7	2.08	18.9	5.5	1.85	13.5	4.0	1.63	7.0	2.1	1.18										

### 10HPB30 - CB29-31 - CB28UH-030 - HEATING PERFORMANCE

PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		2.35	9.6
60	16		2.29	9.2
55	13		2.24	8.7
50	10		2.19	8.2
47	8		2.16	7.9
45	7		2.12	7.6
40	4		2.03	6.8
35	2		1.94	6.0
30	-1		1.92	5.7
25	-4		1.89	5.5
20	-7		1.87	5.2
17	-8		1.85	5.0
15	-9		1.83	4.8
10	-12		1.78	4.3
5	-			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB30 — CB30M/CB30U-21/26 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)					
	cfm	L/s	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C			
63°F (17°C)	700	330	27.5	8.1	2.74	.69	.81	.92	26.5	7.8	3.06	.70	.83	.94	25.5	7.5	3.42	.71	.84	.95	24.3	7.1	3.84	.72	.86	.97
	900	425	28.8	8.4	2.77	.74	.88	.99	27.7	8.1	3.09	.75	.90	1.00	26.6	7.8	3.46	.76	.91	1.00	25.4	7.4	3.87	.78	.93	1.00
	1100	520	29.8	8.7	2.79	.78	.94	1.00	28.7	8.4	3.12	.80	.95	1.00	27.5	8.1	3.49	.82	.97	1.00	26.3	7.7	3.90	.84	.99	1.00
67°F (19°C)	700	330	29.4	8.6	2.78	.55	.66	.78	28.3	8.3	3.10	.55	.67	.79	27.2	8.0	3.47	.56	.68	.81	25.9	7.6	3.89	.56	.69	.82
	900	425	30.6	9.0	2.81	.58	.71	.84	29.5	8.6	3.14	.58	.72	.86	28.2	8.3	3.51	.59	.74	.88	26.9	7.9	3.92	.60	.75	.90
	1100	520	31.4	9.2	2.83	.60	.76	.91	30.2	8.9	3.16	.61	.78	.92	28.9	8.5	3.53	.62	.80	.94	27.5	8.1	3.95	.63	.81	.97
71°F (22°C)	700	330	31.4	9.2	2.83	.42	.53	.64	30.3	8.9	3.16	.42	.53	.64	29.0	8.5	3.53	.42	.54	.66	27.7	8.1	3.95	.43	.55	.67
	900	425	32.6	9.6	2.86	.43	.56	.69	31.4	9.2	3.19	.43	.56	.70	30.1	8.8	3.56	.43	.57	.71	28.6	8.4	3.98	.44	.58	.73
	1100	520	33.4	9.8	2.88	.44	.59	.74	32.1	9.4	3.21	.44	.60	.75	30.8	9.0	3.58	.44	.61	.77	29.3	8.6	4.00	.45	.62	.79

### 10HPB30 — C26-26 - C33-36A/B/C - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)					
	cfm	L/s	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C			
63°F (17°C)	800	380	27.6	8.1	2.76	.72	.85	.96	26.6	7.8	3.08	.72	.86	.98	25.5	7.5	3.45	.74	.88	.99	24.4	7.2	3.87	.76	.90	1.00
	1000	470	28.6	8.4	2.78	.76	.91	1.00	27.6	8.1	3.11	.78	.93	1.00	26.5	7.8	3.48	.79	.94	1.00	25.3	7.4	3.89	.82	.96	1.00
	1200	565	29.4	8.6	2.80	.81	.97	1.00	28.4	8.3	3.13	.83	.98	1.00	27.3	8.0	3.50	.85	.99	1.00	26.2	7.7	3.92	.87	1.00	1.00
67°F (19°C)	800	380	29.3	8.6	2.80	.56	.69	.82	28.2	8.3	3.12	.57	.70	.83	27.1	7.9	3.49	.58	.71	.85	25.8	7.6	3.91	.59	.73	.87
	1000	470	30.2	8.9	2.82	.59	.74	.88	29.1	8.5	3.14	.60	.76	.90	27.9	8.2	3.52	.61	.77	.92	26.6	7.8	3.94	.62	.79	.94
	1200	565	30.8	9.0	2.83	.62	.80	.94	29.7	8.7	3.16	.63	.81	.96	28.5	8.4	3.54	.64	.82	.97	27.1	7.9	3.95	.65	.85	.99
71°F (22°C)	800	380	31.2	9.1	2.84	.42	.54	.67	30.1	8.8	3.17	.43	.55	.67	28.9	8.5	3.55	.43	.56	.69	27.6	8.1	3.96	.43	.57	.71
	1000	470	32.1	9.4	2.86	.44	.58	.72	30.9	9.1	3.20	.44	.59	.73	29.6	8.7	3.57	.44	.59	.75	28.2	8.3	3.99	.45	.61	.77
	1200	565	32.7	9.6	2.88	.45	.61	.77	31.5	9.2	3.21	.45	.62	.79	30.2	8.9	3.59	.45	.63	.81	28.7	8.4	4.01	.46	.65	.83

### 10HPB30 - CB30M/CB30U-21/26 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)					
			Total Heating Capacity		Comp. Motor kW Input															
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	Comp. Motor kW Input	
800	380	33.4	9.8	2.43	25.8	7.6	2.21	18.0	5.3	1.97	12.4	3.6	1.75	6.1	1.8	1.31				
	1000	470	34.0	10.0	2.32	26.4	7.7	2.10	18.6	5.5	1.86	13.0	3.8	1.64	6.7	2.0	1.20			
	1200	565	34.5	10.1	2.25	26.9	7.9	2.03	19.1	5.6	1.79	13.5	4.0	1.57	7.2	2.1	1.13			

### 10HPB30 - CB30M/CB30U-21/26 - HEATING PERFORMANCE at 900 cfm (425 L/s) Indoor Coil Air Volume

*Outdoor Temperature	Compressor Motor kW Input	Total Output	
°F	°C	kBtuh	kW
65	18	2.31	34.0
60	16	2.27	32.2
55	13	2.23	30.4
50	10	2.18	28.7
47	8	2.16	27.6
45	7	2.13	26.4
40	4	2.04	23.5
35	2	1.96	20.7
30	-1	1.95	19.6
25	-4	1.93	18.6
20	-7	1.91	17.6
17	-8	1.91	17.0
15	-9	1.89	16.3
10	-12	1.85	14.5
5	-15	1.73	13.0
0	-18	1.61	11.4
-5	-21	1.50	9.8
-10	-23	1.38	8.2
-15	-26	1.26	6.7
-20	-29	1.14	5.1

*Outdoor Temperature	Compressor Motor kW Input	Total Output	
°F	°C	kBtuh	kW
65	18	2.32	34.0
60	16	2.27	32.2
55	13	2.22	30.4
50	10	2.17	28.7
47	8	2.13	27.6
45	7	2.10	26.4
40	4	2.01	23.5
35	2	1.91	20.7
30	-1	1.89	19.6
25	-4	1.86	18.6
20	-7	1.84	17.6
17	-8	1.82	17.0
15	-9	1.80	16.3
10	-12	1.75	14.5
5	-15	1.64	13.0
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## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB30 — CR26-30 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	28.8	8.4	2.83	.71	.84	.96	27.7	8.1	3.17	.72	.86	.98	26.6	7.8	3.54	.74	.88	.99	25.4	7.4	3.97	.75	.89	1.00	
	1000	470	29.8	8.7	2.86	.76	.91	1.00	28.8	8.4	3.20	.78	.92	1.00	27.6	8.1	3.58	.79	.94	1.00	26.4	7.7	4.00	.81	.96	1.00	
	1200	565	30.7	9.0	2.88	.81	.96	1.00	29.6	8.7	3.22	.82	.98	1.00	28.5	8.4	3.60	.84	.99	1.00	27.2	8.0	4.03	.86	1.00	1.00	
67°F (19°C)	800	380	30.6	9.0	2.88	.56	.69	.81	29.5	8.6	3.21	.57	.70	.82	28.3	8.3	3.59	.57	.71	.84	27.0	7.9	4.02	.58	.73	.86	
	1000	470	31.6	9.3	2.90	.59	.74	.88	30.4	8.9	3.23	.60	.75	.90	29.1	8.5	3.62	.60	.77	.91	27.8	8.1	4.05	.62	.78	.94	
	1200	565	32.3	9.5	2.92	.62	.79	.94	31.0	9.1	3.26	.63	.80	.95	29.8	8.7	3.63	.64	.82	.97	28.3	8.3	4.07	.65	.84	.99	
71°F (22°C)	800	380	32.6	9.6	2.93	.43	.54	.66	31.5	9.2	3.27	.43	.55	.67	30.2	8.9	3.65	.43	.56	.69	28.8	8.4	4.08	.43	.57	.70	
	1000	470	33.6	9.8	2.95	.43	.57	.71	32.3	9.5	3.29	.44	.58	.73	31.0	9.1	3.68	.44	.59	.74	29.5	8.6	4.11	.44	.60	.76	
	1200	565	34.3	10.1	2.97	.44	.60	.76	33.0	9.7	3.31	.45	.62	.78	31.6	9.3	3.69	.45	.63	.80	30.1	8.8	4.13	.46	.64	.82	

### 10HPB30 — CH23-21 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	25.4	7.4	2.98	.72	.85	.96	24.5	7.2	3.34	.73	.87	.98	23.6	6.9	3.74	.74	.88	.99	22.5	6.6	4.19	.75	.90	1.00	
	1000	470	26.4	7.7	3.01	.76	.91	1.00	25.4	7.4	3.37	.78	.93	1.00	24.5	7.2	3.77	.79	.94	1.00	23.4	6.9	4.23	.81	.96	1.00	
	1200	565	27.1	7.9	3.03	.81	.96	1.00	26.2	7.7	3.39	.83	.98	1.00	25.2	7.4	3.80	.85	.99	1.00	24.2	7.1	4.25	.86	1.00	1.00	
67°F (19°C)	800	380	27.0	7.9	3.03	.56	.69	.82	26.1	7.6	3.38	.57	.70	.83	25.0	7.3	3.79	.58	.72	.85	23.9	7.0	4.24	.59	.73	.87	
	1000	470	27.8	8.1	3.05	.59	.74	.88	26.8	7.9	3.41	.60	.76	.90	25.8	7.6	3.81	.61	.77	.92	24.6	7.2	4.26	.62	.79	.94	
	1200	565	28.4	8.3	3.06	.62	.79	.94	27.4	8.0	3.42	.63	.81	.95	26.3	7.7	3.83	.64	.83	.97	25.1	7.4	4.29	.65	.84	.98	
71°F (22°C)	800	380	28.8	8.4	3.07	.42	.55	.67	27.8	8.1	3.43	.42	.55	.68	26.7	7.8	3.84	.43	.56	.69	25.5	7.5	4.30	.43	.57	.70	
	1000	470	29.6	8.7	3.10	.44	.58	.72	28.5	8.4	3.46	.44	.59	.73	27.4	8.0	3.86	.44	.59	.75	26.1	7.6	4.32	.44	.61	.77	
	1200	565	30.2	8.9	3.11	.44	.61	.77	29.0	8.5	3.47	.45	.62	.79	27.8	8.1	3.88	.45	.63	.80	26.6	7.8	4.34	.46	.64	.83	

### 10HPB30 - CR26-30 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)						
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity		Comp. Motor kW Input		
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
800	380	32.8	9.6	2.56	25.4	7.0	26.0	7.6	21.9	5.3	18.1	5.3	1.94	12.3	3.6	1.71	6.1	1.8	1.29	32.6	9.8	2.54	24.8	7.3	23.9	7.0	4.24
1000	470	33.6	9.8	2.54	26.2	7.7	26.6	7.8	2.08	5.5	18.7	5.5	1.83	12.9	3.8	1.60	6.7	2.0	1.18	33.0	9.9	2.52	24.6	7.1	24.6	7.2	4.26
1200	565	33.9	9.9	2.41	26.5	7.8	27.1	7.9	2.01	5.6	19.2	5.6	1.76	13.4	3.9	1.53	7.2	2.1	1.11	33.4	9.9	2.50	24.4	7.0	25.1	7.1	4.28

### 10HPB30 - CR26-30 - HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		34.3	10.1
60	16		32.5	9.5
55	13		30.7	9.0
50	10		28.9	8.5
47	8		27.8	8.1
45	7		26.6	7.8
40	4		23.7	6.9
35	2			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB30 — CH23-31 - CH33-36A/B/C-F - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	28.4	8.3	2.84	.71	.85	.96	27.4	8.0	3.18	.73	.86	.97	26.3	7.7	3.56	.74	.87	.99	25.1	7.4	3.99	.75	.90	.90	1.00	
	1000	470	29.4	8.6	2.87	.76	.91	1.00	28.4	8.3	3.21	.78	.93	1.00	27.3	8.0	3.59	.79	.94	1.00	26.1	7.6	4.02	.81	.96	.96	1.00	
	1200	565	30.3	8.9	2.89	.81	.96	1.00	29.2	8.6	3.23	.83	.98	1.00	28.1	8.2	3.61	.84	.99	1.00	26.9	7.9	4.05	.86	.98	.98	1.00	
67°F (19°C)	800	380	30.2	8.9	2.89	.56	.69	.81	29.1	8.5	3.22	.57	.70	.83	27.9	8.2	3.61	.57	.71	.85	26.6	7.8	4.03	.58	.73	.86	.86	
	1000	470	31.1	9.1	2.91	.59	.74	.88	30.0	8.8	3.24	.60	.75	.90	28.7	8.4	3.63	.61	.77	.91	27.4	8.0	4.06	.62	.79	.94	.94	
	1200	565	31.8	9.3	2.92	.62	.79	.93	30.6	9.0	3.26	.63	.80	.95	29.3	8.6	3.65	.64	.82	.97	28.0	8.2	4.08	.65	.84	.99	.99	
71°F (22°C)	800	380	32.2	9.4	2.93	.42	.54	.66	31.0	9.1	3.27	.43	.55	.67	29.8	8.7	3.66	.43	.56	.69	28.4	8.3	4.09	.43	.57	.70	.70	
	1000	470	33.1	9.7	2.96	.44	.57	.72	31.9	9.3	3.30	.44	.58	.73	30.6	9.0	3.69	.44	.59	.75	29.1	8.5	4.12	.44	.60	.77	.77	
	1200	565	33.7	9.9	2.97	.45	.61	.77	32.5	9.5	3.31	.45	.62	.78	31.1	9.1	3.70	.45	.63	.80	29.6	8.7	4.14	.46	.65	.82	.82	

### 10HPB36 — CB29M-31 - CB28UH-030 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	900	425	32.5	9.5	3.31	.70	.83	.95	31.5	9.2	3.70	.71	.84	.96	30.3	8.9	4.14	.72	.86	.97	29.2	8.6	4.64	.73	.87	.98	.98	
	1100	500	33.6	9.8	3.33	.74	.88	.99	32.5	9.5	3.72	.76	.90	1.00	31.4	9.2	4.16	.77	.91	1.00	30.1	8.8	4.67	.78	.93	1.00	.99	
	1300	565	34.5	10.1	3.35	.78	.93	1.00	33.4	9.8	3.74	.79	.94	1.00	32.2	9.4	4.18	.81	.96	1.00	31.0	9.1	4.69	.82	.97	1.00	.99	
67°F (19°C)	900	425	34.6	10.1	3.35	.56	.68	.80	33.5	9.8	3.74	.56	.69	.81	32.3	9.5	4.18	.57	.70	.82	31.1	9.1	4.69	.57	.71	.84	.84	
	1100	520	35.6	10.4	3.37	.58	.72	.85	34.4	10.1	3.75	.58	.73	.87	33.2	9.7	4.20	.59	.74	.88	31.9	9.3	4.70	.60	.76	.90	.90	
	1300	615	36.4	10.7	3.38	.60	.76	.90	35.1	10.3	3.77	.61	.77	.92	33.8	9.9	4.21	.62	.79	.93	32.5	9.5	4.72	.63	.80	.95	.95	
71°F (22°C)	900	425	36.9	10.8	3.39	.42	.54	.65	35.7	10.5	3.78	.43	.54	.66	34.5	10.1	4.23	.43	.55	.67	33.2	9.7	4.74	.43	.55	.68	.68	
	1100	520	37.9	11.1	3.41	.43	.56	.69	36.7	10.8	3.80	.43	.57	.71	35.4	10.4	4.25	.43	.58	.72	34.0	10.0	4.76	.44	.59	.73	.73	
	1300	615	38.7	11.3	3.42	.44	.59	.74	37.3	10.9	3.82	.44	.60	.75	36.0	10.6	4.26	.44	.60	.76	34.6	10.1	4.78	.45	.62	.78	.78	

