LENNOX®

ENGINEERING DATA

HS23 SERIES CONDENSING UNITS
RFC™ SYSTEMS
10.05 to 10.55 SEER
*11,100 to 60,000 Btuh (3.3 to 17.6 kW) Cooling Capacity
1 thru 5 Tons (3.5 to 17.6 kW)

*ARI & DOE Certified Ratings

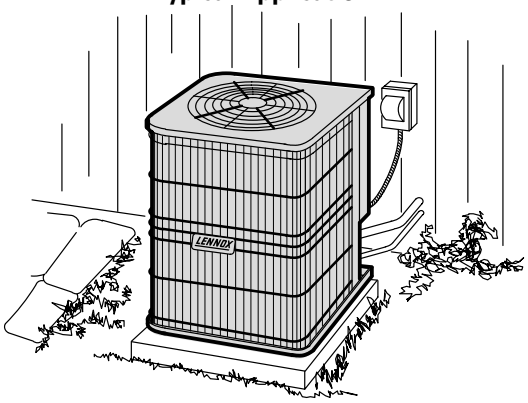
HS23
RFC

Bulletin No. 210034
April 1994
Supersedes September 1993

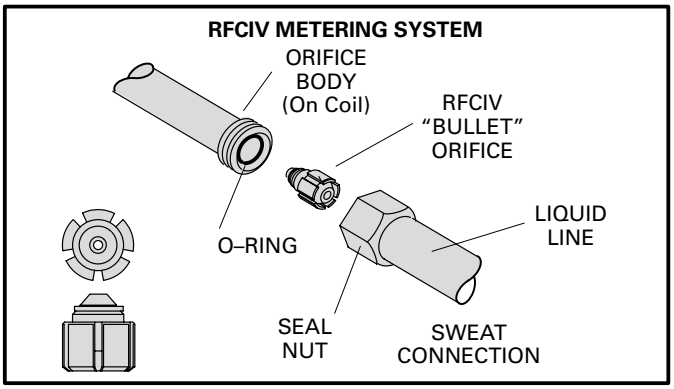
CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

CERTIFICATION APPLIES ONLY WHEN USED WITH PROPER COMPONENTS AS LISTED WITH ARI

Typical Application



FEATURES



Refrigerant Flow Control (RFC) — HS23 units are applicable to Lennox RFCIV systems when matched with specific indoor coils. RFC™ (Refrigerant Flow Control) is a very accurate means of metering refrigerant in a system. Metering control is accomplished by the exact sizing of the refrigerant metering orifice located in the distributor on the coil. The entire principle of the RFC system involves the matching of the indoor coil and the proper size orifice in the metering device. The RFC system equalizes pressures instantly after the compressor stops, eliminating the need for any extra controls and allowing the compressor to start unloaded.

Application — HS23 series model condensing units feature high efficiency with minimum operating sound levels. Extra large condensing coil, coil circuiting and high condenser air volume result in high SEER's. Units are applicable to RFC systems only and may be installed at ground level or on a roof. Units match up to a variety of blower powered or add-on evaporators for a wide selection of cooling capacities for selective sizing and application versatility. For evaporator unit data, see tab Coils — Blower Coil Units in this section. Units are shipped completely assembled, piped and wired. Each unit is test operated at the factory to insure proper operation. Installer has only to set unit in desired location, connect refrigerant lines and make electrical connections to complete a low cost installation.

Accessible Control Box — Conveniently located for easy access. All controls are pre-wired at the factory.

Approvals — Condensing units have been tested in the Lennox Research Laboratory environmental test room and rated according to U.S. Department of Energy (DOE) test procedures and in accordance with ARI Standard 210/240-89. Units have been sound rated in the Lennox reverberant sound test room in accordance with ARI Standard 270-84. Condensing units and components within are bonded for grounding to meet safety standards for servicing required by U.L., N.E.C. and C.E.C. Units are U.L. listed and C.S.A. certified.

Equipment Warranty — Compressor has a limited warranty for five years. All other covered components have a limited warranty for five years in residential installations and one year in non-residential installations. Refer to the Lennox Equipment Limited Warranty certificate included with the unit for details.

Weather Resistant Cabinet and Base Section — Heavy gauge galvanized steel cabinet and base section are subjected to a five station metal wash process prior to a finish coat application of baked-on outdoor enamel. Attractive enamel finish provides the cabinet and base section with long lasting protection from rust and corrosion. Drainage holes are provided in the base section for moisture removal. High density polyethylene base supports raise the unit off of the mounting surface away from damaging moisture.

Copper Tube/Enhanced Fin Outdoor Coil — Lennox designed and fabricated coil is constructed of precisely spaced ripple-edged aluminum fins machine fitted to seamless copper tubes. Four-sided wrap-around coil configuration provides extra large surface area with low air resistance. Lanced fins provide maximum exposure of the fin surface to air stream resulting in excellent heat transfer. Fins are equipped with collars that grip the tubing for maximum contact area. Precise circuiting provides uniform refrigerant distribution for high efficiency. Flared shoulder tubing connections and silver soldering result in tight, leakproof joints. Long-life copper tubing is corrosion-resistant and easy to field service. Coil is factory tested under high pressure to insure leakproof construction. Entire coil is accessible for cleaning. Corrosion-resistant PVC coated steel wire condenser coil guard is furnished as standard.

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

♧ The maple leaf symbol in this bulletin denotes Canadian only usage where applicable
NOTE — Specifications, Ratings and Dimensions subject to change without notice.

FEATURES (Continued)

Dependable and Quiet Compressor — Compressor is hermetically sealed and provides trouble-free operation and long service life. Built-in protection devices assure protection from excessive current and temperatures. Refrigeration cooled and overload protected. HS23-141 is equipped with a rotary compressor. HS23-460, -510 and HS23-650 models are furnished with a crankcase heater as standard equipment to ensure proper compressor lubrication at all times. Heater is temperature actuated to operate only when required. The compressor components are spring mounted within the sealed housing. In addition, the compressor is installed in the unit on resilient rubber mounts for quiet and vibration free operation. Muffler, factory installed in discharge line, reduces operating sound levels on HS23-410-460-510-650 models.

High Capacity Drier — Furnished for field installation. Drier traps any moisture or dirt that could contaminate the refrigerant system.

Refrigerant Line Connections, Electrical Inlets and Service Valves — Suction and liquid line connections are located outside of the unit cabinet and are made with sweat connections. Fully serviceable brass service valves prevent corrosion and provide easy access to refrigerant system. Suction valve can be fully shut off, while the liquid valve may be backseated to manage refrigerant charge while servicing the system. Field installed thermometer well is furnished for installation in the liquid line. Valves and gauge ports are accessible outside of the unit cabinet. See dimension drawing.

OPTIONAL EQUIPMENT (Must Be Ordered Extra)

Crankcase Heater (Optional) — Available for HS23-211 thru HS23-410 models. Crankcase heaters P-8-8852 **(68887)** are not furnished and must be ordered extra. Heater prevents migration of liquid refrigerant into the compressor and ensures proper compressor lubrication. HS23-460, -510 and -650 model compressors are equipped with crankcase heaters furnished as standard.

Mounting Base (Optional) — Mounting base provides a permanent foundation for condensing units. High density polyethylene structural material is lightweight, sturdy, sound absorbing and will withstand the effects of sun, heat, cold, moisture, oil and refrigerant. Will not mildew or decompose. Can be shipped singly or in packages of six to a carton. Use MB1-24 **(78H50)** 32" x 34" x 3" (813 mm x 864 mm x 76 mm), shipping weight 15 lbs. (7 kg) each.

♔ ***Compressor Monitor (Optional) —*** Compressor monitor T6-1469 **(45F08)** is available for field installation. Non-adjustable switch (low ambient cut-out) prevents compressor operation when outdoor temperature is below 35°F (2°C).

***Timed-Off Control* (Optional) —** Timed off control LB-61378A **(47J35)** prevents compressor short-cycling and also allows time for suction and discharge pressure to equalize, permitting the compressor to start in an unloaded condition. Automatic reset control provides a five minute time delay between compressor shutoff and start-up. (Standard with HS23-651-653).

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

Refrigerant Line Kits (Optional) — Lines are available in several lengths. See Refrigerant Line Kit table. Lines (suction and liquid) are shipped refrigeration clean. Lines are cleaned, dried and pressurized and sealed at the factory. Suction line is fully insulated. Lines are furnished with a flare fitting (evaporator unit connection) at one end and stubbed (no fitting) at the opposite end for connection to condensing unit. Kits are not available for the HS23-141 and HS23-650 models must be furnished by the installer.

SPECIFICATIONS

Model No.			HS23-141	HS23-211	HS23-261	HS23-311
Condenser Coil	Net face area - sq. ft. (m^2)	Outer coil	12.60 (1.17)	12.60 (1.17)	12.60 (1.17)	14.70 (1.37)
		Inner coil	- - - -	- - - -	- - - -	- - - -
	Tube diameter — in. (mm) & no. of rows		3/8 (9.5) — 1	3/8 (9.5) — 1	3/8 (9.5) — 1	3/8 (9.5) — 1
	Fins per inch (m)		20 (787)	20 (787)	20 (787)	20 (787)
Condenser Fan	Diameter — in. (mm) & no. of blades		20 (508) — 3	20 (508) — 3	20 (508) — 3	20 (508) — 3
	Motor hp (W)		1/6 (124)	1/6 (124)	1/6 (124)	1/6 (124)
	Cfm (L/s)		2500 (1180)	2500 (1180)	2500 (1180)	2700 (1275)
	Rpm		850	850	850	850
	Watts		200	200	200	205
*Refrigerant charge furnished (HCFC-22)			4 lbs. 4 oz. (1.93 kg)	4 lbs. 12 oz. (2.15 kg)	5 lbs. 5 oz. (2.41 kg)	5 lbs. 9 oz. (2.52 kg)
Liquid line — in. (mm) o.d. connection (sweat)			**3/8 (9.5)	***3/8 (9.5)	***3/8 (9.5)	3/8 (9.5)
Suction line — in. (mm) o.d. connection (sweat)			1/2 (12.7)	5/8 (15.8)	5/8 (15.8)	3/4 (19)
Shipping weight — lbs. (kg) 1 package			121 (55)	153 (69)	154 (70)	168 (76)

*Refrigerant charge sufficient for 20 ft. (6.1 m) length of refrigerant lines.
**Furnished with 3/8 in. x 1/4 in. (9.5mm x 6.4 mm) reducer adaptor for refrigerant line connections.
***Furnished with 3/8 in. x 5/16 in. (9.5 mm x 8 mm) reducer adaptor for refrigerant line connections.

SPECIFICATIONS

Model No.			HS23-411 HS23-413	HS23-461 HS23-463	HS23-511 HS23-513	HS23-651 HS23-653
Condenser Coil	Net face area - sq. ft. (m^2)	Outer coil	14.70 (1.37)	14.70 (1.37)	20.00 (1.86)	20.00 (1.86)
		Inner coil	- - - -	9.80 (0.91)	- - - -	15.40 (1.43)
	Tube diameter — in. (mm) & no. of rows		3/8 (9.5) — 1	3/8 (9.5) — 1.67	3/8 (9.5) — 1	3/8 (9.5) — 1.77
	Fins per inch (m)		20 (787)	20 (787)	20 (787)	20 (787)
Condenser Fan	Diameter — in. (mm) & no. of blades		20 (508) — 3	24 (610) — 4	24 (610) — 4	24 (610) — 4
	Motor hp (W)		1/6 (124)	1/4 (187)	1/4 (187)	1/4 (187)
	Cfm (L/s)		2700 (1275)	3900 (1840)	3900 (1840)	4000 (1885)
	Rpm		840	835	835	830
	Watts		205	340	340	355
*Refrigerant charge furnished (HCFC-22)			6 lbs. 3 oz. (2.81 kg)	7 lbs. 5 oz. (3.32 kg)	8 lbs. 13 oz. (4.00 kg)	11 lbs. 2 oz. (5.05 kg)
Liquid line — in. (mm) in. o.d. connection (sweat)			3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Suction line — in. (mm) o.d. connection (sweat)			3/4 (19)	7/8 (22.2)	7/8 (22.2)	1-1/8 (28.5)
Shipping weight lbs. (kg) 1 package			182 (83)	238 (108)	238 (108)	271 (123)

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

ELECTRICAL DATA

Model No.		HS23-141	HS23-211	HS23-261	HS23-311
Line voltage data — 60 hz		208/230v 1ph	208/230v 1ph	208/230v 1ph	208/230v 1ph
Compressor	Rated load amps	5.0	8.6	9.8	13.7
	Power factor	.97	.97	.96	.99
	Locked rotor amps	26.3	49.0	56.0	75.0
Condenser Coil Fan Motor	Full load amps	1.1	1.1	1.1	1.1
	Locked rotor amps	1.7	1.7	1.7	1.7
Rec. maximum fuse or circuit breaker size (amps)		15	20	20	30
*Minimum circuit ampacity		7.4	12.0	13.4	18.2

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

ELECTRICAL DATA

Model No.		HS23-411	HS23-413		HS23-461	HS23-463	
Line voltage data — 60 hz		208/230v 1ph	208/230v 3ph	460v 3ph	208/230v 1ph	208/230v 3ph	460v 3ph
Compressor	Rated load amps	16.2	11.6	5.1	18.3	11.6	5.6
	Power factor	.91	.88	.88	.94	.88	.88
	Locked rotor amps	96.0	65.1	32.8	102.0	73.4	37.7
Condenser Coil Fan Motor	Full load amps	1.1	1.1	0.6	1.7	1.7	1.1
	Locked rotor amps	1.7	1.7	0.9	3.1	3.1	2.2
Rec. maximum fuse or circuit breaker size (amps)		35	25	15	40	25	15
*Minimum circuit ampacity		21.3	15.6	7.0	24.6	16.2	8.2

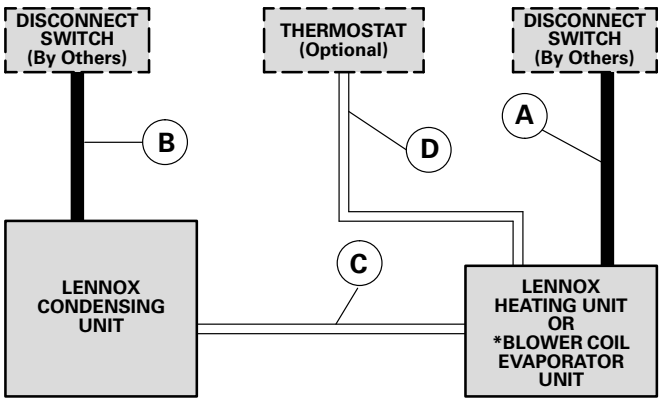
*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
NOTE — Extremes of operating range are plus 10% and minus 5% of line voltage.

