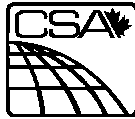


### ENGINEERING DATA

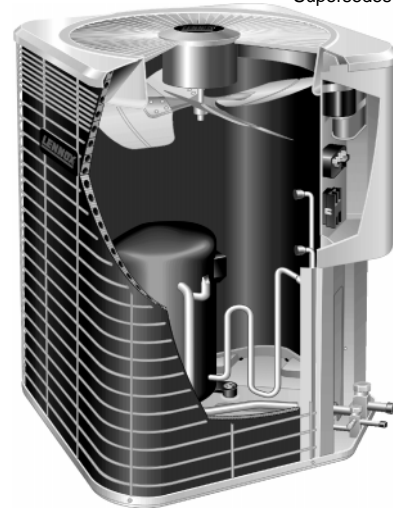
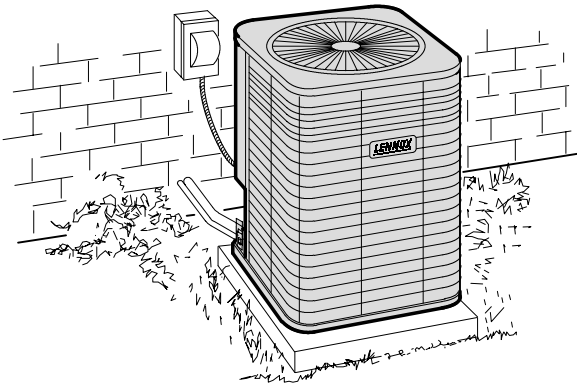


CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI



VERIFIED ENERGY PERFORMANCE

#### Typical Application



### FEATURES

#### Applications

- SEER up to 11.3.
- 3 through 5+ ton (10.6 through 17.6+ kW) matches with TXV, 3 through 4 ton (10.6 through 14.0 kW) matches with RFC.
- Three phase power supply.
- Vertical air discharge allows concealment behind shrubs at grade level or out of sight on a roof.
- Matching blower powered or add-on furnace evaporator units provide a wide range of cooling capacities and applications. See ARI Ratings table.
- For evaporator unit data, see Coils - Blower Coil Units, this section.
- Units shipped completely factory assembled, piped and wired. Each unit is test operated at the factory insuring proper operation.
- Installer must set condensing unit, connect refrigerant lines and make electrical connections to complete job.

#### Approvals

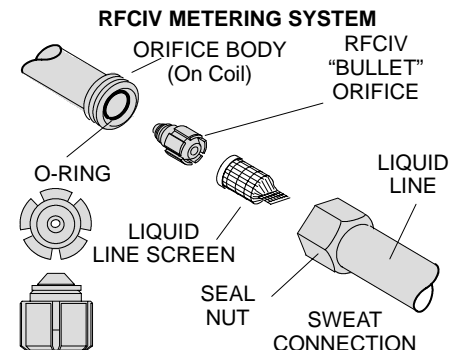
- Rated in accordance with ARI Standard 210/240-94.
- Sound rated in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95.
- Tested in the Lennox Research Laboratory environmental test room.
- Rated according to U.S. Department of Energy (DOE) test procedures.
- Units and components within bonded for grounding to meet safety standards for servicing required by UL, NEC and CEC.
- Units are U.L. listed and U.L.C. certified.
- Energy rating verified by C.S.A.
- Developed in accordance with ISO 9000 quality standards.

#### Equipment Warranty

- Compressor - five years (non-residential applications).
- All other covered components - one year (non-residential applications).
- Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

#### Refrigerant Flow Control

- Units applicable to expansion valve systems or RFC systems when matched with specific evaporator coils.
- RFCIV:
  - Accurately meters refrigerant in system.
  - Refrigerant control is accomplished by exact sizing of refrigerant metering orifice.
  - The principle involves matching evaporator coil with proper bore size of orifice in metering device.
  - Equalizes pressure shortly after compressor stops, unit starts unloaded, eliminating need for additional controls.
  - Furnished with condensing unit.



## FEATURES

### Unit 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 are provided in base section for moisture removal.

### Compressor

- 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.

### 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.

### Condenser Fan

- Direct drive fan moves large air volumes uniformly through entire condenser 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.
- Rain shield on motor provides additional protection from moisture.
- Louvered steel top fan guard furnished as standard.
- Fan service access accomplished by removal of top panel.

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

- Sweat connection suction 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.
- Field installed thermometer well furnished for installation in the liquid line to check refrigerant charge.
- Refrigerant line connections and field wiring inlets are located in one central area of cabinet for easy access. See dimension drawing.

## OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

### Thermostat

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

### Expansion Valve Kits (Optional For Expansion Valve Systems)

- Must be ordered extra and field installed on certain evaporator units. See ARI Ratings table.

### Low Ambient Kit (Optional For Expansion Valve Systems Only)

- Condensing units operate satisfactorily down to 45°F (7°C) outdoor air temperature without any additional controls.
- Low Ambient Control Kit LB-57113BC (24H77) can be field installed, allowing unit operation down to 30°F (-1°C).

### Refrigerant Line Kits

- Refrigerant lines (suction & 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.
- See Refrigerant Line Kit table for selection.
- Kits are not available for HS29-060-062 models and must be field fabricated.

### Unit Stand-Off Kit

- Black high density polyethylene feet (94J45) are available to raise unit off of mounting surface away from damaging moisture.
- Four feet are furnished per order number.

### Timed-Off Control

- Kit LB-50709BK (47J27) 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.

### Hail Guards

- Constructed of louvered heavy gauge steel painted to match cabinet.
- Surrounds unit on all four sides to prevent damage to the coil.
- See Specifications table for catalog number.

### Mounting Base

- MB2-S (69J06) 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 condensing units.
- 22-1/4 x 22-1/4 x 3 in. (565 x 565 x 76 mm) shipping weight 6 lbs. (3 kg) each.

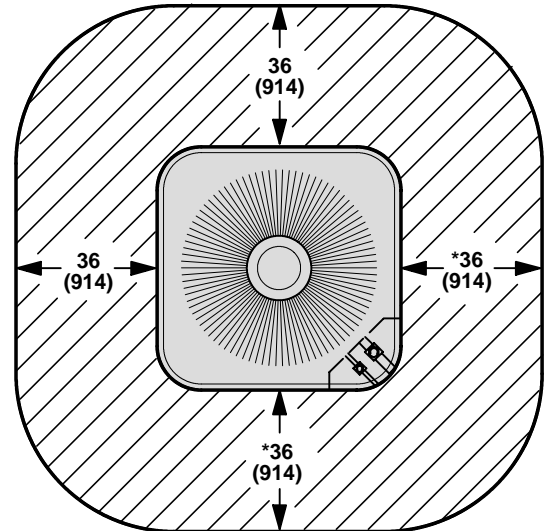
### Compressor Monitor (Optional for Canada Only)

- Compressor monitor T6-1469 (45F08) can be field installed.
- Non-adjustable switch (low ambient cut-out) prevents compressor operation when outdoor temperature is below 35°F (2°C).

## REFRIGERANT LINE KITS

Condensing Unit Model No.	Line Set Model No.	Length of Lines		Liquid Line Outside Dia.		Suction Line Outside Dia.	
		ft.	m	in.	mm	in.	mm
HS29-036	L15-41-20	20	6	3/8	9.5	3/4	19
	L15-41-30	30	9				
	L15-41-40	40	12				
	L15-41-50	50	15				
HS29-042 HS29-048	L15-65-30	30	9	3/8	9.5	7/8	22.2
	L15-65-40	40	12				
	L15-65-50	50	15				
HS29-060 HS29-062	Field Fabricate		3/8	9.5	1-1/8	28.5	

## INSTALLATION CLEARANCES - IN. (MM)



**NOTE** — 48 inch (1219 mm) clearance required on top of unit.  
**\*NOTE** — One side must be 36 inches (914 mm) for service.  
 Two of the remaining three sides may be 12 inches (305 mm).

## SPECIFICATIONS

Model No.		HS29-036	HS29-042	HS29-048	HS29-060	HS29-062	
Nominal Tonnage (kW)		3 (10.5)	3.5 (12.3)	4 (14.0)	5 (17.5)	5+ (17.5+)	
Liquid line — in. (mm) o.d. connection (sweat)		3/8 (9.5)					
Suction line — in. (mm) o.d. connection (sweat)		3/4 (19.1)	7/8 (22.2)		1-1/8 (28.6)		
*Refrigerant charge furnished (HCFC-22)		4 lbs. 9 oz. (2.07 kg)	5 lbs. 10 oz. (2.55 kg)	6 lbs. 1 oz. (2.75 kg)	7 lbs. 10 oz. (3.46 kg)	8 lbs. 3 oz. (3.71 kg)	
Condenser Coil	Net face area - sq. ft. (m <sup>2</sup> )	Outer coil	15.11 (1.40)				21.11 (1.96)
		Inner coil	---	5.40 (0.50)		14.40 (1.34)	20.3 (1.89)
	Tube diameter — in. (mm) & no. of rows		5/16 (7.9) — 1	5/16 (7.9) — 1.37		5/16 (7.9) — 2	5/16 (7.9) — 2
	Fins per inch (m)		22 (866)	18 (748)		22 (866)	
Condenser Fan	Diameter — in. (mm) & no. of blades		18 (457) — 4				
	Motor hp (W)		1/6 (124)		1/3 (249)		
	Cfm (L/s)		2520 (1190)	2610 (1232)	3115 (1470)	3010 (1420)	2930 (1385)
	Rpm		1100	1105	1125	1125	1100
	Watts		200	200	325	315	310
Shipping weight — lbs. (kg) 1 package		145 (66)	158 (72)	191 (87)	207 (94)	254 (115)	

## OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

Low Ambient Control kit- For expansion valve systems only	LB-57113BC (24H77)
Timed-off Control	LB-50709BK (47J27)
Unit Stand Off Kit	94J45
Mounting Base	MB2-S (69J06)
Hail Guards	17L73
Compressor Monitor (Optional for Canada Only)	T6-1469 (45F08)

\*Refrigerant charge sufficient for 20 ft. (6.0 m) length of refrigerant lines.

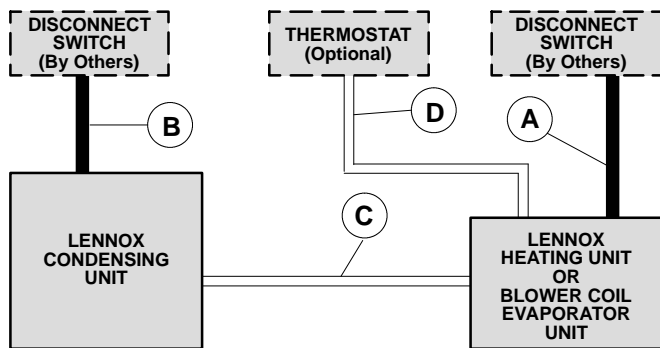
## ELECTRICAL DATA

Model No.		HS29-036		HS29-042		HS29-048			HS29-060			HS29-062	
Line voltage data — 60 hz - 3 phase		208/230v	460v	208/230v	460v	208/230v	460v	575v	208/230v	460v	575v	208/230v	460v
Rec. maximum fuse or circuit breaker size (amps)		20	10	25	15	30	15	10	40	20	15	40	20
*Minimum circuit ampacity		14.0	6.9	16.6	8.6	18.8	10.2	8.2	23.5	12.2	9.8	23.5	12.2
Compressor	Rated load amps	10.3	5.1	12.4	6.4	13.5	7.4	5.8	17.3	9.0	7.1	17.3	9
	Power factor	.83		.93		.88			.86				
	Locked rotor amps	77.0	39.0	88.0	44.0	91.0	49.0	40.0	128.0	64.0	50.0	137	62
Condenser Coil Fan Motor	Full load amps	1.1	0.55	1.1	0.55	1.9	0.9	0.9	1.9	0.9	0.9	1.9	0.9
	Locked rotor amps	1.9	1.0	1.9	1.0	4.1	2.1	2.1	4.1	2.1	2.1	4.1	2.1

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

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

# FIELD WIRING

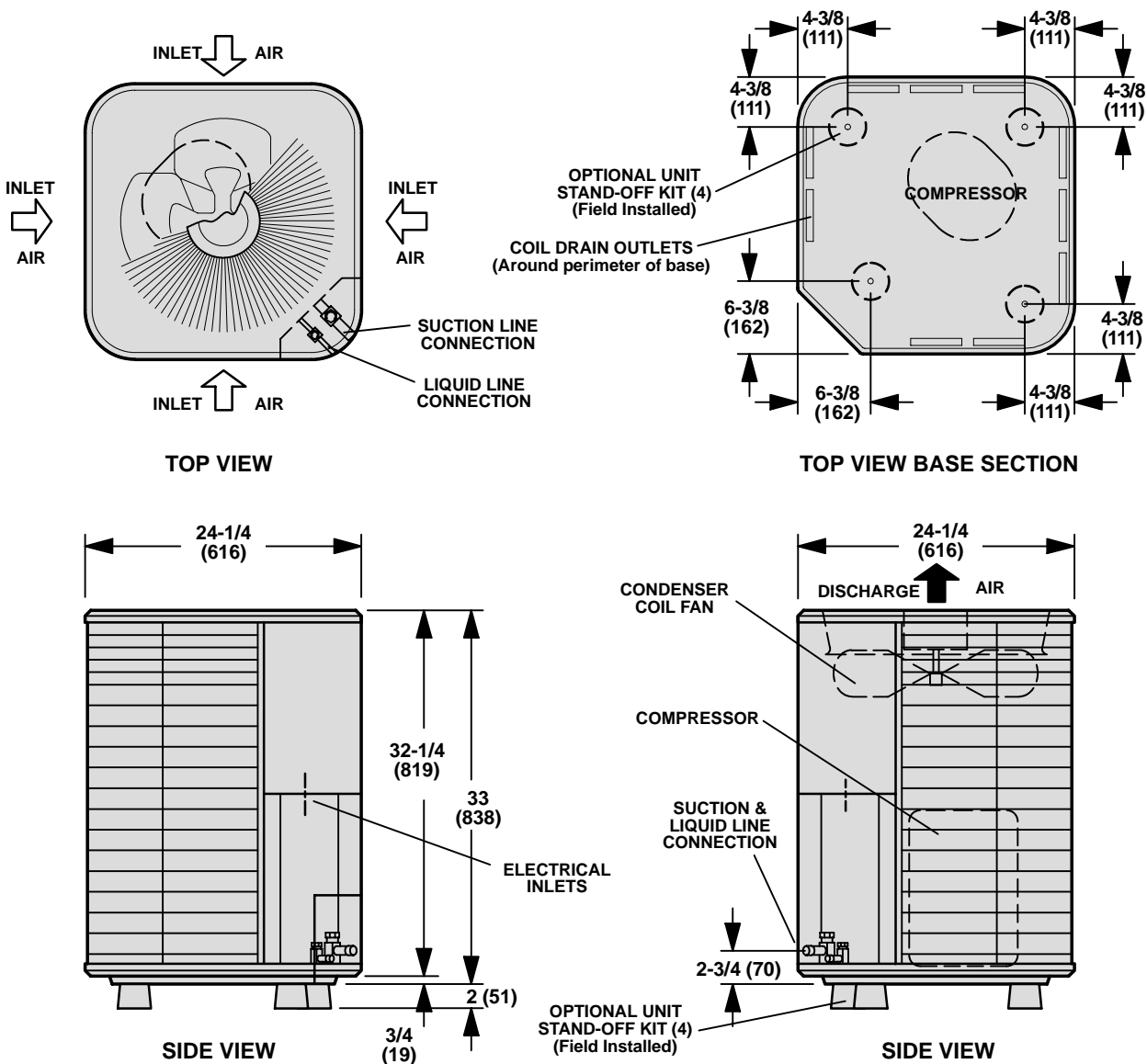


- A — Two or Three Wire Power
- B — Three Wire Power — See Electrical Data
- C — Two Wire Low Voltage — 18 ga. minimum
- D — Four Wire Low Voltage (Electro-Mechanical) 18 ga. minimum  
Five Wire Low Voltage (Electronic) 18 ga. minimum

NOTE — Field Wiring Not Furnished

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

# DIMENSIONS - IN. (MM)



## ARI RATINGS - RFCIV SYSTEMS

Unit Size & Model No. *Sound Rating Number (db)	★ARI Standard 210/240 Ratings					Up-Flow	Down-Flow	Horizontal	**RFCIV Metering Orifice Size Required
	Cooling Cap.		SEER	EER	Total Unit Watts				
	Btuh	kW							
3 Ton HS29-036 (78)	34,000	10.0	10.00	9.50	3615	☐C23-41	----	----	0.073 (42J48)
	35,200	10.3	10.00	9.55	3685	C23-46	----	----	
	36,400	10.7	10.00	9.75	3740	C23-51	----	----	
	35,600	10.4	10.00	9.75	3655	----	CR26-41	----	
	35,400	10.4	10.00	9.60	3695	----	----	CH23-41	
3.5 Ton HS29-042 (82)	39,000	11.4	10.00	9.10	4290	☐C23-46	----	----	0.078 (42J51)
	40,500	11.9	10.00	9.25	4380	C23-51	----	----	
	40,500	11.9	10.00	9.35	4335	----	CR26-51	----	
	39,500	11.6	10.00	9.20	4305	----	----	CH23-41	
	40,000	11.7	10.00	9.20	4355	----	----	CH23-51	
4 Ton HS29-048 (84)	46,000	13.5	10.00	9.25	4960	☐C23-51	----	----	0.086 (42J55)
	47,000	13.8	10.00	9.35	5020	C23-51/65	----	----	
	46,000	13.5	10.00	9.25	4975	----	CR26-51	----	
	46,500	13.6	10.00	9.30	5010	----	CR26-65	----	
	45,500	13.3	10.00	9.15	4970	----	----	CH23-51	
	46,000	13.5	10.00	9.20	4990	----	----	CH23-65	

★Rated in accordance with ARI Standard 210/240; 95°F (35°C) outdoor air temperature, 80°F (27°C) db / 67°F (19°C) wb entering evaporator air with 25 ft. (7.6 m) of connecting refrigerant lines.

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

\*\*RFCIV metering device furnished with HS29 condensing unit for field installation in evaporator coil.

☐ Most popular evaporator coil.

## ARI RATINGS - EXPANSION VALVE SYSTEMS

Unit Size & Model No. *Sound Rating Number (db)	★ARI Standard 210/240 Ratings					Up-Flow	Down-Flow	Horizontal	**Expansion Valve Kit Required
	Cooling Cap.		SEER	EER	Total Unit Watts				
	Btuh	kW							
3 Ton HS29-036 (76)	34,000	10.0	10.00	9.40	3620	C23-41	----	----	LB-85663L (26K49)
	34,800	10.2	10.00	9.80	3560	C26-31	----	----	●Factory Installed
	35,400	10.4	10.00	9.60	3685	C23-46	----	----	LB-85663L (26K49)
	36,200	10.6	10.00	9.80	3700	C26-41	----	----	●Factory Installed
	36,600	10.7	10.00	9.85	3725	C26-46	----	----	●Factory Installed
	36,800	10.8	10.00	9.85	3740	C23-51	----	----	●Factory Installed
	35,800	10.5	10.00	9.80	3655	----	CR26-41	----	LB-85663L (26K49)
	35,600	10.4	10.00	9.65	3695	----	----	CH23-41	Valve
	<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Blower Coil Units</b>			<b>Valve</b>
	33,400	9.8	10.05	9.40	3560	CB29M-31 (Multi-Position)			●Factory Installed
	34,000	10.0	10.05	9.25	3675	CB29M-41 (Multi-Position)			
	35,000	10.3	10.80	9.65	3625	CB30M-31 (Multi-Position)			
						CB30U-31	----	----	
	36,000	10.5	10.50	9.60	3750	CB29M-46 (Multi-Position)			
	36,400	10.7	10.30	9.50	3830	CB30M-41 (Multi-Position)			
						CB30U-41/46	----	----	
	36,400	10.7	10.50	10.00	3645	CB30M-46 (Multi-Position)			
	36,400	10.7	10.50	10.10	3600	CB31MV-41 (Multi-Position)			
	37,000	10.8	10.70	10.10	3660	CB30M-51 (Multi-Position)			
						CB30U-51	----	----	
37,400	11.0	11.05	10.55	3535	CB31MV-51 (Multi-Position)				
35,400	10.4	10.00	9.65	3675	☐CVP10-41/EC10Q3	----	----	Valve	
					☐CVP10-46/EC10Q4	----	----		
3.5 Ton HS29-042 (82)	<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Evaporator Coils</b>			<b>Valve</b>
	39,000	11.4	10.00	9.05	4305	C23-46	----	----	LB-85663K (26K35)
	39,000	11.4	10.00	9.30	4200	C26-41	----	----	●Factory Installed
	40,500	11.9	10.00	9.25	4370	C26-46	----	----	●Factory Installed
	41,000	12.0	10.00	9.35	4380	C23-51	----	----	LB-85663K (26K35)
	41,000	12.0	10.00	9.30	4415	C26-51/65	----	----	●Factory Installed
	40,500	11.9	10.00	9.35	4335	----	CR26-51	----	LB-85663K (26K35)
	39,500	11.6	10.00	9.20	4295	----	----	CH23-41	Valve
	40,500	11.9	10.00	9.30	4355	----	----	CH23-51	
	<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Blower Coil Units</b>			<b>Valve</b>
	39,500	11.6	10.30	9.35	4220	CB30M-41 (Multi-Position)			●Factory Installed
	39,500	11.6	10.35	9.40	4205	CB31MV-41 (Multi-Position)			
	40,000	11.7	10.20	9.05	4425	CB29M-46 (Multi-Position)			
	40,500	11.9	10.05	9.05	4485	CB29M-51 (Multi-Position)			
						CB30M-46 (Multi-Position)			
41,000	12.0	10.50	9.60	4280	CB30U-41/46	----	----		
					CB30M-51 (Multi-Position)				
41,500	12.2	10.60	9.65	4300	CB30U-51	----	----		
42,000	12.3	10.60	10.00	4200	CB31MV-51 (Multi-Position)				
39,000	11.4	10.00	9.05	4305	☐CVP10-46/EC10Q4	----	----	Valve	
39,500	11.6	10.00	9.20	4285	☐CVP10-51/EC10Q4	----	----		

★Rated in accordance with ARI Standard 210/240; 95°F (35°C) outdoor air temperature, 80°F (27°C) db / 67°F (19°C) wb entering evaporator air with 25 ft. (7.6 m) of connecting refrigerant lines.

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

\*\*Kit is required and must be ordered extra, unless shown as factory installed.

●Furnished as standard with coil.