### 10HPB30 - CH23-31 - CH33-36A/B/C-F - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)					
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input	
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
900	425	42.8	12.5	3.38	33.2	9.7	3.02	23.3	6.8	2.65	15.9	4.7	2.32	8.0	2.3	1.73	43.2	12.7	40.9	12.0	38.6	11.3	36.4	10.7	35.0	10.3
	470	43.2	12.7	3.29	33.6	9.8	2.94	23.7	6.9	2.56	16.3	4.8	2.23	8.4	2.5	1.65	42.7	12.2	40.4	11.6	38.1	11.0	35.9	10.4	34.5	10.0
	520	43.5	12.7	3.22	33.9	9.9	2.87	24.0	7.0	2.49	16.6	4.9	2.16	8.7	2.5	1.58	42.2	12.3	40.0	11.7	37.7	10.5	35.3	9.9	34.0	9.7
1000	470	43.6	9.8	2.51	26.3	7.7	2.26	18.6	5.5	2.00	13.0	3.8	1.76	6.7	2.0	1.29	42.7	12.2	40.4	11.6	38.1	11.0	35.9	10.4	34.5	10.0
	565	44.1	10.0	2.33	26.8	7.9	2.09	19.1	5.6	1.83	13.5	4.0	1.58	7.2	2.1	1.12	42.2	12.3	40.0	11.7	37.7	10.5	35.3	9.9	34.0	9.7
	615	44.6	10.3	2.38	27.3	8.1	2.14	20.1	5.7	1.87	14.0	4.1	1.62	7.5	2.15	1.16	41.7	12.4	39.9	11.8	37.9	10.6	35.7	9.8	34.1	9.8
1100	520	45.0	10.7	2.42	27.7																					

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB36 — CB29M-41 - CB28UH-036 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	900	425	32.8	9.6	3.39	.70	.83	.94	31.7	9.3	3.78	.71	.84	.95	30.5	8.9	4.23	.72	.86	.97	29.3	8.6	4.75	.73	.87	.98	
	1100	520	33.9	9.9	3.41	.74	.88	.99	32.8	9.6	3.81	.75	.89	.99	31.6	9.3	4.26	.76	.91	1.00	30.4	8.9	4.77	.78	.93	1.00	
	1300	615	34.9	10.2	3.43	.78	.93	1.00	33.7	9.9	3.83	.79	.94	1.00	32.5	9.5	4.28	.80	.96	1.00	31.2	9.1	4.80	.82	.97	1.00	
67°F (19°C)	900	425	35.0	10.3	3.43	.55	.67	.79	33.8	9.9	3.83	.56	.68	.81	32.6	9.6	4.28	.56	.69	.82	31.3	9.2	4.80	.57	.71	.83	
	1100	520	36.1	10.6	3.45	.58	.71	.85	34.8	10.2	3.85	.58	.72	.87	33.5	9.8	4.30	.59	.74	.88	32.2	9.4	4.82	.60	.75	.90	
	1300	615	36.8	10.8	3.47	.60	.76	.90	35.5	10.4	3.87	.61	.77	.92	34.2	10.0	4.32	.61	.78	.93	32.8	9.6	4.84	.63	.80	.95	
71°F (22°C)	900	425	37.3	10.9	3.48	.42	.54	.65	36.1	10.6	3.88	.42	.54	.66	34.8	10.2	4.33	.43	.55	.67	33.5	9.8	4.86	.43	.55	.68	
	1100	520	38.4	11.3	3.50	.43	.56	.69	37.1	10.9	3.90	.43	.57	.70	35.8	10.5	4.36	.43	.57	.71	34.3	10.1	4.88	.44	.58	.73	
	1300	615	39.2	11.5	3.51	.44	.58	.73	37.8	11.1	3.92	.44	.59	.75	36.4	10.7	4.37	.44	.60	.76	35.0	10.3	4.89	.45	.61	.78	

### 10HPB36 — CB29M-46 - CB28UH-042 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW Input		Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	34.7	10.2	3.31	.72	.85	.97	33.5	9.8	3.69	.73	.86	.98	32.2	9.4	4.13	.74	.88	.99	30.9	9.1	4.62	.75	.90	1.00	
	1200	565	35.8	10.5	3.34	.76	.90	1.00	34.5	10.1	3.72	.77	.92	1.00	33.2	9.7	4.15	.78	.94	1.00	31.9	9.3	4.65	.80	.95	1.00	
	1400	660	36.7	10.8	3.35	.80	.95	1.00	35.5	10.4	3.73	.81	.96	1.00	34.1	10.0	4.17	.83	.98	1.00	32.8	9.6	4.67	.84	.99	1.00	
67°F (19°C)	1000	470	37.0	10.8	3.36	.56	.69	.82	35.7	10.5	3.74	.57	.70	.83	34.3	10.1	4.18	.57	.71	.84	32.9	9.6	4.68	.58	.73	.86	
	1200	565	38.0	11.1	3.37	.58	.73	.87	36.6	10.7	3.76	.59	.75	.89	35.2	10.3	4.20	.60	.76	.90	33.8	9.9	4.70	.61	.77	.92	
	1400	660	38.7	11.3	3.39	.61	.77	.92	37.3	10.9	3.78	.62	.79	.94	35.9	10.5	4.22	.63	.80	.95	34.4	10.1	4.73	.64	.82	.97	
71°F (22°C)	1000	470	39.5	11.6	3.41	.43	.54	.67	38.1	11.2	3.79	.43	.55	.67	36.7	10.8	4.24	.43	.56	.69	35.2	10.3	4.74	.43	.57	.70	
	1200	565	40.5	11.9	3.42	.43	.57	.71	39.1	11.5	3.82	.43	.58	.72	37.6	11.0	4.27	.44	.59	.73	36.1	10.6	4.77	.44	.60	.75	
	1400	660	41.2	12.1	3.44	.44	.60	.75	39.8	11.7	3.84	.44	.61	.76	38.3	11.2	4.28	.45	.61	.78	36.7	10.8	4.79	.45	.63	.80	

### 10HPB36 - CB29M-41 - CB28UH-036 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)													
			Total Heating Capacity		Comp. Motor kW Input																													
	cfm	L/s	kBtuh	kW	kBtuh	kW																												
1000	470	40.9	12.0	2.86	31.9	9.3	2.69	22.5	6.6	2.51	15.5	4.5	2.31	7.7	2.3	1.65	1200	565	41.5	12.2	2.74	23.1	6.8	2.39	13.2	4.6	2.19	8.3	2.4	1.58				
	1200	565	41.5	12.2	2.74	32.5	9.5	2.57	23.1	6.8	2.39	16.1	4.7	2.19	8.3	2.4	1.58	1400	660	42.0	12.3	2.66	33.0	9.7	2.49	23.6	6.9	2.30	16.6	4.9	2.10	8.8	2.6	1.50

### 10HPB36 - CB29M-41 - CB28UH-036 - HEATING CAPACITY PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	*Outdoor Temperature °C	Compressor Motor kW Input	Total Output kBtuh	Total Output kW
65	18		43.0	12.6
60	16		40.8	12.0
55	13		38.6	11.3
50	10		36.3	10.6
47	8		35.0	10.3
45	7		33.6	9.8
40	4		30.1	8.8
35	2		26.6	7.8
30	-1</td			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB36 — CB30U-31/CB30M-31 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)	
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C
63°F (17°C)	900	425	33.6	9.8	3.22	.70	.82	.94	32.5	9.5	3.59	.71	.84	.95	31.3	9.2	4.01	.71	.85	.97	30.0	8.8	4.50	.73	.87	.98
	1100	520	34.9	10.2	3.24	.74	.88	.99	33.7	9.9	3.62	.75	.89	1.00	32.4	9.5	4.04	.76	.91	1.00	31.1	9.1	4.52	.78	.93	1.00
	1300	615	35.9	10.5	3.27	.78	.93	1.00	34.6	10.1	3.64	.79	.95	1.00	33.3	9.8	4.06	.81	.96	1.00	32.0	9.4	4.55	.82	.98	1.00
67°F (19°C)	900	425	36.0	10.6	3.26	.55	.67	.79	34.7	10.2	3.63	.56	.68	.80	33.4	9.8	4.06	.56	.69	.81	32.0	9.4	4.55	.57	.70	.83
	1100	520	37.1	10.9	3.28	.57	.71	.84	35.8	10.5	3.66	.58	.72	.86	34.4	10.1	4.09	.59	.74	.88	33.0	9.7	4.57	.60	.75	.89
	1300	615	38.0	11.1	3.30	.60	.75	.90	36.6	10.7	3.68	.60	.77	.91	35.2	10.3	4.11	.61	.78	.93	33.8	9.9	4.60	.62	.80	.95
71°F (22°C)	900	425	38.4	11.3	3.31	.42	.53	.65	37.1	10.9	3.69	.42	.54	.65	35.8	10.5	4.12	.42	.54	.66	34.3	10.1	4.62	.43	.55	.68
	1100	520	39.6	11.6	3.34	.43	.56	.69	38.2	11.2	3.71	.43	.57	.70	36.8	10.8	4.15	.43	.57	.71	35.3	10.3	4.64	.44	.58	.73
	1300	615	40.5	11.9	3.35	.44	.58	.73	39.0	11.4	3.74	.44	.59	.74	37.6	11.0	4.16	.44	.60	.76	36.0	10.6	4.66	.45	.61	.77

### 10HPB36 — CB30U-41/46/CB30M-41 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)	
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C
63°F (17°C)	1000	470	34.1	10.0	3.27	.72	.85	.97	32.9	9.6	3.65	.73	.86	.98	31.7	9.3	4.07	.74	.88	.99	30.4	8.9	4.56	.75	.89	1.00
	1200	565	35.2	10.3	3.29	.76	.90	1.00	34.0	10.0	3.67	.77	.92	1.00	32.7	9.6	4.10	.78	.94	1.00	31.3	9.2	4.59	.80	.96	1.00
	1400	660	36.1	10.6	3.31	.79	.95	1.00	34.9	10.2	3.69	.81	.97	1.00	33.6	9.8	4.12	.82	.98	1.00	32.3	9.5	4.62	.84	.99	1.00
67°F (19°C)	1000	470	36.4	10.7	3.31	.56	.69	.81	35.1	10.3	3.70	.57	.70	.83	33.8	9.9	4.13	.57	.71	.84	32.4	9.5	4.62	.58	.73	.86
	1200	565	37.4	11.0	3.34	.59	.73	.87	36.1	10.6	3.71	.59	.74	.89	34.7	10.2	4.15	.60	.76	.91	33.2	9.7	4.65	.61	.77	.92
	1400	660	38.2	11.2	3.35	.61	.77	.92	36.8	10.8	3.73	.62	.79	.94	35.4	10.4	4.17	.63	.80	.96	33.9	9.9	4.66	.64	.82	.97
71°F (22°C)	1000	470	38.9	11.4	3.36	.42	.54	.66	37.6	11.0	3.75	.43	.55	.67	36.1	10.6	4.19	.43	.56	.69	34.7	10.2	4.68	.43	.56	.70
	1200	565	39.9	11.7	3.39	.43	.57	.71	38.5	11.3	3.77	.43	.58	.72	37.1	10.9	4.21	.44	.58	.73	35.5	10.4	4.71	.44	.59	.75
	1400	660	40.7	11.9	3.40	.44	.59	.75	39.2	11.5	3.79	.44	.60	.76	37.7	11.0	4.23	.45	.62	.78	36.2	10.6	4.73	.45	.62	.80

### 10HPB36 - CB30U-31/CB30M-31 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)						
			Total Heating Capacity		Comp. Motor kW Input																						
	cfm	L/s	kBtuh	kW	kBtuh	kW																					
1000	470	40.5	11.9	2.63	31.6	9.3	2.61	32.4	6.6	2.58	15.4	4.5	2.48	7.7	2.3	1.80	1200	565	41.0	12.0	2.52	32.1	6.7	2.45	18.9	11.4	
	1200	565	41.0	12.0	2.52	32.1	9.4	2.51	22.9	6.7	2.48	15.9	4.7	2.37	8.2	2.4	1.69	1400	660	41.4	12.1	2.45	32.5	9.5	2.40	16.3	4.8
1000	470	41.4	12.1	2.63	32.5	9.5	2.61	23.3	6.8	2.40	16.3	4.8	2.30	8.6	2.5	1.62	1200	565	42.0	12.2	2.61	33.0	9.6	2.48	17.7	5.0	

### 10HPB36 - CB30U-31/CB30M-31 - HEATING PERFORMANCE at 1100 cfm (530 L/s) Indoor Coil Air Volume

Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kBtuh	kW	kBtuh	kW
65	18	2.68		41.3	12.1
60	16	2.67		39.1	11.5
55	13	2.65		37.0	10.8
50	10	2.64		34.9	10.2
47	8	2.63		33.6	9.8
45	7	2.61		32.3	9.5
40	4	2.54		28.9	8.5
35	2	2.47		25.6	7.5
30	-1	2.49		24.2	7.1
25	-4	2.52		22.9	6.7
20	-7	2.5			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB36 — C26-31 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	700	330	31.5	9.2	3.15	.66	.77	.87	30.4	8.9	3.52	.67	.78	.89	29.3	8.6	3.93	.68	.79	.90	28.1	8.2	4.41	.69	.80	.92	
	900	425	33.1	9.7	3.18	.70	.82	.94	32.0	9.4	3.55	.71	.84	.95	30.8	9.0	3.97	.72	.85	.97	29.6	8.7	4.45	.73	.86	.98	
	1100	520	34.3	10.1	3.21	.74	.88	.99	33.1	9.7	3.58	.75	.89	1.00	31.9	9.3	4.00	.76	.91	1.00	30.6	9.0	4.47	.78	.93	1.00	
67°F (19°C)	700	330	33.7	9.9	3.19	.53	.64	.73	32.6	9.6	3.56	.54	.64	.74	31.4	9.2	3.98	.54	.65	.75	30.2	8.9	4.46	.55	.66	.77	
	900	425	35.4	10.4	3.23	.55	.67	.79	34.2	10.0	3.60	.56	.68	.80	32.9	9.6	4.01	.56	.69	.82	31.6	9.3	4.50	.57	.70	.83	
	1100	520	36.5	10.7	3.25	.58	.71	.85	35.2	10.3	3.62	.58	.72	.86	33.9	9.9	4.04	.59	.74	.88	32.5	9.5	4.53	.60	.75	.90	
71°F (22°C)	700	330	36.1	10.6	3.24	.42	.51	.60	34.9	10.2	3.61	.42	.52	.61	33.7	9.9	4.03	.42	.52	.62	32.4	9.5	4.52	.42	.52	.63	
	900	425	37.8	11.1	3.27	.42	.53	.65	36.5	10.7	3.65	.42	.54	.65	35.2	10.3	4.07	.42	.55	.66	33.8	9.9	4.56	.43	.55	.68	
	1100	520	39.0	11.4	3.30	.43	.56	.69	37.6	11.0	3.67	.43	.56	.70	36.2	10.6	4.10	.43	.57	.71	34.7	10.2	4.59	.44	.58	.72	

### 10HPB36 — C33-36A/B/C - C26-41 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	900	425	33.8	9.9	3.28	.70	.83	.94	32.7	9.6	3.65	.71	.84	.95	31.4	9.2	4.09	.72	.85	.97	30.2	8.9	4.58	.73	.87	.98	
	1100	520	35.1	10.3	3.30	.74	.88	.99	33.9	9.9	3.68	.75	.90	1.00	32.6	9.6	4.11	.77	.91	1.00	31.3	9.2	4.60	.78	.93	1.00	
	1300	615	36.1	10.6	3.32	.78	.93	1.00	34.9	10.2	3.70	.79	.95	1.00	33.6	9.8	4.14	.81	.96	1.00	32.3	9.5	4.63	.83	.98	1.00	
67°F (19°C)	900	425	36.1	10.6	3.32	.55	.68	.79	34.9	10.2	3.70	.56	.68	.81	33.6	9.8	4.13	.56	.69	.82	32.2	9.4	4.63	.57	.70	.84	
	1100	520	37.3	10.9	3.34	.58	.72	.85	36.0	10.6	3.73	.58	.73	.86	34.6	10.1	4.17	.59	.74	.88	33.2	9.7	4.66	.60	.76	.90	
	1300	615	38.2	11.2	3.36	.60	.76	.90	36.8	10.8	3.74	.61	.77	.92	35.4	10.4	4.18	.62	.79	.94	33.9	9.9	4.68	.63	.81	.96	
71°F (22°C)	900	425	38.6	11.3	3.37	.42	.54	.65	37.3	10.9	3.75	.42	.54	.66	35.9	10.5	4.19	.43	.55	.67	34.5	10.1	4.70	.43	.55	.68	
	1100	520	39.8	11.7	3.39	.43	.56	.69	38.4	11.3	3.78	.43	.57	.70	37.0	10.8	4.22	.43	.58	.72	35.5	10.4	4.72	.44	.58	.73	
	1300	615	40.7	11.9	3.41	.44	.59	.73	39.2	11.5	3.80	.44	.60	.75	37.7	11.0	4.24	.44	.60	.76	36.2	10.6	4.74	.45	.62	.78	