ELECTRICAL DATA

Model No.		HS23-511	HS23-513			HS23-651	HS23-653		
Line voltage data — 60 hz		208/230v 1ph	208/230v 3ph	460v 3ph	575v 3ph	208/230v 1ph	208/230v 3ph	460v 3ph	575v 3ph
Compressor	Rated load amps	22.5	14.8	7.0	5.8	30.8	17.4	9.6	8.4
	Power factor	.97	.88	.88	.88	.98	.79	.79	.79
	Locked rotor amps	110.0	92.0	46.0	44.0	147.0	150.0	73.0	50.0
Condenser Coil Fan Motor	Full load amps	1.7	1.7	1.1	1.1	1.7	1.7	1.1	1.1
	Locked rotor amps	3.1	3.1	2.2	2.2	3.1	3.1	2.2	2.2
Rec. maximum fuse or circuit breaker size (amps)		50	35	15	15	60	40	20	20
*Minimum circuit ampacity		30.0	20.2	9.9	8.4	40.2	23.5	13.2	11.6

*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 Wire Power

B — Two or 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.

ARI RATINGS — RFCIV

Condensing Unit Model No. *ARI Standard 270 SRN (bels)	★ARI Standard 210/240 Ratings					Evaporator Unit			●RFCIV Metering Orifice Size Required
	†SEER (Btuh/ Watts)	EER (Btuh/ Watts)	Cooling Capacity		Total Unit Watts	Up-Flo	Down-Flo	Horizontal	
			Btuh	kW					
HS23-141 (7.4)	10.05	9.35	11,100	3.3	1185	C24-21FC/B24	- - - -	CH24-21	0.047 **(70J12)**
	10.30	10.00	11,600	3.4	1160	C23-26(FC), C23-26W(FC) / C24-26FC/B24, C24-26WFC/B24	- - - -	- - - -	
	10.30	10.00	12,000	3.5	1200	- - - -	CR18-21	- - - -	
	10.30	10.00	12,100	3.5	1200	C22-21(FC)/B24	- - - -	CH22-21	
	10.30	10.30	12,400	3.6	1205	C22-26(FC)/B24	- - - -	- - - -	
HS23-211 (7.6)	10.00	9.45	18,200	5.3	1925	- - - -	- - - -	CH24-21	0.055 **(70J13)**
	10.05	9.85	18,500	5.4	1880	C24-21FC/B24	- - - -	- - - -	
	10.05	9.70	18,500	5.4	1905	- - - -	- - - -	CH22-21	
	10.05	9.85	18,600	5.4	1890	- - - -	CR18-21	- - - -	
	10.05	9.95	19,000	5.6	1910	C22-21(FC)/B24	- - - -	- - - -	
	10.05	9.95	19,000	5.6	1910	C23-26(FC), C23-26W(FC) / C24-26FC/B24, C24-26WFC/B24	- - - -	- - - -	
	10.55	10.40	20,000	5.9	1925	C22-26(FC)/B24	- - - -	- - - -	
HS23-261 (7.6)	10.00	9.65	23,400	6.9	2425	- - - -	- - - -	CH24-31	0.062 **(70J14)**
	10.05	9.55	23,600	6.9	2470	C23-26(FC), C23-26W(FC) / C24-26FC/B24, C24-26WFC/B24	- - - -	- - - -	
	10.05	9.50	23,800	7.0	2505	- - - -	CR18-31	- - - -	
	10.05	9.70	24,000	7.0	2475	C23-31(FC), C23-31W(FC) C24-31FC/B24, C24-31WFC/B24	- - - -	- - - -	
	10.05	9.65	24,000	7.0	2485	C22-26(FC)/B24	- - - -	- - - -	
	10.05	9.70	24,200	7.1	2495	- - - -	- - - -	CH22-31	
	10.55	9.75	24,600	7.2	2525	C22-31(FC)/B24	- - - -	- - - -	
HS23-311 (7.6)	10.05	9.60	28,400	8.3	2960	- - - -	- - - -	CH24-31	0.070 **(70J15)**
	10.05	9.35	28,600	8.4	3060	- - - -	CR18-31	- - - -	
	10.05	9.40	29,000	8.5	3085	C23-31(FC), C23-31W(FC) / C24-31FC/B24, C24-31WFC/B24	- - - -	- - - -	
	10.05	9.50	29,000	8.5	3055	- - - -	- - - -	CH22-31	
	10.05	9.50	29,400	8.6	3095	C23-41(FC), C23-41W(FC) C24-41FC/B24, C24-41WFC/B24	- - - -	CH24-41	
	10.55	9.85	30,000	8.8	3045	C22-31(FC)/B24	- - - -	- - - -	
	10.55	9.75	30,600	9.0	3140	C22-41(FC)/B24	- - - -	- - - -	
	10.10	9.85	30,600	9.0	3105	- - - -	- - - -	CH22-41	

★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 20 ft. (6.1 m) of connecting refrigerant lines.
*Sound Rating Number in accordance with ARI Standard 270.
†Seasonal Energy Efficiency Ratio (Btuh/Watt).
●RFCIV metering device furnished with HS23 condensing unit for field installation in evaporator coil.
♢ Canadian usage only.
NOTE — B24 Blowers are not included with ratings for C22/24 and CR22 series coils. B24 is shown for matching purposes only.
NOTE — Shaded area denotes most popular evaporator coil.

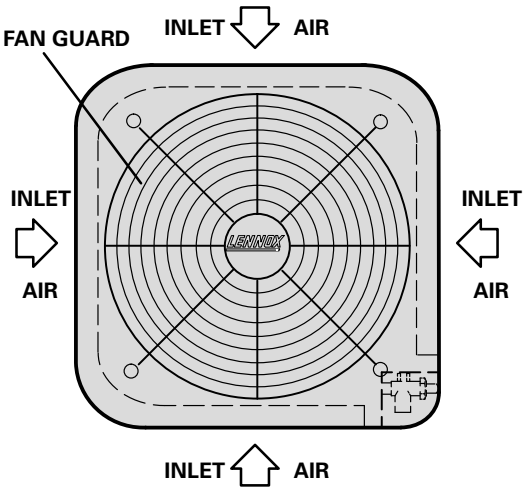
ARI RATINGS — RFCIV

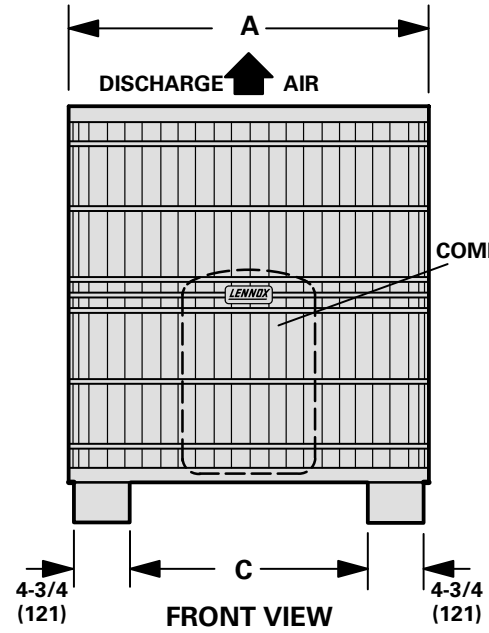
Condensing Unit Model No. *ARI Standard 270 SRN (bels)	★ARI Standard 210/240 Ratings					Evaporator Unit			●RFCIV Metering Orifice Size Required
	†SEER (Btuh/ Watts)	EER (Btuh/ Watts)	Cooling Capacity		Total Unit Watts	Up-Flo	Down-Flo	Horizontal	
			Btuh	kW					
U.S. & CANADA HS23-411 (7.6) **U.S. ONLY** HS23-413 (7.8)	10.00	9.35	34,400	10.1	3680	- - - -	- - - -	CH24-41	0.073 **(51J38)**
	10.00	9.40	35,000	10.3	3725	- - - -	- - - -	CH22-41	
	10.00	9.35	35,000	10.3	3745	- - - -	CR18-41	- - - -	
	10.00	9.45	35,000	10.3	3700	C23-41(FC), C23-41W(FC)	- - - -	- - - -	
						C24-41FC/B24, C24-41WFC/B24			
	10.00	9.45	35,400	10.4	3745	C23-46(FC) C24-46FC/B24	- - - -	- - - -	
	10.00	9.65	36,400	10.7	3770	C22-41(FC)/B24	- - - -	- - - -	
♢ **CANADA ONLY** HS23-413 (7.6)	9.20	8.55	34,000	10.0	3975	- - - -	- - - -	♢ CH24-41	0.073 **(51J38)**
	9.20	8.55	33,800	9.9	3955	♢ C23-41(FC), C23-41W(FC)	- - - -	- - - -	
						♢ C24-41FC/B24, C24-41WFC/B24			
	9.20	8.55	34,600	10.1	4046	♢ C23-46(FC) C24-46FC/B24	- - - -	- - - -	
	9.20	9.00	36,000	10.5	4000	- - - -	- - - -	♢ CH22-41	
	9.20	8.45	33,800	9.90	4000	- - - -	CR18-41	- - - -	
	9.20	9.10	36,600	10.7	4020	♢ C22-41(FC)/B24	- - - -	- - - -	
HS23-461 HS23-463 (8.0)	10.05	9.25	38,000	11.1	4110	- - - -	- - - -	CH24-41	0.082 **(51J39)**
	10.05	9.45	39,000	11.4	4125	C24-41FC/B24, C24-41WFC/B24	- - - -	- - - -	
	10.05	9.25	39,500	11.6	4270	C23-41(FC), C23-41W(FC)	- - - -	- - - -	
	10.05	9.20	40,500	11.9	4410	- - - -	CR18-41	- - - -	
	10.05	9.50	41,000	12.0	4315	C23-46(FC)	- - - -	- - - -	
						C24-46FC/B24			
	10.05	9.50	41,000	12.0	4315	- - - -	- - - -	CH24-51	
	10.05	9.65	41,000	12.0	4250	- - - -	- - - -	CH22-41	
	10.05	9.95	42,000	12.3	4220	C22-41(FC)/B24	- - - -	- - - -	
	10.05	9.65	42,000	12.3	4350	C23-51(FC) C24-51FC/B24	- - - -	- - - -	
HS23-511 HS23-513 (8.0)	10.05	8.95	46,000	13.5	5140	C23-46(FC)	- - - -	- - - -	0.086 **(70J16)**
	10.05	9.00	48,000	14.1	5335	C23-51(FC)	- - - -	- - - -	
	10.05	8.95	48,000	14.1	5365	C24-51FC/B24		CH24-51	
	10.05	9.10	48,500	14.2	5330	C23-51/65(FC)	- - - -	- - - -	
	10.05	9.00	48,500	14.2	5390	C24-65FC/B24	- - - -	CH24-65	
	10.05	9.00	48,500	14.2	5390	- - - -	CR18-51	- - - -	
HS23-651 HS23-653 (8.2)	10.05	9.20	60,000	17.6	6520	C23-51/65(FC)	- - - -	- - - -	0.098 **(70J17)**
	10.05	9.25	60,000	17.6	6485	C24-65FC/B24	- - - -	CH24-65	
	10.05	9.45	60,000	17.6	6350	- - - -	CR18-65	- - - -	

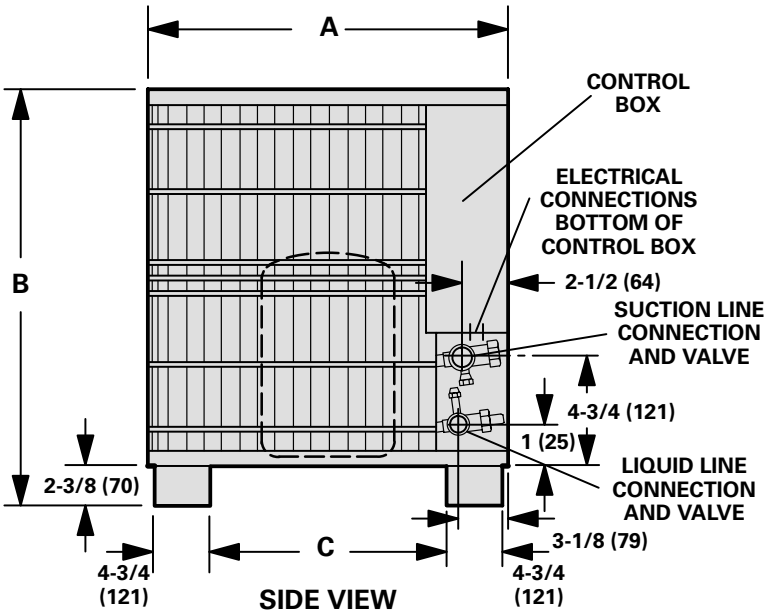
★Rated in accordance with ARI Standard 210/240; 95°F (35°C) outdoor air temperature, 80°F (27°C) db / 67°F (19°C) wb entering evaporator air with 20 ft. (6.1 m) of connecting refrigerant lines.
*Sound Rating Number in accordance with ARI Standard 270.
†Seasonal Energy Efficiency Ratio (Btuh/Watt).
●RFCIV metering device furnished with HS23 condensing unit for field installation in evaporator coil.
♢ Canadian usage only.
NOTE — B24 Blowers are not included with ratings for C22/24 and CR22 series coils. B24 is shown for matching purposes only.
NOTE — Shaded area denotes most popular evaporator coil.