☐Canada Only

Continued on Next Page ▶

HS29 3 phase / Page 5 ▶

## ARI RATINGS - EXPANSION VALVE SYSTEMS

Unit Size & Model No. *Sound Rating Number (db)	★ARI Standard 210/240 Ratings					Up-Flow	Down-Flow	Horizontal	**Expansion Valve Kit Required	
	Cooling Cap.		SEER	EER	Total Unit Watts					Evaporator Coils
	Btuh	kW				Evaporator Coils	Evaporator Coils	Evaporator Coils		
<b>4 Ton</b> HS29-048 (84)	43,500	12.7	10.00	9.20	4730	C26-41	----	----	●Factory Installed	
	45,000	13.2	10.00	9.25	5705	C26-46	----	----		
	46,000	13.5	10.00	9.25	4980	C23-51	----	----	LB-85663K (26K35)	
	46,000	13.5	10.00	9.25	4975	C26-51/65	----	----	●Factory Installed	
	47,000	13.8	10.00	9.35	5020	C23-51/65	----	----	LB-85663K (26K35)	
	48,000	14.1	10.00	9.50	5065	C26-65EAP	----	----	●Factory Installed	
	46,000	13.5	10.00	9.25	4975	----	CR26-51	----	LB-85663K (26K35)	
	46,500	13.6	10.00	9.30	5010	----	CR26-65	----		
	45,500	13.3	10.00	9.15	4970	----	----	CH23-51		
	46,000	13.5	10.00	9.20	4990	----	----	CH23-65		
	48,000	14.1	10.00	9.50	5065	----	----	CH23-68		
		<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Blower Coil Units</b>			<b>Valve</b>
	43,500	12.7	10.20	9.35	4655	CB30M-41 (Multi-Position)			●Factory Installed	
	43,500	12.7	10.25	9.35	4640	CB31MV-41 (Multi-Position)				
	45,000	13.2	10.05	9.00	5000	CB29M-51 (Multi-Position)				
	45,000	13.2	10.50	9.50	4725	CB30M-46 (Multi-Position)				
						CB30U-41/46	----	----		
	45,500	13.3	10.00	9.0	5050	CB29M-65 (Multi-Position)				
	46,000	13.5	10.50	9.45	4855	CB30M-51 (Multi-Position)				
						CB30U-51	----	----		
46,000	13.5	10.60	9.55	4805	CB31MV-51 (Multi-Position)					
46,500	13.6	10.50	9.35	4965	CB30M-65 (Multi-Position)					
					CB30U-65	-----	----			
47,000	13.8	10.70	9.60	4885	CB31MV-65 (Multi-Position)					
44,500	13.0	10.00	9.05	4915	☒CVP10-51/EC10Q4	----	----			
45,500	13.3	10.00	9.15	4965	☒CVP10-65/EC10Q5	----	----			
<b>5 Ton</b> HS29-060 (84)	<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Evaporator Coils</b>				<b>Valve</b>
	55,500	16.3	10.00	8.85	6285	C26-51/65	----	----	●Factory Installed	
	57,500	16.8	10.00	9.20	6245	☐C23-51/65	----	----	LB-85663K (26K35)	
	58,500	17.1	10.00	9.35	6270	C26-65EAP	----	----	●Factory Installed	
	55,500	16.3	10.00	9.30	5980	----	CR26-51	----	LB-85663K (26K35)	
	57,500	16.8	10.00	9.50	6060	----	CR26-65	----		
	58,000	17.0	10.00	9.30	6250	----	----	CH23-65		
	58,500	17.1	10.00	9.35	6270	----	----	CH23-68		
		<b>Btuh</b>	<b>kW</b>	<b>SEER</b>	<b>EER</b>	<b>Watts</b>	<b>Blower Coil Units</b>			<b>Valve</b>
	55,000	16.1	10.05	8.65	6360	CB29M-51 (Multi-Position)			●Factory Installed	
	55,500	16.3	10.05	8.80	6315	CB29M-65 (Multi-Position)				
	56,000	16.4	10.50	9.45	5915	CB30M-51 (Multi-Position)				
						CB30U-51	----	----		
	56,000	16.4	10.60	9.55	5865	CB31MV-51 (Multi-Position)				
	57,500	16.8	10.50	9.30	6190	CB30M-65 (Multi-Position)				
CB30U-65						----	----			
57,500	16.8	10.60	9.35	6155	CB31MV-65 (Multi-Position)					
54,500	16.0	10.00	9.20	5935	☒CVP10-51/EC10Q4	----	----			
56,000	16.4	10.00	9.30	6010	☒CVP10-65/EC10Q5	----	----			

★Rated in accordance with ARI Standard 210/240; 95°F (35°C) outdoor air temperature, 80°F (27°C) db / 67°F (19°C) wb entering evaporator air with 25 ft. (7.6 m) of connecting refrigerant lines.

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

\*\*Kit is required and must be ordered extra, unless shown as factory installed.

●Furnished as standard with coil.

☒Canada Only

**Continued on Next Page ►**

## ARI RATINGS - EXPANSION VALVE SYSTEMS

Unit Size & Model No. *Sound Rating Number (db)	★ARI Standard 210/240 Ratings					Up-Flow	Down-Flow	Horizontal	**Expansion Valve Kit Required	
	Cooling Cap.		SEER	EER	Total Unit Watts					Evaporator Coils
	Btuh	kW				C26-51/65	C23-51/65	C26-65EAP		
5 Ton + HS29-062 (82)	58,500	17.1	10.05	9.60	6085	C26-51/65	----	----	●Factory Installed	
	60,000	17.6	10.25	9.80	6115	ⓂC23-51/65	----	----	LB-85663K (26K35)	
	62,500	18.3	10.50	10.00	6255	C26-65EAP	----	----	●Factory Installed	
	55,500	16.3	10.00	9.15	6055	----	CR26-51	----	LB-85663K (26K35)	
	58,500	17.1	10.00	9.40	6235	----	CR26-65	----		
	59,000	17.3	9.45	9.45	6245	----	----	CH23-65		
	62,500	18.3	10.75	10.05	6230	----	----	CH23-68		
	<b>Btuh</b> <b>kW</b> <b>SEER</b> <b>EER</b> <b>Watts</b>						<b>Blower Coil Units</b>			<b>Valve</b>
	58,000	17.0	11.05	10.60	5460	CB30M-51 (Multi-Position)			●Factory Installed	
	58,000	17.0	11.05	10.60	5460	CB30U-51	----	----		
	58,000	17.0	11.10	10.70	5410	CB31MV-51 (Multi-Position)				
	59,000	17.3	10.05	9.85	5995	CB29-65 (Multi-Position)				
	59,500	17.4	11.05	10.50	5665	CB30M-65 (Multi-Position)				
	59,500	17.4	11.05	10.50	5665	CB30U-65	----	----		
	60,000	17.6	11.30	10.65	5635	CB31MV-65 (Multi-Position)				
	58,000	17.0	10.00	9.40	6170	ⓂCVP10-65/EC10Q5	----	----		

★Rated in accordance with ARI Standard 210/240; 95°F (35°C) outdoor air temperature, 80°F (27°C) db / 67°F (19°C) wb entering evaporator air with 25 ft. (7.6 m) of connecting refrigerant lines.

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

\*\*Kit is required and must be ordered extra, unless shown as factory installed.

●Furnished as standard with coil.

ⓂMost popular evaporator coil.

Ⓜ Canada Only

## RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

### HS29-036 — C23-41 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	450	950	10.0	34,100	2700	.71	.85	.96	9.5	32,400	2890	.73	.87	.98	9.0	30,700	3060	.74	.89	.99	8.5	28,900	3220	.77	.91	1.00
	520	1100	10.3	35,000	2720	.74	.88	.99	9.8	33,300	2920	.76	.91	1.00	9.2	31,500	3100	.78	.93	1.00	8.7	29,600	3260	.80	.95	1.00
	590	1250	10.5	35,700	2750	.77	.92	1.00	10.0	34,000	2950	.79	.94	1.00	9.4	32,200	3130	.81	.96	1.00	8.9	30,300	3300	.84	.98	1.00
67°F (19.4°C)	450	950	10.7	36,400	2770	.56	.69	.81	10.1	34,600	2980	.57	.70	.83	9.6	32,800	3160	.58	.72	.85	9.0	30,800	3330	.59	.74	.88
	520	1100	10.9	37,200	2800	.58	.72	.85	10.4	35,400	3000	.59	.73	.87	9.8	33,400	3190	.60	.75	.90	9.2	31,400	3360	.61	.78	.92
	590	1250	11.1	37,900	2820	.59	.75	.89	10.6	36,000	3030	.60	.77	.91	9.9	33,900	3220	.62	.79	.94	9.3	31,900	3390	.63	.81	.96
71°F (21.7°C)	450	950	11.4	39,000	2860	.42	.54	.66	10.9	37,100	3070	.43	.55	.67	10.3	35,100	3270	.43	.56	.69	9.7	33,000	3450	.43	.57	.71
	520	1100	11.7	39,800	2880	.43	.56	.69	11.1	37,800	3100	.43	.57	.71	10.5	35,800	3300	.44	.58	.73	9.8	33,600	3480	.44	.60	.75
	590	1250	11.8	40,400	2900	.43	.58	.72	11.3	38,400	3120	.44	.59	.74	10.6	36,300	3330	.44	.60	.76	10.0	34,100	3510	.45	.62	.79

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

### HS29-036 — C26-31 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	360	760	9.9	33,900	2740	.68	.79	.90	9.4	32,200	2930	.69	.81	.92	8.9	30,400	3110	.70	.83	.94	8.4	28,500	3270	.72	.85	.97
	455	960	10.4	35,500	2790	.72	.85	.96	9.9	33,700	2990	.73	.87	.98	9.3	31,800	3180	.75	.89	1.00	8.8	29,900	3350	.77	.92	1.00
	545	1160	10.8	36,800	2830	.76	.90	1.00	10.2	34,900	3040	.77	.92	1.00	9.6	32,900	3240	.80	.95	1.00	9.1	30,900	3410	.82	.97	1.00
67°F (19.4°C)	360	760	10.7	36,400	2820	.54	.65	.76	10.1	34,600	3030	.55	.66	.77	9.6	32,700	3220	.55	.67	.79	9.0	30,700	3390	.56	.69	.82
	455	960	11.1	38,000	2880	.56	.69	.81	10.6	36,000	3090	.57	.70	.83	10.0	34,000	3290	.58	.72	.86	9.3	31,900	3460	.59	.74	.89
	545	1160	11.5	39,100	2910	.58	.73	.87	10.9	37,100	3130	.59	.75	.89	10.2	34,900	3330	.61	.77	.92	9.6	32,700	3510	.62	.80	.95
71°F (21.7°C)	360	760	11.4	39,000	2910	.42	.52	.62	10.9	37,100	3140	.42	.53	.63	10.3	35,100	3340	.42	.53	.65	9.7	33,000	3530	.42	.54	.66
	455	960	11.9	40,700	2970	.42	.54	.66	11.3	38,600	3200	.43	.55	.68	10.7	36,500	3410	.43	.56	.69	10.0	34,200	3590	.43	.58	.72
	545	1160	12.3	41,800	3010	.43	.57	.70	11.6	39,600	3240	.44	.58	.72	11.0	37,400	3450	.44	.59	.74	10.3	35,000	3640	.45	.61	.77

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

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-036 — C23-46 - RFC or TXV Systems

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C	
63°F (17.2°C)	470	1000	10.3	35,300	2760	.72	.86	.97	9.8	33,500	2960	.74	.88	.99	9.3	31,600	3150	.76	.91	1.00	8.7	29,700	3310	.78	.93	1.00	
	565	1200	10.7	36,400	2800	.76	.91	1.00	10.1	34,600	3010	.78	.93	1.00	9.6	32,700	3200	.80	.96	1.00	9.0	30,800	3370	.83	.98	1.00	
	660	1400	11.0	37,400	2830	.80	.95	1.00	10.4	35,500	3040	.82	.97	1.00	9.8	33,600	3240	.85	.99	1.00	9.3	31,800	3430	.88	1.00	1.00	
67°F (19.4°C)	470	1000	11.0	37,700	2840	.57	.70	.83	10.5	35,700	3060	.58	.71	.85	9.9	33,700	3250	.59	.73	.87	9.3	31,600	3420	.60	.75	.90	
	565	1200	11.3	38,600	2880	.59	.74	.88	10.8	36,700	3090	.60	.76	.90	10.1	34,600	3290	.61	.78	.93	9.5	32,400	3460	.63	.81	.96	
	660	1400	11.5	39,400	2900	.61	.78	.93	10.9	37,300	3120	.63	.80	.95	10.3	35,200	3320	.64	.83	.97	9.7	33,000	3500	.66	.85	.99	
71°F (21.7°C)	470	1000	11.8	40,300	2930	.43	.55	.67	11.2	38,300	3160	.43	.56	.69	10.6	36,200	3360	.43	.57	.71	9.9	33,900	3550	.44	.58	.73	
	565	1200	12.1	41,300	2970	.43	.57	.71	11.5	39,200	3190	.44	.59	.73	10.8	37,000	3400	.44	.60	.76	10.2	34,700	3590	.45	.62	.78	
	660	1400	12.3	42,000	2990	.44	.60	.76	11.7	39,800	3220	.45	.61	.78	11.0	37,600	3430	.45	.63	.80	10.3	35,200	3620	.46	.65	.83	

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

## HS29-036 — C26-41 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C	
63°F (17.2°C)	450	950	10.6	36,000	2810	.71	.84	.96	10.0	34,100	3010	.73	.86	.98	9.4	32,200	3200	.74	.89	1.00	8.9	30,200	3370	.77	.92	1.00	
	540	1150	10.9	37,300	2850	.75	.90	1.00	10.3	35,300	3060	.77	.92	1.00	9.8	33,300	3260	.79	.95	1.00	9.2	31,300	3430	.82	.97	1.00	
	635	1350	11.2	38,300	2890	.79	.95	1.00	10.7	36,400	3110	.81	.97	1.00	10.1	34,400	3310	.84	.99	1.00	9.5	32,400	3500	.87	1.00	1.00	
67°F (19.4°C)	450	950	11.3	38,500	2900	.56	.69	.81	10.7	36,500	3110	.57	.70	.83	10.1	34,400	3310	.58	.72	.85	9.5	32,300	3490	.59	.74	.88	
	540	1150	11.6	39,700	2940	.58	.73	.86	11.0	37,600	3160	.59	.74	.89	10.4	35,400	3360	.61	.77	.91	9.7	33,100	3540	.62	.79	.94	
	635	1350	11.9	40,600	2970	.61	.77	.91	11.3	38,400	3190	.62	.79	.94	10.6	36,100	3400	.63	.81	.97	9.9	33,800	3580	.65	.84	.99	
71°F (21.7°C)	450	950	12.1	41,300	2990	.42	.54	.66	11.5	39,200	3220	.43	.55	.67	10.8	37,000	3430	.43	.56	.69	10.1	34,600	3620	.43	.57	.71	
	540	1150	12.5	42,500	3030	.43	.57	.70	11.8	40,200	3260	.43	.58	.72	11.1	37,900	3480	.44	.59	.74	10.4	35,500	3670	.44	.61	.77	
	635	1350	12.7	43,300	3060	.44	.59	.74	12.0	41,000	3300	.44	.61	.77	11.3	38,600	3510	.45	.62	.79	10.6	36,100	3700	.46	.64	.82	

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

## HS29-036 — C26-46 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C	
63°F (17.2°C)	470	1000	10.7	36,600	2830	.72	.86	.97	10.2	34,700	3040	.74	.88	.99	9.6	32,700	3230	.76	.90	1.00	9.0	30,700	3400	.78	.93	1.00	
	565	1200	11.1	37,900	2880	.76	.91	1.00	10.5	35,900	3090	.78	.94	1.00	9.9	33,900	3290	.81	.96	1.00	9.3	31,800	3460	.83	.99	1.00	
	660	1400	11.4	38,900	2910	.80	.96	1.00	10.8	36,900	3130	.83	.98	1.00	10.2	34,900	3340	.85	1.00	1.00	9.7	33,000	3530	.88	1.00	1.00	
67°F (19.4°C)	470	1000	11.5	39,100	2920	.57	.70	.82	10.9	37,100	3140	.57	.71	.84	10.3	35,000	3340	.59	.73	.87	9.6	32,700	3520	.60	.75	.90	
	565	1200	11.8	40,300	2960	.59	.74	.88	11.2	38,100	3180	.60	.76	.90	10.5	35,900	3390	.61	.78	.93	9.8	33,600	3570	.63	.81	.96	
	660	1400	12.0	41,100	2990	.61	.78	.93	11.4	38,900	3210	.63	.80	.95	10.7	36,600	3420	.64	.83	.98	10.0	34,200	3600	.66	.86	1.00	
71°F (21.7°C)	470	1000	12.3	41,900	3020	.43	.55	.67	11.6	39,700	3250	.43	.56	.69	11.0	37,500	3460	.43	.57	.70	10.3	35,100	3650	.44	.58	.73	
	565	1200	12.6	43,000	3050	.43	.57	.71	11.9	40,700	3290	.44	.59	.73	11.3	38,400	3510	.44	.60	.76	10.5	35,900	3700	.45	.62	.78	
	660	1400	12.8	43,800	3080	.44	.60	.76	12.2	41,500	3320	.45	.61	.78	11.4	39,000	3540	.45	.63	.80	10.7	36,500	3730	.46	.65	.84	

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

## HS29-036 — C23-51 - RFC or TXV Systems

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C	
63°F (17.2°C)	470	1000	10.8	37,000	2800	.72	.85	.97	10.3	35,100	3000	.73	.87	.99	9.7	33,200	3190	.75	.90	1.00	9.1	31,100	3350	.77	.93	1.00	
	565	1200	11.2	38,300	2840	.76	.90	1.00	10.6	36,300	3050	.78	.93	1.00	10.0	34,200	3240	.80	.95	1.00	9.4	32,200	3410	.82	.98	1.00	
	660	1400	11.5	39,300	2870	.80	.95	1.00	10.9	37,300	3090	.82	.97	1.00	10.3	35,300	3290	.84	.99	1.00	9.8	33,300	3480	.87	1.00	1.00	
67°F (19.4°C)	470	1000	11.6	39,600	2880	.56	.69	.82	11.0	37,600	3100	.57	.71	.84	10.4	35,500	3300	.58	.72	.86	9.7	33,200	3470	.59	.75	.89	
	565	1200	12.0	40,800	2920	.59	.73	.87	11.3	38,600	3140	.60	.75	.89	10.6	36,300	3340	.61	.77	.92	10.0	34,000	3520	.62	.80	.95	
	660	1400	12.2	41,600	2950	.61	.77	.92	11.5	39,300	3170	.62	.79	.94	10.8	37,000	3370	.64	.82	.97	10.2	34,700	3550	.65	.85	.99	
71°F (21.7°C)	470	1000	12.5	42,500	2980	.42	.54	.66	11.8	40,300	3210	.43	.55	.68	11.1	38,000	3420	.43	.56	.70	10.4	35,600	3610	.43	.58	.72	
	565	1200	12.8	43,																							



# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-036 — CR26-41 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
	Dry Bulb					Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17.2°C)	425	900	10.4	35,400	2800	.70	.83	.94	9.8	33,600	3000	.72	.85	.97	9.3	31,700	3180	.73	.87	.99	8.7	29,700	3350	.75	.90	1.00
	520	1100	10.8	36,800	2840	.74	.88	.99	10.2	34,800	3050	.76	.91	1.00	9.6	32,900	3250	.78	.93	1.00	9.0	30,800	3420	.81	.96	1.00
	615	1300	11.1	37,800	2880	.78	.93	1.00	10.5	35,900	3100	.80	.96	1.00	9.9	33,900	3300	.83	.98	1.00	9.3	31,900	3480	.85	1.00	1.00
67°F (19.4°C)	425	900	11.1	37,900	2880	.56	.68	.79	10.6	36,000	3100	.56	.69	.81	9.9	33,900	3300	.57	.70	.84	9.3	31,800	3470	.58	.73	.86
	520	1100	11.5	39,200	2930	.58	.72	.85	10.9	37,100	3150	.59	.73	.87	10.3	35,000	3350	.60	.75	.90	9.6	32,700	3530	.61	.78	.93
	615	1300	11.8	40,100	2960	.60	.76	.90	11.1	38,000	3180	.61	.78	.93	10.5	35,700	3390	.63	.80	.95	9.8	33,400	3570	.64	.83	.98
71°F (21.7°C)	425	900	11.9	40,600	2980	.42	.54	.65	11.3	38,600	3210	.42	.54	.66	10.7	36,400	3420	.43	.55	.68	10.0	34,200	3610	.43	.56	.70
	520	1100	12.3	41,900	3020	.43	.56	.69	11.6	39,700	3260	.43	.57	.71	11.0	37,500	3470	.44	.58	.73	10.3	35,100	3660	.44	.60	.75
	615	1300	12.6	42,900	3050	.44	.59	.73	11.9	40,600	3290	.44	.60	.75	11.2	38,200	3510	.45	.61	.78	10.5	35,700	3700	.45	.63	.81

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

## HS29-036 — CH23-41 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
	Dry Bulb					Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17.2°C)	470	1000	10.5	35,700	2810	.73	.86	.98	9.9	33,900	3010	.74	.88	.99	9.4	32,000	3200	.76	.91	1.00	8.8	30,000	3370	.78	.94	1.00
	565	1200	10.8	36,900	2850	.77	.92	1.00	10.3	35,000	3060	.79	.94	1.00	9.7	33,100	3260	.81	.96	1.00	9.1	31,100	3430	.84	.99	1.00
	660	1400	11.1	37,900	2890	.81	.96	1.00	10.6	36,000	3110	.83	.98	1.00	10.0	34,100	3310	.86	1.00	1.00	9.4	32,200	3500	.89	1.00	1.00
67°F (19.4°C)	470	1000	11.2	38,100	2890	.57	.70	.83	10.6	36,100	3110	.58	.72	.85	10.0	34,000	3310	.59	.74	.88	9.3	31,900	3480	.60	.76	.90
	565	1200	11.5	39,100	2930	.59	.74	.89	10.9	37,100	3150	.60	.76	.91	10.2	34,900	3350	.62	.79	.94	9.6	32,700	3530	.63	.81	.96
	660	1400	11.7	40,000	2960	.62	.79	.94	11.1	37,800	3180	.63	.81	.96	10.4	35,600	3380	.65	.83	.98	9.8	33,300	3570	.67	.86	1.00
71°F (21.7°C)	470	1000	12.0	40,800	2980	.43	.55	.67	11.3	38,700	3210	.43	.56	.69	10.7	36,500	3430	.43	.57	.71	10.0	34,200	3610	.44	.59	.73
	565	1200	12.3	41,800	3020	.43	.58	.72	11.6	39,600	3250	.44	.59	.74	10.9	37,300	3470	.44	.60	.76	10.2	34,900	3660	.45	.62	.79
	660	1400	12.5	42,600	3050	.44	.60	.76	11.8	40,300	3280	.45	.62	.79	11.1	37,900	3500	.46	.64	.81	10.4	35,500	3690	.46	.66	.84

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

## HS29-036 — CB29M-31 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
	Dry Bulb					Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17.2°C)	450	950	9.9	33,800	2670	.72	.85	.96	9.4	32,100	2850	.73	.87	.98	8.9	30,400	3030	.75	.90	1.00	8.4	28,700	3180	.77	.92	1.00
	495	1050	10.1	34,400	2690	.74	.88	.99	9.6	32,700	2880	.76	.90	1.00	9.1	31,000	3050	.77	.92	1.00	8.6	29,200	3210	.80	.95	1.00
	540	1150	10.2	34,900	2700	.76	.91	1.00	9.7	33,200	2900	.78	.93	1.00	9.2	31,400	3080	.80	.95	1.00	8.7	29,600	3240	.82	.97	1.00
67°F (19.4°C)	450	950	10.6	36,000	2740	.56	.69	.82	10.1	34,300	2940	.57	.71	.84	9.5	32,400	3120	.58	.73	.86	8.9	30,500	3290	.59	.75	.89
	495	1050	10.7	36,600	2760	.58	.71	.85	10.2	34,800	2960	.58	.73	.87	9.6	32,900	3150	.60	.75	.89	9.1	30,900	3310	.61	.77	.92
	540	1150	10.8	37,000	2770	.59	.73	.87	10.3	35,200	2980	.60	.75	.90	9.8	33,300	3160	.61	.77	.92	9.1	31,200	3330	.62	.80	.95
71°F (21.7°C)	450	950	11.3	38,500	2820	.42	.55	.67	10.8	36,700	3040	.43	.55	.68	10.2	34,700	3230	.43	.57	.70	9.6	32,700	3410	.43	.58	.72
	495	1050	11.4	39,000	2840	.43	.56	.69	10.9	37,100	3050	.43	.57	.70	10.3	35,200	3250	.44	.58	.72	9.7	33,100	3430	.44	.59	.75
	540	1150	11.6	39,500	2850	.43	.57	.71	11.0	37,600	3070	.44	.58	.73	10.4	35,500	3270	.44	.60	.75	9.8	33,400	3450	.45	.61	.77