### 10HPB36 - C26-31 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)					
			Total Heating Capacity		Comp. Motor kW Input																					
	cfm	L/s	kBtuh	kW	75°F 24°C	kBtuh	kW																			
800	380	40.7	11.9	2.94	31.6	9.3	2.84	22.1	6.5	2.73	15.0	4.4	2.56	7.4	2.2	1.90	1000	470	41.4	12.1	2.76	39.2	11.5	2.54	10.9	2.38
1000	470	41.4	12.1	2.76	32.3	9.5	2.66	22.8	6.7	2.54	15.7	4.6	2.38	8.1	2.4	1.71	1200	565	42.0	12.3	2.65	16.3	4.8	2.27	2.5	1.61

### 10HPB36 - C26-31 - HEATING PERFORMANCE at 900 cfm (425 L/s) Indoor Coil Air Volume

Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kBtuh	kW	kBtuh	kW
65	18	2.76		38.4	11.3
60	16	2.74		36.5	10.7
55	13	2.72		34.6	10.1
50	10	2.70		32.7	9.6
47	8	2.69		31.6	9.3
45	7	2.66		30.4	8.9
40	4	2.58		27.3	8.0
35	2	2.51		24.3	7.1
30	-1	2.53		23.1	6.8
25	-4	2.55		22.0	6.4
20	-7	2.57		20.9	6.1
17	-8	2.58		20.2	5.9

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB36 — CR26-30 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)										
		cfm	L/s	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	700	330	31.4	9.2	3.23	.67	.77	.88	30.3	8.9	3.60	.67	.78	.89	29.2	8.6	4.04	.68	.79	.90	28.1	8.2	4.53	.69	.81	.92
	900	425	33.0	9.7	3.26	.70	.83	.94	31.8	9.3	3.64	.71	.84	.95	30.7	9.0	4.07	.72	.85	.97	29.5	8.6	4.57	.73	.87	.98
	1100	520	34.1	10.0	3.29	.74	.88	.99	32.9	9.6	3.66	.75	.90	.99	31.7	9.3	4.10	.76	.91	1.00	30.5	8.9	4.60	.78	.93	1.00
67°F (19°C)	700	330	33.5	9.8	3.27	.54	.64	.74	32.5	9.5	3.65	.54	.64	.75	31.3	9.2	4.08	.54	.65	.76	30.1	8.8	4.58	.55	.66	.77
	900	425	35.1	10.3	3.30	.56	.68	.79	34.0	10.0	3.68	.56	.68	.81	32.7	9.6	4.12	.57	.69	.82	31.4	9.2	4.62	.57	.70	.83
	1100	520	36.2	10.6	3.32	.57	.72	.85	34.9	10.2	3.70	.58	.73	.86	33.6	9.8	4.14	.59	.74	.88	32.3	9.5	4.63	.60	.75	.90
71°F (22°C)	700	330	35.9	10.5	3.32	.42	.52	.61	34.7	10.2	3.70	.42	.52	.62	33.5	9.8	4.13	.42	.52	.62	32.3	9.5	4.63	.42	.53	.63
	900	425	37.5	11.0	3.35	.42	.54	.65	36.2	10.6	3.73	.43	.54	.66	35.0	10.3	4.17	.42	.55	.67	33.6	9.8	4.67	.43	.55	.68
	1100	520	38.6	11.3	3.37	.43	.56	.69	37.3	10.9	3.75	.43	.57	.70	35.9	10.5	4.19	.43	.57	.71	34.5	10.1	4.70	.43	.58	.73

### 10HPB36 — CH23-31 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)										
		cfm	L/s	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1000	470	33.6	9.8	3.36	.72	.86	.97	32.5	9.5	3.76	.73	.87	.98	31.3	9.2	4.20	.74	.89	.99	30.1	8.8	4.71	.76	.90	1.00
	1200	565	34.6	10.1	3.38	.76	.91	1.00	33.5	9.8	3.78	.77	.92	1.00	32.3	9.5	4.22	.79	.94	1.00	31.0	9.1	4.74	.80	.95	1.00
	1400	660	35.5	10.4	3.40	.80	.95	1.00	34.3	10.1	3.79	.82	.97	1.00	33.1	9.7	4.24	.83	.98	1.00	31.9	9.3	4.76	.85	.99	1.00
67°F (19°C)	1000	470	35.8	10.5	3.40	.57	.70	.83	34.5	10.1	3.79	.57	.71	.84	33.3	9.8	4.24	.58	.72	.85	31.9	9.3	4.76	.58	.73	.87
	1200	565	36.6	10.7	3.42	.59	.74	.88	35.3	10.3	3.81	.60	.75	.89	34.1	10.0	4.26	.60	.77	.91	32.7	9.6	4.77	.61	.78	.93
	1400	660	37.3	10.9	3.43	.61	.78	.93	36.0	10.6	3.82	.62	.79	.94	34.7	10.2	4.27	.63	.81	.95	33.3	9.8	4.79	.64	.83	.97
71°F (22°C)	1000	470	38.1	11.2	3.45	.43	.55	.67	36.8	10.8	3.84	.43	.55	.68	35.5	10.4	4.29	.43	.56	.69	34.1	10.0	4.81	.43	.57	.71
	1200	565	39.0	11.4	3.46	.43	.57	.72	37.6	11.0	3.86	.44	.58	.73	36.3	10.6	4.31	.44	.59	.74	34.9	10.2	4.83	.44	.60	.76
	1400	660	39.6	11.6	3.48	.44	.60	.76	38.3	11.2	3.87	.45	.61	.77	36.9	10.8	4.33	.45	.62	.79	35.4	10.4	4.85	.45	.63	.81

### 10HPB36 - CR26-30 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)				45°F (7°C)											
	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. 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					
700	330	38.9	11.4	3.23	30.4	8.9	3.00	21.6	6.3	2.74	15.0	4.4	2.49	7.2	2.1	1.89
900	425	39.8	11.7	2.98	31.3	9.2	2.75	22.5	6.6	2.49	15.9	4.7	2.24	8.1	2.4	1.64
1100	520	40.5	11.9	2.83	32.0	9.4	2.60	23.2	6.8	2.34	16.6	4.9	2.09	8.8	2.6	1.49

### 10HPB36 - CH23-31 - HEATING CAPACITY at 900 cfm (425 L/s) Indoor Coil Air Volume

*Outdoor Temperature	Compressor Motor kW Input	Total Output	
°F	°C	kBtuh	kW
65	18	2.98	39.8
60	16	2.93	37.8
55	13	2.88	35.8
50	10	2.82	33.8
47	8	2.79	32.6
45	7	2.75	31.3
40	4	2.64	28.1
35	2	2.53	25.0
30	-1	2.51	23.8
25	-4	2.49	22.5
20	-7	2.48	21.3
17	-8	2.47	20.6
15	-9	2.45	19.8
10	-12	2.40	17.8
5	-15	2.24	15.9
0	-18	2.09	13.9
-5	-21	1.94	12.0
-10	-23	1.79	10.1
-15	-26	1.64	8.1
-20	-29	1.48	6.2

*Outdoor Temperature	Compressor Motor kW Input	Total Output	
°F	°C	kBtuh	kW
65	18	2.94	40.8
60	16	2.88	38.8
55	13	2.82	36.7
50	10	2.76	34.6
47	8	2.73	33.4
45	7	2.68	32.1
40	4	2.57	28.8
35	2	2.45	25.5
30	-1	2.43	24.3
25	-4	2.42	23.0
20	-7	2.40	21.8
17	-8	2.39	21.0
15	-9	2.36	20.2
10	-12	2.31	18.1
5	-15	2.16	16.1
0	-18	2.01	14.2
-5	-21	1.87	12.2
-10	-23	1.72	10.2
-15	-26	1.58	8.3
-20	-29	1.43	6.3

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB36 — CH33-36A/B/C-F - CH23-41 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)								
			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)					
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.3	10.1	3.33	.72	.86	.97	33.1	9.7	3.71	.73	.87	.99	31.9	9.3	4.16	.74	.89	.99	30.6	9.0	4.66	.76	.91	.99	1.00		
	1200	565	35.4	10.4	3.35	.76	.91	1.00	34.2	10.0	3.74	.78	.93	1.00	32.9	9.6	4.18	.79	.94	1.00	31.7	9.3	4.68	.81	.96	.99	1.00		
	1400	660	36.4	10.7	3.37	.81	.96	1.00	35.2	10.3	3.76	.82	.97	1.00	33.9	9.9	4.20	.83	.99	1.00	32.6	9.6	4.70	.85	1.00	.98	1.00		
67°F (19°C)	1000	470	36.5	10.7	3.38	.57	.70	.82	35.3	10.3	3.76	.57	.71	.84	33.9	9.9	4.20	.58	.72	.85	32.6	9.6	4.71	.59	.73	.87	.87		
	1200	565	37.5	11.0	3.39	.59	.74	.88	36.2	10.6	3.78	.60	.75	.89	34.8	10.2	4.22	.61	.77	.91	33.4	9.8	4.72	.61	.78	.93	.93		
	1400	660	38.3	11.2	3.41	.62	.78	.93	36.9	10.8	3.80	.63	.80	.95	35.5	10.4	4.24	.63	.81	.96	34.1	10.0	4.75	.65	.83	.98	.98		
71°F (22°C)	1000	470	39.0	11.4	3.42	.43	.55	.67	37.7	11.0	3.82	.43	.55	.68	36.3	10.6	4.26	.43	.56	.69	34.8	10.2	4.77	.43	.57	.71	.71		
	1200	565	40.0	11.7	3.44	.43	.58	.72	38.6	11.3	3.83	.44	.58	.73	37.1	10.9	4.28	.44	.59	.74	35.6	10.4	4.79	.44	.60	.76	.76		
	1400	660	40.7	11.9	3.46	.44	.60	.76	39.3	11.5	3.85	.45	.61	.77	37.8	11.1	4.30	.45	.62	.79	36.2	10.6	4.81	.46	.64	.81	.81		

### 10HPB42 — CB29M-46 - CB28UH-042 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)								
			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Sensible To Total Ratio (S/T)					
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	cfm	kBtuh	kW	Comp. Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1150	545	39.4	11.5	3.36	.72	.86	.97	38.1	11.2	3.75	.73	.87	.98	36.6	10.7	4.19	.74	.88	.99	35.0	10.3	4.69	.76	.90	.99	1.00		
	1350	635	40.5	11.9	3.39	.75	.90	1.00	39.1	11.5	3.77	.77	.92	1.00	37.6	11.0	4.21	.78	.93	1.00	36.0	10.6	4.70	.80	.95	.99	1.00		
	1550	730	41.4	12.1	3.40	.79	.94	1.00	40.0	11.7	3.79	.80	.96	1.00	38.5	11.3	4.22	.82	.97	1.00	36.9	10.8	4.73	.84	.99	1.00			
67°F (19°C)	1150	545	42.0	12.3	3.41	.56	.69	.82	40.5	11.9	3.79	.57	.70	.83	38.9	11.4	4.23	.58	.72	.85	37.2	10.9	4.74	.59	.73	.87	.87		
	1350	635	42.9	12.6	3.43	.59	.73	.87	41.4	12.1	3.82	.59	.74	.88	39.7	11.6	4.26	.60	.76	.90	38.0	11.1	4.76	.61	.77	.92	.92		
	1550	730	43.6	12.8	3.44	.61	.77	.91	42.1	12.3	3.83	.61	.78	.93	40.4	11.8	4.27	.62	.80	.95	38.6	11.3	4.77	.64	.82	.96	.96		
71°F (22°C)	1150	545	44.7	13.1	3.46	.43	.55	.67	43.2	12.7	3.86	.43	.55	.68	41.5	12.2	4.29	.43	.56	.69	39.7	11.6	4.80	.43	.57	.71	.71		
	1350	635	45.7	13.4	3.48	.43	.57	.70	44.0	12.9	3.87	.43	.58	.72	42.3	12.4	4.32	.44	.59	.73	40.5	11.9	4.82	.44	.60	.75	.75		
	1550	730	46.4	13.6	3.50	.44	.59	.74	44.7	13.1	3.89	.44	.60	.76	42.9	12.6	4.33	.45	.61	.77	41.0	12.0	4.83	.45	.62	.79	.79		

### 10HPB36 - CH33-36A/B/C-F - CH23-41 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)							
			Total Heating Capacity			Comp. 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	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	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input		
1200	565	48.5	14.2	3.41		37.5		3.11		25.9		7.6		2.78		19.0		5.6		2.50		9.5		2.8		1.86		
1350	635	48.9	14.3	3.32		37.9		3.01		26.3		7.7		2.68		19.4		5.7		2.41		9.9		2.9		1.76		
1500	710	49.3	14.4	3.24		38.3		2.94		26.7		7.8		2.61		19.8		5.8		2.33		10.3		3.0		1.69		

### 10HPB36 - CH33-36A/B/C-F - CH23-41 - HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output
65	18	2.72	41.0
60	16	2.68	39.0
55	13	2.64	36.9
50	10	2.60	34.8
47	8	2.57	33.6
45	7	2.53	32.3
40	4	2.44	29.0
35	2	2.34	25.7
30	-1	2.34	24.5
25	-4	2.33	23.2
20	-7	2.33	22.0</td

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB42 — CB29M-51 - CB28UH-048 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	39.6	11.6	3.38	.73	.87	.98	38.2	11.2	3.77	.74	.88	.99	36.8	10.8	4.21	.75	.89	1.00	35.2	10.3	4.70	.77	.91	1.00		
	1400	660	40.7	11.9	3.41	.76	.91	1.00	39.3	11.5	3.79	.78	.92	1.00	37.7	11.0	4.22	.79	.94	1.00	36.1	10.6	4.73	.81	.96	1.00		
	1600	755	41.6	12.2	3.42	.80	.95	1.00	40.1	11.8	3.80	.81	.97	1.00	38.6	11.3	4.25	.83	.98	1.00	37.0	10.8	4.75	.85	.99	1.00		
67°F (19°C)	1200	565	42.2	12.4	3.43	.57	.70	.83	40.7	11.9	3.82	.57	.71	.85	39.1	11.5	4.26	.58	.72	.86	37.3	10.9	4.76	.59	.74	.88		
	1400	660	43.1	12.6	3.45	.59	.74	.88	41.5	12.2	3.84	.60	.75	.89	39.9	11.7	4.27	.60	.76	.91	38.1	11.2	4.77	.61	.78	.93		
	1600	755	43.8	12.8	3.46	.61	.77	.92	42.2	12.4	3.85	.62	.79	.94	40.5	11.9	4.29	.63	.80	.96	38.7	11.3	4.80	.64	.82	.97		
71°F (22°C)	1200	565	45.0	13.2	3.49	.43	.55	.68	43.4	12.7	3.88	.43	.56	.69	41.7	12.2	4.32	.43	.57	.70	39.8	11.7	4.83	.43	.58	.72		
	1400	660	45.9	13.5	3.50	.43	.57	.71	44.2	13.0	3.90	.44	.58	.73	42.4	12.4	4.34	.44	.59	.74	40.6	11.9	4.84	.44	.60	.76		
	1600	755	46.6	13.7	3.52	.44	.60	.75	44.9	13.2	3.91	.45	.61	.77	43.1	12.6	4.35	.45	.62	.78	41.1	12.0	4.86	.45	.63	.80		

### 10HPB42 — CB30U-41/46/CB30M-46 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17°C)	1200	565	39.5	11.6	3.92	.73	.86	.98	38.1	11.2	4.36	.74	.88	.99	36.6	10.7	4.87	.75	.90	1.00	35.0	10.3	5.44	.76	.92	1.00		
	1400	660	40.5	11.9	3.94	.76	.91	1.00	39.1	11.5	4.38	.77	.93	1.00	37.6	11.0	4.89	.79	.94	1.00	36.0	10.6	5.47	.81	.96	1.00		
	1600	755	41.4	12.1	3.96	.80	.95	1.00	40.0	11.7	4.40	.81	.97	1.00	38.4	11.3	4.91	.83	.98	1.00	36.8	10.8	5.49	.85	.99	1.00		
67°F (19°C)	1200	565	42.0	12.3	3.97	.57	.70	.83	40.5	11.9	4.42	.58	.71	.85	38.9	11.4	4.93	.58	.72	.86	37.2	10.9	5.51	.59	.74	.88		
	1400	660	42.9	12.6	3.99	.59	.74	.88	41.3	12.1	4.44	.60	.75	.90	39.7	11.6	4.95	.60	.77	.92	37.9	11.1	5.53	.61	.78	.93		
	1600	755	43.6	12.8	4.01	.61	.78	.92	42.0	12.3	4.45	.62	.79	.94	40.3	11.8	4.97	.63	.81	.96	38.5	11.3	5.55	.64	.83	.98		
71°F (22°C)	1200	565	44.8	13.1	4.04	.43	.55	.68	43.2	12.7	4.49	.43	.56	.69	41.5	12.2	5.00	.43	.57	.70	39.7	11.6	5.59	.43	.57	.72		
	1400	660	45.7	13.4	4.05	.43	.57	.71	44.0	12.9	4.51	.44	.58	.73	42.3	12.4	5.02	.44	.59	.74	40.4	11.8	5.60	.44	.60	.76		
	1600	755	46.4	13.6	4.07	.44	.60	.75	44.7	13.1	4.53	.45	.61	.77	42.9	12.6	5.04	.45	.62	.78	40.9	12.0	5.62	.45	.63	.80		