DIMENSIONS — inches (mm)

Model No.		A	B	C
HS23-141, HS23-211, HS23-261	in.	26-3/8	26-3/4	16-7/8
	mm	670	679	429
HS23-311, HS23-411-413	in.	26-3/8	30-3/4	16-7/8
	mm	670	781	429
HS23-461-463, HS23-511-513, HS23-651-653	in.	31-5/16	34-3/4	21-3/16
	mm	795	883	538





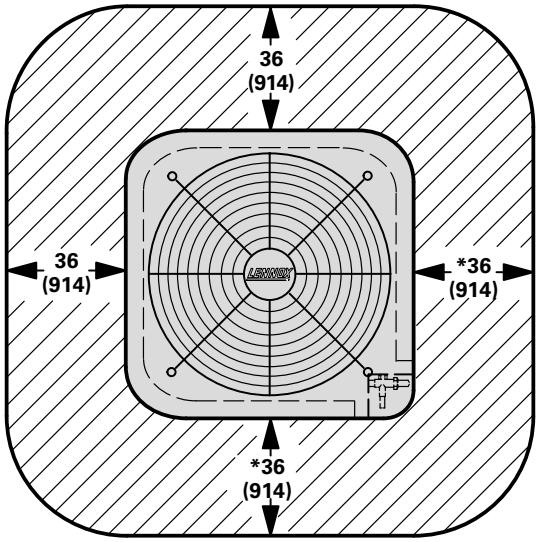


REFRIGERANT LINE KITS

Condensing Unit Model No.	Line Set Model No.	Length of Lines ft.	Length of Lines m	Liquid Line Outside Dia. in.	Liquid Line Outside Dia. mm	Suction Line Outside Dia. in.	Suction Line Outside Dia. mm
**HS23-141	*Not available			**1/4	**6.4	1/2	2.7
**HS23-211 **HS23-261	L10-21-20	20	6	**5/16	**8	5/8	15.9
	L10-21-25	25	8				
	L10-21-35	35	11				
	L10-21-50	50	15				
HS23-311 HS23-410	L10-41-20	20	6	3/8	9.5	3/4	19
	L10-41-30	30	9				
	L10-41-40	40	12				
	L10-41-50	50	15				
HS23-460 HS23-510	L10-65-30	30	9	3/8	9.5	7/8	22.2
	L10-65-40	40	12				
	L10-65-50	50	15				
HS23-650	*Not available			3/8	9.5	1-1/8	28.5

*Field fabricate.
**HS23-141, HS23-211 & HS23-261 units will accept 3/8 in. (9.5 mm) liquid lines. Adaptors furnished with condensing units will allow use with 1/4 in. (6.4 mm) liquid line (HS23-141) and 5/16 in. (8 mm) liquid line (HS23-211 & 261).

INSTALLATION CLEARANCES — inches (mm)



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

RFC RATINGS

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

HS23-141 WITH C24-21FC/B24 EVAPORATOR UNIT

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		
	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)	165	350	3.4	11,700	720	.67	.82	.95	3.3	11,300	800	.68	.84	.97	3.2	10,900	890	.69	.86	.98	3.0	10,400	980	.70	.89	1.00
	210	450	3.7	12,600	730	.71	.88	1.00	3.6	12,200	810	.72	.90	1.00	3.4	11,700	900	.74	.93	1.00	3.3	11,200	990	.75	.97	1.00
	260	550	3.8	13,100	740	.77	.94	1.00	3.7	12,700	820	.78	.97	1.00	3.5	12,100	910	.80	1.00	1.00	3.4	11,600	1000	.82	1.00	1.00
67°F (19.4°C)	165	350	3.5	12,000	720	.53	.67	.80	3.4	11,600	810	.54	.68	.81	3.3	11,200	890	.54	.69	.83	3.1	10,700	980	.55	.71	.84
	210	450	3.8	12,900	730	.56	.71	.87	3.7	12,500	820	.57	.72	.89	3.5	12,000	910	.57	.74	.90	3.4	11,500	1000	.58	.76	.92
	260	550	4.0	13,600	740	.59	.74	.94	3.8	13,100	830	.60	.76	.96	3.7	12,600	910	.60	.79	.98	3.5	12,100	1000	.61	.81	1.00
71°F (21.7°C)	165	350	3.5	12,100	720	.40	.53	.67	3.4	11,700	810	.40	.54	.68	3.3	11,300	900	.41	.55	.69	3.2	10,900	980	.41	.57	.70
	210	450	3.9	13,200	740	.41	.56	.71	3.7	12,700	820	.42	.58	.72	3.6	12,300	910	.42	.58	.74	3.5	11,800	1000	.42	.59	.75
	260	550	4.1	13,900	740	.42	.58	.76	3.9	13,400	830	.43	.60	.78	3.8	12,900	920	.43	.61	.79	3.6	12,400	1010	.43	.62	.81

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

HS23-141 WITH CH24-21 EVAPORATOR UNIT

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		
	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)	165	350	3.4	11,500	730	.67	.82	.96	3.2	11,000	810	.68	.84	.98	3.1	10,500	900	.69	.87	1.00	3.0	10,100	980	.70	.90	1.00
	210	450	3.5	12,100	740	.72	.90	1.00	3.4	11,600	820	.74	.93	1.00	3.3	11,100	910	.75	.95	1.00	3.1	10,600	990	.77	.98	1.00
	260	550	3.7	12,500	740	.78	.96	1.00	3.5	12,100	830	.80	.99	1.00	3.4	11,600	910	.82	1.00	1.00	3.3	11,100	1000	.83	1.00	1.00
67°F (19.4°C)	165	350	3.5	12,100	740	.53	.66	.79	3.4	11,700	820	.54	.67	.81	3.3	11,200	910	.54	.69	.82	3.1	10,700	1000	.55	.70	.84
	210	450	3.7	12,700	740	.56	.71	.88	3.6	12,300	830	.57	.72	.89	3.5	11,800	920	.58	.74	.91	3.3	11,300	1010	.58	.76	.93
	260	550	3.8	13,100	750	.59	.76	.96	3.7	12,700	840	.60	.77	.98	3.6	12,200	930	.61	.80	1.00	3.4	11,600	1010	.62	.83	1.00
71°F (21.7°C)	165	350	3.7	12,700	740	.40	.53	.66	3.6	12,300	830	.40	.53	.67	3.5	11,900	920	.40	.54	.68	3.3	11,300	1010	.41	.55	.69
	210	450	3.9	13,300	750	.41	.56	.71	3.8	13,000	840	.42	.57	.72	3.7	12,500	930	.42	.58	.73	3.5	11,900	1020	.42	.59	.74
	260	550	4.0	13,700	760	.43	.59	.77	3.9	13,400	840	.43	.60	.78	3.8	12,900	930	.43	.61	.79	3.6	12,300	1020	.44	.62	.81

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

HS23-141 WITH C23-26(FC), C23-26W(FC), C24-26FC/B24 OR C24-26WFC/B24 EVAPORATOR UNIT

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		
	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)	165	350	3.6	12,200	730	.68	.83	.96	3.4	11,700	810	.69	.85	.98	3.3	11,200	900	.70	.87	1.00	3.1	10,700	990	.71	.90	1.00
	210	450	3.8	13,000	740	.73	.91	1.00	3.6	12,400	830	.74	.93	1.00	3.5	11,900	910	.76	.96	1.00	3.3	11,300	1000	.77	.99	1.00
	260	550	4.0	13,500	750	.78	.98	1.00	3.8	12,900	830	.80	1.00	1.00	3.6	12,400	920	.82	1.00	1.00	3.5	11,900	1010	.84	1.00	1.00
67°F (19.4°C)	165	350	3.8	12,800	740	.54	.67	.80	3.6	12,300	820	.54	.68	.82	3.5	11,800	910	.55	.69	.83	3.3	11,300	1000	.56	.70	.85
	210	450	4.0	13,600	750	.57	.71	.88	3.8	13,100	830	.57	.73	.90	3.7	12,500	920	.58	.75	.92	3.5	12,000	1010	.59	.77	.94
	260	550	4.2	14,200	760	.60	.76	.96	4.0	13,600	840	.60	.78	.98	3.8	13,000	930	.61	.81	1.00	3.6	12,400	1020	.62	.84	1.00
71°F (21.7°C)	165	350	3.9	13,300	750	.40	.53	.67	3.8	12,800	830	.41	.54	.68	3.6	12,300	920	.41	.55	.69	3.5	11,800	1010	.41	.55	.70
	210	450	4.2	14,200	760	.42	.56	.71	4.0	13,600	840	.42	.57	.72	3.8	13,100	930	.42	.58	.74	3.7	12,500	1020	.42	.59	.75
	260	550	4.3	14,700	770	.43	.59	.77	4.2	14,200	850	.43	.60	.78	4.0	13,600	940	.43	.62	.80	3.8	13,000	1030	.44	.63	.82

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

HS23-141 WITH CR18-21 EVAPORATOR UNIT

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		
	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)	165	350	3.5	11,800	740	.74	.87	.98	3.6	12,200	830	.75	.89	1.00	3.4	11,700	920	.76	.91	1.00	3.3	11,300	1010	.77	.92	1.00
	210	450	3.7	12,500	750	.79	.94	1.00	3.8	12,900	840	.80	.96	1.00	3.6	12,400	930	.82	.97	1.00	3.5	11,900	1020	.84	.99	1.00
	260	550	3.8	13,000	760	.84	.99	1.00	3.9	13,400	850	.86	1.00	1.00	3.8	13,000	940	.88	1.00	1.00	3.7	12,500	1030	.91	1.00	1.00
67°F (19.4°C)	165	350	3.6	12,400	750	.58	.71	.84	3.8	12,800	840	.59	.72	.85	3.6	12,300	930	.60	.74	.87	3.5	11,800	1010	.61	.75	.89
	210	450	3.8	13,000	760	.62	.77	.91	4.0	13,500	850	.63	.78	.93	3.8	13,000	940	.64	.80	.95	3.6	12,400	1030	.64	.81	.96
	260	550	4.0	13,600	760	.65	.82	.97	4.1	14,000	860	.66	.84	.99	3.9	13,400	950	.67	.86	1.00	3.8	12,800	1030	.68	.88	1.00
71°F (21.7°C)	165	350	3.8	12,900	750	.44	.57	.69	3.9	13,300	850	.44	.58	.70	3.8	12,800	940	.45	.58	.71	3.6	12,300	1020	.45	.59	.72
	210	450	4.0	13,700	760	.46	.60	.74	4.1	14,100	860	.46	.61	.76	4.0	13,500	950	.46	.62	.77	3.8	13,000	1040	.47	.63	.79
	260	550	4.2	14,200	770	.47	.64	.80	4.3	14,600	870	.47	.65	.81	4.1	14,000	960	.48	.66	.83	3.9	13,400	1040	.48	.67	.85

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

RFC RATINGS

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

HS23-141 WITH C22-21(FC)/B24 EVAPORATOR UNIT

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		
	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)	165	350	3.7	12,600	730	.68	.83	.97	3.5	12,100	810	.69	.86	1.00	3.4	11,500	900	.70	.88	1.00	3.2	11,000	990	.72	.91	1.00
	210	450	3.9	13,400	740	.73	.92	1.00	3.8	12,800	820	.75	.95	1.00	3.6	12,300	910	.76	.97	1.00	3.4	11,700	1000	.78	1.00	1.00
	260	550	4.1	14,000	750	.79	.99	1.00	4.0	13,500	830	.81	1.00	1.00	3.8	12,900	920	.82	1.00	1.00	3.6	12,400	1010	.84	1.00	1.00
67°F (19.4°C)	165	350	3.9	13,300	740	.54	.67	.81	3.7	12,700	820	.55	.68	.83	3.6	12,200	910	.55	.70	.84	3.4	11,600	1000	.56	.71	.86
	210	450	4.1	14,100	750	.57	.72	.89	4.0	13,500	830	.58	.74	.91	3.8	12,900	920	.59	.76	.93	3.6	12,300	1010	.60	.78	.95
	260	550	4.3	14,700	760	.60	.77	.97	4.1	14,100	840	.61	.80	.99	4.0	13,500	930	.62	.82	1.00	3.8	12,800	1020	.63	.85	1.00
71°F (21.7°C)	165	350	4.0	13,800	740	.41	.54	.67	3.9	13,300	830	.41	.54	.68	3.7	12,700	920	.41	.55	.69	3.6	12,200	1010	.42	.56	.70
	210	450	4.3	14,700	760	.42	.57	.72	4.1	14,100	840	.42	.58	.73	4.0	13,600	930	.43	.59	.74	3.8	12,900	1020	.43	.60	.76
	260	550	4.5	15,300	770	.43	.60	.77	4.3	14,700	850	.43	.61	.79	4.1	14,100	940	.44	.62	.81	3.9	13,400	1030	.44	.64	.83