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

## HS29-036 — CB29M-41 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
	Dry Bulb					Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17.2°C)	470	1000	10.1	34,300	2680	.73	.86	.97	9.6	32,600	2880	.74	.88	.99	9.0	30,800	3060	.76	.91	1.00	8.5	29,000	3210	.78	.93	1.00
	565	1200	10.4	35,400	2720	.77	.91	1.00	9.8	33,600	2920	.78	.93	1.00	9.3	31,800	3100	.81	.96	1.00	8.8	30,000	3270	.83	.98	1.00
	660	1400	10.6	36,300	2750	.80	.96	1.00	10.1	34,500	2960	.83	.97	1.00	9.6	32,700	3150	.85	.99	1.00	9.1	30,900	3330	.88	1.00	1.00
67°F (19.4°C)	470	1000	10.7	36,600	2760	.57	.70	.83	10.2	34,800	2960	.58	.71	.85	9.6	32,800	3150	.59	.73	.87	9.0	30,800	3320	.60	.76	.90
	565	1200	11.0	37,500	2790	.59	.74	.88	10.4	35,600	3000	.60	.76	.90	9.8	33,600	3190	.61	.78	.93	9.2	31,500	3360	.63	.81	.96
	660	1400	11.2	38,300	2820	.61	.78	.93	10.6	36,300	3030	.63	.80	.95	10.0	34,200	3220	.64	.83	.97	9.4	32,100	3390	.66	.86	.99
71°F (21.7°C)	470	1000	11.5	39,100	2840	.43	.55	.67	10.9	37,200	3060	.43	.56	.69	10.3	35,200	3260	.43	.57	.71	9.7	33,000	3440	.44	.58	.73
	565	1200	11.8	40,100	2880	.43	.57	.72	11.2	38,100	3100	.44	.59	.73	10.5	35,900	3300	.44	.60	.76	9.9	33,700	3480	.45	.62	.78
	660	1400	12.0	40,800	2900																					

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-036 — CB30M-31 - CB30U-31 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)										
			L/s	cfm		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh							
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C									
63°F (17.2°C)	495	1050	10.3	35,300	2770	.73	.87	.98	9.8	33,500	2970	.75	.89	1.00	9.2	31,500	3160	.77	.92	1.00	8.7	29,600	3320	.79	.95	1.00
	540	1150	10.5	35,900	2790	.75	.90	1.00	10.0	34,000	2990	.77	.92	1.00	9.4	32,100	3180	.79	.95	1.00	8.8	30,100	3350	.82	.97	1.00
	590	1250	10.7	36,400	2800	.77	.92	1.00	10.1	34,500	3010	.79	.95	1.00	9.6	32,600	3210	.82	.97	1.00	9.0	30,700	3380	.84	.99	1.00
67°F (19.4°C)	495	1050	11.0	37,700	2850	.57	.71	.84	10.5	35,700	3060	.58	.72	.86	9.9	33,700	3260	.59	.74	.88	9.2	31,500	3430	.61	.77	.91
	540	1150	11.2	38,200	2870	.58	.73	.86	10.6	36,200	3080	.59	.74	.89	10.0	34,100	3280	.61	.77	.91	9.3	31,900	3450	.62	.79	.94
	590	1250	11.3	38,700	2880	.59	.75	.89	10.7	36,600	3100	.61	.77	.91	10.1	34,500	3300	.62	.79	.94	9.4	32,200	3470	.64	.82	.97
71°F (21.7°C)	495	1050	11.8	40,400	2940	.43	.55	.68	11.2	38,300	3170	.43	.56	.70	10.6	36,100	3380	.43	.58	.72	9.9	33,800	3560	.44	.59	.74
	540	1150	12.0	40,900	2960	.43	.57	.70	11.3	38,700	3190	.43	.58	.72	10.7	36,500	3400	.44	.59	.74	10.0	34,200	3580	.44	.61	.77
	590	1250	12.1	41,300	2970	.44	.58	.72	11.5	39,100	3200	.44	.59	.74	10.8	36,800	3420	.44	.61	.77	10.1	34,500	3600	.45	.62	.79

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

## HS29-036 — CB29M-46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)										
			L/s	cfm		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh							
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C									
63°F (17.2°C)	470	1000	10.6	36,100	2770	.72	.86	.97	10.0	34,200	2970	.74	.88	.99	9.5	32,300	3160	.76	.90	1.00	8.9	30,200	3320	.78	.93	1.00
	565	1200	10.9	37,300	2810	.76	.91	1.00	10.3	35,300	3020	.78	.93	1.00	9.8	33,400	3210	.80	.96	1.00	9.2	31,300	3380	.83	.98	1.00
	660	1400	11.2	38,300	2840	.80	.96	1.00	10.6	36,300	3060	.82	.98	1.00	10.1	34,400	3260	.85	1.00	1.00	9.5	32,500	3450	.88	1.00	1.00
67°F (19.4°C)	470	1000	11.3	38,600	2850	.57	.69	.82	10.7	36,600	3070	.57	.71	.84	10.1	34,500	3260	.58	.73	.87	9.5	32,300	3440	.60	.75	.90
	565	1200	11.6	39,700	2890	.59	.74	.88	11.0	37,500	3110	.60	.76	.90	10.3	35,300	3310	.61	.78	.93	9.7	33,100	3480	.63	.81	.96
	660	1400	11.9	40,500	2920	.61	.78	.93	11.2	38,300	3140	.63	.80	.95	10.6	36,000	3340	.64	.83	.98	9.9	33,700	3520	.66	.86	1.00
71°F (21.7°C)	470	1000	12.1	41,300	2950	.43	.55	.67	11.5	39,200	3170	.43	.56	.68	10.8	37,000	3380	.43	.57	.70	10.1	34,600	3570	.44	.58	.73
	565	1200	12.4	42,400	2980	.43	.57	.71	11.8	40,200	3210	.44	.58	.73	11.1	37,800	3420	.44	.60	.75	10.4	35,400	3610	.45	.62	.78
	660	1400	12.7	43,200	3010	.44	.60	.75	12.0	40,900	3240	.45	.61	.78	11.3	38,500	3450	.45	.63	.80	10.6	36,000	3640	.46	.65	.83

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

## HS29-036 — CB30M-41 - CB30U-41/46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)										
			L/s	cfm		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh							
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C									
63°F (17.2°C)	470	1000	10.6	36,300	2880	.72	.86	.97	10.1	34,400	3090	.74	.88	.99	9.5	32,400	3290	.75	.90	1.00	8.9	30,300	3460	.78	.93	1.00
	565	1200	11.0	37,500	2930	.76	.91	1.00	10.4	35,500	3150	.78	.93	1.00	9.8	33,500	3350	.80	.96	1.00	9.2	31,500	3530	.83	.99	1.00
	660	1400	11.3	38,500	2960	.80	.96	1.00	10.7	36,500	3190	.82	.98	1.00	10.1	34,600	3400	.85	1.00	1.00	9.6	32,600	3590	.88	1.00	1.00
67°F (19.4°C)	470	1000	11.4	38,800	2970	.56	.69	.82	10.8	36,800	3200	.57	.71	.84	10.1	34,600	3400	.58	.73	.87	9.5	32,400	3580	.60	.75	.90
	565	1200	11.7	39,900	3010	.59	.74	.88	11.1	37,800	3240	.60	.75	.90	10.4	35,500	3450	.61	.78	.93	9.7	33,200	3630	.63	.80	.96
	660	1400	12.0	40,800	3040	.61	.78	.93	11.3	38,500	3270	.63	.80	.95	10.6	36,200	3480	.64	.83	.98	9.9	33,900	3670	.66	.85	1.00
71°F (21.7°C)	470	1000	12.0	41,600	3070	.42	.55	.67	11.5	39,400	3310	.43	.56	.68	10.9	37,200	3530	.43	.57	.70	10.2	34,800	3720	.44	.58	.72
	565	1200	12.5	42,700	3110	.43	.57	.71	11.8	40,400	3350	.44	.58	.73	11.2	38,100	3570	.44	.60	.75	10.4	35,600	3770	.45	.61	.78
	660	1400	12.7	43,500	3140	.44	.60	.75	12.0	41,100	3380	.45	.61	.78	11.3	38,700	3610	.45	.63	.80	10.6	36,200	3800	.46	.65	.83

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

## HS29-036 — CB30M-46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)										
			L/s	cfm		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh		Dry Bulb		kW	Btuh							
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C									
63°F (17.2°C)	470	1000	10.6	36,100	2750	.72	.86	.97	10.0	34,200	2950	.74	.88	.99	9.5	32,300	3140	.75	.90	1.00	8.9	30,200	3300	.78	.93	1.00
	565	1200	11.0	37,400	2790	.76	.91	1.00	10.4	35,400	3000	.78	.93	1.00	9.8	33,400	3190	.80	.96	1.00	9.2	31,300	3360	.83	.99	1.00
	660	1400	11.3	38,400	2830	.80	.96	1.00	10.7	36,400	3040	.82	.98	1.00	10.1	34,400	3240	.85	1.00	1.00	9.5	32,500	3430	.88	1.00	1.00
67°F (19.4°C)	470	1000	11.3	38,700	2840	.56	.69	.82	10.7	36,600	3050	.57	.71	.84	10.1	34,500	3250	.58	.73	.87	9.5	32,300	3420	.60	.75	.90
	565	1200	11.7	39,800	2870	.59	.74	.88	11.0	37,600	3090	.60	.75	.90	10.4	35,400	3290	.61	.78	.93	9.7	33,100	3460	.63	.80	.96
	660	1400	11.9	40,600	2900	.61	.78	.93	11.3	38,400	3120	.63	.80	.95	10.6	36,100	3320	.64	.83	.98	9.9	33,800	3500	.66	.85	1.00
71°F (21.7°C)	470	1000	12.1	41,400	2930	.42	.55	.67	11.5	39,300	3160	.43	.56	.68	10.8	37,000	3370	.43	.57	.70	10.2	34,700	3550	.44	.58	.72
	565	1200	12.5	42,500	2970	.43	.57	.71	11.8	40,200	3200	.44	.58	.73	11.1	37,900	3410	.44	.60	.75	10.4	35,400	3600	.45	.61	.78
	660	1400	12.7	43,300	3000	.44	.60	.75	12.0	41,000	3230	.45	.61	.78	11.3	38,500	3440	.45	.63	.80	10.6	36,000	3630	.46	.65	.83

NOTE — All values are gross capacities

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-036 — CB31MV-41 – TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
						75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F
L/s	cfm	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	
63°F (17.2°C)	535	1135	10.7	36,600	2770	.75	.90	1.00	10.1	34,600	2980	.77	.92	1.00	9.6	32,700	3170	.79	.95	1.00	9.0	30,700	3340	.82	.97	1.00
	600	1275	10.9	37,300	2800	.78	.93	1.00	10.3	35,300	3000	.80	.95	1.00	9.8	33,300	3200	.82	.98	1.00	9.2	31,300	3370	.85	1.00	1.00
	660	1400	11.1	37,900	2820	.80	.96	1.00	10.5	35,900	3030	.82	.98	1.00	10.0	34,000	3230	.85	1.00	1.00	9.4	32,000	3420	.88	1.00	1.00
67°F (19.4°C)	535	1135	11.4	39,000	2860	.58	.72	.86	10.8	36,900	3070	.59	.74	.89	10.2	34,700	3270	.61	.77	.91	9.5	32,500	3440	.62	.79	.94
	600	1275	11.6	39,600	2870	.60	.75	.90	11.0	37,400	3090	.61	.77	.92	10.3	35,200	3290	.62	.80	.95	9.6	32,900	3460	.64	.82	.98
	660	1400	11.8	40,100	2890	.61	.78	.93	11.1	37,900	3110	.63	.80	.95	10.4	35,600	3310	.64	.83	.98	9.8	33,300	3490	.66	.85	1.00
71°F (21.7°C)	535	1135	12.2	41,700	2950	.43	.56	.70	11.6	39,500	3180	.43	.58	.72	10.9	37,200	3390	.44	.59	.74	10.2	34,800	3570	.44	.61	.77
	600	1275	12.4	42,300	2970	.44	.58	.73	11.7	40,000	3200	.44	.59	.75	11.0	37,700	3410	.45	.61	.77	10.3	35,200	3590	.45	.63	.80
	660	1400	12.5	42,800	2980	.44	.60	.75	11.8	40,400	3210	.45	.61	.78	11.1	38,000	3430	.45	.63	.80	10.4	35,500	3610	.46	.65	.83

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

## HS29-036 — CB30M-51 - CB30U-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
						75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F
L/s	cfm	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	
63°F (17.2°C)	470	1000	10.7	36,600	2750	.72	.85	.97	10.1	34,600	2960	.73	.87	.99	9.5	32,500	3140	.75	.90	1.00	8.9	30,400	3310	.78	.93	1.00
	565	1200	11.1	37,800	2800	.76	.91	1.00	10.5	35,800	3010	.78	.93	1.00	9.9	33,700	3200	.80	.96	1.00	9.3	31,600	3370	.83	.99	1.00
	660	1400	11.4	38,900	2840	.80	.96	1.00	10.8	36,800	3050	.82	.98	1.00	10.2	34,800	3250	.85	1.00	1.00	9.6	32,800	3440	.88	1.00	1.00
67°F (19.4°C)	470	1000	11.5	39,200	2850	.56	.69	.82	10.9	37,100	3060	.57	.71	.84	10.2	34,900	3260	.58	.72	.86	9.6	32,600	3430	.59	.75	.89
	565	1200	11.8	40,400	2890	.59	.73	.87	11.2	38,200	3110	.60	.75	.90	10.5	35,800	3310	.61	.78	.93	9.8	33,400	3480	.63	.80	.96
	660	1400	12.1	41,300	2920	.61	.77	.93	11.4	39,000	3140	.62	.80	.95	10.7	36,600	3340	.64	.82	.98	10.0	34,100	3520	.66	.86	1.00
71°F (21.7°C)	470	1000	12.3	42,000	2950	.42	.54	.66	11.7	39,800	3170	.43	.55	.68	11.0	37,500	3380	.43	.56	.70	10.3	35,000	3570	.43	.58	.72
	565	1200	12.7	43,200	2990	.43	.57	.71	12.0	40,900	3220	.44	.58	.73	11.3	38,400	3430	.44	.60	.75	10.5	35,800	3620	.45	.61	.78
	660	1400	12.9	44,100	3020	.44	.60	.75	12.2	41,600	3250	.45	.61	.77	11.5	39,100	3460	.45	.63	.80	10.7	36,500	3650	.46	.65	.83

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

## HS29-036 — CB31MV-51 – TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
						75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F
L/s	cfm	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	
63°F (17.2°C)	570	1205	11.1	37,800	2800	.76	.91	1.00	10.5	35,800	3010	.78	.93	1.00	9.9	33,700	3200	.80	.96	1.00	9.3	31,600	3370	.83	.99	1.00
	650	1375	11.4	38,800	2830	.79	.95	1.00	10.8	36,700	3050	.82	.98	1.00	10.1	34,600	3250	.84	1.00	1.00	9.6	32,600	3430	.87	1.00	1.00
	670	1500	11.8	40,400	2890	.59	.73	.87	11.2	38,100	3110	.60	.75	.90	10.5	35,800	3310	.61	.78	.93	9.8	33,400	3480	.63	.80	.96
67°F (19.4°C)	570	1205	11.8	40,400	2890	.59	.73	.87	11.2	38,100	3110	.60	.75	.90	10.5	35,800	3310	.61	.78	.93	9.8	33,400	3480	.63	.80	.96
	650	1375	12.1	41,200	2910	.61	.77	.92	11.4	38,800	3140	.62	.79	.95	10.7	36,500	3340	.64	.82	.98	10.0	34,000	3510	.66	.85	1.00
	670	1500	12.3	42,000	2950	.43	.57	.71	12.0	40,800	3220	.44	.58	.73	11.3	38,400	3430	.44	.60	.75	10.5	35,800	3620	.45	.61	.78
71°F (21.7°C)	570	1205	12.7	43,200	2990	.43	.57	.71	12.0	40,900	3220	.44	.58	.73	11.3	38,400	3430	.44	.60	.75	10.5	35,800	3620	.45	.61	.78
	650	1375	12.9	44,000	3010	.44	.59	.74	12.2	41,500	3250	.45	.61	.77	11.4	39,000	3460	.45	.62	.79	10.7	36,400	3650	.46	.64	.83

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

## HS29-036 — CVP10-41/EC10Q3 — CVP10-46/EC10Q4 – TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
						75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F				75°F	80°F	85°F
L/s	cfm	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	kW	Btuh	Input	24°C	27°C	29°C	
63°F (17.2°C)	470	1000	10.4	35,400	2820	.72	.85	.97	9.8	33,500	3030	.73	.88	.99	9.3	31,600	3210	.75	.90	1.00	8.7	29,600	3380	.78	.93	1.00
	565	1200	10.7	36,600	2860	.76	.91	1.00	10.2	34,700	3080	.78	.93	1.00	9.6	32,700	3270	.80	.96	1.00	9.0	30,700	3450	.83	.98	1.00
	660	1400	11.0	37,600	2900	.80	.95	1.00	10.5	35,700	3120	.82	.98	1.00	9.9	33,800	3320	.85	.99	1.00	9.3	31,900	3510	.88	1.00	1.00
67°F (19.4°C)	470	1000	11.1	37,800	2910	.56	.69	.82	10.5	35,900	3120	.57	.71	.84	9.9	33,800	3330	.58	.73	.86	9.3	31,700	3500	.60	.75	.89
	565	1200	11.4	39,000	2950	.59	.73	.87	10.8	36,900	3170	.60	.75	.90	10.2	34,700	3370	.61	.78	.93	9.5	32,500	3550	.63	.80	.95
	660	1400	11.7	39,800	2970	.61	.78	.92	11.0	37,600	3200	.62	.80	.95	10.4	35,400	3410	.64	.82	.97	9.7	33,100	3590	.66	.85	1.00
71°F (21.7°C)	470	1000	11.9	40,500	3000	.42	.54	.67	11.3	38,500	3230	.43	.55	.68	10.6	36,300	3450	.43	.57	.70	10.0	34,000	3640	.44	.58	.72
	565	1200	12.2	41,700	3040	.43	.57	.71	11.6	39,500	3280	.44	.58	.73	10.9	37,200	3490	.44	.60	.75	10.2	34,800	3680	.45	.61	.78
	660	1400	12.5	42,500	3070	.44	.60	.75	11.8	40,200	3310	.45	.61	.77	11.1	37,800	3530	.45	.63	.80	10.4	35,400	3720	.46	.65	.83

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

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

### HS29-042 — C23-46 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)											
					Dry Bulb					Dry Bulb					Dry Bulb											
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	590	1250	11.1	38,000	3170	.74	.88	.99	10.6	36,100	3430	.76	.90	1.00	10.1	34,300	3670	.77	.92	1.00	9.5	32,500	3890	.80	.95	1.00
	660	1400	11.3	38,700	3200	.77	.91	1.00	10.8	36,800	3450	.78	.93	1.00	10.3	35,000	3700	.80	.96	1.00	9.7	33,100	3930	.83	.98	1.00
	730	1550	11.5	39,300	3220	.79	.94	1.00	11.0	37,400	3480	.81	.96	1.00	10.4	35,600	3730	.83	.98	1.00	9.9	33,800	3970	.86	1.00	1.00
67°F (19.4°C)	590	1250	11.8	40,300	3260	.58	.72	.85	11.3	38,400	3520	.59	.73	.87	10.7	36,400	3770	.60	.75	.89	10.1	34,400	4010	.61	.77	.92
	660	1400	12.0	40,900	3280	.59	.74	.88	11.4	38,900	3540	.60	.76	.90	10.8	36,900	3800	.61	.78	.93	10.2	34,900	4040	.63	.80	.95
	730	1550	12.1	41,400	3290	.61	.77	.91	11.5	39,300	3560	.62	.79	.94	10.9	37,300	3820	.63	.81	.96	10.3	35,300	4060	.65	.83	.98
71°F (21.7°C)	590	1250	12.6	42,900	3350	.43	.56	.69	12.0	40,900	3630	.43	.57	.71	11.4	38,800	3890	.44	.58	.72	10.8	36,800	4140	.44	.59	.75
	660	1400	12.7	43,500	3370	.43	.58	.72	12.1	41,400	3650	.44	.59	.74	11.5	39,300	3920	.44	.60	.76	10.9	37,200	4170	.45	.61	.78
	730	1550	12.9	43,900	3380	.44	.59	.75	12.3	41,900	3670	.44	.61	.77	11.6	39,700	3940	.45	.62	.79	11.0	37,600	4190	.46	.64	.81

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

### HS29-042 — C26-41 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)											
					Dry Bulb					Dry Bulb					Dry Bulb											
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	470	1000	11.4	38,900	3170	.70	.82	.93	10.8	37,000	3420	.71	.84	.95	10.3	35,100	3660	.72	.86	.97	9.7	33,200	3880	.74	.88	.99
	540	1150	11.7	39,900	3210	.72	.86	.97	11.1	38,000	3460	.74	.88	.99	10.6	36,000	3710	.75	.90	1.00	10.0	34,000	3940	.77	.92	1.00
	615	1300	12.0	40,800	3240	.75	.89	1.00	11.4	38,800	3490	.76	.91	1.00	10.8	36,800	3740	.78	.93	1.00	10.2	34,800	3980	.80	.96	1.00
67°F (19.4°C)	470	1000	12.2	41,600	3260	.55	.67	.79	11.6	39,600	3530	.56	.68	.80	11.0	37,500	3780	.57	.70	.82	10.4	35,500	4020	.57	.71	.85
	540	1150	12.5	42,500	3290	.57	.69	.82	11.9	40,500	3560	.57	.71	.84	11.2	38,300	3820	.58	.73	.86	10.6	36,200	4060	.59	.75	.89
	615	1300	12.7	43,300	3320	.58	.72	.86	12.0	41,100	3590	.59	.74	.88	11.4	39,000	3850	.60	.76	.90	10.8	36,800	4100	.61	.78	.93
71°F (21.7°C)	470	1000	13.0	44,400	3360	.42	.53	.64	12.4	42,300	3640	.42	.54	.66	11.8	40,200	3910	.43	.55	.67	11.1	38,000	4160	.43	.58	.69
	540	1150	13.3	45,300	3390	.43	.55	.67	12.7	43,200	3680	.43	.56	.68	12.0	41,000	3950	.43	.57	.70	11.4	38,800	4200	.43	.58	.72
	615	1300	13.5	46,100	3410	.43	.56	.70	12.9	43,900	3700	.43	.57	.71	12.2	41,600	3980	.44	.59	.73	11.5	39,300	4240	.44	.60	.76

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

### HS29-042 — C26-46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)											
					Dry Bulb					Dry Bulb					Dry Bulb											
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	590	1250	12.1	41,200	3240	.74	.88	.99	11.5	39,200	3500	.76	.90	1.00	10.9	37,100	3750	.77	.93	1.00	10.3	35,100	3980	.80	.95	1.00
	660	1400	12.3	42,000	3270	.77	.91	1.00	11.7	39,900	3530	.78	.94	1.00	11.1	37,900	3790	.81	.96	1.00	10.5	35,900	4030	.83	.98	1.00
	730	1550	12.5	42,700	3290	.79	.95	1.00	11.9	40,600	3560	.81	.97	1.00	11.3	38,600	3820	.84	.99	1.00	10.7	36,600	4070	.86	1.00	1.00
67°F (19.4°C)	590	1250	12.8	43,700	3330	.58	.71	.85	12.2	41,600	3600	.59	.73	.87	11.5	39,400	3860	.60	.75	.89	10.9	37,200	4100	.61	.77	.92
	660	1400	13.0	44,500	3350	.59	.74	.88	12.4	42,200	3630	.60	.76	.91	11.7	40,000	3890	.61	.78	.93	11.0	37,700	4140	.63	.80	.96
	730	1550	13.2	45,000	3370	.61	.77	.92	12.5	42,700	3650	.62	.79	.94	11.9	40,500	3910	.63	.81	.96	11.2	38,200	4160	.65	.84	.98
71°F (21.7°C)	590	1250	13.7	46,600	3420	.43	.56	.69	13.0	44,400	3710	.43	.57	.71	12.3	42,100	3990	.44	.58	.72	11.7	39,800	4250	.44	.59	.75
	660	1400	13.9	47,300	3440	.43	.58	.72	13.2	45,000	3740	.44	.59	.74	12.5	42,600	4020	.44	.60	.76	11.8	40,300	4280	.45	.62	.78
	730	1550	14.0	47,800	3460	.44	.59	.75	13.3	45,500	3760	.44	.61	.77	12.6	43,100	4040	.45	.62	.79	11.9	40,700	4300	.46	.64	.81