### 10HPB42 - CB29M-51 - CB28UH-048 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)										
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input						
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW					
1100	520	46.9	13.7	3.13	35.7	10.5	2.85	23.7	6.9	2.54	17.1	5.0	2.30	7.7	2.3	1.71	1275	600	49.0	14.4	3.01	37.8	11.1	2.58	23.2	7.9	2.44	16.0	5.8	2.17	1.59
	600	49.0	14.4	3.01	37.8	11.1	2.72	25.8	7.6	2.42	19.2	5.6	2.17	9.8	2.9	2.17	1450	685	48.0	14.1	2.91	36.8	10.8	2.63	25.0	7.3	2.43	19.6	5.7	2.08	1.49
	1275	600	49.0	14.4	3.01	37.8	11.1	2.72	24.8	7.3	2.32	18.2	5.3	2.08	8.8	2.6	2.08	1450	685	48.0	14.1	2.91	36.8	10.8	2.63	25.0	7.3	2.43	19.6	5.7	2.08
20	-7				3.02			38.4			11.3						20	-7				2.41			25.3			7.4			
	4				2.88			33.0			9.7						17	-8				2.40			25.0			7.3			
	2				2.73			27.7			8.1						15	-9				2.38			24.0			7.0			
30	-1				2.73			27.1			7.9						10	-12				2.32			21.5			6.3			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB42 — CB30U-51/CB30M-51 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	1200	565	39.9	11.7	3.92	.72	.86	.98	38.5	11.3	4.37	.73	.88	.99	37.0	10.8	4.87	.75	.89	1.00	35.3	10.3	5.45	.76	.92	1.00
	1400	660	41.1	12.0	3.95	.76	.91	1.00	39.5	11.6	4.40	.77	.93	1.00	38.0	11.1	4.90	.79	.94	1.00	36.2	10.6	5.48	.81	.97	1.00
	1600	755	42.0	12.3	3.97	.80	.95	1.00	40.4	11.8	4.42	.81	.97	1.00	38.9	11.4	4.93	.83	.98	1.00	37.2	10.9	5.50	.85	1.00	1.00
67°F (19°C)	1200	565	42.6	12.5	3.99	.57	.70	.83	41.0	12.0	4.43	.57	.71	.84	39.4	11.5	4.94	.58	.72	.86	37.6	11.0	5.52	.59	.74	.88
	1400	660	43.6	12.8	4.01	.59	.74	.88	42.0	12.3	4.46	.60	.75	.89	40.2	11.8	4.96	.60	.76	.91	38.4	11.3	5.54	.62	.78	.94
	1600	755	44.4	13.0	4.03	.61	.77	.92	42.7	12.5	4.48	.62	.79	.94	40.9	12.0	4.98	.63	.80	.96	39.0	11.4	5.56	.64	.83	.98
71°F (22°C)	1200	565	45.5	13.3	4.06	.43	.55	.67	43.8	12.8	4.51	.43	.56	.68	42.1	12.3	5.02	.43	.56	.70	40.1	11.8	5.60	.43	.57	.71
	1400	660	46.5	13.6	4.08	.43	.57	.71	44.7	13.1	4.54	.44	.58	.72	42.9	12.6	5.04	.44	.59	.74	40.9	12.0	5.62	.44	.60	.76
	1600	755	47.3	13.9	4.10	.44	.59	.75	45.5	13.3	4.55	.44	.60	.76	43.5	12.7	5.06	.45	.62	.78	41.5	12.2	5.64	.45	.63	.80

### 10HPB42 — C33-36B/C - C26-41 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	900	425	36.8	10.8	3.80	.68	.80	.91	35.5	10.4	4.23	.69	.81	.92	34.2	10.0	4.73	.70	.82	.93	32.7	9.6	5.30	.71	.84	.95
	1100	520	38.2	11.2	3.83	.72	.85	.96	36.9	10.8	4.27	.72	.86	.97	35.5	10.4	4.76	.74	.88	.99	34.0	10.0	5.34	.75	.89	1.00
	1300	615	39.3	11.5	3.86	.75	.90	1.00	38.0	11.1	4.30	.76	.91	1.00	36.5	10.7	4.80	.78	.93	1.00	35.0	10.3	5.36	.79	.95	1.00
67°F (19°C)	900	425	39.3	11.5	3.85	.54	.65	.76	37.9	11.1	4.29	.55	.66	.77	36.5	10.7	4.79	.55	.67	.78	35.0	10.3	5.36	.56	.68	.80
	1100	520	40.7	11.9	3.88	.56	.69	.81	39.2	11.5	4.32	.57	.70	.82	37.7	11.0	4.82	.57	.71	.84	36.1	10.6	5.40	.58	.72	.86
	1300	615	41.7	12.2	3.90	.58	.73	.86	40.2	11.8	4.35	.59	.74	.88	38.6	11.3	4.85	.60	.75	.90	36.9	10.8	5.42	.61	.77	.92
71°F (22°C)	900	425	42.0	12.3	3.91	.42	.52	.62	40.5	11.9	4.35	.42	.53	.63	39.0	11.4	4.85	.42	.53	.64	37.4	11.0	5.42	.42	.54	.65
	1100	520	43.4	12.7	3.94	.42	.54	.66	41.8	12.3	4.39	.43	.55	.67	40.2	11.8	4.89	.43	.56	.69	38.5	11.3	5.47	.43	.57	.70
	1300	615	44.4	13.0	3.97	.43	.57	.70	42.8	12.5	4.41	.43	.57	.71	41.1	12.0	4.92	.44	.58	.73	39.3	11.5	5.49	.44	.59	.75

### 10HPB42 - CB30U-51/CB30M-51 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)					
			Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity				
	cfm	L/s	kBtuh	kW		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh		kBtuh	kW							
800	380	48.9	14.3	3.47		38.0	11.1	3.15		26.4	7.7	2.81		19.3	5.7	2.53		10.2	3.0	1.88						
1000	470	48.4	14.2	3.35		37.5	11.0	3.03		25.9	7.6	2.69		18.8	5.5	2.41		9.7	2.8	1.76						
1200	565	49.9	14.6	3.26		39.0	11.4	2.95		27.4	8.0	2.61		20.3	5.9	2.32		11.2	3.3	1.68						

### 10HPB42 - CB30U-51/CB30M-51 - HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		2.96	
60	16		2.92	
55	13		2.88	
50	10		2.83	
47	8		2.81	
45	7		2.76	
40	4		2.64	
35	2		2.52	
30	-1		2.53	
25	-4		2.54	
20	-7		2.54	
17	-8		2.55	
15	-9		2.53	
10	-12		2.49	
5	-15		2.33	
0	-18		2.17	
-5	-21		2.01	
-10	-23		1.85	
-15	-26		1.69	
-20	-29		1.53	

\*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW

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## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB42 — C33-42B - C26-46 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	38.4	11.3	3.93	.70	.82	.93	37.1	10.9	4.37	.70	.83	.95	35.6	10.4	4.89	.72	.85	.96	34.1	10.0	5.47	.73	.86	.98		
	1200	565	39.7	11.6	3.96	.73	.87	.98	38.3	11.2	4.41	.74	.88	.99	36.9	10.8	4.91	.75	.90	1.00	35.2	10.3	5.50	.77	.92	1.00		
	1400	660	40.8	12.0	3.98	.77	.91	1.00	39.4	11.5	4.43	.78	.93	1.00	37.8	11.1	4.95	.79	.95	1.00	36.2	10.6	5.53	.81	.97	1.00		
67°F (19°C)	1000	470	41.0	12.0	3.98	.55	.67	.79	39.6	11.6	4.43	.56	.68	.80	38.0	11.1	4.95	.56	.69	.81	36.3	10.6	5.53	.57	.70	.83		
	1200	565	42.2	12.4	4.01	.57	.71	.83	40.7	11.9	4.47	.58	.71	.85	39.1	11.5	4.99	.58	.73	.87	37.4	11.0	5.56	.60	.74	.89		
	1400	660	43.2	12.7	4.04	.59	.74	.88	41.6	12.2	4.49	.60	.76	.90	39.9	11.7	5.00	.61	.77	.92	38.1	11.2	5.59	.62	.79	.94		
71°F (22°C)	1000	470	43.8	12.8	4.05	.42	.53	.64	42.3	12.4	4.50	.42	.54	.65	40.6	11.9	5.02	.42	.54	.66	38.8	11.4	5.61	.43	.55	.68		
	1200	565	45.0	13.2	4.08	.43	.55	.68	43.4	12.7	4.54	.43	.56	.69	41.7	12.2	5.05	.43	.57	.71	39.9	11.7	5.64	.43	.58	.72		
	1400	660	45.9	13.5	4.10	.44	.58	.72	44.3	13.0	4.57	.44	.58	.73	42.5	12.5	5.08	.44	.60	.75	40.6	11.9	5.66	.45	.61	.77		

### 10HPB42 — C26-51/65 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	40.3	11.8	4.00	.73	.86	.98	38.8	11.4	4.45	.74	.88	.99	37.3	10.9	4.96	.75	.90	1.00	35.6	10.4	5.55	.77	.92	1.00		
	1400	660	41.4	12.1	4.02	.76	.91	1.00	39.9	11.7	4.48	.78	.93	1.00	38.3	11.2	4.99	.79	.95	1.00	36.6	10.7	5.58	.81	.97	1.00		
	1600	755	42.3	12.4	4.05	.80	.96	1.00	40.8	12.0	4.50	.81	.97	1.00	39.2	11.5	5.02	.83	.99	1.00	37.6	11.0	5.60	.85	1.00	1.00		
67°F (19°C)	1200	565	42.9	12.6	4.06	.57	.70	.83	41.3	12.1	4.51	.58	.71	.85	39.6	11.6	5.03	.58	.73	.86	37.8	11.1	5.62	.59	.74	.88		
	1400	660	43.9	12.9	4.08	.59	.74	.88	42.2	12.4	4.54	.60	.75	.90	40.5	11.9	5.06	.61	.77	.92	38.6	11.3	5.64	.62	.79	.94		
	1600	755	44.6	13.1	4.10	.61	.78	.93	42.9	12.6	4.56	.62	.79	.95	41.2	12.1	5.07	.63	.81	.96	39.3	11.5	5.66	.65	.83	.98		
71°F (22°C)	1200	565	45.7	13.4	4.13	.43	.55	.68	44.1	12.9	4.58	.43	.56	.69	42.3	12.4	5.10	.43	.57	.70	40.4	11.8	5.70	.43	.58	.72		
	1400	660	46.7	13.7	4.15	.43	.58	.72	45.0	13.2	4.61	.44	.58	.73	43.1	12.6	5.14	.44	.59	.75	41.2	12.1	5.72	.44	.60	.76		
	1600	755	47.5	13.9	4.17	.44	.60	.76	45.7	13.4	4.63	.45	.61	.77	43.8	12.8	5.15	.45	.62	.79	41.7	12.2	5.74	.46	.64	.81		

### 10HPB42 - C33-42B - C26-46 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)										
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input						
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW					
1200 cfm (565 L/s) Indoor Coil Air Volume	1200	565	48.0	14.1	3.25	37.4	11.0	3.08	26.2	7.7	2.89	19.4	5.7	2.71	9.8	2.9	2.00	1400	660	48.1	14.1	3.07	37.5	11.0	2.91	19.5	5.7	2.53	9.9	2.9	1.82
	1400	660	48.1	14.1	3.07	37.5	11.0	2.90	26.3	7.7	2.71	19.5	5.7	2.53	9.9	2.9	2.01	1600	755	49.2	14.4	2.96	38.6	11.3	2.79	20.6	6.0	2.41	11.0	3.2	1.71
	1600	755	49.2	14.4	2.96	38.6	11.3	2.79	27.4	8.0	2.60	20.6	6.0	2.41	11.0	3.2	2.02	1200	565	48.0	14.1	3.25	37.4	11.0	3.08	24.2	7.7	2.89	19.4	5.7	2.71

### 10HPB42 - C33-42B - C26-46 - HEATING PERFORMANCE

at 1200 cfm (565 L/s) Indoor Coil Air Volume

*Outdoor Temperature	Compressor Motor kW Input	Total Output
65	18	3.39
60	16	3.33
55	13	3.27
50	10	3.21
47	8	3.17
45	7	3.11
40	4	2.97
35	2	2.82
30	-1	2.82
25	-4	2.82
20	-7	2.81
17	-8	2.81
15	-9	2.7

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB42 — CR26-36W - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	1000	470	37.1	10.9	3.86	.70	.82	.93	35.8	10.5	4.30	.70	.83	.94	34.5	10.1	4.81	.72	.85	.96	33.0	9.7	5.39	.73	.86	.98
	1200	565	38.3	11.2	3.89	.73	.87	.98	37.0	10.8	4.33	.74	.88	.99	35.6	10.4	4.84	.75	.90	1.00	34.0	10.0	5.42	.77	.92	1.00
	1400	660	39.2	11.5	3.91	.76	.91	1.00	37.9	11.1	4.36	.78	.93	1.00	36.5	10.7	4.86	.79	.94	1.00	34.9	10.2	5.44	.81	.96	1.00
67°F (19°C)	1000	470	39.6	11.6	3.92	.55	.67	.79	38.2	11.2	4.36	.56	.68	.80	36.7	10.8	4.86	.56	.69	.81	35.2	10.3	5.44	.57	.70	.83
	1200	565	40.7	11.9	3.94	.57	.70	.83	39.2	11.5	4.39	.58	.71	.85	37.7	11.0	4.89	.58	.73	.87	36.1	10.6	5.48	.59	.74	.88
	1400	660	41.5	12.2	3.96	.59	.74	.88	40.0	11.7	4.41	.60	.75	.90	38.5	11.3	4.91	.61	.77	.91	36.8	10.8	5.50	.62	.79	.93
71°F (22°C)	1000	470	42.2	12.4	3.97	.42	.53	.64	40.8	12.0	4.43	.42	.54	.65	39.2	11.5	4.93	.43	.54	.66	37.6	11.0	5.51	.43	.55	.67
	1200	565	43.3	12.7	4.00	.43	.55	.68	41.8	12.3	4.45	.43	.56	.69	40.2	11.8	4.96	.43	.57	.70	38.5	11.3	5.54	.43	.58	.72
	1400	660	44.2	13.0	4.02	.43	.57	.71	42.6	12.5	4.47	.44	.58	.73	40.9	12.0	4.98	.44	.59	.75	39.1	11.5	5.57	.45	.60	.76

### 10HPB42 — CR26-48 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	1150	545	37.7	11.0	3.95	.71	.84	.96	36.3	10.6	4.39	.72	.86	.97	34.9	10.2	4.91	.73	.87	.99	33.4	9.8	5.50	.74	.89	1.00
	1350	635	38.7	11.3	3.97	.74	.89	.99	37.3	10.9	4.42	.75	.90	1.00	35.9	10.5	4.93	.77	.92	1.00	34.3	10.1	5.51	.78	.94	1.00
	1550	730	39.5	11.6	3.99	.77	.93	1.00	38.1	11.2	4.44	.79	.94	1.00	36.7	10.8	4.95	.80	.96	1.00	35.1	10.3	5.54	.82	.98	1.00
67°F (19°C)	1150	545	40.2	11.8	4.00	.56	.69	.81	38.8	11.4	4.45	.56	.69	.82	37.3	10.9	4.97	.57	.71	.84	35.6	10.4	5.56	.58	.72	.86
	1350	635	41.1	12.0	4.02	.58	.72	.86	39.7	11.6	4.48	.58	.73	.87	38.1	11.2	5.00	.59	.74	.89	36.4	10.7	5.58	.60	.76	.91
	1550	730	41.9	12.3	4.04	.60	.75	.90	40.3	11.8	4.50	.61	.77	.91	38.7	11.3	5.01	.61	.78	.93	37.0	10.8	5.60	.62	.80	.95
71°F (22°C)	1150	545	42.9	12.6	4.07	.42	.54	.66	41.4	12.1	4.52	.43	.55	.67	39.8	11.7	5.04	.43	.55	.68	38.0	11.1	5.63	.43	.56	.69
	1350	635	43.9	12.9	4.09	.43	.56	.69	42.3	12.4	4.55	.43	.57	.70	40.6	11.9	5.07	.43	.58	.72	38.8	11.4	5.65	.44	.59	.74
	1550	730	44.6	13.1	4.11	.43	.58	.73	43.0	12.6	4.57	.44	.59	.74	41.3	12.1	5.08	.44	.60	.76	39.4	11.5	5.67	.45	.61	.78