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

HS23-141 WITH CH22-21 EVAPORATOR UNIT

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		
	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)	165	350	3.4	11,700	730	.68	.83	.97	3.3	11,200	810	.69	.86	1.00	3.1	10,700	900	.70	.88	1.00	3.0	10,200	990	.72	.91	1.00
	210	450	3.6	12,400	740	.73	.92	1.00	3.5	11,900	820	.75	.95	1.00	3.3	11,400	910	.76	.97	1.00	3.2	10,800	1000	.78	1.00	1.00
	260	550	3.8	12,900	750	.79	.99	1.00	3.6	12,400	830	.81	1.00	1.00	3.5	11,900	920	.82	1.00	1.00	3.4	11,500	1010	.84	1.00	1.00
67°F (19.4°C)	165	350	3.6	12,200	740	.54	.67	.81	3.5	11,800	820	.55	.68	.82	3.3	11,300	910	.55	.70	.84	3.2	10,800	1000	.56	.71	.86
	210	450	3.8	13,000	750	.57	.72	.89	3.7	12,500	830	.58	.74	.91	3.5	12,000	920	.59	.76	.93	3.3	11,400	1010	.60	.78	.95
	260	550	4.0	13,500	760	.60	.77	.97	3.8	13,000	840	.61	.80	.99	3.6	12,400	930	.62	.83	1.00	3.5	11,800	1020	.63	.85	1.00
71°F (21.7°C)	165	350	3.7	12,700	740	.41	.54	.67	3.6	12,200	830	.41	.54	.68	3.5	11,800	920	.41	.55	.69	3.3	11,300	1010	.42	.56	.70
	210	450	4.0	13,500	760	.42	.57	.72	3.8	13,100	840	.42	.58	.73	3.7	12,500	930	.43	.59	.74	3.5	12,000	1020	.43	.60	.76
	260	550	4.1	14,100	770	.43	.60	.77	4.0	13,600	850	.44	.61	.79	3.8	13,000	940	.44	.63	.81	3.6	12,400	1030	.44	.64	.83

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

HS23-141 WITH C22-26(FC)/B24 EVAPORATOR UNIT

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		
	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)	165	350	3.8	12,800	730	.68	.83	.97	3.6	12,300	810	.69	.85	1.00	3.5	11,800	900	.70	.88	1.00	3.3	11,200	990	.72	.90	1.00
	210	450	4.0	13,700	740	.73	.92	1.00	3.8	13,100	830	.75	.95	1.00	3.7	12,500	910	.76	.97	1.00	3.5	11,900	1000	.78	1.00	1.00
	260	550	4.2	14,300	750	.79	.99	1.00	4.0	13,700	840	.80	1.00	1.00	3.9	13,200	920	.82	1.00	1.00	3.7	12,600	1010	.84	1.00	1.00
67°F (19.4°C)	165	350	4.0	13,500	740	.54	.67	.81	3.8	12,900	820	.55	.68	.83	3.6	12,400	910	.55	.69	.84	3.5	11,800	1000	.56	.71	.86
	210	450	4.2	14,300	750	.57	.72	.89	4.0	13,700	840	.58	.74	.91	3.9	13,200	920	.59	.76	.93	3.7	12,600	1010	.60	.78	.95
	260	550	4.4	15,000	760	.60	.77	.97	4.2	14,300	840	.61	.80	.99	4.0	13,700	930	.62	.83	1.00	3.8	13,100	1020	.63	.85	1.00
71°F (21.7°C)	165	350	4.1	14,000	750	.41	.53	.67	3.9	13,400	830	.41	.54	.68	3.8	12,900	920	.41	.55	.69	3.6	12,400	1010	.42	.56	.70
	210	450	4.4	14,900	760	.42	.57	.72	4.2	14,300	850	.42	.58	.73	4.0	13,800	930	.43	.59	.75	3.9	13,200	1020	.43	.60	.76
	260	550	4.6	15,600	770	.43	.60	.77	4.4	15,000	860	.43	.61	.79	4.2	14,300	940	.44	.62	.81	4.0	13,600	1030	.44	.64	.83

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

HS23-211 WITH CH24-21 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.2	17,700	1310	.66	.81	.93	4.9	16,800	1410	.68	.83	.95	4.6	15,800	1510	.69	.86	.98	4.3	14,700	1600	.71	.90	1.00
	305	650	5.5	18,700	1330	.72	.88	1.00	5.2	17,700	1430	.73	.91	1.00	4.9	16,600	1530	.76	.94	1.00	4.5	15,400	1630	.78	.98	1.00
	375	800	5.7	19,400	1340	.77	.94	1.00	5.4	18,400	1440	.80	.97	1.00	5.1	17,300	1550	.82	1.00	1.00	4.7	16,200	1660	.85	1.00	1.00
67°F (19.4°C)	235	500	5.5	18,700	1330	.53	.66	.78	5.2	17,800	1430	.53	.67	.80	4.9	16,800	1540	.54	.69	.82	4.6	15,700	1640	.55	.71	.84
	305	650	5.8	19,900	1340	.56	.70	.85	5.5	18,900	1450	.56	.72	.87	5.2	17,800	1560	.58	.74	.90	4.9	16,700	1670	.59	.77	.93
	375	800	6.0	20,600	1350	.59	.74	.93	5.7	19,600	1470	.60	.76	.96	5.4	18,500	1580	.61	.79	.99	5.0	17,200	1690	.63	.83	1.00
71°F (21.7°C)	235	500	5.8	19,700	1340	.40	.53	.65	5.5	18,800	1450	.40	.54	.66	5.2	17,800	1560	.40	.54	.67	4.9	16,700	1670	.41	.56	.69
	305	650	6.1	20,900	1360	.41	.55	.70	5.9	20,000	1470	.41	.56	.71	5.5	18,900	1590	.42	.58	.73	5.2	17,700	1700	.42	.59	.75
	375	800	6.4	21,700	1370	.42	.58	.75	6.1	20,700	1480	.43	.59	.77	5.7	19,600	1600	.43	.61	.79	5.4	18,300	1720	.44	.63	.81

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

RFC RATINGS

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

HS23-211 WITH C24-21FC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.4	18,300	1290	.66	.81	.92	5.1	17,400	1390	.67	.83	.94	4.8	16,500	1490	.68	.85	.97	4.5	15,500	1580	.70	.89	1.00
	305	650	5.8	19,700	1310	.70	.86	1.00	5.5	18,800	1420	.72	.88	1.00	5.2	17,800	1520	.74	.92	1.00	4.9	16,600	1620	.76	.96	1.00
	375	800	6.1	20,800	1330	.75	.91	1.00	5.8	19,700	1430	.77	.94	1.00	5.5	18,600	1540	.80	.98	1.00	5.1	17,300	1640	.82	1.00	1.00
67°F (19.4°C)	235	500	5.5	18,700	1300	.53	.66	.78	5.2	17,900	1400	.53	.67	.80	5.0	17,000	1500	.54	.69	.82	4.7	16,000	1600	.55	.71	.84
	305	650	6.0	20,400	1320	.55	.70	.85	5.7	19,400	1430	.56	.71	.87	5.4	18,400	1540	.57	.73	.89	5.1	17,300	1640	.58	.76	.92
	375	800	6.3	21,500	1340	.58	.73	.92	6.0	20,500	1450	.59	.75	.94	5.7	19,400	1560	.60	.77	.97	5.3	18,200	1660	.62	.81	1.00
71°F (21.7°C)	235	500	5.6	19,100	1300	.40	.53	.66	5.3	18,200	1410	.40	.53	.67	5.1	17,400	1510	.40	.55	.68	4.8	16,400	1610	.41	.56	.70
	305	650	6.1	20,800	1330	.41	.56	.70	5.8	19,900	1440	.41	.57	.71	5.5	18,900	1540	.42	.58	.73	5.2	17,800	1650	.42	.59	.75
	375	800	6.5	22,100	1350	.42	.57	.75	6.2	21,100	1460	.42	.59	.76	5.9	20,000	1570	.43	.61	.78	5.5	18,800	1680	.43	.62	.81

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

HS23-211 WITH CH22-21 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.4	18,400	1310	.68	.82	.95	5.1	17,400	1420	.69	.85	.98	4.8	16,400	1520	.71	.88	1.00	4.5	15,300	1610	.73	.92	1.00
	305	650	5.7	19,600	1330	.73	.90	1.00	5.5	18,600	1440	.75	.93	1.00	5.1	17,400	1540	.77	.97	1.00	4.8	16,300	1650	.79	1.00	1.00
	375	800	6.0	20,400	1350	.79	.97	1.00	5.7	19,400	1460	.81	.99	1.00	5.4	18,400	1560	.83	1.00	1.00	5.1	17,300	1680	.86	1.00	1.00
67°F (19.4°C)	235	500	5.7	19,300	1330	.54	.67	.80	5.4	18,400	1440	.55	.68	.82	5.1	17,300	1540	.55	.70	.84	4.7	16,200	1640	.57	.72	.87
	305	650	6.1	20,700	1350	.57	.72	.87	5.7	19,600	1460	.58	.73	.90	5.4	18,500	1570	.59	.76	.92	5.1	17,300	1680	.60	.79	.96
	375	800	6.3	21,600	1360	.60	.76	.95	6.0	20,500	1470	.61	.79	.98	5.7	19,300	1590	.62	.82	1.00	5.2	17,900	1700	.64	.86	1.00
71°F (21.7°C)	235	500	5.9	20,200	1340	.41	.53	.67	5.7	19,300	1450	.41	.54	.68	5.3	18,200	1560	.41	.55	.69	5.0	17,100	1670	.42	.57	.71
	305	650	6.4	21,700	1360	.42	.56	.71	6.0	20,600	1480	.42	.58	.73	5.7	19,400	1590	.43	.59	.75	5.3	18,200	1700	.43	.61	.77
	375	800	6.6	22,600	1370	.43	.60	.77	6.3	21,500	1490	.43	.61	.78	5.9	20,300	1610	.44	.63	.81	5.5	18,900	1720	.45	.64	.83

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

HS23-211 WITH CR18-21 EVAPORATOR UNIT

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		
	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)	260	550	5.2	17,700	1260	.74	.88	.99	5.2	17,600	1400	.76	.90	1.00	4.9	16,600	1490	.78	.93	1.00	4.5	15,500	1580	.80	.95	1.00
	305	650	5.4	18,400	1280	.77	.92	1.00	5.4	18,300	1410	.79	.94	1.00	5.1	17,300	1510	.82	.97	1.00	4.7	16,200	1600	.84	.99	1.00
	355	750	5.5	18,900	1290	.81	.96	1.00	5.5	18,900	1430	.83	.98	1.00	5.2	17,800	1520	.85	1.00	1.00	4.9	16,700	1620	.88	1.00	1.00
67°F (19.4°C)	260	550	5.5	18,700	1280	.59	.72	.84	5.4	18,600	1420	.60	.73	.86	5.1	17,500	1520	.61	.75	.89	4.8	16,400	1610	.62	.77	.92
	305	650	5.7	19,300	1290	.61	.75	.89	5.7	19,300	1440	.62	.77	.91	5.3	18,100	1530	.63	.79	.93	5.0	17,000	1630	.65	.82	.96
	355	750	5.8	19,900	1300	.63	.78	.93	5.8	19,800	1450	.64	.80	.95	5.4	18,600	1550	.65	.83	.97	5.1	17,400	1640	.67	.86	1.00
71°F (21.7°C)	260	550	5.7	19,500	1300	.44	.57	.69	5.7	19,400	1440	.45	.58	.71	5.4	18,400	1540	.45	.59	.73	5.0	17,200	1640	.46	.61	.75
	305	650	5.9	20,300	1310	.45	.59	.73	5.9	20,200	1450	.46	.60	.74	5.6	19,000	1560	.46	.62	.76	5.2	17,800	1660	.47	.63	.79
	355	750	6.1	20,800	1320	.46	.61	.76	6.1	20,800	1460	.46	.63	.78	5.7	19,600	1570	.47	.64	.80	5.4	18,300	1670	.48	.66	.83