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

### HS29-042 — C23-51 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)			95°F (35°C)			105°F (41°C)			115°F (46°C)														
			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Compressor Motor Watts Input	Sensible To Total Ratio (S/T)											
					Dry Bulb					Dry Bulb					Dry Bulb											
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	590	1250	12.0	41,000	3200	.73	.87	.98	11.4	39,000	3460	.75	.89	1.00	10.8	37,000	3700	.77	.92	1.00	10.3	35,000	3930	.79	.94	1.00
	660	1400	12.3	41,800	3230	.76	.91	1.00	11.6	39,700	3490	.78	.93	1.00	11.0	37,700	3730	.80	.95	1.00	10.5	35,700	3970	.82	.97	1.00
	730	1550	12.5	42,500	3250	.78	.93	1.00	11.8	40,400	3510	.80	.96	1.00	11.3	38,400	3760	.82	.98	1.00	10.7	36,400	4010	.85	.99	1.00
67°F (19.4°C)	590	1250	12.8	43,700	3290	.57	.71	.84	12.2	41,500	3550	.58	.72	.86	11.5	39,300	3810	.59	.74	.88	10.9	37,200	4050	.60	.76	.91
	660	1400	13.0	44,300	3310	.59	.73	.87	12.3	42,100	3580	.60	.75	.90	11.7	39,900	3840	.61	.77	.92	11.0	37,700	4080	.62	.79	.95
	730	1550	13.2	44,900	3330	.60	.76	.91	12.5	42,600	3600	.61	.78	.93	11.8	40,400	3860	.63	.80	.95	11.2	38,100	4100	.64	.83	.97
71°F (21.7°C)	590	1250	13.6	46,500	3380	.43	.56	.68	13.0	44,300	3660	.43	.56	.70	12.3	42,000	3940	.43	.58	.72	11.7	39,800	4190	.44	.59	.74
	660	1400	13.8	47,200	3400	.43	.57	.71	13.2	44,900	3690	.44	.58	.73	12.5	42,600	3960	.44	.59	.75	11.8	40,300	4220	.45	.61	.77
	730	1550	14.0	47,700	3420	.44	.59	.74	13.3	45,400	3710	.44	.60	.76	12.6	43,100	3980	.45	.61	.78	11.9	40,700	4240	.45	.63	

**RATINGS**

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

**HS29-042 — C26-51/65 - TXV System Only**

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb		
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C			85°F 29°C									
63°F (17.2°C)	590	1250	12.2	41,700	3310	.74	.88	.99	11.6	39,600	3570	.75	.90	1.00	11.0	37,500	3830	.77	.93	1.00	10.4	35,400	4070	.80	.95	1.00
	660	1400	12.5	42,500	3330	.77	.91	1.00	11.8	40,400	3610	.78	.94	1.00	11.2	38,300	3870	.80	.96	1.00	10.6	36,200	4110	.83	.99	1.00
	730	1550	12.7	43,300	3360	.79	.95	1.00	12.0	41,100	3640	.81	.97	1.00	11.4	39,000	3910	.84	.99	1.00	10.8	37,000	4170	.86	1.00	1.00
67°F (19.4°C)	590	1250	13.0	44,300	3400	.58	.71	.85	12.3	42,100	3680	.58	.73	.87	11.7	39,800	3950	.59	.75	.89	11.0	37,600	4200	.61	.77	.92
	660	1400	13.2	45,100	3420	.59	.74	.88	12.5	42,800	3710	.60	.76	.91	11.9	40,500	3980	.61	.78	.93	11.2	38,200	4230	.63	.80	.96
	730	1550	13.4	45,700	3440	.61	.77	.92	12.7	43,300	3730	.62	.79	.94	12.0	41,000	4010	.63	.81	.97	11.3	38,700	4260	.65	.84	.99
71°F (21.7°C)	590	1250	13.9	47,300	3500	.43	.56	.69	13.2	45,000	3800	.43	.57	.70	12.5	42,600	4080	.44	.58	.72	11.8	40,200	4350	.44	.59	.74
	660	1400	14.1	48,000	3520	.43	.58	.72	13.4	45,600	3820	.44	.59	.74	12.7	43,200	4110	.44	.60	.76	12.0	40,800	4380	.45	.62	.78
	730	1550	14.2	48,600	3540	.44	.59	.75	13.5	46,200	3850	.45	.61	.77	12.8	43,700	4140	.45	.62	.79	12.1	41,200	4400	.46	.64	.82

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

**HS29-042 — CR26-51 - RFC or TXV Systems**

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb		
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C			85°F 29°C									
63°F (17.2°C)	590	1250	12.0	41,100	3200	.74	.88	.99	11.5	39,100	3460	.75	.90	1.00	10.8	37,000	3700	.77	.92	1.00	10.3	35,000	3930	.79	.95	1.00
	660	1400	12.3	41,900	3220	.76	.91	1.00	11.7	39,800	3490	.78	.93	1.00	11.1	37,800	3740	.80	.96	1.00	10.5	35,700	3970	.83	.98	1.00
	730	1550	12.5	42,600	3250	.79	.94	1.00	11.9	40,500	3510	.81	.96	1.00	11.3	38,500	3770	.83	.98	1.00	10.7	36,500	4020	.86	1.00	1.00
67°F (19.4°C)	590	1250	12.8	43,800	3280	.57	.71	.84	12.2	41,600	3560	.58	.73	.87	11.5	39,400	3810	.59	.75	.89	10.9	37,200	4050	.61	.77	.92
	660	1400	13.0	44,400	3310	.59	.74	.88	12.4	42,200	3580	.60	.76	.90	11.7	40,000	3840	.61	.78	.93	11.0	37,700	4080	.63	.80	.95
	730	1550	13.2	45,000	3330	.61	.77	.91	12.5	42,700	3600	.62	.79	.94	11.9	40,500	3870	.63	.81	.96	11.2	38,200	4110	.65	.83	.98
71°F (21.7°C)	590	1250	13.7	46,600	3380	.43	.56	.69	13.0	44,400	3670	.43	.57	.70	12.3	42,100	3940	.43	.58	.72	11.7	39,800	4200	.44	.59	.74
	660	1400	13.9	47,300	3400	.43	.57	.71	13.2	45,000	3690	.44	.59	.73	12.5	42,700	3970	.44	.60	.75	11.8	40,300	4230	.45	.61	.78
	730	1550	14.0	47,900	3420	.44	.59	.74	13.4	45,600	3710	.44	.60	.76	12.6	43,100	3990	.45	.62	.79	11.9	40,700	4250	.46	.63	.81

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

**HS29-042 — CH23-41 - RFC or TXV Systems**

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb		
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C			85°F 29°C									
63°F (17.2°C)	590	1250	11.8	40,300	3210	.74	.89	.99	11.2	38,300	3470	.76	.91	1.00	10.7	36,400	3710	.78	.93	1.00	10.1	34,400	3950	.80	.95	1.00
	660	1400	12.0	41,100	3240	.77	.92	1.00	11.5	39,100	3500	.79	.94	1.00	10.9	37,100	3750	.81	.96	1.00	10.3	35,200	3990	.83	.98	1.00
	730	1550	12.3	41,800	3260	.80	.95	1.00	11.7	39,800	3530	.82	.97	1.00	11.1	37,800	3790	.84	.99	1.00	10.5	35,900	4030	.87	1.00	1.00
67°F (19.4°C)	590	1250	12.5	42,700	3290	.58	.72	.85	11.9	40,600	3560	.59	.74	.88	11.3	38,500	3820	.60	.76	.90	10.7	36,400	4060	.61	.78	.92
	660	1400	12.7	43,400	3320	.60	.75	.89	12.1	41,200	3590	.61	.77	.91	11.5	39,100	3850	.62	.79	.94	10.8	36,900	4090	.63	.81	.96
	730	1550	12.9	43,900	3330	.61	.78	.92	12.2	41,700	3610	.62	.80	.95	11.6	39,500	3870	.64	.82	.97	10.9	37,300	4120	.65	.84	.99
71°F (21.7°C)	590	1250	13.3	45,500	3390	.43	.56	.70	12.7	43,300	3670	.43	.57	.71	12.0	41,100	3940	.44	.58	.73	11.4	38,800	4200	.44	.60	.75
	660	1400	13.5	46,100	3410	.44	.58	.73	12.9	43,900	3690	.44	.59	.74	12.2	41,600	3970	.44	.61	.76	11.5	39,300	4230	.45	.62	.79
	730	1550	13.7	46,600	3420	.44	.60	.75	13.0	44,400	3710	.45	.61	.77	12.3	42,000	3990	.45	.63	.80	11.6	39,700	4250	.46	.64	.82

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

**HS29-042 — CH23-51 - RFC or TXV Systems**

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb			kW	Btuh		Dry Bulb		
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C			85°F 29°C									
63°F (17.2°C)	590	1250	11.8	40,200	3180	.74	.88	.99	11.2	38,200	3430	.76	.91	1.00	10.6	36,200	3680	.78	.93	1.00	10.1	34,300	3910	.80	.95	1.00
	660	1400	12.0	41,000	3210	.77	.92	1.00	11.4	39,000	3470	.79	.94	1.00	10.8	37,000	3720	.81	.96	1.00	10.3	35,000	3950	.83	.98	1.00
	730	1550	12.2	41,700	3230	.80	.95	1.00	11.6	39,700	3500	.82	.97	1.00	11.0	37,700	3750	.84	.99	1.00	10.5	35,800	4000	.86	1.00	1.00
67°F (19.4°C)	590	1250	12.5	42,600	3260	.58	.72	.85	11.9	40,500	3530	.59	.73	.87	11.3	38,400	3790	.60	.75	.90	10.6	36,300	4030	.61	.77	.92
	660	1400	12.7	43,300	3280	.59	.75	.89	12.0	41,100	3560	.60	.76	.91	11.4	39,000	3810	.62	.79	.93	10.8	36,800	4060	.63	.81	.96
	730	1550	12.9	43,900	3300	.61	.77	.92	12.2	41,700	3580	.62	.79	.94	11.6	39,500	3840	.64	.82	.97	10.9	37,300	4080	.65	.84	.99
71°F (21.7°C)	590	1250	13.3	45,400	3360	.43	.56	.69	12.7	43,300	3640	.43	.57	.71	12.0	41,000	3910	.44	.58	.73	11.3	38,700	4160	.44	.60	.75
	660	1400	13.5	46,100	3380	.44	.58	.72	12.9	43,900	3660	.44	.59	.74	12.2	41,600	3940	.44	.60	.76	11.5	39,300	4190	.45	.62	.78
	730	1550	13.7	46,600	3390	.44	.60	.75	13.0	44,300	3680	.45	.61													

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-042 — CB30M-41 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C						
63°F (17.2°C)	495	1050	11.5	39,200	3210	.70	.83	.94	10.9	37,300	3470	.71	.85	.96	10.3	35,300	3710	.73	.87	.98	9.8	33,400	3940	.74	.89	1.00	
	590	1250	11.8	40,400	3260	.73	.87	.99	11.3	38,400	3520	.75	.89	1.00	10.7	36,400	3770	.77	.92	1.00	10.1	34,400	4000	.79	.94	1.00	
	685	1450	12.2	41,500	3290	.77	.92	1.00	11.5	39,400	3560	.79	.94	1.00	11.0	37,400	3810	.81	.96	1.00	10.4	35,400	4060	.83	.98	1.00	
67°F (19.4°C)	495	1050	12.3	41,900	3300	.55	.67	.79	11.7	39,800	3570	.56	.69	.81	11.1	37,800	3830	.57	.70	.83	10.4	35,600	4070	.58	.72	.85	
	590	1250	12.6	43,000	3340	.57	.71	.84	12.0	40,900	3620	.58	.72	.86	11.3	38,700	3880	.59	.74	.88	10.7	36,500	4130	.60	.76	.91	
	685	1450	12.9	43,900	3370	.59	.74	.89	12.2	41,700	3650	.60	.76	.91	11.6	39,500	3920	.62	.78	.93	10.9	37,300	4170	.63	.81	.96	
71°F (21.7°C)	495	1050	13.1	44,700	3400	.42	.54	.65	12.5	42,600	3690	.42	.54	.66	11.8	40,400	3960	.43	.55	.67	11.2	38,200	4220	.43	.56	.69	
	590	1250	13.5	45,900	3440	.43	.56	.68	12.8	43,700	3730	.43	.56	.70	12.1	41,200	4010	.43	.58	.72	11.5	39,100	4270	.44	.59	.74	
	685	1450	13.7	46,800	3470	.43	.58	.72	13.0	44,500	3760	.44	.59	.74	12.4	42,200	4050	.44	.60	.76	11.7	39,800	4310	.45	.62	.78	

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

## HS29-030 — CB31MV-41 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C						
63°F (17.2°C)	595	1265	11.7	39,800	3230	.73	.87	.99	11.1	37,800	3500	.75	.90	1.00	10.5	35,900	3740	.77	.92	1.00	9.9	33,900	3980	.79	.94	1.00	
	660	1400	11.9	40,600	3260	.76	.91	1.00	11.3	38,600	3520	.78	.93	1.00	10.7	36,600	3780	.80	.95	1.00	10.1	34,600	4020	.82	.98	1.00	
	730	1545	12.1	41,200	3280	.78	.94	1.00	11.5	39,200	3550	.80	.96	1.00	10.9	37,200	3810	.83	.98	1.00	10.3	35,300	4060	.85	1.00	1.00	
67°F (19.4°C)	595	1265	12.4	42,400	3320	.57	.71	.84	11.8	40,300	3600	.58	.73	.86	11.2	38,200	3860	.59	.74	.89	10.6	36,000	4100	.60	.76	.91	
	660	1400	12.6	43,000	3340	.59	.74	.88	12.0	40,800	3620	.60	.75	.90	11.3	38,700	3880	.61	.77	.92	10.7	36,500	4130	.62	.80	.95	
	730	1545	12.8	43,600	3360	.60	.76	.91	12.1	41,300	3640	.61	.78	.93	11.5	39,200	3910	.63	.80	.95	10.8	36,900	4150	.64	.83	.98	
71°F (21.7°C)	595	1265	13.2	45,200	3420	.43	.56	.68	12.6	43,000	3710	.43	.57	.70	12.0	40,800	3980	.43	.58	.72	11.3	38,500	4240	.44	.59	.74	
	660	1400	13.4	45,800	3440	.43	.57	.71	12.8	43,600	3730	.44	.58	.73	12.1	41,300	4010	.44	.60	.75	11.4	39,000	4270	.45	.61	.77	
	730	1545	13.6	46,300	3450	.44	.59	.74	12.9	44,100	3750	.44	.60	.76	12.2	41,700	4030	.45	.61	.78	11.5	39,400	4290	.45	.63	.80	

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

## HS29-042 — CB29M-46 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C						
63°F (17.2°C)	565	1200	11.9	40,500	3330	.73	.86	.98	11.3	38,600	3590	.74	.88	.99	10.7	36,500	3840	.76	.91	1.00	10.1	34,500	4080	.78	.93	1.00	
	635	1350	12.1	41,400	3350	.75	.90	1.00	11.5	39,300	3620	.77	.92	1.00	10.9	37,300	3880	.79	.94	1.00	10.3	35,300	4130	.81	.96	1.00	
	710	1500	12.3	42,100	3380	.78	.93	1.00	11.7	40,000	3650	.80	.95	1.00	11.1	38,000	3920	.82	.97	1.00	10.6	36,000	4170	.84	.99	1.00	
67°F (19.4°C)	565	1200	12.7	43,200	3410	.57	.70	.83	12.0	41,000	3690	.58	.72	.85	11.4	38,900	3960	.59	.73	.87	10.8	36,700	4210	.60	.75	.90	
	635	1350	12.8	43,800	3440	.58	.73	.87	12.2	41,700	3720	.59	.74	.89	11.6	39,500	3990	.60	.76	.91	10.9	37,300	4240	.62	.79	.94	
	710	1500	13.0	44,500	3460	.60	.75	.90	12.4	42,200	3750	.61	.77	.92	11.7	40,000	4020	.62	.79	.94	11.1	37,800	4270	.64	.82	.97	
71°F (21.7°C)	565	1200	13.5	46,000	3510	.43	.55	.68	12.8	43,800	3810	.43	.56	.69	12.2	41,600	4090	.43	.57	.71	11.5	39,300	4360	.44	.58	.73	
	635	1350	13.7	46,700	3530	.43	.57	.70	13.0	44,400	3840	.43	.58	.72	12.4	42,200	4120	.44	.59	.74	11.7	39,900	4390	.44	.60	.76	
	710	1500	13.9	47,300	3550	.44	.58	.73	13.2	45,000	3860	.44	.60	.75	12.5	42,700	4150	.45	.61	.77	11.8	40,300	4410	.45	.62	.79	

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

## HS29-042 — CB29M-51 - TXV System Only

Entering Wet Bulb Temperature		Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
				85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
				Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
							Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C						
63°F (17.2°C)	565	1200	12.1	41,200	3270	.73	.86	.98	11.5	39,100	3530	.74	.88	.99	10.9	37,100	3780	.76	.91	1.00	10.3	35,000	4020	.78	.93	1.00	
	660	1400	12.4	42,200	3310	.76	.91	1.00	11.8	40,100	3570	.78	.93	1.00	11.2	38,100	3830	.80	.95	1.00	10.6	36,000	4070	.82	.98	1.00	
	755	1600	12.7	43,200	3340	.79	.95	1.00	12.0	41,100	3610	.81	.97	1.00	11.4	39,000	3880	.84	.99	1.00	10.8	37,000	4130	.86	1.00	1.00	
67°F (19.4°C)	565	1200	12.8	43,800	3360	.57	.70	.83	12.2	41,700	3630	.58	.71	.85	11.6	39,500	3900	.59	.73	.87	10.9	37,200	4140	.60	.75	.90	
	660	1400	13.1	44,800	3390	.59	.74	.88	12.5	42,500	3670	.60	.75	.90	11.8	40,300	3940	.61	.77	.92	11.1	38,000	4190	.62	.80	.95	
	755	1600	13.3	45,500	3410	.61	.77	.92	12.7	43,200	3700	.62	.79	.94	12.0	40,900	3970	.63	.81	.96	11.3	38,600	4220	.65	.84	.99	
71°F (21.7°C)	565	1200	13.7	46,700	3450	.43	.55	.67	13.0	44,500	3750	.43	.56	.69	12.4	42,200	4030	.43	.57	.71	11.7	39,900	4290	.44	.58	.73	
	660	1400	14.0	47,700	3480	.43	.57	.71	13.3	45,400	3780	.44	.58	.73	12.6	43,000	4070	.44	.60	.75	11.9	40,600	4330	.45	.61	.77	
	755	1600	14.2	48,500	3510	.44	.59	.75	13.5	46,000	3810	.45	.61														

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-042 — CB30M-46 - CB30U-41/46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
	L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17.2°C)	590	1250	12.1	41,300	3270	.73	.87	.99	11.5	39,300	3530	.75	.89	1.00	10.9	37,200	3780	.77	.92	1.00	10.3	35,200	4020	.79	.94	1.00
	660	1400	12.3	42,100	3300	.76	.91	1.00	11.8	40,100	3560	.78	.93	1.00	11.1	38,000	3820	.80	.95	1.00	10.5	35,900	4060	.82	.98	1.00
	730	1550	12.6	42,900	3320	.79	.94	1.00	12.0	40,800	3590	.80	.96	1.00	11.3	38,700	3850	.83	.98	1.00	10.8	36,700	4100	.85	1.00	1.00
67°F (19.4°C)	590	1250	12.9	44,000	3360	.57	.71	.84	12.3	41,800	3630	.58	.72	.86	11.6	39,600	3900	.59	.74	.88	11.0	37,400	4140	.60	.76	.91
	660	1400	13.1	44,700	3380	.59	.74	.88	12.4	42,400	3660	.60	.75	.90	11.8	40,200	3930	.61	.77	.92	11.1	37,900	4170	.62	.80	.95
	730	1550	13.3	45,300	3400	.60	.76	.91	12.6	43,000	3680	.61	.78	.93	11.9	40,700	3950	.63	.80	.95	11.3	38,400	4200	.64	.83	.98
71°F (21.7°C)	590	1250	13.7	46,900	3450	.43	.56	.68	13.1	44,600	3750	.43	.56	.70	12.4	42,400	4030	.43	.58	.72	11.7	40,000	4290	.44	.59	.74
	660	1400	14.0	47,600	3470	.44	.57	.71	13.3	45,300	3770	.44	.58	.73	12.6	42,900	4050	.44	.60	.75	11.9	40,500	4320	.45	.61	.77
	730	1550	14.1	48,200	3490	.44	.59	.74	13.4	45,800	3790	.44	.60	.76	12.7	43,400	4080	.45	.62	.78	12.0	41,000	4340	.45	.63	.80

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

## HS29-042 — CB30M-51 - CB30U-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
	L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17.2°C)	565	1200	12.1	41,400	3280	.72	.86	.98	11.5	39,300	3550	.74	.88	1.00	10.9	37,200	3810	.75	.90	1.00	10.3	35,000	4040	.78	.93	1.00
	660	1400	12.5	42,500	3320	.76	.91	1.00	11.8	40,400	3600	.78	.93	1.00	11.2	38,200	3860	.80	.95	1.00	10.6	36,100	4100	.82	.98	1.00
	755	1600	12.7	43,500	3360	.79	.95	1.00	12.1	41,300	3640	.81	.97	1.00	11.5	39,200	3910	.84	.99	1.00	10.9	37,200	4160	.86	1.00	1.00
67°F (19.4°C)	565	1200	12.9	44,100	3380	.57	.70	.82	12.3	41,900	3660	.57	.71	.84	11.6	39,700	3930	.58	.73	.87	11.0	37,400	4180	.60	.75	.90
	660	1400	13.2	45,200	3410	.59	.73	.87	12.6	42,900	3700	.60	.75	.90	11.9	40,500	3970	.61	.77	.92	11.2	38,200	4220	.62	.79	.95
	755	1600	13.5	46,000	3440	.61	.77	.92	12.8	43,600	3730	.62	.79	.94	12.1	41,300	4010	.63	.81	.97	11.4	38,900	4260	.65	.84	.99
71°F (21.7°C)	565	1200	13.8	47,200	3480	.43	.55	.67	13.1	44,800	3780	.43	.56	.69	12.5	42,500	4060	.43	.57	.70	11.8	40,100	4330	.44	.58	.72
	660	1400	14.1	48,200	3510	.43	.57	.71	13.4	45,800	3820	.44	.58	.73	12.7	43,400	4110	.44	.59	.75	12.0	40,900	4370	.45	.61	.77
	755	1600	14.4	49,000	3540	.44	.59	.75	13.6	46,500	3850	.44	.61	.77	12.9	44,000	4140	.45	.62	.79	12.2	41,500	4410	.46	.64	.81

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

## HS29-042 — CB31MV-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
	L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17.2°C)	570	1205	12.1	41,400	3280	.72	.86	.98	11.5	39,300	3540	.74	.88	1.00	10.9	37,200	3800	.76	.90	1.00	10.3	35,100	4030	.78	.93	1.00
	670	1425	12.5	42,600	3320	.76	.91	1.00	11.9	40,500	3600	.78	.93	1.00	11.2	38,300	3850	.80	.96	1.00	10.6	36,200	4100	.82	.98	1.00
	765	1625	12.8	43,700	3360	.80	.96	1.00	12.2	41,500	3640	.82	.98	1.00	11.5	39,400	3910	.84	1.00	1.00	11.0	37,400	4170	.87	1.00	1.00
67°F (19.4°C)	570	1205	12.9	44,100	3380	.57	.70	.82	12.3	41,900	3650	.57	.71	.85	11.6	39,700	3920	.58	.73	.87	11.0	37,400	4170	.60	.75	.90
	670	1425	13.3	45,300	3410	.59	.74	.88	12.6	43,000	3700	.60	.76	.90	11.9	40,600	3970	.61	.78	.93	11.2	38,300	4220	.63	.80	.96
	765	1625	13.5	46,200	3440	.61	.78	.93	12.8	43,800	3730	.62	.80	.95	12.1	41,400	4000	.64	.82	.98	11.4	39,000	4260	.66	.85	1.00
71°F (21.7°C)	570	1205	13.8	47,200	3480	.43	.55	.67	13.2	44,900	3770	.43	.56	.69	12.5	42,500	4060	.43	.57	.70	11.8	40,100	4320	.44	.58	.72
	670	1425	14.2	48,300	3510	.43	.57	.71	13.5	45,900	3810	.44	.58	.73	12.7	43,500	4100	.44	.60	.75	12.0	41,000	4370	.45	.61	.78
	765	1625	14.4	49,100	3540	.44	.60	.75	13.7	46,700	3850	.45	.61	.77	13.0	44,200	4140	.45	.63	.80	12.2	41,600	4400	.46	.64	.82