### 10HPB42 - CR26-36W - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)								
			Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity							
	cfm	L/s	kBtuh	kW		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh		kBtuh	kBtuh										
1200	565	48.5	14.2	3.81		37.0	10.8	3.47		24.8	7.3	3.10		17.8	5.2	2.79		8.5	2.5	1.88		380	14.3	3.57		37.9	11.1	3.21	
1400	660	49.8	14.6	3.53		38.3	11.2	3.18		26.1	7.6	2.81		19.1	5.6	2.50		9.8	2.9	1.76		470	14.4	3.45		38.0	11.1	3.09	
1600	755	49.9	14.6	3.35		38.4	11.3	3.01		26.2	7.7	2.64		19.2	5.6	2.33		9.9	2.9	1.66		490	14.4	3.36		39.0	11.4	3.00	

### 10HPB42 - CR26-36W - HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		49.0	14.4
60	16		46.5	13.6
55	13		44.0	12.9
50	10		41.5	12.2
47	8		40.0	11.7
45	7		38.0	11.1
40	4		32.9	9.6
35	2		27.7	8.1
30	-1		27.0	7.9
25	-4		26.2	7.7
20	-7		25.5	7.5
17	-8		25.0	7.3
15	-9		24.0	7.0
10	-12		21.5	6.3
5	-15		19.2	5.6
0	-18		16.8	4.9
-5	-21		14.5	4.2
-10	-23		12.2	3.6
-15	-26	</		

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB42 — CH33-36B/C-F - CH23-41 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	38.5	11.3	3.92	.73	.87	.98	37.2	10.9	4.37	.75	.89	.99	35.7	10.5	4.88	.76	.90	1.00	34.2	10.0	5.47	.77	.92	1.00		
	1400	660	39.5	11.6	3.95	.77	.92	1.00	38.1	11.2	4.40	.79	.93	1.00	36.7	10.8	4.91	.80	.95	1.00	35.2	10.3	5.49	.82	.97	1.00		
	1600	755	40.3	11.8	3.97	.81	.96	1.00	39.0	11.4	4.42	.82	.97	1.00	37.6	11.0	4.92	.84	.98	1.00	36.1	10.6	5.51	.86	.99	1.00		
67°F (19°C)	1200	565	40.8	12.0	3.97	.57	.71	.84	39.4	11.5	4.42	.58	.72	.86	37.8	11.1	4.93	.59	.74	.87	36.2	10.6	5.52	.59	.75	.89		
	1400	660	41.6	12.2	3.99	.60	.75	.89	40.2	11.8	4.44	.60	.76	.91	38.6	11.3	4.96	.61	.77	.92	36.9	10.8	5.54	.62	.79	.94		
	1600	755	42.3	12.4	4.01	.62	.78	.93	40.8	12.0	4.46	.63	.80	.95	39.2	11.5	4.98	.64	.82	.96	37.5	11.0	5.56	.65	.83	.98		
71°F (22°C)	1200	565	43.5	12.7	4.03	.43	.56	.68	41.9	12.3	4.49	.43	.56	.70	40.3	11.8	5.00	.43	.57	.71	38.6	11.3	5.58	.44	.58	.73		
	1400	660	44.3	13.0	4.05	.44	.58	.72	42.7	12.5	4.51	.44	.59	.74	41.0	12.0	5.02	.44	.60	.75	39.2	11.5	5.61	.45	.61	.77		
	1600	755	44.9	13.2	4.07	.45	.61	.76	43.3	12.7	4.52	.45	.61	.78	41.6	12.2	5.04	.45	.63	.80	39.7	11.6	5.63	.46	.64	.81		

### 10HPB42 — CH23-51 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	39.3	11.5	3.94	.73	.87	.98	38.0	11.1	4.39	.74	.88	.99	36.5	10.7	4.90	.76	.90	1.00	34.9	10.2	5.48	.77	.92	1.00		
	1400	660	40.4	11.8	3.97	.77	.92	1.00	39.0	11.4	4.42	.78	.93	1.00	37.5	11.0	4.92	.80	.95	1.00	35.9	10.5	5.50	.81	.97	1.00		
	1600	755	41.3	12.1	3.98	.81	.96	1.00	39.9	11.7	4.43	.82	.97	1.00	38.4	11.3	4.95	.84	.98	1.00	36.8	10.8	5.53	.85	1.00	1.00		
67°F (19°C)	1200	565	41.8	12.3	3.99	.57	.71	.84	40.3	11.8	4.45	.58	.72	.85	38.7	11.3	4.96	.58	.73	.87	37.0	10.8	5.54	.59	.75	.89		
	1400	660	42.7	12.5	4.01	.59	.74	.89	41.1	12.0	4.47	.60	.76	.90	39.5	11.6	4.99	.61	.77	.92	37.7	11.0	5.56	.62	.79	.94		
	1600	755	43.4	12.7	4.04	.62	.78	.93	41.8	12.3	4.49	.63	.80	.95	40.1	11.8	5.00	.64	.82	.96	38.4	11.3	5.58	.65	.83	.98		
71°F (22°C)	1200	565	44.5	13.0	4.06	.43	.56	.68	42.9	12.6	4.51	.43	.56	.69	41.2	12.1	5.03	.43	.57	.71	39.4	11.5	5.62	.44	.58	.72		
	1400	660	45.4	13.3	4.08	.43	.58	.72	43.7	12.8	4.53	.44	.59	.74	42.0	12.3	5.05	.44	.60	.75	40.2	11.8	5.64	.45	.61	.77		
	1600	755	46.1	13.5	4.09	.44	.60	.76	44.4	13.0	4.55	.45	.61	.78	42.6	12.5	5.06	.45	.62	.79	40.7	11.9	5.65	.46	.64	.81		

### 10HPB42 - CH33-36B/C-F - CH23-41 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)												
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input								
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW							
1200	565	49.4	14.5	3.47	37.8	11.1	3.11	25.3	7.4	2.73	18.0	5.3	2.43	9.0	2.6	1.82	660	50.0	14.7	3.35	38.4	11.3	3.00	25.9	7.6	2.62	18.6	5.5	2.31	9.6	2.8	1.70	
	1400	660	50.4	14.8	3.26	38.8	11.4	2.91	26.3	7.7	2.73	19.4	5.7	2.47	9.9	2.9	1.80	755	50.4	14.8	3.26	38.8	11.4	2.95	27.3	8.0	2.64	20.3	5.9	2.38	10.8	3.2	1.71
	1600	755	50.4	14.8	3.26	38.8	11.4	2.91	26.3	7.7	2.53	19.0	5.6	2.22	10.0	2.9	1.61																

### 10HPB42 - CH33-36B/C-F - CH23-41 - HEATING PERFORMANCE PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume

*Outdoor Temperature	Compressor Motor kW Input		Total Output		
°F	°C	kBtuh	kW	kBtuh	kW
65	18	3.33	48.9	14.3	
60	16	3.27	46.4	13.6	
55	13	3.20	43.9	12.9	
50	10	3.14	41.5	12.2	
47	8	3.10	40.0	11.7	
45	7	3.04	38.0	11.1	
40	4	2.8			

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — CB29M-46 - CB28UH-042 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	1300	615	44.0	12.9	4.45	.72	.86	.97	42.5	12.5	4.96	.73	.87	.98	40.9	12.0	5.55	.74	.89	.99	39.1	11.5	6.24	.76	.91	1.00	
	1500	710	45.0	13.2	4.47	.75	.90	1.00	43.5	12.7	4.98	.76	.91	1.00	41.8	12.3	5.58	.78	.93	1.00	40.0	11.7	6.27	.80	.95	1.00	
	1700	800	45.9	13.5	4.49	.78	.93	1.00	44.3	13.0	5.01	.80	.95	1.00	42.7	12.5	5.61	.81	.96	1.00	40.9	12.0	6.29	.83	.98	1.00	
67°F (19°C)	1300	615	46.7	13.7	4.51	.57	.70	.82	45.1	13.2	5.02	.57	.71	.84	43.4	12.7	5.62	.58	.72	.86	41.5	12.2	6.31	.59	.73	.87	
	1500	710	47.6	14.0	4.54	.58	.73	.87	46.0	13.5	5.05	.59	.74	.88	44.2	13.0	5.64	.60	.75	.90	42.2	12.4	6.35	.61	.77	.92	
	1700	800	48.4	14.2	4.55	.60	.76	.91	46.6	13.7	5.07	.61	.77	.92	44.8	13.1	5.67	.62	.79	.94	42.8	12.5	6.36	.63	.81	.96	
71°F (22°C)	1300	615	49.8	14.6	4.59	.43	.55	.67	48.0	14.1	5.11	.43	.55	.68	46.2	13.5	5.70	.43	.56	.69	44.2	13.0	6.40	.43	.57	.71	
	1500	710	50.7	14.9	4.61	.43	.57	.70	48.9	14.3	5.13	.43	.57	.72	47.0	13.8	5.73	.44	.59	.73	44.9	13.2	6.44	.44	.59	.75	
	1700	800	51.4	15.1	4.63	.44	.59	.74	49.5	14.5	5.15	.44	.60	.75	47.6	14.0	5.75	.45	.61	.77	45.5	13.3	6.46	.45	.62	.79	

### 10HPB48 — CB29M-51 - CB28UH-048 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	44.9	13.2	4.58	.73	.88	.98	43.4	12.7	5.11	.75	.89	1.00	41.7	12.2	5.72	.76	.91	1.00	39.9	11.7	6.42	.78	.93	1.00	
	1600	755	45.9	13.5	4.61	.77	.92	1.00	44.3	13.0	5.14	.78	.93	1.00	42.6	12.5	5.74	.79	.95	1.00	40.8	12.0	6.45	.81	.97	1.00	
	1800	850	46.8	13.7	4.63	.80	.95	1.00	45.2	13.2	5.15	.81	.96	1.00	43.5	12.7	5.76	.83	.98	1.00	41.7	12.2	6.48	.85	.99	1.00	
67°F (19°C)	1400	660	47.7	14.0	4.65	.57	.71	.84	46.0	13.5	5.18	.58	.72	.86	44.2	13.0	5.79	.59	.74	.88	42.2	12.4	6.51	.60	.75	.90	
	1600	755	48.5	14.2	4.67	.59	.74	.89	46.8	13.7	5.20	.60	.76	.90	44.9	13.2	5.82	.61	.77	.92	42.9	12.6	6.52	.62	.79	.94	
	1800	850	49.2	14.4	4.69	.61	.78	.92	47.4	13.9	5.22	.62	.79	.94	45.6	13.4	5.84	.63	.80	.95	43.5	12.7	6.55	.64	.83	.98	
71°F (22°C)	1400	660	50.8	14.9	4.73	.43	.56	.69	49.0	14.4	5.26	.43	.57	.70	47.1	13.8	5.88	.43	.57	.71	45.0	13.2	6.60	.44	.58	.73	
	1600	755	51.6	15.1	4.76	.43	.58	.72	49.8	14.6	5.29	.44	.58	.73	47.8	14.0	5.91	.44	.59	.75	45.7	13.4	6.63	.44	.61	.77	
	1800	850	52.3	15.3	4.77	.44	.60	.75	50.4	14.8	5.31	.44	.61	.77	48.4	14.2	5.93	.45	.62	.79	46.2	13.5	6.64	.45	.63	.80	

### 10HPB48 - CB29M-46 - CB28UH-042 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)									
			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)						
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C			
1550	730	53.8	15.8	3.63	42.1	12.3	3.28	29.9	8.8	2.92	21.6	6.3	2.58	10.8	3.2	1.91	1675	790	54.2	15.9	3.58	42.5	12.5	3.26	22.0	6.4	2.52	11.2	3.3	1.85
	1800	850	54.5	16.0	3.53	42.8	12.5	3.18	30.6	9.0	2.81	22.3	6.5	2.47	11.5	3.4	1.80													

### 10HPB48 - CB29M-46 - CB28UH-042 - HEATING CAPACITY PERFORMANCE at 1550 cfm (730 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		3.72	15.7
60	16		3.62	14.9
55	13		3.53	14.2
50	10		3.44	13.4
47	8		3.39	12.9
45	7		3.32	12.3
40	4		3.16	10.9
35	2		3.01	9.4
30	-1		2.96	9.1
25	-4		2.91	8.8
20	-7		2.86	8.4
17	-8		2.83	

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — CB29M-65 - CB28UH-060 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	45.8	13.4	4.65	.74	.88	.99	44.3	13.0	5.18	.75	.89	1.00	42.6	12.5	5.81	.76	.91	1.00	40.7	11.9	6.52	.77	.93	1.00		
	1600	755	46.8	13.7	4.68	.77	.92	1.00	45.2	13.2	5.21	.78	.93	1.00	43.5	12.7	5.83	.80	.95	1.00	41.6	12.2	6.54	.81	.97	1.00		
	1800	850	47.7	14.0	4.70	.80	.95	1.00	46.1	13.5	5.23	.81	.96	1.00	44.4	13.0	5.85	.83	.98	1.00	42.5	12.5	6.58	.85	.99	1.00		
67°F (19°C)	1400	660	48.7	14.3	4.72	.57	.71	.84	46.9	13.7	5.26	.58	.72	.86	45.1	13.2	5.88	.59	.74	.88	43.1	12.6	6.60	.60	.75	.89		
	1600	755	49.5	14.5	4.74	.59	.74	.89	47.7	14.0	5.28	.60	.76	.90	45.8	13.4	5.91	.61	.77	.92	43.8	12.8	6.62	.62	.79	.94		
	1800	850	50.2	14.7	4.76	.61	.77	.92	48.4	14.2	5.30	.62	.79	.94	46.5	13.6	5.92	.63	.81	.96	44.4	13.0	6.65	.64	.82	.97		
71°F (22°C)	1400	660	51.8	15.2	4.81	.43	.56	.69	50.0	14.7	5.34	.43	.56	.70	48.0	14.1	5.97	.43	.57	.71	45.9	13.5	6.70	.44	.58	.73		
	1600	755	52.7	15.4	4.83	.43	.58	.72	50.8	14.9	5.37	.44	.58	.73	48.8	14.3	6.00	.44	.59	.75	46.6	13.7	6.73	.44	.61	.77		
	1800	850	53.4	15.6	4.84	.44	.60	.75	51.4	15.1	5.39	.45	.61	.77	49.3	14.4	6.02	.45	.62	.79	47.1	13.8	6.74	.45	.63	.81		

### 10HPB48 — CB30U-41/46/CB30M-46 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor kW Input		Sensible To Total Ratio (S/T)
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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)	1300	615	42.9	12.6	4.22	.72	.86	.97	41.5	12.2	4.71	.73	.87	.98	39.9	11.7	5.28	.74	.88	1.00	38.1	11.2	5.93	.76	.91	1.00		
	1500	710	44.0	12.9	4.25	.75	.90	1.00	42.4	12.4	4.74	.76	.91	1.00	40.8	12.0	5.31	.78	.93	1.00	39.1	11.5	5.95	.79	.95	1.00		
	1700	800	44.8	13.1	4.28	.78	.93	1.00	43.3	12.7	4.76	.80	.95	1.00	41.7	12.2	5.32	.81	.96	1.00	39.9	11.7	5.97	.83	.98	1.00		
67°F (19°C)	1300	615	45.7	13.4	4.29	.56	.69	.82	44.1	12.9	4.78	.57	.71	.84	42.3	12.4	5.34	.58	.72	.85	40.5	11.9	6.00	.59	.73	.87		
	1500	710	46.6	13.7	4.31	.58	.73	.87	44.9	13.2	4.80	.59	.74	.88	43.1	12.6	5.37	.60	.75	.90	41.2	12.1	6.03	.61	.77	.92		
	1700	800	47.3	13.9	4.33	.60	.76	.90	45.6	13.4	4.82	.61	.77	.92	43.8	12.8	5.40	.62	.79	.94	41.8	12.3	6.05	.63	.81	.96		
71°F (22°C)	1300	615	48.7	14.3	4.37	.43	.55	.67	47.0	13.8	4.85	.43	.55	.68	45.1	13.2	5.43	.43	.56	.69	43.1	12.6	6.10	.43	.57	.71		
	1500	710	49.6	14.5	4.39	.43	.57	.70	47.8	14.0	4.88	.43	.58	.72	45.9	13.5	5.46	.44	.58	.73	43.9	12.9	6.12	.44	.59	.75		
	1700	800	50.3	14.7	4.41	.44	.59	.74	48.5	14.2	4.90	.44	.60	.75	46.5	13.6	5.47	.45	.61	.77	44.5	13.0	6.13	.45	.62	.79		