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

HS23-211 WITH C22-21(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.5	18,600	1320	.68	.82	.95	5.2	17,600	1420	.69	.85	.98	4.9	16,600	1520	.71	.88	1.00	4.5	15,400	1610	.73	.92	1.00
	305	650	5.8	19,900	1340	.73	.90	1.00	5.5	18,800	1440	.75	.93	1.00	5.2	17,700	1550	.77	.96	1.00	4.8	16,500	1650	.79	1.00	1.00
	375	800	6.1	20,800	1350	.78	.96	1.00	5.8	19,700	1460	.80	.99	1.00	5.5	18,600	1570	.83	1.00	1.00	5.1	17,500	1680	.86	1.00	1.00
67°F (19.4°C)	235	500	5.7	19,600	1330	.54	.67	.80	5.5	18,600	1440	.55	.68	.82	5.1	17,500	1540	.55	.70	.84	4.8	16,400	1640	.56	.72	.86
	305	650	6.2	21,000	1350	.57	.71	.87	5.8	19,900	1460	.58	.73	.89	5.5	18,700	1570	.59	.76	.92	5.1	17,500	1680	.60	.79	.96
	375	800	6.4	21,900	1360	.60	.76	.95	6.1	20,800	1470	.61	.79	.97	5.7	19,500	1590	.62	.82	1.00	5.3	18,200	1700	.64	.86	1.00
71°F (21.7°C)	235	500	6.0	20,500	1340	.41	.53	.67	5.7	19,500	1450	.41	.54	.68	5.4	18,400	1560	.41	.55	.69	5.1	17,300	1670	.42	.57	.71
	305	650	6.4	21,900	1360	.42	.57	.71	6.1	20,800	1480	.42	.58	.73	5.8	19,700	1590	.43	.59	.75	5.4	18,400	1700	.43	.61	.77
	375	800	6.7	23,000	1370	.43	.59	.76	6.4	21,800	1490	.43	.61	.78	6.0	20,500	1610	.44	.62	.81	5.6	19,200	1730	.45	.64	.83

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

RFC RATINGS

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

HS23-211 WITH C23-26(FC), C23-26W(FC), C24-26FC/B24 OR C24-26WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.4	18,500	1320	.67	.81	.94	5.2	17,600	1420	.68	.83	.96	4.8	16,500	1520	.70	.86	.99	4.5	15,400	1620	.71	.90	1.00
	305	650	5.8	19,800	1340	.72	.88	1.00	5.5	18,700	1450	.73	.91	1.00	5.1	17,500	1550	.76	.95	1.00	4.8	16,400	1650	.78	.98	1.00
	375	800	6.0	20,600	1350	.77	.95	1.00	5.7	19,600	1460	.79	.97	1.00	5.4	18,400	1570	.82	1.00	1.00	5.1	17,300	1680	.84	1.00	1.00
67°F (19.4°C)	235	500	5.7	19,500	1330	.53	.66	.79	5.4	18,500	1440	.54	.67	.80	5.1	17,500	1550	.55	.69	.82	4.8	16,300	1650	.56	.71	.85
	305	650	6.1	20,900	1350	.56	.70	.86	5.8	19,800	1470	.57	.72	.88	5.5	18,600	1580	.58	.74	.91	5.1	17,400	1680	.59	.77	.94
	375	800	6.4	21,800	1370	.59	.75	.93	6.1	20,700	1480	.60	.77	.96	5.7	19,400	1590	.61	.80	.99	5.3	18,100	1700	.63	.84	1.00
71°F (21.7°C)	235	500	6.0	20,400	1350	.40	.53	.66	5.7	19,400	1460	.40	.54	.67	5.4	18,300	1570	.41	.55	.68	5.0	17,200	1680	.41	.56	.70
	305	650	6.4	21,800	1370	.41	.56	.70	6.1	20,800	1480	.42	.57	.72	5.7	19,600	1600	.42	.58	.73	5.4	18,300	1710	.42	.60	.76
	375	800	6.7	22,800	1370	.42	.58	.75	6.4	21,700	1490	.43	.60	.77	6.0	20,500	1610	.43	.61	.79	5.6	19,100	1730	.44	.63	.82

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

HS23-211 WITH C22-26(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	235	500	5.6	19,000	1320	.68	.82	.95	5.3	18,100	1430	.69	.84	.97	5.0	17,000	1530	.70	.87	1.00	4.6	15,800	1630	.72	.91	1.00
	305	650	6.0	20,400	1340	.73	.89	1.00	5.7	19,300	1450	.74	.93	1.00	5.3	18,100	1560	.76	.96	1.00	5.0	16,900	1670	.79	1.00	1.00
	375	800	6.3	21,400	1360	.78	.96	1.00	5.9	20,300	1470	.80	.99	1.00	5.6	19,100	1580	.82	1.00	1.00	5.3	18,000	1690	.85	1.00	1.00
67°F (19.4°C)	235	500	5.9	20,000	1340	.54	.66	.80	5.6	19,000	1450	.54	.68	.81	5.2	17,900	1560	.55	.70	.84	4.9	16,800	1660	.56	.72	.86
	305	650	6.3	21,500	1360	.57	.71	.87	6.0	20,400	1470	.57	.73	.89	5.6	19,200	1580	.59	.75	.92	5.2	17,900	1690	.60	.79	.95
	375	800	6.6	22,500	1370	.60	.76	.94	6.2	21,300	1480	.61	.79	.97	5.9	20,000	1600	.62	.82	1.00	5.5	18,600	1710	.64	.85	1.00
71°F (21.7°C)	235	500	6.1	20,900	1350	.41	.53	.67	5.8	19,900	1460	.41	.54	.68	5.5	18,800	1580	.41	.55	.69	5.2	17,600	1690	.42	.56	.71
	305	650	6.6	22,400	1370	.42	.56	.71	6.2	21,300	1480	.42	.57	.73	5.9	20,100	1600	.42	.59	.74	5.5	18,800	1720	.43	.60	.77
	375	800	6.9	23,500	1380	.43	.59	.76	6.5	22,300	1500	.43	.61	.78	6.2	21,000	1620	.44	.62	.80	5.8	19,700	1740	.44	.64	.83

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

HS23-261 WITH CH24-31 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	285	600	6.7	22,700	1730	.66	.80	.91	6.3	21,600	1860	.67	.82	.93	6.0	20,400	1970	.68	.84	.96	5.6	19,000	2080	.70	.88	.99
	375	800	7.2	24,500	1780	.71	.86	1.00	6.8	23,300	1900	.73	.89	1.00	6.4	22,000	2020	.75	.92	1.00	5.9	20,300	2140	.77	.96	1.00
	470	1000	7.5	25,700	1800	.77	.92	1.00	7.1	24,100	1930	.79	.96	1.00	6.7	22,800	2060	.81	.98	1.00	6.3	21,400	2180	.84	1.00	1.00
67°F (19.4°C)	285	600	7.0	23,900	1760	.52	.66	.77	6.7	22,800	1890	.53	.67	.79	6.3	21,600	2010	.54	.68	.81	5.9	20,200	2130	.55	.70	.83
	375	800	7.5	25,700	1810	.55	.70	.85	7.2	24,500	1940	.56	.71	.86	6.8	23,200	2060	.57	.73	.89	6.4	21,700	2190	.59	.76	.92
	470	1000	7.9	27,000	1840	.59	.74	.92	7.5	25,700	1970	.60	.76	.94	7.1	24,300	2100	.61	.78	.97	6.7	22,700	2230	.62	.82	1.00
71°F (21.7°C)	285	600	7.3	25,000	1790	.40	.53	.65	7.0	23,900	1920	.40	.53	.66	6.6	22,600	2050	.40	.54	.67	6.2	21,300	2170	.41	.56	.69
	375	800	7.9	27,000	1840	.41	.55	.70	7.5	25,700	1970	.41	.57	.71	7.1	24,300	2100	.42	.58	.73	6.7	22,800	2240	.42	.59	.75
	470	1000	8.3	28,300	1870	.42	.58	.75	7.9	27,000	2010	.43	.59	.77	7.5	25,500	2150	.43	.61	.79	7.0	23,900	2280	.44	.63	.81

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

HS23-261 WITH C23-26(FC), C23-26W(FC), C24-26FC/B24 OR C24-26WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	6.8	23,300	1740	.69	.84	.96	6.5	22,200	1860	.70	.86	.98	6.1	20,900	1980	.72	.89	1.00	5.7	19,600	2080	.73	.92	1.00
	415	875	7.2	24,600	1780	.73	.89	1.00	6.9	23,400	1900	.75	.92	1.00	6.4	22,000	2010	.77	.95	1.00	6.0	20,600	2120	.79	.99	1.00
	495	1050	7.5	25,500	1800	.78	.95	1.00	7.1	24,100	1920	.80	.98	1.00	6.7	22,700	2040	.83	1.00	1.00	6.3	21,400	2160	.85	1.00	1.00
67°F (19.4°C)	330	700	7.2	24,500	1780	.55	.68	.81	6.9	23,400	1900	.55	.69	.83	6.5	22,100	2020	.56	.71	.85	6.1	20,700	2130	.57	.73	.87
	415	875	7.6	25,900	1810	.57	.72	.87	7.2	24,600	1940	.58	.74	.89	6.8	23,300	2060	.59	.76	.92	6.4	21,800	2180	.60	.79	.95
	495	1050	7.9	26,800	1830	.60	.76	.94	7.5	25,500	1960	.61	.78	.96	7.0	24,000	2090	.62	.81	.99	6.6	22,500	2210	.64	.84	1.00
71°F (21.7°C)	330	700	7.5	25,600	1800	.41	.54	.68	7.2	24,500	1930	.41	.55	.69	6.8	23,200	2060	.42	.56	.70	6.4	21,800	2180	.42	.58	.72
	415	875	7.9	27,000	1840	.42	.57	.72	7.6	25,800	1970	.42	.58	.73	7.2	24,400	2100	.43	.59	.75	6.7	22,900	2230	.43	.61	.77
	495	1050	8.2	28,000	1860	.43	.59	.76	7.8	26,700	2000	.44	.61	.78	7.4	25,200	2130	.44	.62	.80	6.9	23,600	2260	.45	.64	.83

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

RFC RATINGS

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

HS23-261 WITH CR18-31 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	6.4	21,900	1720	.73	.86	.98	6.5	22,200	1890	.74	.88	.99	6.1	21,000	1990	.76	.91	1.00	5.7	19,600	2090	.78	.93	1.00
	375	800	6.6	22,600	1740	.75	.90	1.00	6.7	22,900	1910	.77	.92	1.00	6.3	21,600	2020	.79	.94	1.00	5.9	20,100	2110	.81	.97	1.00
	425	900	6.8	23,100	1760	.78	.93	1.00	6.9	23,400	1930	.79	.95	1.00	6.5	22,100	2040	.81	.97	1.00	6.0	20,600	2140	.84	.99	1.00
67°F (19.4°C)	330	700	6.8	23,300	1760	.58	.70	.82	6.9	23,700	1940	.59	.72	.84	6.5	22,300	2050	.60	.73	.87	6.1	20,900	2150	.61	.75	.90
	375	800	7.1	24,100	1780	.59	.73	.86	7.1	24,400	1960	.60	.74	.88	6.7	22,900	2070	.62	.76	.91	6.3	21,400	2170	.63	.78	.93
	425	900	7.2	24,500	1800	.61	.75	.90	7.3	24,900	1980	.62	.77	.92	6.9	23,400	2090	.63	.79	.94	6.4	21,800	2190	.65	.81	.97
71°F (21.7°C)	330	700	7.2	24,700	1800	.43	.56	.68	7.3	25,000	1980	.44	.57	.69	6.9	23,600	2100	.44	.58	.71	6.5	22,100	2210	.45	.59	.73
	375	800	7.4	25,400	1820	.44	.58	.70	7.5	25,700	2010	.45	.59	.72	7.1	24,300	2120	.45	.60	.74	6.7	22,700	2230	.46	.61	.76
	425	900	7.6	26,000	1830	.45	.59	.73	7.7	26,300	2020	.45	.61	.74	7.3	24,800	2140	.46	.62	.76	6.8	23,200	2260	.47	.63	.79

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

HS23-261 WITH C23-31(FC), C23-31W(FC), C24-31FC/B24 OR C24-31WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	6.9	23,700	1760	.68	.83	.95	6.6	22,500	1890	.70	.85	.97	6.2	21,200	2010	.71	.88	1.00	5.8	19,700	2120	.73	.92	1.00
	415	875	7.4	25,100	1800	.73	.88	1.00	6.9	23,700	1920	.74	.91	1.00	6.5	22,100	2040	.77	.95	1.00	6.1	20,700	2160	.79	.98	1.00
	495	1050	7.6	26,000	1820	.77	.94	1.00	7.2	24,600	1950	.79	.97	1.00	6.7	23,000	2070	.82	1.00	1.00	6.3	21,600	2200	.85	1.00	1.00
67°F (19.4°C)	330	700	7.3	25,000	1790	.54	.68	.80	6.9	23,700	1920	.55	.69	.82	6.6	22,400	2050	.56	.71	.84	6.1	20,900	2170	.57	.73	.87
	415	875	7.7	26,400	1830	.57	.71	.86	7.4	25,100	1960	.58	.73	.88	6.9	23,600	2090	.59	.75	.91	6.4	22,000	2220	.60	.78	.94
	495	1050	8.0	27,400	1850	.59	.75	.93	7.6	26,000	1990	.60	.77	.95	7.2	24,500	2120	.62	.80	.98	6.7	22,800	2250	.63	.83	1.00
71°F (21.7°C)	330	700	7.6	26,100	1820	.41	.54	.67	7.3	24,900	1950	.41	.55	.68	6.9	23,500	2090	.41	.56	.70	6.4	22,000	2220	.42	.57	.71
	415	875	8.1	27,700	1860	.42	.56	.71	7.7	26,300	1990	.42	.57	.73	7.3	24,900	2130	.43	.59	.74	6.8	23,200	2260	.43	.61	.77
	495	1050	8.4	28,600	1880	.43	.59	.76	8.0	27,300	2020	.43	.60	.77	7.5	25,700	2160	.44	.61	.79	7.1	24,100	2300	.44	.63	.82