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

## HS29-042 — CVP10-46/EC10Q4 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
	L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C				
63°F (17.2°C)	590	1250	11.6	39,700	3230	.74	.88	.99	11.1	37,800	3490	.75	.90	1.00	10.5	35,800	3730	.77	.92	1.00	9.9	33,900	3970	.79	.94	1.00
	660	1400	11.9	40,500	3260	.76	.91	1.00	11.3	38,500	3520	.78	.93	1.00	10.7	36,600	3770	.80	.95	1.00	10.1	34,600	4010	.82	.98	1.00
	730	1550	12.1	41,200	3280	.79	.94	1.00	11.5	39,200	3550	.81	.96	1.00	10.9	37,300	3800	.83	.98	1.00	10.3	35,300	4050	.85	1.00	1.00
67°F (19.4°C)	590	1250	12.4	42,300	3310	.57	.71	.84	11.8	40,200	3590	.58	.73	.86	11.2	38,100	3850	.59	.74	.89	10.5	35,900	4090	.61	.77	.91
	660	1400	12.6	42,900	3340	.59	.74	.88	12.0	40,800	3610	.60	.76	.90	11.3	38,600	3880	.61	.78	.93	10.7	36,500	4120	.63	.80	.95
	730	1550	12.7	43,500	3360	.61	.77	.91	12.1	41,300	3640	.62	.79	.93	11.5	39,100	3900	.63	.81	.96	10.8	37,000	4150	.65	.83	.98
71°F (21.7°C)	590	1250	13.2	45,100	3410	.43	.56	.69	12.6	42,900	3700	.43	.57	.70	11.9	40,700	3970	.43	.58	.72	11.3	38,500	4230	.44	.59	.74
	660	1400	13.4	45,800	3430	.43	.57	.71	12.7	43,500	3730	.44	.58	.73	12.1	41,300	4000	.44	.60	.75	11.4	39,000	4260	.45	.61	.78
	730	1550	13.6	46,300	3450	.44	.59	.74	12.9	44,100	3750	.44	.60	.76	12.2	41,700	4020	.45	.62	.78	11.5	39,400	4280	.46	.63	.81

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

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-042 — CVP10-51/EC10Q4 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	590	1250	12.1	41,300	3220	.73	.87	.99	11.5	39,200	3480	.75	.89	1.00	10.9	37,100	3730	.77	.92	1.00	10.3	35,100	3960	.79	.94	1.00
	660	1400	12.3	42,100	3250	.76	.91	1.00	11.7	40,000	3510	.78	.93	1.00	11.1	37,900	3760	.80	.95	1.00	10.5	35,800	4000	.82	.98	1.00
	730	1550	12.6	42,900	3270	.79	.94	1.00	11.9	40,700	3540	.81	.96	1.00	11.3	38,700	3800	.83	.98	1.00	10.7	36,600	4050	.85	1.00	1.00
67°F (19.4°C)	590	1250	12.9	44,000	3310	.57	.71	.84	12.3	41,800	3580	.58	.72	.86	11.6	39,500	3840	.59	.74	.88	10.9	37,300	4090	.60	.76	.91
	660	1400	13.1	44,700	3330	.59	.73	.88	12.5	42,500	3610	.60	.75	.90	11.8	40,200	3870	.61	.77	.92	11.1	37,900	4120	.62	.80	.95
	730	1550	13.3	45,400	3350	.60	.76	.91	12.6	43,000	3630	.61	.78	.93	11.9	40,700	3900	.63	.80	.96	11.3	38,400	4150	.64	.83	.98
71°F (21.7°C)	590	1250	13.8	47,000	3410	.43	.55	.68	13.1	44,700	3700	.43	.56	.70	12.4	42,300	3970	.43	.58	.72	11.7	40,000	4230	.44	.59	.74
	660	1400	14.0	47,700	3430	.43	.57	.71	13.3	45,400	3720	.44	.58	.73	12.6	43,000	4000	.44	.59	.75	11.9	40,600	4260	.45	.61	.77
	730	1550	14.2	48,300	3450	.44	.59	.74	13.5	45,900	3750	.44	.60	.76	12.7	43,500	4030	.45	.62	.78	12.0	41,000	4290	.45	.63	.81

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

## HS29-048 — C26-41 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	520	1100	12.6	43,100	3570	.69	.81	.92	12.0	41,100	3800	.70	.82	.94	11.4	39,000	4060	.71	.84	.96	10.8	37,000	4350	.73	.86	.98
	615	1300	13.0	44,400	3610	.72	.85	.96	12.4	42,400	3850	.73	.87	.98	11.8	40,300	4130	.75	.89	.99	11.2	38,100	4430	.76	.91	1.00
	710	1500	13.3	45,500	3650	.75	.89	.99	12.7	43,400	3900	.76	.91	1.00	12.1	41,200	4180	.78	.93	1.00	11.5	39,100	4490	.80	.95	1.00
67°F (19.4°C)	520	1100	13.5	46,000	3670	.55	.66	.77	12.9	43,900	3920	.55	.67	.79	12.3	41,800	4210	.56	.69	.81	11.6	39,600	4530	.57	.70	.83
	615	1300	13.9	47,300	3720	.56	.69	.82	13.2	45,100	3980	.57	.70	.83	12.6	42,900	4270	.58	.72	.86	11.9	40,600	4600	.59	.74	.88
	710	1500	14.2	48,300	3750	.58	.72	.86	13.5	46,100	4020	.59	.74	.88	12.8	43,700	4320	.60	.76	.90	12.1	41,300	4650	.61	.78	.92
71°F (21.7°C)	520	1100	14.4	49,200	3780	.42	.53	.63	13.8	47,000	4060	.42	.53	.65	13.1	44,700	4370	.42	.54	.66	12.4	42,400	4720	.43	.55	.67
	615	1300	14.8	50,500	3820	.42	.54	.66	14.1	48,200	4110	.43	.55	.68	13.4	45,800	4430	.43	.56	.69	12.7	43,400	4790	.43	.57	.71
	710	1500	15.1	51,500	3860	.43	.56	.70	14.4	49,100	4150	.43	.57	.71	13.7	46,700	4480	.44	.58	.73	13.0	44,200	4840	.44	.60	.75

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

## HS29-048 — C26-46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	565	1200	13.0	44,300	3640	.70	.83	.94	12.4	42,300	3890	.72	.85	.96	11.8	40,100	4170	.73	.87	.98	11.1	38,000	4480	.75	.89	1.00
	660	1400	13.4	45,600	3690	.73	.87	.98	12.7	43,500	3950	.75	.89	1.00	12.1	41,300	4230	.77	.91	1.00	11.5	39,100	4550	.79	.94	1.00
	755	1600	13.7	46,700	3730	.76	.91	1.00	13.0	44,500	3990	.78	.93	1.00	12.4	42,300	4290	.80	.95	1.00	11.8	40,100	4620	.82	.98	1.00
67°F (19.4°C)	565	1200	13.9	47,300	3750	.56	.68	.80	13.2	45,100	4020	.56	.69	.81	12.6	42,900	4320	.57	.70	.83	11.9	40,500	4650	.58	.72	.86
	660	1400	14.2	48,500	3790	.57	.71	.84	13.5	46,200	4070	.58	.72	.86	12.8	43,800	4380	.59	.74	.88	12.1	41,400	4720	.60	.76	.91
	755	1600	14.5	49,400	3820	.59	.74	.88	13.8	47,000	4110	.60	.76	.90	13.1	44,600	4420	.61	.78	.93	12.4	42,200	4770	.63	.80	.95
71°F (21.7°C)	565	1200	14.8	50,500	3860	.42	.54	.65	14.1	48,200	4160	.42	.54	.66	13.4	45,800	4490	.43	.55	.68	12.7	43,400	4850	.43	.56	.69
	660	1400	15.2	51,700	3900	.43	.56	.68	14.4	49,300	4200	.43	.56	.70	13.7	46,800	4540	.43	.57	.72	13.0	44,300	4910	.44	.59	.74
	755	1600	15.4	52,600	3930	.43	.58	.72	14.7	50,200	4240	.44	.59	.73	14.0	47,600	4590	.44	.60	.75	13.2	45,000	4960	.45	.61	.78

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

## HS29-048 — C23-51 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)				95°F (35°C)				105°F (41°C)				115°F (46°C)											
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb								
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	660	1400	13.7	46,700	3600	.73	.86	.98	13.0	44,500	3840	.74	.88	.99	12.4	42,300	4110	.76	.90	1.00	11.8	40,100	4410	.78	.93	1.00
	755	1600	14.0	47,700	3640	.75	.90	1.00	13.3	45,500	3880	.77	.92	1.00	12.7	43,300	4160	.79	.94	1.00	12.0	41,100	4470	.81	.96	1.00
	850	1800	14.2	48,600	3670	.78	.93	1.00	13.6	46,400	3920	.80	.95	1.00	13.0	44,200	4200	.82	.97	1.00	12.3	41,900	4530	.84	.99	1.00
67°F (19.4°C)	660	1400	14.6	49,700	3700	.57	.70	.83	13.9	47,400	3960	.58	.71	.85	13.2	45,100	4250	.59	.73	.87	12.5	42,700	4570	.60	.75	.90
	755	1600	14.9	50,700	3730	.58	.73	.87	14.2	48,300	3990	.59	.75	.89	13.4	45,800	4290	.60	.77	.91	12.7	43,400	4620	.62	.79	.94
	850	1800	15.1	51,400	3760	.60	.76	.90	14.4	49,000	4020	.61	.78	.93	13.6	46,500	4330	.62	.80	.95	12.9	44,000	4660	.64	.82	.97
71°F (21.7°C)	660	1400	15.6	53,100	3810	.43	.55	.67	14.8	50,600	4090	.43	.56	.69	14.1	48,200	4410	.43	.57	.71	13.4	45,600	4760	.44	.58	.73
	755	1600	15.8	54,000	3840	.43	.57	.71	15.1	51,500	4130	.43	.58	.72	14.3	48,900	4450	.44	.59	.74	13.6	46,300	4810	.44	.60	.76
	850	1800	16.0	54,700	3860	.44	.59	.74	15.3	52,200	4150	.44	.60	.75	14.5	49,500	4480	.45	.61	.78	13.7	46,900	4840	.45	.63	.80

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



# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-048 — C26-51/65 — TXV System Only — CR26-51 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	660	1400	13.6	46,400	3740	.73	.87	.98	12.9	44,100	4000	.75	.89	1.00	12.3	41,900	4300	.76	.91	1.00	11.6	39,600	4620	.78	.94	1.00
	755	1600	13.9	47,500	3780	.76	.91	1.00	13.2	45,200	4050	.78	.93	1.00	12.6	42,900	4350	.80	.95	1.00	11.9	40,600	4690	.82	.98	1.00
	850	1800	14.2	48,500	3810	.79	.95	1.00	13.5	46,200	4090	.81	.97	1.00	12.9	43,900	4410	.83	.99	1.00	12.2	41,700	4770	.86	1.00	1.00
67°F (19.4°C)	660	1400	14.5	49,400	3840	.57	.70	.83	13.8	47,000	4130	.58	.72	.86	13.1	44,600	4450	.59	.74	.88	12.3	42,100	4800	.60	.76	.90
	755	1600	14.7	50,300	3880	.59	.74	.88	14.0	47,900	4170	.60	.75	.90	13.3	45,400	4490	.61	.77	.92	12.6	42,900	4850	.62	.80	.95
	850	1800	15.0	51,100	3900	.61	.77	.92	14.2	48,600	4200	.62	.79	.94	13.5	46,100	4530	.63	.81	.96	12.7	43,500	4900	.65	.84	.99
71°F (21.7°C)	660	1400	15.4	52,700	3960	.43	.55	.68	14.7	50,200	4270	.43	.56	.69	14.0	47,600	4620	.43	.57	.71	13.2	45,000	5000	.44	.59	.73
	755	1600	15.7	53,600	3990	.44	.57	.71	15.0	51,100	4310	.44	.58	.73	14.2	48,500	4660	.44	.60	.75	13.4	45,800	5060	.45	.61	.77
	850	1800	15.9	54,400	4010	.44	.59	.75	15.2	51,800	4340	.44	.61	.77	14.4	49,100	4700	.45	.62	.79	13.6	46,300	5100	.46	.64	.81

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

## HS29-048 — C23-51/65 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	660	1400	13.4	45,800	3660	.72	.86	.98	12.8	43,700	3910	.74	.88	.99	12.2	41,500	4190	.76	.90	1.00	11.5	39,200	4500	.78	.93	1.00
	755	1600	13.7	46,900	3700	.75	.90	1.00	13.1	44,700	3950	.77	.92	1.00	12.4	42,400	4240	.79	.94	1.00	11.8	40,200	4560	.81	.96	1.00
	850	1800	14.0	47,800	3730	.78	.93	1.00	13.4	45,600	3990	.80	.95	1.00	12.7	43,300	4290	.82	.97	1.00	12.0	41,100	4630	.84	.99	1.00
67°F (19.4°C)	660	1400	14.3	48,900	3770	.57	.70	.83	13.7	46,600	4040	.57	.71	.85	13.0	44,200	4340	.58	.73	.87	12.3	41,800	4670	.60	.75	.89
	755	1600	14.6	49,800	3800	.58	.73	.87	13.9	47,400	4070	.59	.74	.89	13.2	45,000	4380	.60	.76	.91	12.5	42,500	4720	.62	.79	.94
	850	1800	14.8	50,600	3820	.60	.76	.90	14.1	48,100	4100	.61	.78	.93	13.4	45,600	4420	.62	.80	.95	12.6	43,100	4770	.64	.82	.97
71°F (21.7°C)	660	1400	15.3	52,200	3880	.43	.55	.67	14.6	49,800	4170	.43	.56	.69	13.9	47,300	4510	.43	.57	.70	13.1	44,800	4770	.44	.58	.72
	755	1600	15.6	53,100	3910	.43	.57	.70	14.8	50,600	4210	.43	.58	.72	14.1	48,100	4550	.44	.59	.74	13.3	45,500	4920	.44	.60	.76
	850	1800	15.8	53,800	3930	.44	.59	.73	15.0	51,300	4240	.44	.60	.75	14.3	48,700	4580	.45	.61	.77	13.5	46,000	4960	.45	.63	.80

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

## HS29-048 — C26-65EAP - TXV System Only — CH23-68 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	660	1400	14.2	48,300	3760	.72	.86	.98	13.5	46,000	4030	.74	.88	1.00	12.8	43,600	4330	.76	.91	1.00	12.1	41,200	4660	.78	.93	1.00
	755	1600	14.5	49,500	3800	.76	.90	1.00	13.8	47,000	4080	.77	.93	1.00	13.1	44,600	4390	.79	.95	1.00	12.4	42,200	4730	.82	.97	1.00
	850	1800	14.8	50,500	3840	.79	.94	1.00	14.1	48,000	4120	.81	.96	1.00	13.4	45,600	4440	.83	.98	1.00	12.7	43,200	4800	.85	1.00	1.00
67°F (19.4°C)	660	1400	15.1	51,500	3880	.57	.70	.83	14.4	49,000	4160	.58	.71	.85	13.6	46,500	4490	.59	.73	.87	12.9	43,900	4850	.60	.75	.90
	755	1600	15.4	52,600	3910	.59	.73	.87	14.7	50,000	4210	.60	.75	.89	13.9	47,300	4540	.61	.77	.92	13.1	44,700	4900	.62	.79	.94
	850	1800	15.6	53,400	3940	.60	.76	.91	14.9	50,800	4240	.61	.78	.93	14.1	48,100	4580	.63	.80	.96	13.3	45,400	4950	.64	.83	.98
71°F (21.7°C)	660	1400	16.1	55,000	3990	.43	.55	.67	15.4	52,400	4310	.43	.56	.69	14.6	49,700	4670	.43	.57	.71	13.8	47,000	5060	.44	.58	.73
	755	1600	16.4	56,100	4030	.43	.57	.71	15.6	53,400	4350	.44	.58	.72	14.8	50,600	4720	.44	.59	.74	14.0	47,800	5120	.44	.61	.77
	850	1800	16.7	56,900	4050	.44	.59	.74	15.9	54,100	4390	.44	.60	.76	15.0	51,300	4760	.45	.61	.78	14.2	48,400	5160	.45	.63	.80

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

## HS29-048 — CR26-65 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)				
				Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb				
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	660	1400	13.7	46,900	3730	.73	.86	.98	13.1	44,600	3990	.74	.88	1.00	12.4	42,400	4280	.76	.91	1.00	11.8	40,100	4600	.78	.93	1.00
	755	1600	14.1	48,000	3770	.76	.90	1.00	13.4	45,700	4030	.77	.93	1.00	12.7	43,400	4340	.79	.95	1.00	12.0	41,100	4670	.82	.97	1.00
	850	1800	14.4	49,000	3800	.79	.94	1.00	13.7	46,600	4070	.81	.96	1.00	13.0	44,300	4390	.83	.98	1.00	12.3	42,000	4740	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.7	50,000	3830	.57	.70	.83	14.0	47,600	4120	.58	.72	.85	13.2	45,100	4430	.59	.73	.87	12.5	42,600	4780	.60	.75	.90
	755	1600	14.9	51,000	3870	.59	.73	.87	14.2	48,500	4160	.60	.75	.89	13.5	45,900	4480	.61	.77	.92	12.7	43,400	4840	.62	.79	.94
	850	1800	15.2	51,700	3890	.60	.76	.91	14.4	49,200	4190	.62	.78	.93	13.7	46,600	4520	.63	.80	.96	12.9	44,000	4880	.64	.83	.98
71°F (21.7°C)	660	1400	15.6	53,300	3950	.43	.55	.68	14.9	50,900	4260	.43	.56	.69	14.2	48,300	4610	.43	.57	.71	13.4	45,600	4990	.44	.58	.73
	755	1600	15.9	54,300	3980	.43	.57	.71	15.2	51,700	4300	.44	.58	.73	14.4	49,100	4650	.44	.59	.75	13.6	46,400	5040	.45	.61	.77
	850	1800	16.1	55,100	4010	.44	.59	.74	15.4	52,400																

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-048 — CH23-51 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.5	46,200	3660	.74	.87	.98	12.9	44,000	3910	.75	.89	1.00	12.3	41,800	4190	.77	.92	1.00	11.6	39,600	4500	.79	.94	1.00
	755	1600	13.8	47,200	3690	.77	.91	1.00	13.2	45,000	3950	.78	.93	1.00	12.5	42,800	4240	.80	.96	1.00	11.9	40,600	4560	.83	.98	1.00
	850	1800	14.1	48,200	3720	.80	.95	1.00	13.5	45,900	3990	.82	.97	1.00	12.8	43,700	4290	.84	.99	1.00	12.2	41,600	4630	.86	1.00	1.00
67°F (19.4°C)	660	1400	14.4	49,000	3750	.57	.71	.84	13.7	46,700	4020	.58	.73	.86	13.0	44,300	4320	.59	.74	.88	12.3	41,900	4660	.60	.76	.91
	755	1600	14.6	49,900	3790	.59	.74	.88	13.9	47,500	4060	.60	.76	.90	13.2	45,100	4370	.61	.78	.93	12.5	42,700	4710	.63	.80	.95
	850	1800	14.9	50,700	3810	.61	.78	.92	14.1	48,200	4090	.62	.79	.94	13.4	45,800	4400	.64	.82	.96	12.7	43,300	4750	.65	.84	.98
71°F (21.7°C)	660	1400	15.3	52,200	3860	.43	.56	.69	14.6	49,800	4150	.43	.57	.70	13.9	47,300	4480	.43	.58	.72	13.1	44,800	4850	.44	.59	.74
	755	1600	15.6	53,100	3890	.43	.58	.72	14.8	50,600	4190	.44	.59	.74	14.1	48,100	4530	.44	.60	.76	13.3	45,500	4890	.45	.61	.78
	850	1800	15.8	53,800	3920	.44	.60	.75	15.0	51,300	4220	.45	.61	.77	14.3	48,700	4560	.45	.62	.79	13.5	46,000	4930	.46	.64	.82

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

## HS29-048 — CH23-65 - RFC or TXV Systems

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.7	46,600	3700	.73	.87	.98	13.0	44,300	3960	.75	.89	1.00	12.3	42,100	4250	.77	.91	1.00	11.7	39,800	4570	.79	.94	1.00
	755	1600	14.0	47,600	3740	.76	.91	1.00	13.3	45,400	4000	.78	.93	1.00	12.6	43,100	4300	.80	.95	1.00	12.0	40,900	4640	.82	.98	1.00
	850	1800	14.2	48,600	3770	.80	.95	1.00	13.6	46,300	4050	.81	.97	1.00	12.9	44,100	4360	.84	.99	1.00	12.3	41,900	4710	.86	1.00	1.00
67°F (19.4°C)	660	1400	14.5	49,500	3800	.57	.71	.84	13.8	47,100	4080	.58	.72	.86	13.1	44,700	4390	.59	.74	.88	12.4	42,300	4740	.60	.76	.91
	755	1600	14.8	50,500	3840	.59	.74	.88	14.1	48,000	4120	.60	.76	.90	13.3	45,500	4440	.61	.78	.93	12.6	43,000	4790	.63	.80	.95
	850	1800	15.0	51,200	3860	.61	.77	.92	14.3	48,700	4150	.62	.79	.94	13.5	46,200	4480	.63	.81	.96	12.8	43,700	4830	.65	.84	.98
71°F (21.7°C)	660	1400	15.5	52,800	3920	.43	.55	.68	14.7	50,300	4220	.43	.56	.70	14.0	47,800	4560	.43	.57	.71	13.2	45,200	4940	.44	.59	.73
	755	1600	15.7	53,700	3950	.43	.58	.72	15.0	51,200	4260	.44	.59	.73	14.2	48,600	4600	.44	.60	.75	13.5	45,900	4990	.45	.61	.78
	850	1800	15.9	54,400	3970	.44	.60	.75	15.2	51,900	4290	.45	.61	.77	14.4	49,200	4640	.45	.62	.79	13.6	46,500	5020	.46	.64	.81

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

## HS29-048 — CB30M-41 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	495	1050	12.5	42,600	3530	.68	.80	.90	11.9	40,600	3760	.69	.81	.92	11.3	38,600	4020	.70	.83	.94	10.7	36,600	4310	.72	.85	.97
	590	1250	12.9	44,100	3580	.71	.84	.95	12.3	42,000	3820	.72	.86	.97	11.7	39,900	4090	.74	.88	.99	11.1	37,800	4400	.75	.90	1.00
	685	1450	13.3	45,300	3620	.74	.88	.99	12.6	43,100	3870	.75	.90	1.00	12.0	41,000	4150	.77	.92	1.00	11.4	38,800	4460	.79	.94	1.00
67°F (19.4°C)	495	1050	13.4	45,600	3640	.54	.65	.76	12.7	43,500	3890	.55	.66	.78	12.1	41,400	4170	.55	.67	.79	11.5	39,200	4490	.56	.69	.81
	590	1250	13.8	47,100	3680	.56	.68	.80	13.2	44,900	3950	.56	.69	.82	12.5	42,600	4240	.57	.71	.84	11.8	40,300	4560	.58	.73	.86
	685	1450	14.1	48,100	3720	.57	.71	.84	13.5	45,900	3990	.58	.73	.87	12.7	43,500	4290	.59	.74	.89	12.0	41,100	4620	.60	.77	.91
71°F (21.7°C)	495	1050	14.3	48,800	3750	.42	.52	.62	13.7	46,600	4020	.42	.53	.64	13.0	44,300	4340	.42	.54	.65	12.3	42,000	4680	.42	.54	.66
	590	1250	14.7	50,200	3790	.42	.54	.66	14.1	48,000	4080	.42	.55	.67	13.4	45,600	4400	.43	.56	.68	12.7	43,200	4760	.43	.57	.70
	685	1450	15.0	51,300	3830	.43	.56	.69	14.4	49,000	4120	.43	.57	.70	13.6	46,500	4450	.43	.58	.72	12.9	44,000	4820	.44	.59	.74

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

## HS29-048 — CB31MV-41 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	595	1265	12.7	43,300	3550	.71	.84	.95	12.1	41,300	3790	.72	.86	.97	11.5	39,200	4060	.74	.88	.99	10.9	37,100	4360	.75	.90	1.00
	660	1400	13.0	44,200	3580	.73	.87	.98	12.3	42,100	3830	.74	.89	.99	11.7	40,000	4100	.76	.91	1.00	11.1	37,800	4410	.78	.93	1.00
	730	1545	13.2	44,900	3610	.75	.90	1.00	12.5	42,800	3860	.77	.92	1.00	11.9	40,700	4140	.79	.94	1.00	11.3	38,500	4450	.81	.96	1.00
67°F (19.4°C)	595	1265	13.6	46,300	3650	.56	.68	.80	12.9	44,100	3910	.57	.69	.82	12.3	41,900	4200	.57	.71	.84	11.6	39,600	4530	.58	.73	.87
	660	1400	13.8	47,000	3680	.57	.70	.83	13.1	44,800	3940	.58	.72	.85	12.5	42,500	4240	.59	.74	.88	11.8	40,200	4570	.60	.76	.90
	730	1545	14.0	47,700	3700	.58	.73	.86	13.3	45,400	3970	.59	.74	.89	12.6	43,100	4270	.60	.76	.91	11.9	40,700	4610	.62	.78	.93
71°F (21.7°C)	595	1265	14.5	49,400	3760	.42	.54	.66	13.8	47,100	4050	.43	.55	.67	13.1	44,800	4370	.43	.56	.68	12.4	42,400	4720	.43	.57	.70
	660	1400	14.7	50,100	3790	.43	.55	.68	14.0	47,800	4080	.43	.56	.69	13.3	45,400	4400	.43	.57	.						