### 10HPB48 - CB29M-65 - CB28UH-060 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)										
			Total Heating Capacity		Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input		Total Heating Capacity			Comp. Motor kW Input						
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW					
1400	660	51.7	15.2	3.50	40.8	12.0	3.22	29.3	8.6	2.93	21.5	6.3	2.64	10.8	3.2	1.94	1500	710	52.0	15.2	3.45	41.1	12.0	3.05	28.0	8.2	2.88	11.1	3.3	1.89	
	1500	710	52.0	15.2	3.45	41.1	12.0	3.17	29.6	8.7	2.88	21.8	6.4	2.59	11.1	3.3	1.89	1600	755	52.2	15.3	3.39	41.3	12.1	3.12	22.0	6.4	2.83	11.3	3.3	1.83
	1600	755	52.2	15.3	3.39	41.3	12.1	3.12	29.8	8.7	2.83	22.0	6.4	2.53	11.3	3.3	1.83	1700	800	53.4	15.6	3.44	42.1	12.4	3.18	22.2	6.5	2.81	11.6	3.4	1.78

### 10HPB48 - CB29M-65 - CB28UH-060 - HEATING PERFORMANCE

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

*Outdoor Temperature °F	*Outdoor Temperature °C	Compressor Motor kW Input	Total Output kBtuh	Total Output kW
65	18		54.3	15.9
60	16		51.6	15.1
55	13		48.8	14.3
50	10		46.1	13.5
47	8		44.5	13.0
45	7		42.5	12.5
40	4	</		

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — CB30U-51/CB30M-51 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	45.7	13.4	4.36	.73	.87	.99	44.0	12.9	4.86	.74	.89	1.00	42.3	12.4	5.43	.76	.91	1.00	40.4	11.8	6.10	.77	.93	1.00	
	1600	755	46.7	13.7	4.39	.77	.91	1.00	45.0	13.2	4.89	.78	.93	1.00	43.2	12.7	5.46	.79	.95	1.00	41.3	12.1	6.13	.81	.97	1.00	
	1800	850	47.6	14.0	4.41	.79	.95	1.00	45.9	13.5	4.91	.81	.97	1.00	44.1	12.9	5.49	.83	.98	1.00	42.2	12.4	6.16	.85	1.00	1.00	
67°F (19°C)	1400	660	48.6	14.2	4.44	.57	.71	.84	46.8	13.7	4.93	.58	.72	.86	44.9	13.2	5.51	.59	.73	.87	42.9	12.6	6.19	.60	.75	.90	
	1600	755	49.5	14.5	4.46	.59	.74	.88	47.7	14.0	4.96	.60	.75	.90	45.7	13.4	5.54	.61	.77	.92	43.6	12.8	6.21	.62	.79	.94	
	1800	850	50.3	14.7	4.48	.61	.77	.92	48.4	14.2	4.99	.62	.79	.94	46.4	13.6	5.56	.63	.80	.96	44.2	13.0	6.23	.64	.83	.98	
71°F (22°C)	1400	660	51.8	15.2	4.52	.43	.56	.68	50.0	14.7	5.02	.43	.56	.70	47.9	14.0	5.61	.43	.57	.71	45.7	13.4	6.29	.44	.58	.72	
	1600	755	52.8	15.5	4.54	.43	.58	.72	50.8	14.9	5.05	.44	.58	.73	48.7	14.3	5.64	.44	.59	.75	46.4	13.6	6.31	.44	.61	.77	
	1800	850	53.5	15.7	4.57	.44	.60	.75	51.4	15.1	5.07	.45	.61	.77	49.3	14.4	5.65	.45	.62	.78	47.0	13.8	6.33	.45	.63	.80	

### 10HPB48 — CB30U-65/CB30M-65 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	45.7	13.4	4.36	.73	.87	.99	44.0	12.9	4.86	.74	.89	1.00	42.3	12.4	5.43	.76	.91	1.00	40.4	11.8	6.10	.77	.93	1.00	
	1600	755	46.7	13.7	4.39	.77	.91	1.00	45.0	13.2	4.89	.78	.93	1.00	43.2	12.7	5.46	.79	.95	1.00	41.3	12.1	6.13	.81	.97	1.00	
	1800	850	47.6	14.0	4.41	.79	.95	1.00	45.9	13.5	4.91	.81	.97	1.00	44.1	12.9	5.49	.83	.98	1.00	42.2	12.4	6.16	.85	.99	1.00	
67°F (19°C)	1400	660	48.6	14.2	4.44	.57	.71	.84	46.8	13.7	4.93	.58	.72	.86	44.9	13.2	5.51	.59	.73	.87	42.9	12.6	6.19	.60	.75	.90	
	1600	755	49.5	14.5	4.46	.59	.74	.88	47.7	14.0	4.96	.60	.75	.90	45.7	13.4	5.54	.61	.77	.92	43.6	12.8	6.21	.62	.79	.94	
	1800	850	50.3	14.7	4.48	.61	.77	.92	48.4	14.2	4.99	.62	.79	.94	46.4	13.6	5.56	.63	.80	.96	44.2	13.0	6.23	.64	.83	.98	
71°F (22°C)	1400	660	51.8	15.2	4.52	.43	.56	.68	50.0	14.7	5.02	.43	.56	.70	47.9	14.0	5.61	.43	.57	.71	45.7	13.4	6.29	.44	.58	.72	
	1600	755	52.8	15.5	4.54	.43	.58	.72	50.8	14.9	5.05	.44	.58	.73	48.7	14.3	5.64	.44	.59	.75	46.4	13.6	6.31	.44	.61	.77	
	1800	850	53.5	15.7	4.57	.44	.60	.75	51.4	15.1	5.07	.45	.61	.77	49.3	14.4	5.65	.45	.62	.78	47.0	13.8	6.33	.45	.63	.80	

### 10HPB48 - CB30U-51/CB30M-51 - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)									
			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)			Total Heating Capacity		Comp. Motor kW Input	Sensible To Total Ratio (S/T)						
	cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C			
1400	660	52.7	15.4	3.46	41.0	12.0	3.16	28.8	8.4	2.85	20.6	6.0	2.55	10.3	3.0	1.89	1600	755	53.2	15.6	3.36	41.5	12.2	3.06	21.1	6.2	2.44	10.8	3.2	1.79
	1800	850	53.6	15.7	3.27	41.9	12.3	2.97	29.7	8.7	2.65	21.5	6.3	2.36	11.2	3.3	1.70													

### 10HPB48 - CB30U-51/CB30M-51 - HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		3.14	15.8
60	16		3.11	15.0
55	13		3.08	14.2
50	10		3.06	13.4
47	8		3.04	12.9
45	7		3.01	12.3
40	4		2.94	10.8
35	2		2.87	9.3
30	-1		2.87	8.9
25	-4		2.87	8.6
20	-7		2.87	8.2
17	-8		2.87	8.0</

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — C33-44C - C26-46 - COOLING CAPACITY

Entering Wet Bulb Temper- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)																
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)														
		cfm	L/s	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C											
63°F (17°C)	1000	470	41.6	12.2	4.77	.68	.79	.90	40.2	11.8	5.31	.68	.80	.91	38.7	11.3	5.95	.69	.82	.93	37.0	10.8	6.69	.70	.83	.95
	1200	565	43.1	12.6	4.81	.71	.84	.95	41.6	12.2	5.36	.72	.85	.96	40.0	11.7	6.00	.73	.87	.98	38.3	11.2	6.74	.74	.88	.99
	1400	660	44.3	13.0	4.84	.74	.88	.99	42.7	12.5	5.40	.75	.90	1.00	41.1	12.0	6.04	.76	.91	1.00	39.3	11.5	6.78	.78	.93	1.00
67°F (19°C)	1000	470	44.4	13.0	4.84	.54	.65	.76	42.9	12.6	5.39	.55	.66	.77	41.3	12.1	6.04	.55	.67	.78	39.5	11.6	6.78	.56	.68	.80
	1200	565	45.9	13.5	4.88	.56	.68	.80	44.3	13.0	5.44	.56	.69	.82	42.5	12.5	6.08	.57	.70	.83	40.7	11.9	6.83	.58	.71	.85
	1400	660	47.0	13.8	4.91	.58	.71	.85	45.3	13.3	5.47	.58	.73	.86	43.5	12.7	6.12	.59	.74	.88	41.6	12.2	6.86	.60	.75	.90
71°F (22°C)	1000	470	47.4	13.9	4.93	.42	.52	.62	45.8	13.4	5.48	.42	.53	.63	44.1	12.9	6.13	.42	.53	.64	42.2	12.4	6.89	.42	.54	.65
	1200	565	48.9	14.3	4.97	.42	.54	.66	47.2	13.8	5.53	.42	.54	.67	45.4	13.3	6.18	.43	.55	.68	43.4	12.7	6.94	.43	.56	.69
	1400	660	50.0	14.7	5.00	.43	.56	.69	48.2	14.1	5.56	.43	.57	.70	46.3	13.6	6.22	.43	.57	.72	44.2	13.0	6.98	.44	.59	.73

### 10HPB48 — C26-51/65 - COOLING CAPACITY

Entering Wet Bulb Temper- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Sensible To Total Ratio (S/T)										
		cfm	L/s	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17°C)	1100	520	43.8	12.8	4.85	.69	.81	.92	42.2	12.4	5.41	.70	.82	.94	40.6	11.9	6.06	.71	.84	.96	38.8	11.4	6.81	.72	.86	.97
	1300	615	45.2	13.2	4.90	.72	.86	.97	43.6	12.8	5.45	.73	.87	.98	41.9	12.3	6.09	.74	.89	1.00	40.0	11.7	6.84	.76	.91	1.00
	1500	710	46.3	13.6	4.92	.75	.90	1.00	44.7	13.1	5.48	.77	.91	1.00	42.9	12.6	6.13	.78	.93	1.00	41.0	12.0	6.89	.80	.95	1.00
67°F (19°C)	1100	520	46.7	13.7	4.93	.55	.66	.78	45.1	13.2	5.49	.55	.67	.79	43.3	12.7	6.15	.56	.68	.80	41.4	12.1	6.90	.57	.69	.82
	1300	615	48.1	14.1	4.97	.57	.69	.82	46.3	13.6	5.54	.57	.71	.84	44.5	13.0	6.19	.58	.72	.85	42.5	12.5	6.94	.59	.73	.87
	1500	710	49.1	14.4	5.00	.58	.73	.87	47.3	13.9	5.57	.59	.74	.88	45.4	13.3	6.22	.60	.76	.90	43.3	12.7	6.98	.61	.77	.92
71°F (22°C)	1100	520	49.9	14.6	5.02	.42	.53	.64	48.2	14.1	5.59	.42	.53	.65	46.3	13.6	6.24	.42	.54	.65	44.2	13.0	7.01	.43	.55	.67
	1300	615	51.3	15.0	5.06	.42	.55	.67	49.4	14.5	5.63	.43	.55	.68	47.4	13.9	6.29	.43	.56	.69	45.3	13.3	7.05	.43	.57	.71
	1500	710	52.3	15.3	5.10	.43	.57	.71	50.4	14.8	5.66	.43	.58	.72	48.3	14.2	6.32	.44	.59	.73	46.1	13.5	7.09	.44	.60	.75

### 10HPB48 - C33-44C - 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								
	cfm	L/s	kBtuh	kW	kBtuh	kW	Comp Motor kW Input	75°F 24°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C	kBtuh	kW	Comp Motor kW Input	75°F 24°C							
1300	615	51.3	15.0	3.65	40.0	11.7	3.27	28.1	8.2	2.88	20.0	5.9	2.53	10.0	2.9	1.89	1500	710	51.9	15.2	3.54	40.6	11.8	3.27			
	1500	710	51.9	15.2	3.54	40.6	11.9	3.16	28.7	8.4	2.77	20.6	6.0	2.42	10.6	3.1	1.78			1700	800	52.5	15.4	3.44	41.2	12.1	3.06
45	7				3.25			40.1				29.3			2.86				46	8				3.22			
40	4				3.11			35.5				30.8			2.77				47	5				3.16			
35	2				2.98			30.8				29.7			2.77				48	3				2.87			
30	-1				2.95			29.7				28.6			2.77				49	-2				2.82			
25	-4				2.92			28.6										50	-1				2.77				
20	-7				2.89			27.5										51	-8				2.73				
17	-8				2.88			26.8										52	-9				2.70				
15	-9				2.85			25.8										53	-10				2.67				
10	-12				2.78			23.3										54	-12				2.58				
5	-15				2.60			20.7										55	-15				2.42				
0	-18				2.43			18.2										56	-18				2.26				
-5	-21				2.25			15.6										57	-21				2.10				
-10	-23				2.08			13.1										58	-23				1.94				
-15	-26				1.90			10.6										59	-26				1.78				
-20	-29				1.73			8.0										60	-29				1.62				

*Outdoor Temperature	Comp. Motor kW Input	Total Output
65	18	3.54
60	16	3.45
55	13	3.36
50	10	3.28
47	8	3.22
45	7	3.16
40	4	3.02
35		

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — CR26-48N - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	1100	520	42.1	12.3	4.87	.69	.81	.92	40.7	11.9	5.43	.69	.82	.93	39.1	11.5	6.08	.70	.83	.94	37.5	11.0	6.84	.71	.85	.96
	1300	615	43.4	12.7	4.91	.71	.84	.96	41.9	12.3	5.47	.72	.86	.97	40.3	11.8	6.12	.73	.87	.99	38.5	11.3	6.89	.75	.89	1.00
	1500	710	44.4	13.0	4.94	.74	.88	.99	42.9	12.6	5.50	.75	.90	1.00	41.2	12.1	6.16	.76	.92	1.00	39.4	11.5	6.92	.78	.93	1.00
67°F (19°C)	1100	520	45.0	13.2	4.95	.55	.66	.77	43.4	12.7	5.51	.55	.67	.78	41.8	12.3	6.17	.56	.67	.80	40.0	11.7	6.93	.56	.69	.81
	1300	615	46.2	13.5	4.99	.56	.69	.81	44.6	13.1	5.55	.57	.70	.82	42.9	12.6	6.21	.57	.71	.84	41.0	12.0	6.98	.58	.72	.86
	1500	710	47.2	13.8	5.01	.58	.71	.85	45.5	13.3	5.58	.58	.73	.87	43.7	12.8	6.24	.59	.74	.88	41.7	12.2	7.01	.60	.76	.90
71°F (22°C)	1100	520	48.0	14.1	5.04	.42	.53	.63	46.4	13.6	5.61	.42	.53	.64	44.6	13.1	6.27	.42	.54	.65	42.7	12.5	7.04	.42	.54	.66
	1300	615	49.3	14.4	5.07	.42	.54	.66	47.6	14.0	5.64	.42	.55	.67	45.7	13.4	6.31	.43	.56	.68	43.7	12.8	7.08	.43	.56	.70
	1500	710	50.2	14.7	5.10	.43	.56	.69	48.4	14.2	5.67	.43	.57	.70	46.5	13.6	6.34	.43	.58	.72	44.5	13.0	7.12	.44	.58	.73

### 10HPB48 — CR26-48W - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Dry Bulb	75°F 24°C	80°F 27°C
63°F (17°C)	1300	615	44.0	12.9	4.95	.71	.85	.96	42.5	12.5	5.52	.72	.86	.97	40.9	12.0	6.18	.73	.87	.99	39.1	11.5	6.95	.75	.89	1.00
	1500	710	45.0	13.2	4.98	.74	.88	.99	43.5	12.7	5.55	.75	.90	1.00	41.8	12.3	6.21	.76	.92	1.00	40.0	11.7	6.98	.78	.94	1.00
	1700	800	45.9	13.5	5.00	.77	.92	1.00	44.3	13.0	5.58	.78	.93	1.00	42.7	12.5	6.24	.80	.95	1.00	40.8	12.0	7.00	.81	.97	1.00
67°F (19°C)	1300	615	46.9	13.7	5.03	.56	.69	.81	45.3	13.3	5.60	.57	.70	.83	43.5	12.7	6.26	.57	.71	.84	41.6	12.2	7.04	.58	.72	.86
	1500	710	47.9	14.0	5.06	.58	.71	.85	46.2	13.5	5.62	.58	.73	.87	44.4	13.0	6.29	.59	.74	.89	42.4	12.4	7.07	.60	.76	.90
	1700	800	48.6	14.2	5.07	.59	.74	.89	46.9	13.7	5.65	.60	.76	.91	45.0	13.2	6.32	.61	.77	.92	43.0	12.6	7.09	.62	.79	.94
71°F (22°C)	1300	615	50.0	14.7	5.12	.42	.54	.66	48.3	14.2	5.69	.42	.55	.67	46.4	13.6	6.36	.43	.55	.68	44.4	13.0	7.14	.43	.56	.70
	1500	710	51.0	14.9	5.14	.43	.56	.69	49.2	14.4	5.72	.43	.57	.70	47.2	13.8	6.39	.43	.58	.72	45.1	13.2	7.18	.44	.59	.73
	1700	800	51.7	15.2	5.17	.44	.58	.72	49.9	14.6	5.74	.44	.59	.74	47.9	14.0	6.42	.44	.59	.75	45.7	13.4	7.20	.45	.61	.77