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

HS23-261 WITH C22-26(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	7.0	23,800	1770	.70	.85	.97	6.6	22,600	1890	.71	.87	1.00	6.2	21,200	2010	.73	.90	1.00	5.8	19,700	2130	.75	.94	1.00
	415	875	7.4	25,200	1800	.74	.91	1.00	7.0	23,900	1930	.76	.94	1.00	6.6	22,400	2050	.78	.97	1.00	6.1	20,800	2170	.81	1.00	1.00
	495	1050	7.6	26,100	1830	.79	.97	1.00	7.2	24,700	1960	.81	.99	1.00	6.9	23,400	2090	.83	1.00	1.00	6.4	21,900	2220	.86	1.00	1.00
67°F (19.4°C)	330	700	7.3	25,000	1800	.55	.69	.82	7.0	23,900	1930	.56	.70	.84	6.6	22,400	2060	.57	.72	.86	6.2	21,000	2180	.58	.74	.89
	415	875	7.8	26,500	1840	.58	.73	.88	7.4	25,200	1970	.59	.75	.90	6.9	23,700	2100	.60	.77	.93	6.5	22,100	2220	.61	.80	.97
	495	1050	8.1	27,500	1860	.61	.77	.95	7.6	26,100	2000	.62	.80	.97	7.2	24,500	2130	.63	.83	1.00	6.7	22,800	2260	.65	.86	1.00
71°F (21.7°C)	330	700	7.7	26,200	1830	.42	.55	.69	7.3	25,000	1960	.42	.56	.70	6.9	23,600	2100	.42	.57	.71	6.4	22,000	2220	.43	.58	.73
	415	875	8.1	27,800	1860	.43	.58	.73	7.7	26,400	2000	.43	.59	.74	7.3	24,900	2140	.44	.60	.76	6.8	23,300	2270	.44	.62	.78
	495	1050	8.4	28,800	1890	.44	.60	.77	8.0	27,400	2030	.44	.62	.79	7.6	25,800	2170	.45	.63	.81	7.1	24,100	2310	.45	.65	.84

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

HS23-261 WITH CH22-31 EVAPORATOR UNIT

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		
	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)	320	675	7.0	23,900	1770	.69	.83	.96	6.7	22,700	1900	.70	.86	.98	6.3	21,400	2020	.72	.89	1.00	5.8	19,900	2130	.74	.92	1.00
	415	875	7.4	25,400	1810	.74	.90	1.00	7.1	24,100	1940	.76	.93	1.00	6.6	22,600	2060	.78	.97	1.00	6.2	21,200	2180	.80	1.00	1.00
	505	1075	7.7	26,400	1830	.80	.97	1.00	7.4	25,100	1970	.82	.99	1.00	7.0	23,800	2100	.84	1.00	1.00	6.6	22,500	2240	.86	1.00	1.00
67°F (19.4°C)	320	675	7.4	25,100	1800	.55	.68	.81	7.0	23,900	1930	.55	.70	.83	6.6	22,600	2060	.56	.71	.85	6.2	21,100	2180	.57	.74	.87
	415	875	7.9	26,800	1840	.58	.73	.88	7.5	25,500	1970	.59	.74	.90	7.0	24,000	2110	.60	.77	.93	6.6	22,500	2240	.61	.80	.96
	505	1075	8.2	27,900	1870	.61	.77	.95	7.8	26,500	2000	.62	.79	.98	7.3	25,000	2140	.63	.83	1.00	6.8	23,300	2270	.65	.86	1.00
71°F (21.7°C)	320	675	7.7	26,300	1830	.41	.54	.68	7.4	25,100	1960	.42	.55	.69	6.9	23,700	2100	.42	.56	.70	6.5	22,200	2230	.42	.57	.72
	415	875	8.2	28,000	1870	.43	.57	.73	7.8	26,700	2010	.43	.58	.74	7.4	25,200	2150	.43	.60	.76	6.9	23,700	2280	.44	.62	.78
	505	1075	8.6	29,200	1900	.44	.60	.78	8.1	27,800	2040	.44	.62	.79	7.7	26,200	2190	.45	.63	.82	7.2	24,600	2330	.45	.66	.84

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

RFC RATINGS

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

HS23-261 WITH C22-31(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	330	700	7.1	24,300	1790	.70	.84	.97	6.7	23,000	1920	.71	.87	1.00	6.3	21,600	2040	.73	.90	1.00	5.8	19,900	2150	.75	.94	1.00
	415	875	7.5	25,600	1820	.74	.91	1.00	7.1	24,100	1950	.76	.94	1.00	6.6	22,600	2070	.78	.98	1.00	6.2	21,000	2200	.81	1.00	1.00
	495	1050	7.8	26,500	1850	.79	.97	1.00	7.3	24,900	1980	.81	1.00	1.00	6.9	23,700	2110	.83	1.00	1.00	6.5	22,300	2240	.86	1.00	1.00
67°F (19.4°C)	330	700	7.6	25,800	1830	.55	.68	.82	7.2	24,400	1960	.56	.70	.84	6.7	23,000	2090	.57	.72	.86	6.3	21,400	2210	.58	.74	.89
	415	875	8.0	27,200	1860	.58	.73	.88	7.5	25,700	2000	.59	.75	.90	7.1	24,200	2130	.60	.77	.93	6.6	22,500	2250	.61	.80	.96
	495	1050	8.2	28,100	1890	.61	.77	.95	7.8	26,600	2020	.62	.80	.97	7.3	25,000	2160	.63	.83	1.00	6.8	23,200	2290	.65	.87	1.00
71°F (21.7°C)	330	700	8.0	27,200	1870	.42	.54	.68	7.6	25,900	2000	.42	.55	.69	7.2	24,400	2140	.42	.56	.71	6.7	22,800	2270	.43	.58	.73
	415	875	8.4	28,700	1900	.43	.57	.72	8.0	27,200	2040	.43	.58	.74	7.5	25,600	2180	.43	.60	.76	7.0	23,900	2320	.44	.61	.78
	495	1050	8.7	29,600	1930	.44	.60	.77	8.2	28,100	2070	.44	.61	.79	7.7	26,400	2210	.45	.63	.81	7.2	24,600	2350	.45	.65	.84

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

HS23-311 WITH CH24-31 EVAPORATOR UNIT

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	285	600	7.9	27,000	2120	.63	.77	.87	7.6	25,900	2290	.64	.78	.88	7.3	24,800	2450	.65	.80	.90	6.9	23,500	2600	.67	.82	.92
	375	800	8.6	29,300	2180	.68	.82	.95	8.2	28,000	2350	.70	.83	.98	7.9	26,800	2520	.71	.85	1.00	7.4	25,400	2690	.73	.88	1.00
	470	1000	9.0	30,800	2210	.74	.86	1.00	8.7	29,600	2390	.75	.88	1.00	8.2	28,100	2570	.77	.91	1.00	7.8	26,600	2740	.79	.94	1.00
67°F (19.4°C)	285	600	8.3	28,300	2150	.50	.64	.74	8.0	27,300	2320	.51	.65	.75	7.6	26,100	2490	.51	.66	.77	7.3	24,900	2660	.52	.67	.78
	375	800	9.0	30,800	2210	.53	.67	.81	8.7	29,600	2390	.54	.68	.82	8.3	28,200	2570	.55	.70	.84	7.9	26,800	2750	.56	.72	.86
	470	1000	9.5	32,400	2250	.56	.70	.87	9.1	31,100	2440	.57	.72	.89	8.7	29,700	2630	.58	.74	.91	8.3	28,200	2810	.59	.76	.94
71°F (21.7°C)	285	600	8.7	29,600	2180	.38	.52	.63	8.4	28,500	2360	.38	.53	.63	8.0	27,300	2540	.38	.53	.64	7.6	26,000	2710	.39	.54	.65
	375	800	9.4	32,200	2240	.39	.54	.67	9.1	31,000	2430	.39	.55	.68	8.7	29,600	2620	.40	.56	.69	8.3	28,200	2810	.40	.57	.71
	470	1000	9.9	33,800	2280	.40	.56	.72	9.6	32,600	2480	.41	.57	.73	9.1	31,200	2680	.41	.58	.75	8.7	29,600	2870	.41	.59	.76

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

HS23-311 WITH CR18-31 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.0	27,400	2140	.74	.87	.98	7.9	27,000	2340	.75	.89	1.00	7.5	25,700	2500	.76	.91	1.00	7.1	24,200	2650	.78	.93	1.00
	495	1050	8.3	28,400	2170	.76	.91	1.00	8.2	27,900	2370	.78	.93	1.00	7.8	26,500	2530	.80	.95	1.00	7.3	25,000	2690	.82	.97	1.00
	565	1200	8.6	29,200	2190	.79	.94	1.00	8.4	28,600	2400	.81	.96	1.00	8.0	27,200	2560	.83	.98	1.00	7.5	25,700	2720	.85	1.00	1.00
67°F (19.4°C)	425	900	8.6	29,200	2190	.58	.71	.83	8.4	28,800	2400	.59	.72	.85	8.0	27,300	2570	.60	.74	.87	7.6	25,800	2720	.61	.76	.90
	495	1050	8.8	30,100	2210	.60	.74	.87	8.7	29,700	2430	.61	.75	.90	8.2	28,100	2600	.62	.77	.92	7.8	26,500	2760	.63	.79	.94
	565	1200	9.1	30,900	2230	.62	.77	.91	8.9	30,400	2450	.63	.78	.93	8.4	28,800	2630	.64	.80	.96	7.9	27,100	2790	.65	.83	.98
71°F (21.7°C)	425	900	9.1	30,900	2230	.44	.57	.68	8.9	30,500	2450	.44	.57	.70	8.5	28,900	2630	.45	.58	.71	8.0	27,400	2810	.45	.60	.73
	495	1050	9.3	31,900	2250	.45	.58	.71	9.2	31,400	2480	.45	.59	.73	8.7	29,800	2670	.46	.61	.74	8.3	28,200	2840	.46	.62	.77
	565	1200	9.6	32,800	2270	.45	.60	.74	9.4	32,100	2500	.46	.61	.76	8.9	30,500	2690	.47	.63	.78	8.4	28,800	2870	.47	.64	.80

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

HS23-311 WITH C23-31(FC), C23-31W(FC), C24-31FC/B24 OR C24-31WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.5	28,900	2210	.70	.84	.96	8.1	27,700	2390	.71	.86	.98	7.7	26,400	2560	.72	.88	1.00	7.3	24,800	2730	.74	.91	1.00
	505	1075	8.8	30,100	2240	.73	.88	1.00	8.4	28,800	2420	.75	.90	1.00	8.0	27,300	2600	.76	.93	1.00	7.6	25,800	2780	.78	.96	1.00
	590	1250	9.1	31,100	2260	.77	.92	1.00	8.7	29,700	2450	.79	.94	1.00	8.2	28,100	2630	.80	.97	1.00	7.7	26,400	2810	.83	1.00	1.00
67°F (19.4°C)	425	900	8.9	30,400	2250	.55	.69	.82	8.5	29,100	2430	.56	.70	.83	8.1	27,800	2620	.56	.72	.85	7.7	26,300	2800	.57	.73	.87
	505	1075	9.3	31,600	2270	.57	.72	.87	8.9	30,300	2470	.58	.73	.88	8.5	28,900	2660	.59	.75	.90	8.0	27,300	2850	.60	.77	.93
	590	1250	9.6	32,700	2290	.59	.74	.91	9.1	31,200	2490	.60	.76	.93	8.7	29,700	2690	.61	.78	.96	8.2	28,100	2890	.62	.81	.98
71°F (21.7°C)	425	900	9.3	31,700	2280	.41	.55	.69	8.9	30,500	2470	.41	.56	.70	8.5	29,100	2670	.42	.57	.71	8.1	27,600	2860	.42	.58	.72
	505	1075	9.7	33,200	2300	.42	.57	.72	9.3	31,700	2510	.42	.58	.73	8.9	30,200	2710	.43	.59	.75	8.4	28,700	2920	.43	.60	.76
	590	1250	10.0	34,200	2330	.43	.59	.75	9.6	32,700	2530	.43	.60	.77	9.1	31,200	2750	.44	.61	.78	8.6	29,500	2960	.44	.63	.80

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

RFC RATINGS

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

HS23-311 WITH CH22-31 EVAPORATOR UNIT

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	375	800	8.4	28,800	2200	.69	.83	.94	8.1	27,600	2380	.70	.85	.96	7.7	26,400	2550	.71	.87	.98	7.3	25,000	2730	.72	.90	1.00
	470	1000	8.9	30,200	2230	.73	.88	1.00	8.5	29,100	2420	.74	.90	1.00	8.1	27,600	2610	.76	.93	1.00	7.7	26,200	2790	.78	.96	1.00
	565	1200	9.2	31,300	2260	.78	.92	1.00	8.8	30,000	2450	.79	.95	1.00	8.4	28,700	2640	.81	.98	1.00	8.0	27,200	2840	.83	1.00	1.00
67°F (19.4°C)	375	800	8.9	30,300	2240	.54	.68	.80	8.5	29,100	2420	.55	.69	.82	8.1	27,800	2610	.56	.71	.83	7.7	26,400	2790	.56	.73	.85
	470	1000	9.3	31,700	2270	.57	.72	.87	9.0	30,600	2470	.58	.73	.88	8.6	29,200	2660	.59	.75	.90	8.1	27,700	2860	.60	.77	.92
	565	1200	9.7	33,000	2290	.60	.74	.93	9.3	31,700	2500	.61	.77	.94	8.9	30,200	2700	.62	.79	.97	8.4	28,800	2900	.63	.82	.99
71°F (21.7°C)	375	800	9.3	31,700	2270	.41	.54	.68	8.9	30,500	2460	.41	.56	.68	8.5	29,100	2660	.41	.56	.70	8.1	27,700	2850	.42	.57	.71
	470	1000	9.8	33,300	2300	.42	.57	.72	9.4	32,100	2510	.42	.58	.73	9.0	30,600	2720	.43	.59	.74	8.5	29,100	2920	.43	.60	.76
	565	1200	10.1	34,600	2320	.43	.59	.76	9.7	33,200	2540	.43	.60	.77	9.3	31,800	2750	.44	.61	.79	8.9	30,300	2970	.44	.63	.81