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-048 — CB29M-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	615	1300	13.3	45,400	3660	.72	.85	.96	12.7	43,200	3910	.73	.87	.98	12.0	41,100	4190	.74	.89	.99	11.4	38,900	4490	.76	.91	1.00
	685	1450	13.6	46,300	3690	.74	.88	.99	12.9	44,000	3940	.75	.90	1.00	12.3	41,800	4230	.77	.92	1.00	11.6	39,600	4550	.79	.94	1.00
	755	1600	13.8	47,000	3720	.76	.91	1.00	13.1	44,800	3980	.78	.93	1.00	12.5	42,600	4270	.80	.95	1.00	11.8	40,300	4590	.82	.97	1.00
67°F (19.4°C)	615	1300	14.2	48,400	3760	.56	.69	.81	13.5	46,100	4030	.57	.70	.83	12.8	43,800	4340	.58	.72	.85	12.1	41,400	4670	.59	.74	.88
	685	1450	14.4	49,200	3790	.57	.71	.84	13.7	46,800	4060	.58	.73	.87	13.0	44,500	4370	.59	.74	.89	12.3	42,000	4710	.60	.77	.91
	755	1600	14.6	49,800	3820	.59	.73	.87	13.9	47,500	4090	.60	.75	.90	13.2	45,000	4400	.61	.77	.92	12.5	42,500	4750	.62	.79	.94
71°F (21.7°C)	615	1300	15.1	51,600	3880	.42	.54	.66	14.4	49,200	4170	.43	.55	.68	13.7	46,800	4500	.43	.56	.69	13.0	44,300	4870	.43	.57	.71
	685	1450	15.4	52,400	3900	.43	.56	.69	14.7	50,000	4200	.43	.57	.70	13.9	47,500	4540	.43	.58	.72	13.2	45,000	4910	.44	.59	.74
	755	1600	15.6	53,100	3920	.43	.57	.71	14.8	50,600	4230	.44	.58	.73	14.1	48,100	4570	.44	.59	.75	13.3	45,500	4940	.45	.61	.77

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

## HS29-048 — CB30M-46 - CB30U-41/46 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	590	1250	13.2	44,900	3600	.71	.84	.95	12.5	42,700	3840	.72	.86	.97	11.9	40,600	4110	.74	.88	.99	11.3	38,400	4420	.75	.90	1.00
	660	1400	13.4	45,800	3630	.73	.87	.98	12.8	43,600	3880	.74	.89	.99	12.1	41,400	4160	.76	.91	1.00	11.5	39,200	4470	.78	.93	1.00
	730	1550	13.7	46,600	3660	.75	.90	1.00	13.0	44,400	3910	.77	.92	1.00	12.4	42,200	4200	.79	.94	1.00	11.7	39,900	4520	.81	.96	1.00
67°F (19.4°C)	590	1250	14.0	47,900	3700	.56	.68	.80	13.4	45,600	3960	.56	.69	.82	12.7	43,300	4260	.57	.71	.84	12.0	41,000	4590	.58	.73	.86
	660	1400	14.3	48,700	3730	.57	.70	.83	13.6	46,400	4000	.58	.72	.85	12.9	44,000	4300	.59	.74	.88	12.2	41,600	4630	.60	.76	.90
	730	1550	14.5	49,400	3760	.58	.73	.86	13.8	47,100	4030	.59	.74	.89	13.1	44,600	4330	.60	.76	.91	12.4	42,200	4670	.62	.78	.93
71°F (21.7°C)	590	1250	15.0	51,100	3810	.42	.54	.66	14.3	48,800	4100	.42	.55	.67	13.6	46,400	4430	.43	.56	.68	12.9	43,900	4780	.43	.57	.70
	660	1400	15.2	51,900	3840	.43	.55	.68	14.5	49,600	4130	.43	.56	.69	13.8	47,100	4460	.43	.57	.71	13.1	44,600	4830	.44	.58	.73
	730	1550	15.4	52,600	3860	.43	.57	.70	14.7	50,200	4160	.43	.58	.72	14.0	47,700	4500	.44	.59	.74	13.2	45,100	4860	.44	.60	.76

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

## HS29-048 — CB29M-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	660	1400	13.5	46,200	3670	.73	.87	.98	12.9	44,100	3920	.74	.89	.99	12.3	41,900	4200	.76	.91	1.00	11.6	39,600	4510	.78	.93	1.00
	755	1600	13.9	47,300	3700	.76	.91	1.00	13.2	45,100	3960	.78	.93	1.00	12.5	42,800	4250	.80	.95	1.00	11.9	40,600	4580	.82	.97	1.00
	850	1800	14.1	48,200	3730	.79	.94	1.00	13.5	46,000	4000	.81	.96	1.00	12.8	43,700	4300	.83	.98	1.00	12.2	41,500	4640	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.4	49,200	3770	.57	.70	.83	13.7	46,900	4040	.58	.72	.85	13.0	44,500	4340	.59	.74	.88	12.3	42,100	4680	.60	.76	.90
	755	1600	14.7	50,100	3800	.59	.73	.87	14.0	47,800	4080	.60	.75	.90	13.3	45,300	4390	.61	.77	.92	12.5	42,800	4730	.62	.79	.94
	850	1800	14.9	50,900	3820	.60	.77	.91	14.2	48,400	4110	.62	.78	.93	13.5	45,900	4420	.63	.81	.96	12.7	43,400	4770	.64	.83	.98
71°F (21.7°C)	660	1400	15.4	52,500	3880	.43	.55	.68	14.7	50,100	4170	.43	.56	.69	14.0	47,600	4510	.43	.57	.71	13.2	45,000	4880	.44	.58	.73
	755	1600	15.6	53,400	3910	.43	.57	.71	14.9	50,900	4210	.44	.58	.73	14.2	48,400	4550	.44	.59	.75	13.4	45,800	4920	.45	.61	.77
	850	1800	15.9	54,100	3930	.44	.59	.74	15.1	51,600	4240	.44	.60	.76	14.3	48,900	4580	.45	.62	.78	13.6	46,300	4960	.45	.63	.81

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

## HS29-048 — CB30M-51 - CB30U-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	660	1400	13.5	46,000	3660	.73	.86	.98	12.8	43,800	3910	.74	.88	1.00	12.2	41,500	4200	.76	.91	1.00	11.5	39,200	4530	.78	.93	1.00
	755	1600	13.8	47,100	3700	.76	.90	1.00	13.1	44,800	3960	.77	.93	1.00	12.5	42,500	4260	.79	.95	1.00	11.8	40,200	4590	.82	.97	1.00
	850	1800	14.1	48,000	3730	.79	.94	1.00	13.4	45,700	4000	.81	.96	1.00	12.7	43,400	4310	.83	.98	1.00	12.1	41,200	4660	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.4	49,000	3760	.57	.70	.83	13.7	46,700	4050	.58	.71	.85	13.0	44,200	4360	.59	.73	.87	12.3	41,800	4700	.60	.75	.90
	755	1600	14.7	50,000	3800	.59	.73	.87	13.9	47,500	4080	.60	.75	.89	13.2	45,100	4410	.61	.77	.92	12.5	42,500	4760	.62	.79	.94
	850	1800	14.9	50,800	3820	.60	.76	.91	14.2	48,300	4120	.62	.78	.93	13.4	45,700	4440	.63	.80	.96	12.7	43,200	4800	.64	.83	.98
71°F (21.7°C)	660	1400	15.3	52,300	3880	.43	.55	.67	14.6	49,900	4190	.43	.56	.69	13.9	47,300	4530	.43	.57	.71	13.1	44,800	4910	.44	.58	.73
	755	1600	15.6	53,300	3910	.43	.57	.71	14.9	50,800	4220	.44	.58	.72	14.1	48,100	4580	.44	.59	.74	13.3	45,500	4960	.45	.61	.77
	850	180																								

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-048 — CB31MV-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	670	1425	13.5	46,000	3660	.73	.87	.99	12.8	43,800	3920	.75	.89	1.00	12.2	41,500	4220	.77	.92	1.00	11.5	39,200	4540	.79	.94	1.00
	765	1625	13.7	46,900	3700	.76	.91	1.00	13.1	44,700	3960	.78	.93	1.00	12.4	42,400	4260	.80	.95	1.00	11.8	40,100	4600	.82	.98	1.00
	850	1805	14.0	47,800	3730	.79	.94	1.00	13.3	45,500	4000	.81	.96	1.00	12.7	43,200	4310	.83	.98	1.00	12.0	41,000	4660	.85	1.00	1.00
67°F (19.4°C)	670	1425	14.4	49,000	3770	.57	.71	.84	13.7	46,600	4050	.58	.72	.86	13.0	44,200	4370	.59	.74	.88	12.2	41,700	4710	.60	.76	.91
	765	1625	14.6	49,900	3800	.59	.74	.88	13.9	47,400	4090	.60	.75	.90	13.2	44,900	4410	.61	.77	.92	12.4	42,400	4760	.62	.80	.95
	850	1805	14.8	50,500	3820	.60	.76	.91	14.1	48,000	4110	.62	.78	.93	13.3	45,500	4440	.63	.81	.96	12.6	43,000	4800	.64	.83	.98
71°F (21.7°C)	670	1425	15.3	52,300	3880	.43	.55	.68	14.6	49,800	4190	.43	.56	.70	13.9	47,300	4540	.43	.57	.72	13.1	44,700	4920	.44	.59	.74
	765	1625	15.6	53,100	3910	.43	.57	.71	14.8	50,600	4230	.44	.58	.73	14.1	48,000	4580	.44	.60	.75	13.3	45,300	4960	.45	.61	.77
	850	1805	15.8	53,800	3930	.44	.59	.74	15.0	51,200	4250	.44	.60	.76	14.2	48,500	4610	.45	.62	.78	13.4	45,800	5000	.45	.63	.81

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

## HS29-048 — CB30M-65 - CB30U-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.6	46,500	3720	.73	.86	.98	13.0	44,300	3980	.74	.88	1.00	12.3	42,000	4280	.76	.91	1.00	11.6	39,700	4610	.78	.93	1.00
	755	1600	14.0	47,600	3760	.76	.90	1.00	13.3	45,300	4030	.77	.93	1.00	12.6	43,000	4340	.79	.95	1.00	11.9	40,700	4670	.82	.97	1.00
	850	1800	14.2	48,600	3790	.79	.94	1.00	13.5	46,200	4070	.81	.96	1.00	12.9	43,900	4390	.83	.98	1.00	12.2	41,600	4750	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.5	49,600	3830	.57	.70	.83	13.8	47,200	4120	.58	.71	.85	13.1	44,700	4440	.59	.73	.87	12.4	42,200	4790	.60	.75	.90
	755	1600	14.8	50,600	3870	.59	.73	.87	14.1	48,100	4160	.60	.75	.89	13.4	45,600	4490	.61	.77	.92	12.6	43,000	4840	.62	.79	.94
	850	1800	15.1	51,400	3890	.60	.76	.91	14.3	48,800	4190	.61	.78	.93	13.6	46,300	4520	.63	.80	.96	12.8	43,700	4890	.64	.83	.98
71°F (21.7°C)	660	1400	15.5	53,000	3950	.43	.55	.67	14.8	50,400	4260	.43	.56	.69	14.0	47,900	4610	.43	.57	.71	13.3	45,300	5000	.44	.58	.73
	755	1600	15.8	53,900	3980	.43	.57	.71	15.1	51,400	4300	.44	.58	.72	14.3	48,700	4660	.44	.59	.74	13.5	46,000	5050	.44	.61	.77
	850	1800	16.0	54,700	4010	.44	.59	.74	15.3	52,100	4330	.44	.60	.76	14.5	49,400	4700	.45	.61	.78	13.7	46,600	5100	.45	.63	.80

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

## HS29-048 — CB31MV-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	670	1425	13.8	47,000	3740	.73	.87	.99	13.1	44,700	4010	.75	.89	1.00	12.4	42,400	4300	.77	.92	1.00	11.8	40,100	4630	.79	.94	1.00
	765	1625	14.0	47,900	3770	.76	.91	1.00	13.4	45,600	4050	.78	.93	1.00	12.7	43,300	4350	.80	.95	1.00	12.0	41,000	4690	.82	.98	1.00
	850	1805	14.3	48,800	3800	.79	.94	1.00	13.6	46,400	4080	.81	.96	1.00	12.9	44,100	4400	.83	.98	1.00	12.3	41,800	4760	.85	1.00	1.00
67°F (19.4°C)	670	1425	14.7	50,000	3850	.57	.71	.84	14.0	47,600	4130	.58	.72	.86	13.2	45,100	4460	.59	.74	.88	12.5	42,600	4810	.60	.76	.91
	765	1625	14.9	50,900	3880	.59	.74	.88	14.2	48,400	4170	.60	.75	.90	13.5	45,900	4500	.61	.77	.92	12.7	43,300	4860	.62	.80	.95
	850	1805	15.1	51,600	3900	.60	.76	.91	14.4	49,000	4200	.62	.78	.93	13.6	46,500	4530	.63	.81	.96	12.9	43,900	4900	.64	.83	.98
71°F (21.7°C)	670	1425	15.6	53,400	3960	.43	.55	.68	14.9	50,900	4280	.43	.56	.70	14.2	48,300	4630	.43	.57	.72	13.4	45,600	5020	.44	.59	.74
	765	1625	15.9	54,200	3990	.43	.57	.71	15.2	51,700	4310	.44	.58	.73	14.4	49,000	4670	.44	.60	.75	13.6	46,300	5070	.45	.61	.77
	850	1805	16.1	54,900	4010	.44	.59	.74	15.3	52,300	4340	.44	.60	.76	14.5	49,600	4710	.45	.62	.78	13.7	46,800	5110	.45	.63	.81

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

## HS29-048 — CVP10-51/EC10Q4 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	660	1400	13.2	44,900	3710	.73	.86	.98	12.5	42,700	3960	.74	.88	.99	11.9	40,500	4260	.76	.90	1.00	11.2	38,300	4570	.78	.93	1.00
	755	1600	13.5	46,000	3750	.76	.90	1.00	12.8	43,800	4010	.77	.92	1.00	12.2	41,500	4310	.79	.95	1.00	11.5	39,300	4640	.81	.97	1.00
	850	1800	13.7	46,900	3780	.79	.94	1.00	13.1	44,700	4050	.80	.96	1.00	12.5	42,500	4360	.83	.98	1.00	11.8	40,300	4710	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.0	47,800	3820	.57	.70	.83	13.4	45,600	4090	.58	.71	.85	12.7	43,200	4410	.59	.73	.87	12.0	40,800	4750	.60	.75	.90
	755	1600	14.3	48,800	3850	.58	.73	.87	13.6	46,500	4140	.59	.75	.89	12.9	44,000	4460	.61	.77	.92	12.2	41,600	4810	.62	.79	.94
	850	1800	14.5	49,600	3880	.60	.76	.91	13.8	47,200	4170	.61	.78	.93	13.1	44,700	4490	.63	.80	.95	12.4	42,200	4850	.64	.83	.98
71°F (21.7°C)	660	1400	15.0	51,100	3930	.43	.55	.67	14.3	48,700	4230	.43	.56	.69	13.5	46,200	4580	.43	.57	.71	12.8	43,700	4960	.44	.58	.72
	755	1600	15.2	52,000	3960	.43	.57	.71	14.5	49,600	4270	.44	.58	.72	13.8	47,100	4630	.44	.59	.74	13.0					

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-048 — CVP10-65/EC10Q5 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	660	1400	13.5	46,000	3720	.73	.87	.99	12.8	43,800	3980	.75	.89	1.00	12.2	41,600	4270	.77	.92	1.00	11.5	39,300	4590	.79	.94	1.00
	755	1600	13.8	47,100	3760	.77	.92	1.00	13.2	44,900	4020	.78	.94	1.00	12.5	42,600	4330	.80	.96	1.00	11.8	40,400	4660	.83	.98	1.00
	850	1800	14.1	48,100	3790	.80	.95	1.00	13.5	45,900	4070	.82	.97	1.00	12.8	43,600	4390	.84	.99	1.00	12.2	41,500	4740	.86	1.00	1.00
67°F (19.4°C)	660	1400	14.3	48,900	3820	.57	.71	.84	13.7	46,600	4100	.58	.72	.86	13.0	44,200	4420	.59	.74	.88	12.3	41,800	4760	.60	.76	.91
	755	1600	14.6	49,900	3860	.59	.74	.88	13.9	47,500	4140	.60	.76	.91	13.2	45,000	4460	.61	.78	.93	12.5	42,500	4820	.63	.80	.95
	850	1800	14.9	50,700	3880	.61	.78	.92	14.1	48,200	4180	.62	.80	.95	13.4	45,700	4500	.64	.82	.97	12.7	43,200	4870	.65	.84	.99
71°F (21.7°C)	660	1400	15.3	52,200	3940	.43	.56	.68	14.6	49,800	4240	.43	.57	.70	13.8	47,200	4590	.43	.58	.72	13.1	44,700	4970	.44	.59	.74
	755	1600	15.6	53,200	3970	.43	.58	.72	14.8	50,600	4280	.44	.59	.74	14.1	48,000	4630	.44	.60	.76	13.3	45,400	5020	.45	.61	.78
	850	1800	15.8	53,900	3990	.44	.60	.75	15.0	51,300	4310	.45	.61	.77	14.3	48,700	4670	.45	.63	.80	13.5	46,000	5060	.46	.64	.82

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

## HS29-060 — C26-51/65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	660	1400	15.9	54,200	4690	.69	.82	.93	15.2	51,800	5050	.71	.83	.95	14.4	49,300	5400	.72	.85	.97	13.6	46,500	5770	.73	.87	.99
	755	1600	16.3	55,700	4750	.72	.85	.97	15.6	53,100	5110	.73	.87	.98	14.8	50,500	5480	.75	.89	1.00	14.0	47,700	5840	.77	.92	1.00
	850	1800	16.6	56,800	4800	.74	.89	.99	15.9	54,200	5170	.76	.91	1.00	15.1	51,500	5540	.78	.93	1.00	14.2	48,600	5920	.80	.95	1.00
67°F (19.4°C)	660	1400	16.9	57,800	4850	.55	.67	.78	16.2	55,300	5220	.56	.68	.80	15.4	52,500	5600	.56	.69	.82	14.5	49,600	5980	.57	.71	.84
	755	1600	17.3	59,200	4900	.56	.69	.82	16.6	56,500	5290	.57	.71	.84	15.7	53,600	5670	.58	.72	.86	14.8	50,500	6050	.59	.74	.88
	850	1800	17.6	60,200	4950	.58	.72	.85	16.8	57,400	5340	.59	.73	.87	16.0	54,500	5720	.60	.75	.90	15.0	51,300	6110	.61	.78	.92
71°F (21.7°C)	660	1400	18.1	61,800	5020	.42	.53	.64	17.3	59,000	5420	.42	.54	.65	16.4	56,100	5820	.42	.55	.67	15.5	53,000	6220	.43	.56	.68
	755	1600	18.5	63,100	5080	.42	.55	.67	17.6	60,200	5480	.43	.55	.68	16.8	57,200	5890	.43	.56	.70	15.8	54,000	6290	.43	.58	.72
	850	1800	18.8	64,100	5120	.43	.56	.69	17.9	61,200	5530	.43	.57	.71	17.0	58,100	5940	.44	.58	.73	16.0	54,700	6350	.44	.60	.75

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

## HS29-060 — C23-51/65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	800	1700	16.7	57,100	4730	.72	.86	.97	16.0	54,500	5090	.74	.88	.99	15.2	51,800	5460	.75	.90	1.00	14.3	48,900	5820	.77	.92	1.00
	895	1900	17.1	58,200	4780	.75	.89	1.00	16.3	55,500	5140	.76	.91	1.00	15.4	52,700	5510	.78	.93	1.00	14.6	49,800	5880	.80	.96	1.00
	990	2100	17.3	59,100	4810	.77	.92	1.00	16.5	56,400	5190	.79	.94	1.00	15.7	53,600	5560	.81	.96	1.00	14.9	50,700	5950	.83	.98	1.00
67°F (19.4°C)	800	1700	17.8	60,800	4880	.57	.70	.83	17.0	57,900	5260	.57	.71	.85	16.1	55,000	5650	.58	.73	.87	15.2	51,900	6030	.60	.75	.89
	895	1900	18.1	61,700	4930	.58	.72	.86	17.2	58,800	5310	.59	.74	.88	16.4	55,900	5690	.60	.76	.90	15.4	52,600	6080	.61	.78	.93
	990	2100	18.3	62,500	4960	.59	.75	.89	17.5	59,600	5350	.60	.76	.91	16.6	56,500	5730	.62	.79	.94	15.6	53,300	6120	.63	.81	.96
71°F (21.7°C)	800	1700	19.0	64,700	5060	.43	.55	.67	18.1	61,800	5460	.43	.56	.69	17.2	58,700	5860	.43	.57	.70	16.2	55,400	6270	.44	.58	.72
	895	1900	19.3	65,700	5100	.43	.56	.70	18.4	62,700	5500	.43	.57	.71	17.5	59,600	5910	.44	.59	.73	16.5	56,200	6320	.44	.60	.76
	990	2100	19.5	66,500	5130	.44	.58	.72	18.6	63,400	5540	.44	.59	.74	17.6	60,200	5950	.44	.60	.76	16.6	56,700	6360	.45	.62	.79

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

## HS29-060 — C26-65EAP — CH23-68 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	755	1600	16.9	57,700	4800	.71	.85	.96	16.1	55,100	5160	.73	.86	.98	15.3	52,300	5530	.74	.88	1.00	14.4	49,300	5900	.76	.91	1.00
	850	1800	17.3	58,900	4850	.74	.88	.99	16.5	56,200	5220	.75	.90	1.00	15.6	53,300	5600	.77	.92	1.00	14.7	50,300	5970	.79	.95	1.00
	945	2000	17.6	60,000	4890	.76	.91	1.00	16.8	57,200	5270	.78	.93	1.00	15.9	54,300	5650	.80	.95	1.00	15.0	51,300	6040	.82	.98	1.00
67°F (19.4°C)	755	1600	18.0	61,500	4960	.56	.69	.81	17.2	58,700	5350	.57	.70	.83	16.3	55,700	5730	.58	.72	.85	15.4	52,500	6120	.59	.74	.88
	850	1800	18.3	62,600	5010	.57	.71	.84	17.5	59,700	5400	.58	.73	.87	16.6	56,600	5790	.59	.75	.89	15.6	53,300	6180	.61	.77	.92
	945	2000	18.6	63,600	5050	.59	.74	.88	17.7	60,500	5440	.60	.75	.90	16.8	57,400	5840	.61	.77	.92	15.8	54,000	6230	.62	.80	.95
71°F (21.7°C)	755	1600	19.3	65,700	5140	.42	.54	.66	18.4	62,700	5550	.43	.55	.67	17.4	59,500	5960	.43	.56	.69	16.4	56,100	6380	.43	.57	.71
	850	1800	19.6	66,800	5190	.43	.56	.69	18.7	63,700	5610	.43	.57	.70	17.7	60,400	6020	.43	.58	.72	16.7	56,900	6430	.44	.59	.74
	945	2000																								