### 10HPB48 - CR26-48N - HEATING CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)	65°F (18°C)		45°F (7°C)						25°F (-4°C)						5°F (-15°C)						-15°F (-26°C)							
			Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity			Comp. Motor kW Input	Total Heating Capacity						
	cfm	L/s	kBtuh	kW		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh		kBtuh	kW	kBtuh												
1100	520	50.4	14.8	3.96		39.4	11.5	3.56		27.9	8.2	3.15		20.0	5.9	2.77		9.9	2.9	2.09								
1300	615	51.1	15.0	3.78		40.1	11.8	3.38		28.6	8.4	2.97		20.7	6.1	2.59		10.6	3.1	1.91								
1500	710	51.7	15.2	3.65		40.7	11.9	3.26		29.2	8.6	2.85		21.3	6.2	2.47		11.2	3.3	1.78								

### 10HPB48 - CR26-48N - HEATING PERFORMANCE at 1300 cfm (615 L/s) Indoor Coil Air Volume

*Outdoor Temperature °F	°C	Compressor Motor kW Input	Total Output kBtuh	kW
65	18		3.78	15.0
60	16		3.69	14.2
55	13		3.59	13.5
50	10		3.50	12.7
47	8		3.45	12.3
45	7		3.38	11.8
40	4		3.23	10.4
35	2		3.07	9.0
30	-1		3.02	8.7
25	-4		2.97	8.4
20	-7		2.92	8.1
17	-8		2.89	7.9
15	-9		2.85	7.6
10	-12		2.76	6.8
5	-15		2.59	6.1
0	-18		2.42	5.3
-5	-21		2.25	4.6
-10	-23		2.08	3.8
-15	-26		1.91	3.1
-20	-29		1.74	2.3

### 10HP

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

## **10HPB48 — CH23-41 - CH33-44B-F - COOLING CAPACITY**

Entering Wet Bulb Tempera- ture	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)				95°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								
			cfm	L/s		kBtuh	kW	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	Comp Motor kW Input							
63°F (17°C)	1400	660	43.3	12.7	4.83	.74	.88	.99	41.8	12.3	5.38	.75	.90	1.00	40.2	11.8	6.02	.77	.92	1.00	38.5	11.3	6.78	.78	.94	1.00
	1600	755	44.2	13.0	4.85	.78	.93	1.00	42.7	12.5	5.41	.79	.94	1.00	41.1	12.0	6.06	.80	.96	1.00	39.4	11.5	6.81	.82	.97	1.00
	1800	850	45.0	13.2	4.88	.81	.96	1.00	43.5	12.7	5.44	.82	.97	1.00	41.9	12.3	6.08	.84	.99	1.00	40.3	11.8	6.83	.86	.99	1.00
67°F (19°C)	1400	660	45.7	13.4	4.89	.58	.72	.85	44.2	13.0	5.44	.59	.73	.87	42.5	12.5	6.09	.59	.74	.89	40.6	11.9	6.84	.60	.76	.90
	1600	755	46.5	13.6	4.91	.60	.75	.90	44.9	13.2	5.47	.61	.77	.91	43.1	12.6	6.12	.61	.78	.93	41.2	12.1	6.88	.63	.80	.95
	1800	850	47.2	13.8	4.93	.62	.79	.94	45.5	13.3	5.49	.63	.80	.95	43.7	12.8	6.14	.64	.82	.97	41.8	12.3	6.89	.65	.84	.98
71°F (22°C)	1400	660	48.6	14.2	4.97	.43	.56	.70	47.0	13.8	5.53	.43	.57	.74	45.2	13.2	6.19	.43	.58	.72	43.2	12.7	6.94	.44	.59	.74
	1600	755	49.4	14.5	4.99	.44	.59	.73	47.7	14.0	5.55	.44	.59	.74	45.8	13.4	6.21	.44	.60	.76	43.8	12.8	6.96	.45	.61	.78
	1800	850	50.0	14.7	5.01	.44	.61	.77	48.2	14.1	5.57	.45	.62	.78	46.3	13.6	6.22	.45	.63	.80	44.3	13.0	6.99	.46	.64	.82

**10HPB48 — CH33-48C-F - CH23-51 - COOLING CAPACITY**

Entering Wet Bulb Tempera- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																									
		85°F (29°C)						95°F (35°C)						105°F (41°C)				115°F (46°C)									
		Total Cooling Capacity		Comp Motor kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity		Comp Motor kW		Sensible To Total Ratio (S/T)			
		cfm	L/s	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	44.5	13.0	4.37	.74	.88	.99	.99	43.0	12.6	4.87	.75	.90	1.00	41.4	12.1	5.46	.77	.91	1.00	39.6	11.6	6.13	.78	.93	1.00
	1600	755	45.5	13.3	4.39	.77	.92	1.00	44.0	12.9	4.90	.79	.94	1.00	42.3	12.4	5.48	.80	.96	1.00	40.5	11.9	6.15	.82	.97	1.00	
	1800	850	46.4	13.6	4.42	.81	.96	1.00	44.8	13.1	4.92	.82	.97	1.00	43.2	12.7	5.50	.83	.98	1.00	41.4	12.1	6.18	.85	1.00	1.00	
67°F (19°C)	1400	660	47.2	13.8	4.43	.58	.72	.85	45.5	13.3	4.93	.58	.73	.86	43.7	12.8	5.52	.59	.74	.88	41.8	12.3	6.20	.60	.76	.90	
	1600	755	48.0	14.1	4.45	.60	.75	.89	46.3	13.6	4.96	.61	.76	.91	44.4	13.0	5.55	.61	.78	.93	42.5	12.5	6.23	.63	.80	.95	
	1800	850	48.7	14.3	4.47	.62	.78	.93	46.9	13.7	4.98	.63	.80	.95	45.1	13.2	5.56	.64	.82	.97	43.1	12.6	6.24	.65	.84	.98	
71°F (22°C)	1400	660	50.2	14.7	4.51	.43	.56	.69	48.4	14.2	5.02	.43	.57	.70	46.5	13.6	5.60	.43	.58	.72	44.4	13.0	6.29	.44	.59	.73	
	1600	755	51.0	14.9	4.53	.44	.58	.73	49.2	14.4	5.03	.44	.59	.74	47.2	13.8	5.62	.44	.60	.76	45.1	13.2	6.31	.45	.61	.78	
	1800	850	51.6	15.1	4.55	.44	.60	.76	49.8	14.6	5.05	.45	.61	.78	47.8	14.0	5.65	.45	.63	.80	45.6	13.4	6.33	.46	.64	.81	

10HPB48 - CH23-41 - CH33-44B-F - HEATING CAPACITY

Air Temperature Entering Outdoor Coil																			
Indoor Coil Air Volume		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)	
70°F db (21°C db)	Total Heating Capacity	Comp. Motor kW	kBtuh	kW	Total Heating Capacity	Comp. Motor kW	kBtuh	kW	Total Heating Capacity	Comp. Motor kW	kBtuh	kW	Total Heating Capacity	Comp. Motor kW	kBtuh	kW	Total Heating Capacity	Comp. Motor kW	
cfm	L/s	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	kBtuh	kW	Input	Total Heating Capacity	Comp. Motor kW	
1400	660	51.8	15.2	3.74	40.5	11.9	3.38	28.6	8.4	3.01	20.6	6.0	2.67	10.2	3.0	1.99			
1600	755	52.4	15.4	3.62	41.1	12.0	3.26	29.2	8.6	2.89	21.2	6.2	2.55	10.8	3.2	1.87			
1800	850	52.9	15.5	3.53	41.6	12.2	3.18	29.7	8.7	2.81	21.7	6.4	2.46	11.3	3.3	1.78			

10HPB48 - CH33-48C-E - CH23-51 - HEATING CAPACITY

Air Temperature Entering Outdoor Coil													
Indoor Coil Air Volume 70°F db (21°C db)		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)			
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input
1400	660	52.4	15.4	3.66	41.1	12.0	3.33	29.1	8.5	2.98	21.0	6.2	2.65
1600	755	52.9	15.5	3.55	41.6	12.2	3.22	29.6	8.7	2.87	21.5	6.3	2.54
1800	850	53.4	15.6	3.45	42.1	12.4	3.11	30.1	8.9	3.05	22.0	6.4	2.23
2000	945	53.9	15.7	3.35	42.6	12.6	3.00	30.6	9.1	3.34	22.5	6.5	1.92

**10HPB48 - CH23-41 - CH33-44B-F - HEATING**  
**PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume**

Performance at 1000 CFM (755 L/S) Indoor Con. Air Volume				
*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.62	52.4	15.4
60	16	3.53	49.8	14.6
55	13	3.45	47.2	13.8
50	10	3.37	44.6	13.1
47	8	3.32	43.0	12.6
45	7	3.26	41.1	12.0
40	4	3.12	36.3	10.6
35	2	2.97	31.5	9.2
30	-1	2.93	30.4	8.9
25	-4	2.89	29.2	8.6
20	-7	2.85	28.1	8.2
17	-8	2.83	27.4	8.0
15	-9	2.80	26.4	7.7
10	-12	2.71	23.8	7.0
5	-15	2.55	21.2	6.2
0	-18	2.38	18.6	5.5
-5	-21	2.21	16.0	4.7
-10	-23	2.04	13.4	3.9
-15	-26	1.87	10.8	3.2
-20	-29	1.70	8.2	2.4

#### **10HPB48 - CH33-48C-F - CH23-51 - HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume**

at 1000 CFM (755 L/S) Indoor Coil Air Volume		Total Output	
*Outdoor Temperature		Compressor Motor kW Input	
°F	°C		kBtu/h
65	18	3.55	52.9
60	16	3.47	50.3
55	13	3.39	47.7
50	10	3.32	45.1
47	8	3.27	43.5
45	7	3.22	41.6
40	4	3.08	36.7
35	2	2.94	31.9
30	-1	2.90	30.8
25	-4	2.87	29.6
20	-7	2.83	28.5
17	-8	2.81	27.8
15	-9	2.78	26.8
10	-12	2.71	24.1
5	-15	2.54	21.5
0	-18	2.37	18.9
-5	-21	2.20	16.2
-10	-23	2.03	13.6
-15	-26	1.86	11.0
-20	-29	1.69	8.3

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB48 — CH23-65 - COOLING CAPACITY

Entering Wet Bulb Tempera- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)						95°F (35°C)						105°F (41°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)								
		cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 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	44.6	13.1	4.31	.74	.88	.99	43.0	12.6	4.81	.75	.90	1.00	41.4	12.1	5.37	.76	.91	1.00	39.6	11.6	6.03	.78	.93	1.00
	1600	755	45.6	13.4	4.34	.77	.92	1.00	44.0	12.9	4.83	.78	.94	1.00	42.3	12.4	5.40	.80	.95	1.00	40.5	11.9	6.07	.82	.97	1.00
	1800	850	46.5	13.6	4.36	.80	.96	1.00	44.9	13.2	4.85	.82	.97	1.00	43.2	12.7	5.43	.83	.99	1.00	41.4	12.1	6.09	.85	1.00	1.00
67°F (19°C)	1400	660	47.3	13.9	4.38	.58	.71	.85	45.6	13.4	4.87	.58	.73	.86	43.8	12.8	5.45	.59	.74	.88	41.8	12.3	6.11	.60	.76	.90
	1600	755	48.1	14.1	4.40	.59	.75	.89	46.4	13.6	4.90	.60	.76	.91	44.5	13.0	5.47	.61	.78	.93	42.5	12.5	6.14	.62	.80	.95
	1800	850	48.9	14.3	4.42	.61	.78	.93	47.1	13.8	4.92	.62	.80	.95	45.2	13.2	5.49	.63	.81	.96	43.1	12.6	6.17	.65	.83	.98
71°F (22°C)	1400	660	50.4	14.8	4.45	.43	.56	.69	48.5	14.2	4.95	.43	.57	.70	46.6	13.7	5.54	.43	.58	.72	44.6	13.1	6.21	.44	.59	.73
	1600	755	51.2	15.0	4.48	.44	.58	.72	49.3	14.4	4.98	.44	.59	.74	47.4	13.9	5.56	.44	.60	.76	45.2	13.2	6.23	.45	.61	.77
	1800	850	51.9	15.2	4.50	.44	.60	.76	50.0	14.7	5.00	.45	.61	.77	48.0	14.1	5.58	.45	.62	.79	45.7	13.4	6.26	.46	.64	.81

### 10HPB60 — COOLING CAPACITY — CB29M-51 - CB28UH-048

Enter- ing Wet Bulb Tempera- ture	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
		Total Cooling Capacity		Com- pressor Motor Watts Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Com- pressor Motor Watts Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Com- pressor Motor Watts Input		Sensible To Total Ratio (S/T) Dry Bulb		Total Cooling Capacity		Com- pressor Motor Watts Input		Sensible To Total Ratio (S/T) Dry Bulb		
		L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C
63°F (17.2°C)	825	1750	16.6	56,700	4720	.73	.87	.98	16.0	54,700	5330	.74	.89	.99	15.4	52,600	6040	.76	.90	1.00	14.7	50,300	6840	.77	.92	1.00
	850	1800	16.7	56,900	4730	.74	.88	.99	16.1	54,900	5340	.75	.89	1.00	15.5	52,800	6050	.76	.91	1.00	14.8	50,500	6840	.78	.93	1.00
	875	1850	16.8	57,200	4730	.74	.89	.99	16.1	55,100	5350	.76	.90	1.00	15.5	53,000	6060	.77	.92	1.00	14.9	50,700	6850	.79	.94	1.00
67°F (19.4°C)	825	1750	17.6	60,000	4790	.57	.71	.84	17.0	57,900	5410	.58	.72	.85	16.3	55,600	6130	.59	.73	.87	15.6	53,200	6930	.59	.75	.89
	850	1800	17.6	60,200	4800	.58	.71	.85	17.0	58,100	5420	.58	.73	.86	16.4	55,800	6130	.59	.74	.88	15.6	53,300	6940	.60	.76	.90
	875	1850	17.7	60,500	4800	.58	.72	.86	17.1	58,300	5420	.59	.73	.87	16.4	56,000	6140	.59	.75	.89	15.7	53,500	6950	.60	.76	.91
71°F (21.7°C)	825	1750	18.7	63,800	4860	.43	.56	.68	18.0	61,500	5500	.43	.56	.70	17.3	59,100	6230	.43	.57	.71	16.6	56,500	7050	.44	.58	.72
	850	1800	18.8	64,000	4870	.43	.56	.69	18.1	61,700	5510	.43	.57	.70	17.4	59,300	6230	.43	.58	.72	16.6	56,700	7060	.44	.59	.73
	875	1850	18.8	64,200	4880	.43	.56	.70	18.1	61,900	5510	.43	.57	.71	17.4	59,500	6240	.44	.58	.72	16.7	56,900	7070	.44	.59	.74

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

### 10HPB48 - 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 Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input							
	L/s	cfm	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW	Btuh	kW			
825	1750	19.5	66,700	4980	15.0	51,200	4440	10.1	34,400	3875	7.5	25,600	3380	3.8	13,100	2500														
850	1800	19.6	66,900	4945	15.1	51,400	4405	10.1	34,600	3840	7.6	25,800	3345	3.9	13,300	2465														
875	1850	19.6	67,000	4895	15.1	51,500	4355	10.2	34,700	3790	7.6	25,900	3295	3.9	13,400	2415														

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

### 10HPB48 - 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			52.9	15.5
60	16			50.3	14.7
55	13			47.7	14.0
50	10			45.1	13.2
47	8			43.5	12.7
45	7			41.6	12.2
40	4			36.7	10.8
35	2			31.9	9.3
30	-1			30.8	9.0
25	-4			29.6	8.7
20	-7			28.5	8.4
17	-8			27.8	8.1
15	-9			26.8	7.9
10	-12			24.1	7.1
5	-15			21.5	6.3
0	-18			18.9	5.5
-5	-21			16.2	4.7
-10	-23				

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB60 — COOLING CAPACITY — CB29M-65 - CB28UH-060