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

HS23-311 WITH C23-41(FC), C23-41W(FC), C24-41FC/B24 OR C24-41WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.6	29,200	2220	.70	.85	.97	8.2	27,900	2400	.71	.87	.99	7.8	26,500	2570	.73	.89	1.00	7.4	25,100	2740	.74	.92	1.00
	505	1075	8.9	30,500	2250	.74	.89	1.00	8.5	29,100	2430	.75	.91	1.00	8.1	27,600	2610	.77	.94	1.00	7.6	26,000	2790	.79	.97	1.00
	590	1250	9.2	31,300	2270	.78	.93	1.00	8.8	29,900	2460	.79	.95	1.00	8.3	28,400	2650	.81	.98	1.00	7.8	26,700	2820	.83	1.00	1.00
67°F (19.4°C)	425	900	9.0	30,700	2250	.55	.69	.82	8.6	29,400	2440	.56	.71	.84	8.2	28,000	2630	.57	.72	.85	7.8	26,500	2810	.58	.74	.87
	505	1075	9.4	32,000	2280	.57	.72	.87	9.0	30,700	2480	.58	.74	.89	8.6	29,200	2670	.59	.76	.91	8.1	27,600	2860	.60	.78	.93
	590	1250	9.7	33,100	2300	.60	.75	.92	9.3	31,600	2500	.61	.77	.94	8.8	30,000	2700	.62	.79	.96	8.3	28,400	2900	.63	.81	.99
71°F (21.7°C)	425	900	9.4	32,100	2280	.41	.56	.69	9.0	30,700	2480	.42	.56	.70	8.6	29,400	2680	.42	.57	.71	8.2	27,900	2880	.42	.58	.73
	505	1075	9.8	33,600	2310	.42	.57	.72	9.4	32,100	2520	.43	.58	.74	9.0	30,600	2720	.43	.60	.75	8.5	29,000	2930	.43	.61	.77
	590	1250	10.1	34,600	2330	.43	.59	.76	9.7	33,100	2540	.43	.60	.77	9.3	31,600	2760	.44	.61	.79	8.8	29,900	2970	.44	.63	.81

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

HS23-311 WITH CH24-41 EVAPORATOR UNIT

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		
	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)	375	800	8.9	30,500	2190	.68	.82	.93	8.6	29,300	2360	.69	.84	.94	8.2	27,900	2530	.70	.86	.97	7.8	26,500	2700	.71	.88	.99
	495	1050	9.5	32,500	2230	.73	.88	1.00	9.1	31,100	2410	.74	.90	1.00	8.7	29,700	2600	.76	.93	1.00	8.2	28,100	2770	.78	.96	1.00
	615	1300	9.9	33,900	2260	.79	.93	1.00	9.5	32,400	2450	.80	.96	1.00	9.0	30,700	2630	.82	.98	1.00	8.6	29,200	2820	.84	1.00	1.00
67°F (19.4°C)	375	800	9.4	32,100	2220	.54	.68	.79	9.1	30,900	2410	.54	.69	.80	8.6	29,400	2590	.55	.70	.82	8.2	28,000	2760	.56	.72	.84
	495	1050	10.1	34,300	2260	.57	.71	.86	9.6	32,900	2460	.58	.73	.88	9.2	31,300	2650	.59	.75	.90	8.7	29,700	2840	.60	.77	.92
	615	1300	10.5	35,700	2290	.60	.75	.93	10.0	34,200	2490	.61	.77	.95	9.6	32,600	2690	.62	.79	.98	9.1	30,900	2890	.63	.82	1.00
71°F (21.7°C)	375	800	9.8	33,600	2250	.41	.54	.67	9.5	32,300	2440	.41	.55	.68	9.1	30,900	2640	.41	.56	.69	8.6	29,400	2830	.41	.57	.70
	495	1050	10.5	35,900	2290	.42	.57	.72	10.1	34,500	2500	.42	.58	.73	9.6	32,900	2700	.42	.59	.74	9.1	31,200	2910	.43	.60	.76
	615	1300	11.0	37,400	2320	.43	.59	.77	10.5	35,800	2540	.43	.61	.78	10.0	34,200	2750	.44	.62	.80	9.5	32,500	2960	.44	.64	.82

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

HS23-311 WITH C22-31(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.7	29,800	2250	.71	.86	.99	8.3	28,400	2430	.73	.88	1.00	7.9	26,900	2610	.74	.91	1.00	7.4	25,300	2780	.76	.94	1.00
	505	1075	9.1	31,000	2280	.75	.92	1.00	8.6	29,400	2470	.77	.94	1.00	8.2	28,000	2650	.79	.97	1.00	7.7	26,300	2840	.81	.99	1.00
	590	1250	9.4	32,000	2290	.79	.96	1.00	8.9	30,400	2490	.81	.98	1.00	8.4	28,800	2680	.83	1.00	1.00	8.0	27,300	2880	.85	1.00	1.00
67°F (19.4°C)	425	900	9.3	31,600	2290	.56	.70	.84	8.9	30,200	2490	.57	.71	.85	8.4	28,600	2680	.58	.73	.87	7.9	27,000	2870	.59	.75	.89
	505	1075	9.6	32,900	2320	.59	.74	.89	9.2	31,300	2520	.59	.75	.91	8.7	29,700	2720	.60	.77	.93	8.2	28,000	2920	.62	.80	.95
	590	1250	9.9	33,800	2330	.61	.77	.94	9.4	32,200	2540	.62	.79	.96	8.9	30,500	2750	.63	.81	.98	8.4	28,700	2950	.64	.84	1.00
71°F (21.7°C)	425	900	9.8	33,400	2320	.42	.56	.70	9.3	31,900	2530	.42	.57	.71	8.9	30,300	2740	.43	.58	.72	8.4	28,700	2950	.43	.59	.74
	505	1075	10.2	34,700	2350	.43	.58	.73	9.7	33,100	2570	.43	.59	.75	9.2	31,500	2780	.44	.60	.76	8.7	29,800	3000	.44	.62	.78
	590	1250	10.5	35,700	2370	.44	.60	.77	10.0	34,000	2590	.44	.61	.79	9.5	32,300	2820	.45	.63	.80	8.9	30,500	3040	.45	.64	.82

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

RFC RATINGS

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

HS23-311 WITH C22-41(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	425	900	8.9	30,400	2250	.72	.87	.99	8.5	28,900	2440	.73	.89	1.00	8.0	27,400	2620	.75	.91	1.00	7.6	25,800	2790	.76	.94	1.00
	505	1075	9.3	31,600	2280	.76	.92	1.00	8.8	30,000	2470	.77	.94	1.00	8.4	28,500	2660	.79	.97	1.00	7.9	26,800	2840	.81	.99	1.00
	590	1250	9.6	32,700	2300	.79	.97	1.00	9.1	31,000	2500	.81	.99	1.00	8.6	29,400	2690	.83	1.00	1.00	8.2	27,900	2890	.85	1.00	1.00
67°F (19.4°C)	425	900	9.4	32,200	2290	.56	.70	.84	9.0	30,800	2490	.57	.72	.86	8.5	29,100	2680	.58	.73	.88	8.1	27,500	2870	.59	.75	.90
	505	1075	9.8	33,500	2320	.59	.74	.89	9.3	31,900	2520	.60	.76	.91	8.9	30,300	2730	.61	.78	.93	8.4	28,500	2920	.62	.80	.96
	590	1250	10.1	34,400	2340	.61	.77	.94	9.6	32,800	2550	.62	.79	.96	9.1	31,100	2760	.63	.82	.99	8.6	29,300	2960	.65	.85	1.00
71°F (21.7°C)	425	900	10.0	34,000	2330	.42	.56	.70	9.5	32,500	2540	.43	.57	.71	9.1	30,900	2750	.43	.58	.73	8.6	29,300	2960	.43	.59	.74
	505	1075	10.4	35,400	2360	.43	.58	.74	9.9	33,700	2570	.44	.59	.75	9.4	32,100	2790	.44	.60	.77	8.9	30,300	3010	.44	.62	.78
	590	1250	10.7	36,400	2370	.44	.60	.77	10.2	34,700	2600	.44	.61	.79	9.6	32,900	2820	.45	.63	.81	9.1	31,000	3050	.45	.65	.83

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

HS23-311 WITH CH22-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	400	850	8.6	29,200	2210	.70	.84	.97	8.2	28,100	2390	.71	.87	.98	7.9	27,000	2580	.72	.89	1.00	7.5	25,500	2750	.74	.92	1.00
	495	1050	8.9	30,200	2240	.75	.88	1.00	8.6	29,400	2430	.76	.92	1.00	8.2	28,100	2620	.77	.95	1.00	7.8	26,700	2810	.79	.99	1.00
	590	1250	9.2	31,300	2260	.79	.92	1.00	8.8	30,200	2460	.81	.96	1.00	8.6	29,200	2660	.82	.99	1.00	8.2	28,000	2870	.84	1.00	1.00
67°F (19.4°C)	400	850	9.1	30,900	2250	.55	.69	.82	8.7	29,800	2440	.56	.71	.83	8.3	28,400	2630	.57	.72	.85	7.9	27,100	2820	.57	.74	.87
	495	1050	9.3	31,900	2270	.58	.72	.88	9.1	31,000	2480	.59	.74	.90	8.7	29,800	2680	.59	.76	.91	8.3	28,300	2880	.60	.79	.93
	590	1120	9.6	32,900	2290	.61	.75	.94	9.3	31,600	2500	.62	.78	.96	8.9	30,300	2710	.63	.80	.98	8.5	29,100	2920	.64	.83	1.00
71°F (21.7°C)	400	850	9.6	32,600	2280	.41	.56	.69	9.2	31,300	2480	.42	.56	.70	8.8	30,000	2690	.42	.57	.71	8.3	28,400	2890	.42	.58	.72
	495	1050	9.9	33,900	2310	.43	.58	.73	9.5	32,500	2520	.43	.59	.74	9.2	31,200	2740	.43	.60	.75	8.7	29,700	2950	.44	.62	.77
	590	1250	10.1	34,500	2330	.44	.59	.78	9.8	33,400	2540	.44	.61	.79	9.3	31,900	2770	.44	.63	.80	8.9	30,500	2990	.45	.64	.82

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

RFC RATINGS — U.S. HS23-411-413 AND CANADA HS23-411 ONLY

HS23-411-413 WITH CH24-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.4	35,400	2730	.68	.82	.94	9.8	33,600	2930	.69	.84	.96	9.3	31,800	3120	.70	.86	.99	8.8	30,000	3300	.72	.89	1.00
	565	1200	10.9	37,100	2780	.71	.85	1.00	10.3	35,100	2980	.73	.88	1.00	9.7	33,200	3180	.74	.91	1.00	9.1	31,100	3360	.77	.94	1.00
	660	1400	11.2	38,100	2810	.75	.89	1.00	10.6	36,200	3020	.77	.92	1.00	10.0	34,200	3220	.79	.95	1.00	9.4	32,000	3410	.81	.98	1.00
67°F (19.4°C)	470	1000	10.9	37,200	2790	.53	.67	.79	10.4	35,500	2990	.54	.69	.81	9.8	33,600	3200	.55	.70	.83	9.3	31,700	3390	.56	.72	.85
	565	1200	11.4	38,900	2830	.56	.70	.84	10.8	37,000	3050	.56	.71	.86	10.3	35,000	3260	.57	.73	.88	9.6	32,900	3460	.59	.75	.91
	660	1400	11.7	40,100	2870	.58	.72	.89	11.2	38,100	3090	.59	.74	.91	10.5	36,000	3330	.60	.76	.94	9.9	33,900	3520	.61	.79	.97
71°F (21.7°C)	470	1000	11.4	38,900	2830	.40	.54	.67	10.9	37,100	3050	.40	.55	.68	10.3	35,200	3270	.41	.56	.69	9.7	33,200	3480	.41	.57	.70
	565	1200	11.9	40,600	2880	.41	.56	.70	11.4	38,800	3100	.41	.57	.71	10.7	36,600	3330	.42	.58	.73	10.1	34,600	3550	.42	.59	.75
	660	1400	12.3	41,900	2920	.42	.58	.73	11.7	39,800	3150	.42	.59	.75	11.0	37,700	3380	.43	.60	.77	10.4	35,600	3610	.43	.61	.79