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-060 — CR26-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C					
63°F (17.2°C)	710	1500	16.0	54,600	4630	.71	.83	.95	15.3	52,200	4980	.72	.85	.96	14.6	49,700	5330	.73	.87	.98	13.8	47,000	5690	.75	.89	1.00
	800	1700	16.4	55,800	4680	.73	.87	.98	15.6	53,300	5040	.74	.88	.99	14.9	50,700	5400	.76	.91	1.00	14.0	47,900	5760	.78	.93	1.00
	895	1900	16.6	56,800	4720	.75	.90	1.00	15.9	54,300	5080	.77	.92	1.00	15.1	51,600	5450	.79	.94	1.00	14.3	48,800	5820	.81	.96	1.00
67°F (19.4°C)	710	1500	17.1	58,200	4780	.56	.68	.80	16.3	55,600	5150	.56	.69	.82	15.5	52,900	5520	.57	.71	.84	14.6	49,900	5900	.58	.72	.86
	800	1700	17.3	59,200	4830	.57	.70	.83	16.6	56,600	5200	.58	.72	.85	15.8	53,800	5570	.59	.73	.87	14.9	50,700	5950	.60	.76	.90
	895	1900	17.6	60,100	4860	.58	.73	.87	16.8	57,400	5240	.59	.74	.89	16.0	54,500	5620	.60	.76	.91	15.1	51,400	6000	.62	.79	.93
71°F (21.7°C)	710	1500	18.2	62,000	4940	.42	.54	.65	17.4	59,300	5330	.42	.54	.67	16.5	56,400	5730	.43	.55	.68	15.6	53,300	6130	.43	.56	.70
	800	1700	18.5	63,100	4990	.43	.55	.68	17.7	60,300	5380	.43	.56	.69	16.8	57,300	5780	.43	.57	.71	15.9	54,100	6180	.44	.58	.73
	895	1900	18.8	64,000	5020	.43	.57	.71	17.9	61,100	5420	.43	.58	.72	17.0	58,100	5830	.44	.59	.74	16.1	54,800	6230	.44	.60	.76

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

## HS29-060 — CR26-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	850	1800	17.1	58,300	4780	.74	.88	.99	16.3	55,600	5150	.75	.90	1.00	15.5	52,800	5520	.77	.92	1.00	14.6	49,900	5890	.79	.95	1.00
	945	2000	17.4	59,300	4830	.76	.91	1.00	16.6	56,600	5200	.78	.93	1.00	15.8	53,800	5570	.80	.95	1.00	14.9	50,800	5960	.82	.98	1.00
	1040	2200	17.6	60,200	4860	.79	.94	1.00	16.9	57,500	5240	.81	.96	1.00	16.0	54,700	5620	.83	.98	1.00	15.2	51,700	6020	.85	1.00	1.00
67°F (19.4°C)	850	1800	18.1	61,800	4930	.58	.71	.85	17.3	59,000	5320	.58	.73	.87	16.4	56,000	5710	.59	.75	.89	15.5	52,800	6090	.61	.77	.92
	945	2000	18.4	62,700	4970	.59	.74	.88	17.5	59,800	5360	.60	.76	.90	16.6	56,700	5750	.61	.78	.92	15.6	53,400	6140	.63	.80	.95
	1040	2200	18.6	63,500	5000	.60	.76	.91	17.7	60,500	5400	.62	.78	.93	16.8	57,300	5790	.63	.80	.95	15.8	54,000	6180	.64	.83	.98
71°F (21.7°C)	850	1800	19.3	65,900	5110	.43	.56	.69	18.4	62,900	5520	.43	.57	.70	17.5	59,700	5920	.44	.58	.72	16.5	56,300	6330	.44	.59	.74
	945	2000	19.6	66,800	5150	.43	.57	.72	18.7	63,700	5560	.44	.59	.73	17.7	60,400	5970	.44	.60	.75	16.7	57,000	6380	.45	.61	.78
	1040	2200	19.8	67,500	5180	.44	.59	.74	18.9	64,400	5590	.44	.60	.76	17.9	61,000	6000	.45	.62	.78	16.9	57,500	6420	.45	.63	.81

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

## HS29-060 — CH23-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	850	1800	17.0	58,100	4740	.75	.89	.99	16.3	55,500	5100	.76	.91	1.00	15.5	52,800	5470	.78	.93	1.00	14.6	49,900	5840	.80	.95	1.00
	945	2000	17.3	59,100	4780	.77	.92	1.00	16.6	56,500	5150	.79	.94	1.00	15.7	53,700	5530	.81	.96	1.00	14.9	50,800	5910	.83	.98	1.00
	1040	2200	17.6	60,000	4820	.80	.95	1.00	16.8	57,400	5200	.82	.97	1.00	16.0	54,600	5580	.84	.98	1.00	15.2	51,800	5970	.86	1.00	1.00
67°F (19.4°C)	850	1800	18.0	61,500	4880	.58	.72	.86	17.2	58,700	5260	.59	.74	.88	16.3	55,700	5640	.60	.76	.90	15.4	52,600	6030	.61	.78	.93
	945	2000	18.3	62,300	4920	.60	.75	.89	17.4	59,500	5300	.61	.77	.91	16.6	56,500	5690	.62	.79	.93	15.6	53,200	6070	.63	.81	.96
	1040	2200	18.5	63,100	4950	.61	.78	.92	17.6	60,200	5340	.62	.79	.94	16.7	57,100	5720	.64	.82	.96	15.8	53,800	6110	.65	.84	.98
71°F (21.7°C)	850	1800	19.2	65,400	5050	.43	.56	.70	18.3	62,500	5450	.43	.57	.71	17.4	59,400	5850	.44	.58	.73	16.4	56,000	6260	.44	.60	.75
	945	2000	19.4	66,300	5080	.44	.58	.73	18.6	63,300	5490	.44	.59	.74	17.6	60,100	5890	.44	.60	.76	16.6	56,600	6300	.45	.62	.79
	1040	2200	19.6	67,000	5110	.44	.60	.75	18.7	63,900	5520	.45	.61	.77	17.8	60,600	5930	.45	.62	.79	16.7	57,100	6340	.46	.64	.82

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

## HS29-060 — CB29M-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)					95°F (35°C)					105°F (41°C)					115°F (46°C)								
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	825	1750	16.7	57,100	4630	.74	.88	.98	16.0	54,600	4980	.75	.89	1.00	15.2	52,000	5330	.77	.91	1.00	14.4	49,100	5700	.79	.94	1.00
	850	1800	16.8	57,400	4640	.74	.88	.99	16.1	54,900	4990	.76	.90	1.00	15.3	52,200	5350	.77	.92	1.00	14.4	49,300	5710	.79	.95	1.00
	875	1850	16.9	57,600	4650	.75	.89	.99	16.1	55,100	5000	.76	.91	1.00	15.4	52,400	5360	.78	.93	1.00	14.5	49,600	5730	.80	.95	1.00
67°F (19.4°C)	825	1750	17.8	60,600	4770	.57	.71	.84	17.0	57,900	5140	.58	.73	.86	16.1	55,000	5510	.59	.74	.88	15.2	51,900	5880	.60	.76	.91
	850	1800	17.8	60,800	4780	.58	.72	.85	17.0	58,100	5150	.59	.73	.87	16.2	55,200	5520	.60	.75	.89	15.3	52,100	5890	.61	.77	.92
	875	1850	17.9	61,000	4790	.58	.72	.86	17.1	58,300	5160	.59	.74	.88	16.2	55,400	5530	.60	.76	.90	15.3	52,200	5900	.61	.78	.93
71°F (21.7°C)	825	1750	18.9	64,500	4930	.43	.56	.69	18.1	61,600	5320	.43	.57	.70	17.2	58,600	5710	.43	.58	.72	16.2	55,300	6110	.44	.59	.74
	850	1800	19.0	64,700	4940	.43	.56	.69	18.1	61,800	5330	.43	.57	.71	17.2	58,800	5720	.44	.58	.73	16.3	55,500	6120	.4		

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-060 — CB29M-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	755	1600	16.6	56,600	4590	.72	.85	.96	15.9	54,100	4940	.73	.87	.98	15.1	51,500	5290	.75	.89	.99	14.2	48,600	5650	.76	.91	1.00
	850	1800	16.9	57,700	4640	.74	.88	.99	16.1	55,100	4990	.76	.90	1.00	15.4	52,400	5350	.77	.92	1.00	14.5	49,600	5710	.79	.95	1.00
	945	2000	17.2	58,600	4680	.77	.91	1.00	16.4	56,000	5040	.78	.93	1.00	15.6	53,300	5400	.80	.95	1.00	14.8	50,500	5770	.82	.97	1.00
67°F (19.4°C)	755	1600	17.6	60,100	4740	.56	.69	.82	16.9	57,500	5100	.57	.70	.84	16.0	54,700	5470	.58	.72	.86	15.1	51,600	5840	.59	.74	.88
	850	1800	17.9	61,100	4780	.58	.72	.85	17.1	58,400	5150	.59	.73	.87	16.3	55,500	5520	.60	.75	.89	15.3	52,300	5890	.61	.77	.92
	945	2000	18.1	61,900	4810	.59	.74	.88	17.3	59,200	5180	.60	.76	.90	16.5	56,200	5560	.61	.78	.93	15.5	53,000	5940	.63	.80	.95
71°F (21.7°C)	755	1600	18.8	64,000	4900	.42	.55	.67	17.9	61,200	5280	.43	.55	.68	17.1	58,300	5670	.43	.56	.70	16.1	55,000	6070	.43	.57	.72
	850	1800	19.0	65,000	4940	.43	.56	.69	18.2	62,200	5330	.43	.57	.71	17.3	59,100	5720	.44	.58	.73	16.4	55,800	6120	.44	.59	.75
	945	2000	19.3	65,800	4970	.43	.58	.72	18.4	62,900	5360	.44	.59	.74	17.5	59,800	5760	.44	.60	.76	16.5	56,400	6160	.45	.61	.78

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

## HS29-060 — CB30M-51 - CB30U-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	660	1400	16.2	55,200	4560	.69	.81	.92	15.5	52,800	4910	.70	.83	.94	14.7	50,100	5250	.71	.85	.96	13.9	47,300	5600	.73	.87	.99
	755	1600	16.6	56,700	4620	.71	.85	.96	15.9	54,100	4970	.73	.86	.98	15.0	51,300	5320	.74	.88	1.00	14.2	48,400	5690	.76	.91	1.00
	850	1800	16.9	57,800	4670	.74	.88	.99	16.2	55,200	5030	.75	.90	1.00	15.4	52,400	5390	.77	.92	1.00	14.5	49,400	5750	.79	.95	1.00
67°F (19.4°C)	660	1400	17.3	59,000	4710	.55	.66	.78	16.5	56,400	5080	.56	.67	.79	15.7	53,500	5450	.56	.69	.81	14.8	50,500	5820	.57	.70	.83
	755	1600	17.7	60,300	4770	.56	.69	.81	16.9	57,600	5150	.57	.70	.83	16.0	54,700	5520	.58	.72	.85	15.1	51,500	5890	.59	.74	.88
	850	1800	18.0	61,400	4820	.58	.71	.85	17.2	58,600	5190	.58	.73	.87	16.3	55,500	5570	.59	.75	.89	15.3	52,300	5950	.61	.77	.92
71°F (21.7°C)	660	1400	18.5	63,000	4890	.42	.53	.64	17.6	60,200	5280	.42	.54	.65	16.8	57,200	5670	.42	.54	.66	15.9	54,100	6060	.43	.55	.68
	755	1600	18.9	64,400	4940	.42	.54	.66	18.0	61,500	5340	.43	.55	.68	17.1	58,400	5740	.43	.56	.69	16.1	55,100	6130	.43	.57	.71
	850	1800	19.2	65,500	4990	.43	.56	.69	18.3	62,500	5390	.43	.57	.70	17.4	59,300	5790	.44	.58	.72	16.4	55,900	6190	.44	.59	.74

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

## HS29-060 — CB31MV-51 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	670	1425	16.2	55,300	4570	.70	.82	.93	15.5	52,800	4920	.71	.84	.95	14.7	50,100	5270	.72	.86	.97	13.9	47,300	5620	.74	.88	.99
	765	1625	16.6	56,500	4620	.72	.85	.97	15.8	53,900	4970	.73	.87	.98	15.0	51,200	5330	.75	.89	1.00	14.2	48,300	5680	.77	.91	1.00
	850	1805	16.9	57,600	4660	.74	.88	.99	16.1	54,900	5020	.75	.90	1.00	15.3	52,100	5380	.77	.92	1.00	14.4	49,200	5750	.79	.95	1.00
67°F (19.4°C)	670	1425	17.3	59,100	4720	.55	.67	.79	16.5	56,400	5090	.56	.68	.80	15.7	53,500	5460	.56	.69	.82	14.8	50,500	5830	.57	.71	.84
	765	1625	17.6	60,200	4780	.56	.69	.82	16.8	57,400	5150	.57	.70	.83	16.0	54,500	5520	.58	.72	.86	15.1	51,400	5890	.59	.74	.88
	850	1805	17.9	61,100	4820	.58	.71	.85	17.1	58,300	5190	.58	.73	.87	16.2	55,300	5570	.59	.75	.89	15.2	52,000	5940	.61	.77	.92
71°F (21.7°C)	670	1425	18.5	63,000	4900	.42	.53	.64	17.6	60,200	5290	.42	.54	.65	16.8	57,200	5680	.42	.55	.67	15.8	54,000	6070	.43	.56	.69
	765	1625	18.8	64,200	4950	.42	.54	.66	18.0	61,300	5340	.43	.55	.68	17.1	58,200	5740	.43	.56	.70	16.1	54,900	6130	.43	.57	.72
	850	1805	19.1	65,200	4990	.43	.56	.69	18.2	62,200	5390	.43	.57	.70	17.3	59,000	5780	.44	.58	.72	16.3	55,600	6180	.44	.59	.74

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

## HS29-060 — CB30M-65 - CB30U-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
L/s	cfm	kW	Btuh	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh	Watts Input	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17.2°C)	780	1650	16.9	57,800	4730	.72	.85	.97	16.1	55,100	5090	.73	.87	.99	15.3	52,300	5460	.75	.89	1.00	14.5	49,400	5820	.77	.92	1.00
	850	1800	17.2	58,700	4770	.74	.88	.99	16.4	56,000	5140	.75	.90	1.00	15.6	53,100	5500	.77	.92	1.00	14.7	50,100	5870	.79	.95	1.00
	920	1950	17.4	59,400	4800	.76	.90	1.00	16.6	56,700	5170	.77	.92	1.00	15.8	53,800	5550	.79	.95	1.00	14.9	50,800	5920	.81	.97	1.00
67°F (19.4°C)	780	1650	18.0	61,500	4890	.56	.69	.82	17.2	58,700	5270	.57	.71	.84	16.3	55,700	5650	.58	.72	.86	15.4	52,500	6040	.59	.74	.89
	850	1800	18.3	62,300	4920	.57	.71	.85	17.4	59,500	5310	.58	.73	.87	16.5	56,300	5690	.59	.75	.89	15.6	53,100	6080	.61	.77	.92
	920	1950	18.5	63,000	4950	.59	.73	.87	17.6	60,100	5340	.59	.75	.89	16.7	56,900	5730	.61	.77	.92	15.7	53,600	6120	.62	.79	.94
71°F (21.7°C)	780	1650	19.2	65,600	5070	.42	.55	.67	18.4	62,700	5470	.43	.55	.68	17.4	59,500	5880	.43	.56	.70	16.4	56,100	6280	.43	.58	.72
	850	1800	19.5	66,400	5100	.43	.56	.69	18.6	63,400	5510	.43	.57	.70	17.6	60,100	5920	.43	.58	.72	16.6	56,700	6320	.44	.59	.74
	920	1950	19.7	67,100																						

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-060 — CB31MV-65 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	765	1625	16.7	57,000	4700	.71	.85	.96	15.9	54,400	5050	.73	.86	.98	15.2	51,700	5410	.74	.89	1.00	14.3	48,700	5780	.76	.91	1.00
	850	1805	17.1	58,200	4750	.74	.88	.99	16.3	55,600	5110	.75	.90	1.00	15.4	52,700	5480	.77	.92	1.00	14.6	49,800	5850	.79	.95	1.00
	945	2005	17.3	59,200	4790	.76	.91	1.00	16.6	56,500	5160	.78	.93	1.00	15.7	53,700	5530	.80	.95	1.00	14.9	50,700	5910	.82	.98	1.00
67°F (19.4°C)	765	1625	17.8	60,800	4850	.56	.69	.81	17.0	58,000	5230	.57	.70	.83	16.1	55,000	5610	.58	.72	.85	15.2	51,900	5990	.59	.74	.88
	850	1805	18.1	61,800	4900	.58	.71	.85	17.3	59,000	5280	.58	.73	.87	16.4	55,900	5670	.59	.75	.89	15.4	52,700	6050	.61	.77	.92
	945	2005	18.4	62,700	4940	.59	.74	.88	17.5	59,800	5320	.60	.76	.90	16.6	56,700	5710	.61	.78	.93	15.6	53,400	6100	.63	.80	.95
71°F (21.7°C)	765	1625	19.0	64,800	5030	.42	.54	.66	18.1	61,900	5430	.43	.55	.68	17.2	58,800	5830	.43	.56	.69	16.2	55,400	6240	.43	.57	.71
	850	1805	19.3	65,900	5080	.43	.56	.69	18.4	62,900	5480	.43	.57	.70	17.5	59,700	5890	.44	.58	.72	16.5	56,300	6290	.44	.59	.74
	945	2005	19.6	66,800	5110	.43	.57	.72	18.7	63,700	5520	.44	.59	.73	17.7	60,400	5930	.44	.60	.75	16.7	56,900	6340	.45	.61	.78

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

## HS29-060 — CVP10-51/EC10Q4 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	710	1500	16.2	55,200	4680	.70	.83	.94	15.4	52,700	5030	.71	.85	.96	14.7	50,100	5390	.73	.86	.98	13.9	47,300	5750	.74	.89	1.00
	800	1700	16.5	56,400	4730	.73	.86	.98	15.8	53,900	5090	.74	.88	.99	15.0	51,200	5460	.76	.90	1.00	14.2	48,400	5820	.78	.93	1.00
	895	1900	16.9	57,500	4780	.75	.89	1.00	16.1	54,900	5150	.77	.91	1.00	15.3	52,200	5510	.78	.94	1.00	14.4	49,300	5890	.81	.96	1.00
67°F (19.4°C)	710	1500	17.2	58,800	4830	.56	.68	.80	16.5	56,200	5210	.56	.69	.81	15.6	53,400	5580	.57	.70	.83	14.8	50,400	5970	.58	.72	.86
	800	1700	17.6	60,000	4890	.57	.70	.83	16.8	57,300	5260	.58	.71	.85	15.9	54,400	5640	.58	.73	.87	15.0	51,300	6030	.60	.75	.90
	895	1900	17.9	61,000	4930	.58	.73	.86	17.1	58,200	5310	.59	.74	.88	16.2	55,200	5690	.60	.76	.91	15.2	52,000	6080	.62	.78	.93
71°F (21.7°C)	710	1500	18.4	62,800	5000	.42	.54	.66	17.6	60,000	5400	.42	.54	.66	16.7	57,100	5800	.43	.55	.68	15.8	53,900	6200	.43	.56	.69
	800	1700	18.8	64,000	5050	.43	.55	.67	17.9	61,100	5460	.43	.56	.69	17.0	58,100	5860	.43	.57	.71	16.1	54,800	6270	.44	.58	.73
	895	1900	19.0	65,000	5100	.43	.57	.70	18.2	62,000	5510	.43	.58	.72	17.3	58,900	5910	.44	.59	.74	16.3	55,500	6320	.44	.60	.76

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

## HS29-060 — CVP10-65/EC10Q5 - TXV System Only

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						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	80°F 27°C	85°F 29°C
63°F (17.2°C)	685	1450	16.1	54,900	4670	.71	.83	.94	15.4	52,500	5030	.72	.85	.96	14.6	49,900	5390	.73	.87	.98	13.8	47,100	5750	.75	.89	1.00
	780	1650	16.5	56,300	4730	.73	.87	.98	15.8	53,800	5090	.74	.89	.99	15.0	51,100	5460	.76	.91	1.00	14.2	48,300	5830	.78	.93	1.00
	875	1850	16.8	57,400	4780	.76	.90	1.00	16.1	54,800	5150	.77	.92	1.00	15.3	52,100	5520	.79	.94	1.00	14.4	49,300	5900	.81	.97	1.00
67°F (19.4°C)	685	1450	17.1	58,500	4830	.56	.68	.80	16.4	55,900	5200	.56	.69	.81	15.6	53,100	5580	.57	.70	.83	14.7	50,100	5960	.58	.72	.86
	780	1650	17.5	59,800	4880	.57	.70	.83	16.7	57,000	5260	.58	.72	.85	15.9	54,200	5640	.59	.74	.87	15.0	51,100	6030	.60	.76	.90
	875	1850	17.8	60,700	4920	.59	.73	.87	17.0	58,000	5310	.60	.75	.89	16.1	55,000	5690	.61	.77	.91	15.2	51,900	6080	.62	.79	.94
71°F (21.7°C)	685	1450	18.3	62,500	5000	.42	.54	.66	17.5	59,800	5400	.42	.54	.66	16.6	56,800	5800	.43	.55	.68	15.7	53,600	6200	.43	.56	.70
	780	1650	18.7	63,800	5050	.43	.55	.68	17.8	60,900	5450	.43	.56	.69	16.9	57,800	5860	.43	.57	.71	16.0	54,600	6260	.44	.59	.73
	875	1850	19.0	64,700	5090	.43	.57	.71	18.1	61,800	5500	.44	.58	.72	17.2	58,600	5910	.44	.59	.74	16.2	55,300	6320	.45	.61	.77

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

## HS29-062 — C26-51/65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1500	710	58.1	17.0	4.92	.69	.83	.95	56.0	16.4	5.47	.70	.85	.97	53.4	15.6	6.09	.72	.87	.99	50.4	14.8	6.78	.74	.89	1.00
	1700	800	59.5	17.4	4.96	.72	.87	.99	57.3	16.8	5.51	.73	.88	1.00	54.7	16.0	6.13	.75	.91	1.00	51.6	15.1	6.83	.77	.94	1.00
	1900	895	60.7	17.8	5.00	.75	.90	1.00	58.4	17.1	5.55	.76	.92	1.00	55.7	16.3	6.17	.78	.95	1.00	52.6	15.4	6.88	.81	.97	1.00
67°F (19°C)	1500	710	62.1	18.2	5.04	.55	.67	.79	59.7	17.5	5.59	.55	.68	.81	56.9	16.7	6.21	.56	.69	.83	53.6	15.7	6.92	.57	.71	.86
	1700	800	63.3	18.6	5.07	.56	.69	.83	60.8	17.8	5.62	.57	.71	.85	57.9	17.0	6.25	.57	.72	.87	54.5	16.0	6.96	.59	.75	.90
	1900	895	64.3	18.8	5.10	.57	.72	.87	61.8	18.1	5.66	.58	.74	.89	58.9	17.3	6.28	.59	.75	.91	55.3	16.2	6.99	.61	.78	.94
71°F (22°C)	1500	710	66.3	19.4	5.16	.41	.53	.64	63.8	18.7	5.72	.41	.53	.65	60.8	17.8	6.36	.41	.54	.67	57.2	16.8	7.08	.42	.55	.69
	1700	800	67.6	19.8	5.20	.42	.54	.67	64.9	19.0	5.76	.42	.55	.68	61.8	18.1	6.40</									



# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-062 — C23-51/65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb			kBtuh	kW		Input	Dry Bulb			kBtuh		kW	Input	Dry Bulb				kBtuh	kW	Input
					75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C		85°F 29°C	75°F 24°C	80°F 27°C		85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			
63°F (17°C)	1750	825	59.9	17.6	4.55	.73	.87	.99	57.6	16.9	5.05	.74	.89	1.00	55.0	16.1	5.62	.76	.91	1.00	51.9	15.2	6.26	.78	.94	1.00
	1950	920	61.0	17.9	4.58	.76	.91	1.00	58.7	17.2	5.08	.77	.92	1.00	56.0	16.4	5.65	.79	.95	1.00	52.9	15.5	6.30	.81	.97	1.00
	2150	1015	62.0	18.2	4.61	.78	.94	1.00	59.7	17.5	5.11	.80	.95	1.00	57.0	16.7	5.68	.82	.97	1.00	53.9	15.8	6.34	.84	.99	1.00
67°F (19°C)	1750	825	63.8	18.7	4.65	.57	.70	.84	61.3	18.0	5.16	.58	.72	.86	58.4	17.1	5.73	.58	.73	.88	55.0	16.1	6.39	.60	.75	.91
	1950	920	64.7	19.0	4.67	.58	.73	.87	62.2	18.2	5.18	.59	.74	.89	59.2	17.3	5.76	.60	.76	.91	55.8	16.4	6.41	.61	.79	.94
	2150	1015	65.6	19.2	4.70	.60	.76	.91	63.0	18.5	5.21	.61	.77	.92	59.9	17.6	5.78	.62	.79	.95	56.4	16.5	6.44	.63	.82	.97
71°F (22°C)	1750	825	68.1	20.0	4.76	.42	.55	.68	65.5	19.2	5.28	.43	.56	.69	62.4	18.3	5.86	.43	.57	.71	58.7	17.2	6.52	.43	.58	.73
	1950	920	69.1	20.3	4.79	.43	.57	.71	66.4	19.5	5.31	.43	.58	.72	63.2	18.5	5.89	.44	.59	.74	59.4	17.4	6.55	.44	.60	.76
	2150	1015	69.9	20.5	4.81	.43	.58	.73	67.1	19.7	5.33	.44	.59	.75	63.8	18.7	5.92	.44	.61	.77	60.0	17.6	6.58	.45	.62	.80

## HS29-062 — C26-65EAP - CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb			kBtuh	kW		Input	Dry Bulb			kBtuh		kW	Input	Dry Bulb				kBtuh	kW	Input
					75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C		85°F 29°C	75°F 24°C	80°F 27°C		85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			
63°F (17°C)	1600	755	62.0	18.2	4.99	.71	.85	.97	59.6	17.5	5.54	.72	.86	.99	56.8	16.6	6.16	.73	.89	1.00	53.6	15.7	6.87	.75	.91	1.00
	1800	850	63.3	18.6	5.03	.73	.88	1.00	60.9	17.8	5.58	.74	.90	1.00	58.1	17.0	6.20	.76	.92	1.00	54.7	16.0	6.92	.79	.95	1.00
	2000	945	64.5	18.9	5.06	.76	.92	1.00	62.0	18.2	5.62	.77	.94	1.00	59.1	17.3	6.25	.79	.96	1.00	55.7	16.3	6.96	.82	.98	1.00
67°F (19°C)	1600	755	66.2	19.4	5.11	.55	.68	.81	63.6	18.6	5.66	.56	.69	.83	60.6	17.8	6.30	.57	.71	.85	57.0	16.7	7.01	.58	.73	.88
	1800	850	67.4	19.8	5.14	.57	.71	.85	64.7	19.0	5.70	.58	.72	.87	61.6	18.1	6.33	.59	.74	.89	57.9	17.0	7.05	.60	.76	.92
	2000	945	68.4	20.0	5.18	.58	.73	.88	65.7	19.3	5.73	.59	.75	.90	62.4	18.3	6.37	.60	.77	.93	58.6	17.2	7.08	.62	.80	.96
71°F (22°C)	1600	755	70.8	20.7	5.25	.42	.54	.65	68.0	19.9	5.80	.42	.54	.67	64.7	19.0	6.45	.42	.55	.68	60.9	17.8	7.17	.42	.56	.70
	1800	850	72.0	21.1	5.28	.42	.55	.68	69.1	20.3	5.85	.42	.56	.69	65.7	19.3	6.49	.43	.57	.71	61.7	18.1	7.21	.43	.58	.74
	2000	945	72.9	21.4	5.31	.43	.57	.71	70.1	20.5	5.87	.43	.58	.72	66.6	19.5	6.52	.43	.59	.74	62.4	18.3	7.24	.44	.60	.77

## HS29-062 — CR26-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb			kBtuh	kW		Input	Dry Bulb			kBtuh		kW	Input	Dry Bulb				kBtuh	kW	Input
					75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C		85°F 29°C	75°F 24°C	80°F 27°C		85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			
63°F (17°C)	1500	710	55.2	16.2	4.91	.71	.84	.96	53.2	15.6	5.45	.72	.86	.97	50.9	14.9	6.07	.74	.87	.99	48.1	14.1	6.78	.75	.90	1.00
	1700	800	56.4	16.5	4.94	.73	.87	.99	54.3	15.9	5.49	.75	.89	1.00	51.9	15.2	6.11	.76	.91	1.00	49.0	14.4	6.83	.78	.93	1.00
	1900	895	57.4	16.8	4.97	.76	.90	1.00	55.3	16.2	5.52	.77	.92	1.00	52.9	15.5	6.15	.79	.94	1.00	50.0	14.7	6.87	.81	.96	1.00
67°F (19°C)	1500	710	59.1	17.3	5.01	.56	.69	.81	56.9	16.7	5.57	.57	.70	.82	54.3	15.9	6.20	.57	.71	.84	51.3	15.0	6.92	.58	.72	.86
	1700	800	60.2	17.6	5.05	.57	.71	.84	57.9	17.0	5.60	.58	.72	.86	55.3	16.2	6.24	.59	.73	.88	52.1	15.3	6.95	.60	.76	.90
	1900	895	61.1	17.9	5.07	.59	.73	.87	58.8	17.2	5.63	.59	.75	.89	56.1	16.4	6.27	.60	.76	.91	52.9	15.5	6.97	.62	.78	.94
71°F (22°C)	1500	710	63.1	18.5	5.13	.43	.54	.66	60.8	17.8	5.69	.43	.55	.67	58.1	17.0	6.34	.43	.55	.68	54.8	16.1	7.06	.43	.57	.70
	1700	800	64.2	18.8	5.17	.43	.56	.68	61.9	18.1	5.73	.43	.56	.69	59.0	17.3	6.37	.43	.57	.71	55.7	16.3	7.10	.44	.58	.73
	1900	895	65.2	19.1	5.19	.44	.57	.71	62.7	18.4	5.76	.44	.58	.72	59.8	17.5	6.40	.44	.59	.74	56.4	16.5	7.13	.45	.60	.76

## HS29-062 — CR26-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
	cfm	L/s	kBtuh	kW		Dry Bulb			kBtuh	kW		Input	Dry Bulb			kBtuh		kW	Input	Dry Bulb				kBtuh	kW	Input
					75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			80°F 27°C		85°F 29°C	75°F 24°C	80°F 27°C		85°F 29°C			75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C			
63°F (17°C)	1800	850	59.1	17.3	4.99	.75	.89	1.00	56.9	16.7	5.54	.76	.91	1.00	54.3	15.9	6.15	.78	.93	1.00	51.2	15.0	6.86	.80	.95	1.00
	2000	945	60.1	17.6	5.02	.77	.92	1.00	57.9	17.0	5.57	.79	.94	1.00	55.3	16.2	6.19	.81	.96	1.00	52.2	15.3	6.91	.83	.98	1.00
	2200	1040	61.1	17.9	5.05	.80	.95	1.00	58.8	17.2	5.60	.81	.97	1.00	56.2	16.5	6.23	.83	.98	1.00	53.2	15.6	6.94	.86	1.00	1.00
67°F (19°C)	1800	850	62.8	18.4	5.10	.58	.72	.86	60.4	17.7	5.65	.59	.74	.88	57.5	16.9	6.28	.60	.75	.90	54.1	15.9	6.99	.61	.78	.92
	2000	945	63.7	18.7	5.12	.59	.75	.89	61.2	17.9	5.68	.60	.76	.91	58.3	17.1	6.31	.62	.78	.93	54.8	16.1	7.02	.63	.81	.96
	2200	1040	64.5	18.9	5.14	.61	.78	.92	61.9	18.1	5.70	.62	.79	.94	58.9	17.3	6.33	.63	.81	.96	55.4	16.2	7.05	.65	.84	.99
71°F (22°C)	1800	850	67.1	19.7	5.23	.43	.56	.70	64.5	18.9	5.79	.43	.57	.71	61.3	18.0	6.43	.44	.58	.73	57.7	16.9	7.15	.44	.60	.75
	2000	945	67.9	19.9	5.25	.44	.58	.72	65.3	19.1	5.81	.44	.59	.74	62.1	18.2	6.46	.44	.60	.76	58.4	17.1	7.18	.45	.62	.78
	2200	1040	68.7	20.1	5.28	.44	.60	.75	65.9	19.3	5.84	.44	.61	.77	62.7	18.4	6.48	.45	.62	.79	58.9	17.3	7.20	.46	.64	.82

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-062 — CH23-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C					
63°F (17°C)	1800	850	59.9	17.6	4.97	.76	.90	1.00	57.7	16.9	5.52	.77	.92	1.00	55.1	16.1	6.14	.79	.94	1.00	52.1	15.3	6.85	.81	.96	1.00
	2000	945	61.0	17.9	5.00	.78	.93	1.00	58.7	17.2	5.55	.80	.95	1.00	56.1	16.4	6.18	.82	.97	1.00	53.1	15.6	6.88	.84	.99	1.00
	2200	1040	62.0	18.2	5.03	.81	.96	1.00	59.8	17.5	5.58	.82	.97	1.00	57.2	16.8	6.20	.84	.99	1.00	54.1	15.9	6.92	.87	1.00	1.00
67°F (19°C)	1800	850	63.5	18.6	5.07	.59	.73	.87	61.1	17.9	5.62	.59	.74	.89	58.2	17.1	6.25	.60	.76	.91	54.8	16.1	6.96	.62	.78	.93
	2000	945	64.4	18.9	5.10	.60	.76	.90	61.9	18.1	5.65	.61	.77	.92	59.0	17.3	6.28	.62	.79	.94	55.5	16.3	6.99	.64	.82	.96
	2200	1040	65.2	19.1	5.12	.62	.79	.93	62.6	18.3	5.67	.63	.80	.95	59.7	17.5	6.30	.64	.82	.97	56.2	16.5	7.02	.66	.85	.99
71°F (22°C)	1800	850	67.7	19.8	5.19	.43	.57	.71	65.1	19.1	5.75	.43	.58	.72	62.0	18.2	6.39	.44	.59	.74	58.4	17.1	7.11	.44	.60	.76
	2000	945	68.6	20.1	5.22	.44	.59	.73	65.9	19.3	5.78	.44	.60	.75	62.8	18.4	6.42	.45	.61	.77	59.0	17.3	7.15	.45	.63	.79
	2200	1040	69.3	20.3	5.24	.44	.60	.76	66.6	19.5	5.80	.45	.61	.78	63.3	18.6	6.44	.45	.63	.80	59.6	17.5	7.16	.46	.65	.83

## HS29-062 — CB30M-51 -CB30U-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C					
63°F (17°C)	1400	660	56.6	16.6	4.03	.68	.81	.93	54.5	16.0	4.48	.69	.83	.95	52.0	15.2	4.99	.71	.85	.97	49.0	14.4	5.56	.72	.87	.99
	1600	755	58.1	17.0	4.07	.71	.85	.97	55.9	16.4	4.52	.72	.86	.98	53.3	15.6	5.03	.73	.88	1.00	50.2	14.7	5.60	.76	.91	1.00
	1800	850	59.3	17.4	4.11	.73	.88	1.00	57.1	16.7	4.55	.75	.90	1.00	54.4	15.9	5.06	.77	.92	1.00	51.3	15.0	5.65	.79	.95	1.00
67°F (19°C)	1400	660	60.6	17.8	4.13	.54	.66	.77	58.3	17.1	4.59	.55	.67	.79	55.6	16.3	5.09	.55	.68	.81	52.3	15.3	5.68	.56	.70	.83
	1600	755	62.0	18.2	4.17	.55	.68	.81	59.6	17.5	4.62	.56	.69	.83	56.8	16.6	5.14	.57	.71	.85	53.4	15.6	5.72	.58	.73	.88
	1800	850	63.1	18.5	4.20	.57	.71	.85	60.6	17.8	4.65	.58	.72	.87	57.7	16.9	5.17	.58	.74	.89	54.2	15.9	5.75	.60	.76	.92
71°F (22°C)	1400	660	64.9	19.0	4.24	.41	.52	.63	62.4	18.3	4.70	.41	.53	.64	59.5	17.4	5.22	.42	.53	.65	56.0	16.4	5.81	.42	.54	.67
	1600	755	66.3	19.4	4.28	.42	.54	.65	63.7	18.7	4.74	.42	.54	.67	60.6	17.8	5.26	.42	.55	.68	57.1	16.7	5.85	.43	.56	.70
	1800	850	67.4	19.8	4.31	.42	.55	.68	64.7	19.0	4.77	.42	.56	.70	61.6	18.1	5.29	.43	.57	.71	57.8	16.9	5.88	.43	.58	.74

## HS29-062 — CB31MV-51 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C					
63°F (17°C)	1625	765	57.5	16.9	3.94	.71	.85	.97	55.3	16.2	4.37	.72	.87	.99	52.7	15.4	4.86	.74	.89	1.00	49.7	14.6	5.42	.76	.92	1.00
	1825	860	58.7	17.2	3.97	.74	.89	1.00	56.5	16.6	4.40	.75	.91	1.00	53.8	15.8	4.89	.77	.93	1.00	50.7	14.9	5.46	.79	.96	1.00
	2025	955	59.8	17.5	3.99	.76	.92	1.00	57.5	16.9	4.42	.78	.94	1.00	54.8	16.1	4.92	.80	.96	1.00	51.7	15.2	5.49	.82	.99	1.00
67°F (19°C)	1625	765	61.3	18.0	4.03	.56	.68	.82	59.0	17.3	4.46	.56	.70	.83	56.1	16.4	4.96	.57	.71	.85	52.8	15.5	5.53	.58	.73	.88
	1825	860	62.4	18.3	4.06	.57	.71	.85	59.9	17.6	4.49	.58	.72	.87	57.1	16.7	4.99	.59	.74	.89	53.6	15.7	5.55	.60	.77	.92
	2025	955	63.3	18.6	4.08	.58	.74	.89	60.8	17.8	4.51	.59	.75	.91	57.8	16.9	5.01	.60	.77	.93	54.3	15.9	5.58	.62	.80	.96
71°F (22°C)	1625	765	65.6	19.2	4.13	.42	.54	.66	63.0	18.5	4.58	.42	.55	.67	60.0	17.6	5.08	.42	.55	.69	56.4	16.5	5.65	.43	.57	.71
	1825	860	66.6	19.5	4.16	.42	.55	.69	64.0	18.8	4.61	.42	.56	.70	60.9	17.8	5.11	.43	.57	.72	57.2	16.8	5.68	.43	.59	.74
	2025	955	67.5	19.8	4.18	.43	.57	.71	64.8	19.0	4.63	.43	.58	.73	61.6	18.1	5.13	.43	.59	.75	57.8	16.9	5.70	.44	.61	.77

## HS29-062 — CB29M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
			cfm	L/s		kBTuh	kW	Dry Bulb				kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input	Dry Bulb			kBTuh	kW	Input
75°F 24°C	80°F 27°C	85°F 29°C			75°F 24°C			80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C	75°F 24°C	80°F 27°C				85°F 29°C					
63°F (17°C)	1900	895	60.7	17.8	4.10	.76	.91	1.00	58.5	17.1	4.55	.77	.92	1.00	55.9	16.4	5.07	.79	.94	1.00	52.9	15.5	5.65	.81	.97	1.00
	2000	945	61.2	17.9	4.11	.77	.92	1.00	59.1	17.3	4.56	.78	.94	1.00	56.4	16.5	5.08	.80	.96	1.00	53.4	15.6	5.67	.83	.98	1.00
	2100	990	61.7	18.1	4.12	.78	.94	1.00	59.5	17.4	4.57	.80	.95	1.00	56.9	16.7	5.10	.82	.97	1.00	53.9	15.8	5.68	.84	.99	1.00
67°F (19°C)	1900	895	64.4	18.9	4.18	.58	.73	.87	61.9	18.1	4.63	.59	.75	.89	59.1	17.3	5.15	.60	.76	.91	55.6	16.3	5.74	.62	.79	.94
	2000	945	64.8	19.0	4.19	.59	.74	.89	62.3	18.3	4.64	.60	.76	.91	59.4	17.4	5.16	.61	.78	.93	56.0	16.4	5.75	.63	.80	.96
	2100	990	65.2	19.1	4.19	.60	.76	.91	62.7	18.4	4.65	.61	.77	.92	59.8	17.5	5.17	.62	.79	.94	56.3	16.5	5.76	.63	.82	.97
71°F (22°C)	1900	895	68.6	20.1	4.27	.43	.57	.71	66.1	19.4	4.74	.43	.58	.72	63.0	18.5	5.27	.44	.59	.74	59.3	17.4	5.86	.44	.60	.76
	2000	945	69.0	20.2	4.28	.43	.58	.72	66.4	19.5	4.75	.44	.59	.74	63.3	18.6	5.28	.44	.60	.75	59.6	17.5	5.87	.45	.61	.78
	2100	990	69.4	20.3	4.29	.44	.58	.73	66.7	19.5	4.76	.44	.59	.75	63.6	18.6	5.29	.44	.61	.77	59.9	17.6	5.88	.45	.62	.80

# RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. All values are gross capacities and do not include evaporator coil blower motor heat deduction.

## HS29-062 — CB30M-65 - CB30U-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	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
63°F (17°C)	1850	875	60.2	17.6	4.02	.75	.89	1.00	57.9	17.0	4.45	.76	.91	1.00	55.2	16.2	4.95	.78	.93	1.00	52.0	15.2	5.52	.80	.96	1.00
	1950	920	60.7	17.8	4.03	.76	.91	1.00	58.4	17.1	4.47	.77	.93	1.00	55.7	16.3	4.97	.79	.95	1.00	52.5	15.4	5.54	.82	.98	1.00
	2050	970	61.3	18.0	4.04	.77	.93	1.00	59.0	17.3	4.48	.79	.94	1.00	56.2	16.5	4.99	.81	.96	1.00	53.0	15.5	5.56	.83	.99	1.00
67°F (19°C)	1850	875	64.0	18.8	4.10	.58	.72	.86	61.5	18.0	4.55	.59	.73	.88	58.5	17.1	5.05	.60	.75	.90	55.0	16.1	5.62	.61	.77	.93
	1950	920	64.5	18.9	4.12	.59	.73	.88	61.9	18.1	4.57	.59	.75	.90	58.9	17.3	5.07	.60	.77	.92	55.3	16.2	5.64	.62	.79	.95
	2050	970	64.9	19.0	4.13	.59	.75	.90	62.3	18.3	4.57	.60	.76	.91	59.3	17.4	5.08	.61	.78	.94	55.7	16.3	5.65	.63	.81	.97
71°F (22°C)	1850	875	68.3	20.0	4.21	.43	.56	.70	65.6	19.2	4.66	.43	.57	.71	62.4	18.3	5.17	.43	.58	.73	58.6	17.2	5.75	.44	.60	.75
	1950	920	68.8	20.2	4.22	.43	.57	.71	66.0	19.3	4.68	.43	.58	.72	62.8	18.4	5.19	.44	.59	.74	58.9	17.3	5.76	.44	.61	.77
	2050	970	69.1	20.3	4.23	.43	.58	.72	66.4	19.5	4.69	.44	.59	.74	63.1	18.5	5.20	.44	.60	.76	59.3	17.4	5.77	.45	.62	.78

## HS29-062 — CB31MV-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	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
63°F (17°C)	1805	850	59.6	17.5	4.15	.72	.87	1.00	57.3	16.8	4.60	.73	.89	1.00	54.7	16.0	5.11	.75	.92	1.00	51.5	15.1	5.70	.77	.95	1.00
	2005	945	60.7	17.8	4.17	.74	.91	1.00	58.4	17.1	4.62	.76	.93	1.00	55.6	16.3	5.15	.78	.96	1.00	52.5	15.4	5.74	.81	.98	1.00
	2205	1040	61.7	18.1	4.19	.77	.94	1.00	59.3	17.4	4.65	.79	.96	1.00	56.6	16.6	5.18	.81	.98	1.00	53.5	15.7	5.77	.84	1.00	1.00
67°F (19°C)	1805	850	63.4	18.6	4.24	.56	.69	.84	60.9	17.8	4.70	.56	.71	.86	58.0	17.0	5.22	.57	.72	.88	54.5	16.0	5.81	.59	.74	.91
	2005	945	64.3	18.8	4.26	.57	.72	.88	61.8	18.1	4.72	.58	.73	.89	58.8	17.2	5.24	.59	.75	.92	55.2	16.2	5.83	.60	.78	.95
	2205	1040	65.1	19.1	4.29	.59	.74	.91	62.5	18.3	4.74	.60	.76	.93	59.4	17.4	5.27	.61	.79	.96	55.8	16.4	5.86	.62	.82	.98
71°F (22°C)	1805	850	67.7	19.8	4.35	.41	.54	.67	65.0	19.0	4.82	.42	.55	.68	61.9	18.1	5.34	.42	.56	.70	58.1	17.0	5.94	.42	.57	.72
	2005	945	68.6	20.1	4.37	.42	.56	.70	65.8	19.3	4.84	.42	.57	.71	62.6	18.3	5.37	.42	.58	.73	58.8	17.2	5.96	.43	.59	.76
	2205	1040	69.3	20.3	4.39	.42	.57	.72	66.5	19.5	4.86	.43	.58	.74	63.2	18.5	5.39	.43	.60	.76	59.3	17.4	5.98	.44	.61	.79

## HS29-062 — CVP10-65/EC10Q5 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
			cfm	L/s	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	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
63°F (17°C)	1640	775	58.3	17.1	4.95	.74	.88	.99	56.2	16.5	5.50	.75	.89	1.00	53.6	15.7	6.13	.77	.91	1.00	50.6	14.8	6.83	.78	.94	1.00
	1840	870	59.6	17.5	4.99	.77	.91	1.00	57.3	16.8	5.54	.78	.93	1.00	54.8	16.1	6.16	.79	.95	1.00	51.8	15.2	6.87	.82	.97	1.00
	2040	965	60.7	17.8	5.03	.79	.94	1.00	58.5	17.1	5.58	.81	.96	1.00	55.9	16.4	6.20	.83	.98	1.00	52.8	15.5	6.92	.85	1.00	1.00
67°F (19°C)	1640	775	62.1	18.2	5.06	.57	.71	.84	59.7	17.5	5.61	.58	.72	.86	57.0	16.7	6.24	.59	.74	.88	53.6	15.7	6.95	.60	.76	.91
	1840	870	63.1	18.5	5.09	.59	.74	.88	60.7	17.8	5.65	.60	.75	.90	57.8	16.9	6.28	.61	.77	.92	54.4	15.9	6.99	.62	.80	.94
	2040	965	64.0	18.8	5.12	.61	.77	.91	61.5	18.0	5.67	.62	.79	.93	58.6	17.2	6.31	.63	.80	.95	55.2	16.2	7.02	.64	.83	.98
71°F (22°C)	1640	775	66.4	19.5	5.19	.43	.56	.69	63.8	18.7	5.75	.43	.56	.70	60.8	17.8	6.39	.43	.57	.72	57.2	16.8	7.11	.44	.59	.74
	1840	870	67.4	19.8	5.22	.43	.57	.72	64.8	19.0	5.78	.44	.58	.73	61.6	18.1	6.42	.44	.60	.75	58.0	17.0	7.14	.45	.61	.77
	2040	965	68.2	20.0	5.25	.44	.59	.75	65.5	19.2	5.81	.44	.60	.76	62.3	18.3	6.45	.45	.62	.78	58.6	17.2	7.17	.45	.63	.81