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	755	1600	16.6	56,600	4710	.72	.85	.96	16.0	54,700	5320	.72	.86	.97	15.4	52,500	6020	.74	.88	.99	14.7	50,300	6810	.75	.89	1.00
	850	1800	16.9	57,700	4730	.74	.88	.99	16.3	55,700	5340	.75	.89	1.00	15.7	53,500	6050	.76	.91	1.00	15.0	51,200	6840	.78	.93	1.00
	945	2000	17.2	58,700	4750	.76	.91	1.00	16.6	56,600	5370	.77	.92	1.00	15.9	54,400	6070	.79	.94	1.00	15.3	52,100	6870	.81	.96	1.00
67°F (19.4°C)	755	1600	17.6	60,100	4770	.56	.69	.82	17.0	58,000	5400	.57	.70	.83	16.4	55,800	6110	.57	.71	.84	15.6	53,300	6910	.58	.73	.86
	850	1800	17.9	61,100	4790	.58	.71	.85	17.3	58,900	5420	.58	.73	.86	16.6	56,600	6130	.59	.74	.88	15.9	54,100	6940	.60	.76	.90
	945	2000	18.1	61,900	4810	.59	.74	.88	17.5	59,700	5440	.60	.75	.90	16.8	57,300	6160	.61	.77	.91	16.0	54,700	6970	.62	.79	.93
71°F (21.7°C)	755	1600	18.7	63,900	4850	.42	.54	.66	18.1	61,700	5480	.43	.55	.67	17.4	59,300	6210	.43	.56	.69	16.6	56,700	7030	.43	.57	.70
	850	1800	19.0	64,900	4870	.43	.56	.69	18.3	62,600	5510	.43	.57	.70	17.6	60,200	6230	.43	.58	.72	16.9	57,500	7060	.44	.59	.73
	945	2000	19.3	65,700	4890	.43	.58	.72	18.6	63,300	5520	.44	.58	.73	17.8	60,900	6260	.44	.59	.75	17.1	58,200	7080	.44	.60	.76

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

### 10HPB60 — COOLING CAPACITY — CB30U-51 — CB30M-51

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	660	1400	16.1	54,800	4820	.69	.81	.92	15.5	52,800	5440	.70	.82	.94	14.9	50,700	6150	.71	.84	.95	14.2	48,500	6960	.72	.85	.97
	755	1600	16.5	56,200	4840	.71	.84	.96	15.9	54,100	5470	.72	.86	.97	15.2	51,900	6190	.73	.87	.99	14.5	49,600	7010	.75	.89	1.00
	850	1800	16.8	57,300	4870	.74	.88	.99	16.2	55,200	5500	.75	.89	1.00	15.5	53,000	6230	.76	.91	1.00	14.8	50,600	7040	.78	.93	1.00
67°F (19.4°C)	660	1400	17.1	58,400	4890	.55	.66	.77	16.5	56,300	5530	.55	.67	.79	15.9	54,100	6260	.56	.68	.80	15.2	51,700	7080	.56	.69	.82
	755	1600	17.5	59,700	4920	.56	.69	.81	16.9	57,500	5560	.57	.70	.82	16.2	55,200	6290	.57	.71	.84	15.4	52,700	7120	.58	.72	.86
	850	1800	17.8	60,800	4940	.57	.71	.84	17.1	58,500	5580	.58	.72	.86	16.4	56,100	6320	.59	.74	.88	15.7	53,500	7160	.60	.75	.90
71°F (21.7°C)	660	1400	18.3	62,300	4980	.42	.53	.64	17.6	60,100	5620	.42	.53	.64	16.9	57,700	6370	.42	.54	.65	16.2	55,200	7220	.42	.55	.67
	755	1600	18.6	63,600	5010	.42	.54	.66	18.0	61,300	5660	.43	.55	.67	17.2	58,800	6410	.43	.56	.68	16.5	56,200	7260	.43	.56	.70
	850	1800	18.9	64,600	5030	.43	.56	.69	18.3	62,300	5680	.43	.56	.70	17.5	59,700	6440	.43	.57	.71	16.7	57,000	7290	.44	.58	.73

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

### 10HPB60 — HEATING CAPACITY — CB29M-65 - CB28UH-060

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																-15°F (-28°C)	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)		
	L/s	cfm			kW	Btu/h			kW	Btu/h			kW	Btu/h			kW	Btu/h
660	1400	19.3	65,800	5100	14.6	49,900	4560	9.9	33,700	4030	7.3	24,900	3555	3.6	12,400	2660		
755	1600	19.4	66,300	4895	14.8	50,400	4355	10.1	34,600	3865	7.6	25,800	3390	3.9	13,300	2495		
850	1800	19.6	66,900	4745	14.9	51,000	4205	9.9	35,200	3720	7.7	26,400	3245	4.1	13,900	2350		

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

### 10HPB60 — HEATING CAPACITY — CB30U-51 — CB30M-51

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																-15°F (-28°C)	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Heating Capacity		Comp. Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total<br									

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB60 — COOLING CAPACITY — CB30U-65 — CB30M-65

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb									
		L/s	cfm			kW	Btuhr			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C										
63°F (17.2°C)	780	1650	16.9	57,800	4900	.72	.85	.97	16.3	55,700	5540	.73	.86	.98	15.7	53,500	6270	.74	.88	.99	15.0	51,100	7080	.75	.90	1.00
	850	1800	17.2	58,700	4920	.73	.87	.99	16.6	56,500	5560	.75	.89	1.00	15.9	54,200	6290	.76	.91	1.00	15.2	51,800	7120	.78	.93	1.00
	920	1950	17.4	59,400	4930	.75	.90	1.00	16.8	57,300	5580	.77	.91	1.00	16.1	55,000	6310	.78	.93	1.00	15.4	52,500	7140	.80	.95	1.00
67°F (19.4°C)	780	1650	18.0	61,500	4980	.56	.69	.82	17.4	59,300	5630	.57	.70	.83	16.6	56,800	6370	.58	.71	.85	15.9	54,200	7210	.58	.73	.87
	850	1800	18.3	62,300	5000	.57	.71	.84	17.6	59,900	5650	.58	.72	.86	16.9	57,500	6390	.59	.74	.88	16.1	54,800	7230	.60	.75	.90
	920	1950	18.4	62,900	5010	.58	.73	.87	17.8	60,600	5660	.59	.74	.88	17.0	58,100	6410	.60	.76	.90	16.2	55,400	7260	.61	.77	.92
71°F (21.7°C)	780	1650	19.2	65,500	5060	.42	.55	.67	18.5	63,100	5730	.43	.55	.68	17.7	60,500	6490	.43	.56	.69	16.9	57,800	7350	.43	.57	.70
	850	1800	19.4	66,200	5090	.43	.56	.69	18.7	63,800	5750	.43	.56	.70	17.9	61,200	6510	.43	.57	.71	17.1	58,400	7370	.44	.58	.73
	920	1950	19.6	66,900	5100	.43	.57	.71	18.9	64,400	5760	.43	.58	.72	18.1	61,800	6530	.44	.59	.73	17.3	59,000	7390	.44	.60	.75

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

### 10HPB60 — COOLING CAPACITY — C33-50/60C — C33-60D — C26-51/65

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb									
		L/s	cfm			kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C		kW	Btuhr			75°F 24°C	80°F 27°C	85°F 29°C						
63°F (17.2°C)	755	1600	16.6	56,500	4750	.72	.85	.97	15.8	53,900	5110	.73	.87	.99	15.0	51,100	5470	.75	.89	1.00	14.1	48,200	5840	.77	.92	1.00
	850	1800	16.9	57,600	4800	.75	.89	.99	16.1	55,000	5160	.76	.91	1.00	15.3	52,200	5530	.78	.93	1.00	14.4	49,200	5910	.80	.96	1.00
	945	2000	17.2	58,700	4840	.77	.92	1.00	16.4	56,000	5210	.79	.94	1.00	15.6	53,200	5590	.81	.96	1.00	14.7	50,200	5970	.83	.99	1.00
67°F (19.4°C)	755	1600	17.6	60,100	4900	.56	.69	.82	16.8	57,300	5280	.57	.71	.84	15.9	54,300	5660	.58	.72	.86	15.0	51,100	6040	.59	.75	.89
	850	1800	17.9	61,100	4940	.58	.72	.86	17.1	58,200	5330	.59	.74	.88	16.2	55,200	5710	.60	.76	.90	15.2	52,000	6100	.61	.78	.93
	945	2000	18.2	62,000	4980	.60	.75	.89	17.3	59,100	5370	.61	.77	.91	16.4	55,900	5760	.62	.79	.94	15.4	52,700	6140	.63	.81	.96
71°F (21.7°C)	755	1600	18.8	64,000	5070	.43	.55	.67	17.9	61,100	5470	.43	.56	.68	17.0	58,000	5880	.43	.57	.70	16.0	54,700	6280	.43	.58	.72
	850	1800	19.1	65,100	5110	.43	.56	.70	18.2	62,100	5520	.43	.57	.71	17.3	58,900	5930	.44	.58	.73	16.3	55,500	6330	.44	.60	.75
	945	2000	19.3	66,000	5150	.44	.58	.72	18.4	62,900	5560	.44	.59	.74	17.5	59,600	5970	.44	.60	.76	16.4	56,000	6380	.45	.62	.79

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

### 10HPB60 — HEATING CAPACITY — CB30U-65 — CB30M-65

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																-15°F (-28°C)	
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
	Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity		Comp. Motor Watts Input		Total Heating Capacity	
	L/s	cfm	kW	Btuhr	kW	Btuhr	kW	Btuhr	kW	Btuhr	kW	Btuhr	kW	Btuhr				
615	1300	18.9	64,400	5385	14.5	49,500	4865	9.8	33,400	4330	7.3	25,000	3805	3.7	12,400	3245	12,600	2865
710	1500	19.0	64,900	5130	14.7	50,000	4610	9.9	33,900	4075	7.5	25,500	3550	3.8	12,800	2435	13,100	2610
800	1700	19.2	65,500	4950	14.8	50,600	4430	10.1	34,500	3895	7.6	26,100	3370	4.0	13,700	2430	13,900	2435

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

### 10HPB60 — HEATING PERFORMANCE CB30U/CB30M-65 at 1800 cfm (850 L/s)

*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
°F	°C	Btuhr	kW	Btuhr	kW
65	18	4810	66,700	19.5	
60	16	4690	63,200	18.5	
55	13	4575	59,700	17.5	
50	10	4460	56,100	16.4	
47	8	4390	54,000	15.8	
45	7	4290	50,900	14.9	
40	4	4045	43,000	12.6	
35	2	3800	35,100	10.3	
30	-1	3770	34,500	10.1	
25	-4	3740	33,800	9.9	
20	-7	3710	33,200	9.7	
17	-8	3690	32,800	9.6	
15	-9	3645	31,400	9.2	
10	-12	3530	27,900	8.2	
5	-15	3310	24,900	7.3	
0	-18	3090	21,800	6.4	
-5	-21	2870	18,800	5.5	
-10	-23	2650	15,800	4.6	
-15	-26	2435	12,800	3.8	
-20	-29	2215	9,800	2.9	

\*Outdoor temperature 70% relative humidity. Indoor temperature 7

## RATINGS

Note — For temperatures and capacities not shown on tables, see bulletin — Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

### 10HPB60 — COOLING CAPACITY — CR26-60W Only

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	755	1600	16.3	55,700	4650	.72	.85	.97	15.6	53,200	5000	.73	.87	.98	14.8	50,600	5360	.75	.89	1.00	14.0	47,700	5720	.77	.92	1.00
	850	1800	16.6	56,800	4700	.74	.88	.99	15.9	54,300	5060	.76	.90	1.00	15.1	51,600	5420	.78	.93	1.00	14.3	48,700	5780	.80	.95	1.00
	945	2000	16.9	57,800	4740	.77	.92	1.00	16.2	55,200	5100	.78	.93	1.00	15.4	52,500	5470	.80	.96	1.00	14.5	49,600	5840	.83	.98	1.00
67°F (19.4°C)	755	1600	17.4	59,300	4800	.56	.69	.82	16.6	56,600	5170	.57	.71	.84	15.8	53,800	5540	.58	.72	.86	14.9	50,700	5910	.59	.74	.88
	850	1800	17.7	60,300	4840	.58	.72	.85	16.9	57,500	5210	.59	.73	.87	16.0	54,600	5590	.60	.75	.90	15.1	51,400	5970	.61	.77	.92
	945	2000	17.9	61,100	4870	.59	.74	.89	17.1	58,300	5250	.60	.76	.91	16.2	55,200	5630	.61	.78	.93	15.3	52,100	6010	.63	.81	.95
71°F (21.7°C)	755	1600	18.5	63,200	4960	.42	.55	.67	17.7	60,400	5350	.43	.55	.68	16.8	57,300	5750	.43	.56	.70	15.9	54,100	6140	.43	.58	.72
	850	1800	18.8	64,200	5000	.43	.56	.69	18.0	61,300	5400	.43	.57	.71	17.1	58,200	5790	.44	.58	.73	16.1	54,800	6190	.44	.60	.75
	945	2000	19.0	65,000	5030	.43	.58	.72	18.2	62,000	5430	.44	.59	.74	17.2	58,800	5830	.44	.60	.76	16.2	55,400	6240	.45	.62	.78

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

### 10HPB60 — COOLING CAPACITY — CH33-48C-F — CH33-60D-F — CH23-65

Enter- ing Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
		85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)												
		Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)	Total Cooling Capacity		Com- pressor Motor Watts Input	Sensi- ble To Total Ratio (S/T)									
		L/s	cfm			kW	Btu/h			75°F 24°C	80°F 27°C	85°F 29°C	kW	Btu/h	75°F 24°C		80°F 27°C	85°F 29°C								
63°F (17.2°C)	850	1800	16.6	56,600	4830	.74	.88	.99	16.0	54,600	5470	.75	.90	1.00	15.4	52,500	6180	.77	.92	1.00	14.7	50,200	7000	.79	.94	1.00
	945	2000	16.9	57,600	4850	.77	.92	1.00	16.3	55,500	5490	.78	.93	1.00	15.6	53,400	6210	.80	.95	1.00	15.0	51,100	7030	.81	.97	1.00
	1040	2200	17.1	58,500	4870	.79	.94	1.00	16.5	56,400	5510	.81	.96	1.00	15.9	54,200	6230	.82	.97	1.00	15.2	52,000	7070	.84	.99	1.00
67°F (19.4°C)	850	1800	17.6	59,900	4900	.58	.72	.85	16.9	57,700	5540	.59	.73	.87	16.2	55,400	6270	.59	.75	.89	15.5	52,900	7100	.60	.76	.91
	945	2000	17.8	60,700	4920	.59	.75	.89	17.1	58,500	5560	.60	.76	.90	16.4	56,100	6290	.61	.77	.92	15.7	53,600	7120	.62	.79	.94
	1040	2200	18.0	61,400	4930	.61	.77	.92	17.3	59,100	5580	.62	.79	.93	16.6	56,700	6310	.63	.80	.95	15.9	54,100	7150	.64	.82	.97
71°F (21.7°C)	850	1800	18.6	63,600	4980	.43	.56	.70	18.0	61,300	5630	.43	.57	.71	17.3	58,900	6380	.44	.58	.72	16.5	56,300	7220	.44	.59	.74
	945	2000	18.9	64,400	5000	.44	.58	.72	18.2	62,000	5650	.44	.59	.74	17.4	59,500	6400	.44	.60	.75	16.7	56,900	7250	.45	.61	.77
	1040	2200	19.0	65,000	5020	.44	.60	.75	18.3	62,600	5670	.44	.61	.77	17.6	60,100	6420	.45	.62	.78	16.8	57,400	7270	.45	.63	.80

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

### 10HPB60 — HEATING CAPACITY — CR26-60W Only

Indoor Coil Air Volume 70°F db (21°C db)	Total Heating Capacity	Air Temperature Entering Outdoor Coil																	
		65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-28°C)	
		Total Heating Capacity		Comp. Motor Watts Input	Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Comp. Motor Watts Input	Total Heating Capacity	
		L/s	cfm			kW	Btu/h			kW	Btu/h			kW	Btu/h			kW	Btu/h
71°F (21.7°C)	755	1600	19.7	67,300	5005	15.3	52,100	4155	10.7	36,600	3270	6.8	23,200	2710	3.3	11,400	2055		
	850	1800	20.0	68,100	4930	15.5	53,000	4080	11.0	37,500	3195	7.1	24,100	2635	3.6	12,300	1980		
	945	2000	20.1	68,600	4875	15.7	53,500	4025	11.1	38,000	3135	7.2	24,600	2575	3.8	12,800	1920		

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

### 10HPB60 — HEATING CAPACITY — CH33-48C-F - CH33-60D-F — CH23-65 at 2000 cfm (945 L/s)

Indoor Coil Air Volume 70°F db (21°C db)	Compressor Motor Watts Input	Air Temperature Entering Outdoor Coil																*Outdoor Temperature		Compressor Motor Watts Input		Total Output	
		*Outdoor Temperature				Compressor Motor Watts Input				Total Output				*Outdoor Temperature				Compressor Motor Watts Input		Total Output			
		°F		°C		Btu/h		kW		°F		°C		Btu/h		kW		°F		°C			