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

HS23-411-413 WITH CH22-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.5	35,900	2770	.69	.83	.96	10.0	34,100	2970	.71	.86	.98	9.4	32,200	3170	.72	.88	1.00	8.9	30,300	3360	.74	.92	1.00
	565	1200	11.0	37,400	2820	.73	.88	1.00	10.4	35,500	3030	.75	.91	1.00	9.8	33,500	3230	.76	.94	1.00	9.2	31,500	3430	.79	.97	1.00
	660	1400	11.3	38,600	2850	.77	.92	1.00	10.7	36,500	3060	.79	.95	1.00	10.1	34,600	3270	.81	.98	1.00	9.6	32,600	3500	.83	1.00	1.00
67°F (19.4°C)	470	1000	11.1	37,800	2830	.55	.68	.81	10.5	35,900	3040	.55	.70	.83	10.0	34,000	3250	.56	.72	.85	9.4	32,100	3460	.57	.74	.87
	565	1200	11.5	39,400	2870	.57	.72	.87	11.0	37,500	3090	.58	.73	.88	10.4	35,400	3310	.59	.75	.91	9.8	33,300	3530	.60	.78	.94
	660	1400	11.9	40,500	2900	.59	.74	.92	11.3	38,500	3130	.60	.76	.94	10.7	36,400	3360	.61	.79	.97	10.0	34,200	3580	.63	.82	1.00
71°F (21.7°C)	470	1000	11.6	39,500	2880	.41	.55	.68	11.0	37,600	3100	.41	.56	.69	10.4	35,600	3320	.42	.57	.71	9.8	33,600	3550	.42	.58	.72
	565	1200	12.1	41,200	2920	.42	.57	.72	11.5	39,200	3160	.42	.58	.73	10.9	37,200	3390	.43	.59	.75	10.3	35,000	3620	.43	.61	.77
	660	1400	12.5	42,500	2960	.43	.59	.75	11.8	40,400	3200	.43	.60	.77	11.2	38,300	3440	.44	.61	.79	10.6	36,100	3680	.44	.63	.81

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

RFC RATINGS — U.S. HS23-411-413 AND CANADA HS23-411 ONLY

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

HS23-411-413 WITH CR18-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.3	35,100	2720	.71	.84	.95	10.0	34,100	2970	.73	.86	.98	9.4	32,100	3160	.74	.88	.99	8.8	30,100	3330	.76	.91	1.00
	565	1200	10.7	36,500	2760	.75	.88	.99	10.4	35,500	3030	.76	.91	1.00	9.8	33,400	3220	.78	.93	1.00	9.1	31,200	3400	.80	.96	1.00
	660	1400	11.1	37,800	2800	.78	.93	1.00	10.7	36,600	3070	.80	.95	1.00	10.1	34,500	3270	.82	.97	1.00	9.5	32,300	3460	.84	1.00	1.00
67°F (19.4°C)	470	1000	10.9	37,300	2790	.57	.69	.80	10.6	36,300	3060	.58	.70	.82	10.0	34,200	3260	.59	.72	.84	9.4	32,000	3440	.60	.74	.87
	565	1200	11.4	38,900	2840	.59	.72	.85	11.0	37,700	3110	.60	.74	.87	10.4	35,500	3320	.61	.76	.90	9.7	33,200	3510	.62	.78	.93
	660	1400	11.8	40,200	2880	.61	.75	.89	11.4	38,800	3160	.62	.77	.92	10.7	36,500	3370	.63	.79	.94	10.0	34,100	3560	.65	.82	.97
71°F (21.7°C)	470	1000	11.6	39,500	2860	.44	.55	.66	11.3	38,400	3140	.44	.56	.67	10.6	36,200	3350	.44	.57	.69	10.0	34,000	3550	.45	.58	.71
	565	1200	12.0	41,100	2920	.44	.57	.69	11.7	39,900	3200	.45	.58	.71	11.0	37,600	3420	.45	.59	.73	10.3	35,200	3620	.46	.61	.75
	660	1400	12.5	42,500	2960	.45	.59	.73	12.0	41,100	3240	.46	.60	.74	11.3	38,600	3470	.46	.62	.77	10.6	36,100	3670	.47	.64	.79

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

HS23-411-413 WITH C23-41(FC), C23-41W(FC), C24-41FC/B24 OR C24-41WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.6	36,200	2750	.68	.82	.94	10.1	34,400	2940	.69	.84	.96	9.5	32,500	3130	.71	.86	.99	9.0	30,600	3320	.72	.89	1.00
	540	1150	11.0	37,500	2780	.70	.85	.99	10.4	35,600	2980	.72	.87	1.00	9.8	33,600	3180	.74	.90	1.00	9.2	31,500	3370	.76	.93	1.00
	615	1300	11.3	38,500	2810	.73	.88	1.00	10.7	36,500	3020	.75	.90	1.00	10.1	34,500	3210	.77	.93	1.00	9.4	32,200	3400	.79	.97	1.00
67°F (19.4°C)	470	1000	11.2	38,100	2800	.53	.67	.80	10.6	36,200	3010	.54	.68	.81	10.1	34,300	3210	.55	.70	.83	9.5	32,300	3410	.56	.72	.86
	540	1150	11.5	39,400	2840	.55	.69	.83	11.0	37,400	3050	.56	.71	.85	10.4	35,400	3260	.57	.72	.88	9.8	33,300	3470	.58	.75	.90
	615	1300	11.9	40,500	2870	.57	.71	.87	11.3	38,400	3080	.58	.73	.89	10.6	36,300	3300	.59	.75	.92	10.0	34,100	3510	.60	.77	.95
71°F (21.7°C)	470	1000	11.7	39,800	2850	.40	.54	.67	11.1	37,900	3060	.40	.55	.68	10.5	35,900	3280	.40	.56	.69	9.9	33,900	3500	.41	.57	.71
	540	1150	12.0	41,100	2880	.41	.56	.69	11.5	39,100	3110	.41	.56	.71	10.9	37,100	3330	.41	.57	.72	10.2	34,900	3550	.42	.59	.74
	615	1300	12.4	42,300	2910	.41	.57	.72	11.8	40,100	3140	.42	.58	.73	11.1	38,000	3370	.42	.59	.75	10.5	35,800	3600	.42	.60	.77

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

HS23-411-413 WITH C23-46(FC) OR C24-46FC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.8	36,700	2770	.69	.83	.96	10.2	34,800	2970	.70	.85	.98	9.6	32,900	3160	.72	.88	1.00	9.1	30,900	3350	.74	.91	1.00
	540	1150	11.1	38,000	2810	.72	.86	1.00	10.6	36,000	3010	.73	.89	1.00	9.9	33,900	3210	.75	.92	1.00	9.3	31,900	3400	.77	.95	1.00
	615	1300	11.5	39,100	2840	.74	.90	1.00	10.8	37,000	3050	.76	.92	1.00	10.2	34,800	3250	.78	.96	1.00	9.6	32,600	3450	.81	.99	1.00
67°F (19.4°C)	470	1000	11.3	38,500	2820	.54	.68	.81	10.7	36,600	3030	.55	.69	.83	10.2	34,700	3240	.56	.71	.85	9.6	32,600	3450	.57	.73	.87
	540	1150	11.7	39,900	2860	.56	.70	.85	11.1	37,900	3080	.57	.72	.87	10.5	35,800	3290	.58	.74	.89	9.8	33,600	3500	.59	.76	.92
	615	1300	12.0	41,100	2890	.58	.72	.89	11.4	38,900	3110	.59	.74	.91	10.8	36,700	3330	.60	.76	.93	10.1	34,500	3550	.61	.79	.97
71°F (21.7°C)	470	1000	11.8	40,100	2870	.41	.55	.68	11.2	38,200	3090	.41	.55	.69	10.6	36,200	3310	.41	.56	.70	10.0	34,200	3530	.42	.58	.72
	540	1150	12.2	41,700	2910	.41	.56	.70	11.6	39,600	3140	.42	.57	.72	11.0	37,400	3360	.42	.58	.73	10.3	35,200	3590	.42	.60	.75
	615	1300	12.6	42,900	2940	.42	.57	.73	11.9	40,700	3170	.42	.58	.75	11.3	38,500	3410	.43	.60	.76	10.6	36,200	3640	.43	.61	.79

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

HS23-411-413 WITH C22-41(FC)/B24 EVAPORATOR UNIT

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		
	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	11.1	37,800	2800	.69	.84	.97	10.5	35,700	3000	.71	.86	.99	9.9	33,700	3190	.73	.89	1.00	9.3	31,600	3380	.75	.92	1.00
	540	1150	11.4	39,000	2830	.72	.88	1.00	10.8	36,900	3040	.74	.90	1.00	10.2	34,700	3240	.76	.93	1.00	9.5	32,500	3430	.78	.97	1.00
	615	1300	11.7	39,900	2860	.75	.91	1.00	11.1	37,800	3070	.77	.94	1.00	10.4	35,600	3280	.79	.97	1.00	9.8	33,300	3480	.82	1.00	1.00
67°F (19.4°C)	470	1000	11.8	40,100	2860	.55	.68	.81	11.1	37,900	3080	.55	.70	.83	10.5	35,800	3290	.56	.71	.86	9.8	33,600	3500	.57	.73	.88
	540	1150	12.1	41,300	2900	.56	.71	.85	11.5	39,100	3120	.57	.72	.88	10.8	36,800	3340	.58	.74	.90	10.1	34,600	3550	.60	.77	.93
	615	1300	12.4	42,300	2920	.58	.73	.89	11.8	40,100	3150	.59	.75	.92	11.0	37,700	3370	.60	.77	.95	10.3	35,300	3590	.62	.80	.98
71°F (21.7°C)	470	1000	12.4	42,200	2920	.41	.54	.68	11.7	40,000	3150	.41	.55	.69	11.1	37,800	3380	.41	.56	.71	10.4	35,600	3600	.42	.58	.72
	540	1150	12.7	43,500	2950	.41	.56	.71	12.1	41,300	3190	.42	.57	.72	11.4	39,000	3430	.42	.58	.74	10.7	36,600	3660	.43	.60	.76
	615	1300	13.0	44,500	2980	.42	.58	.73	12.4	42,200	3220	.43	.59	.75	11.7	39,800	3470	.43	.60	.77	11.0	37,400	3710	.44	.62	.79

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

RFC RATINGS — CANADA HS23-413 ONLY

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

HS23-413 WITH CH24-41 EVAPORATOR UNIT

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		
	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	9.9	33,900	2820	.69	.83	.94	9.4	32,200	3040	.70	.85	.96	8.9	30,500	3300	.72	.87	.99	8.4	28,700	3610	.73	.90	1.00
	565	1200	10.4	35,400	2870	.72	.86	1.00	9.8	33,600	3090	.74	.89	1.00	9.3	31,800	3360	.76	.91	1.00	8.7	29,800	3690	.78	.95	1.00
	660	1400	10.7	36,500	2910	.76	.90	1.00	10.2	34,700	3140	.78	.93	1.00	9.6	32,700	3410	.80	.96	1.00	8.9	30,500	3740	.82	.98	1.00
67°F (19.4°C)	470	1000	10.4	35,600	2880	.54	.68	.80	10.0	34,000	3110	.55	.70	.82	9.4	32,200	3390	.56	.71	.84	8.9	30,300	3720	.57	.73	.86
	565	1200	10.9	37,300	2930	.56	.71	.85	10.4	35,400	3170	.57	.73	.87	9.8	33,500	3450	.58	.74	.89	9.2	31,400	3810	.60	.77	.92
	660	1400	11.3	38,400	2970	.59	.74	.90	10.7	36,500	3210	.60	.75	.92	10.1	34,500	3510	.61	.77	.95	9.5	32,300	3870	.62	.80	.98
71°F (21.7°C)	470	1000	10.9	37,300	2930	.41	.55	.68	10.4	35,600	3170	.41	.56	.69	9.9	33,700	3470	.41	.57	.70	9.3	31,700	3830	.42	.58	.72
	565	1200	11.4	38,900	2980	.42	.57	.71	10.9	37,100	3230	.42	.58	.72	10.3	35,000	3540	.42	.59	.74	9.7	33,000	3920	.43	.60	.76
	660	1400	11.8	40,200	3020	.42	.59	.75	11.2	38,200	3280	.43	.60	.76	10.6	36,100	3600	.43	.61	.78	9.9	33,900	3990	.44	.63	.80

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

HS23-413 WITH C23-41(FC), C23-41W(FC), C24-41FC/B24 OR C24-41WFC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.6	36,300	2830	.68	.82	.94	10.1	34,600	3030	.69	.84	.96	9.6	32,700	3260	.70	.86	.99	9.0	30,700	3550	.72	.89	1.00
	540	1150	11.0	37,600	2860	.70	.85	.99	10.5	35,700	3070	.72	.87	1.00	9.9	33,700	3310	.74	.90	1.00	9.2	31,500	3610	.76	.93	1.00
	615	1300	11.3	38,600	2890	.73	.88	1.00	10.7	36,600	3100	.75	.90	1.00	10.1	34,600	3350	.77	.93	1.00	9.5	32,300	3650	.79	.97	1.00
67°F (19.4°C)	470	1000	11.2	38,200	2880	.53	.67	.80	10.7	36,400	3090	.54	.68	.81	10.1	34,400	3350	.55	.70	.83	9.5	32,300	3660	.56	.72	.86
	540	1150	11.6	39,500	2920	.55	.69	.83	11.0	37,600	3140	.56	.71	.85	10.4	35,500	3400	.57	.72	.88	9.8	33,400	3730	.58	.75	.90
	615	1300	11.9	40,600	2950	.57	.71	.87	11.3	38,600	3180	.58	.73	.89	10.7	36,400	3450	.59	.75	.92	10.0	34,200	3780	.60	.77	.95
71°F (21.7°C)	470	1000	11.7	39,900	2930	.40	.54	.67	11.1	38,000	3150	.40	.55	.68	10.6	36,000	3430	.40	.56	.69	9.9	33,900	3760	.41	.57	.71
	540	1150	12.1	41,200	2970	.40	.56	.69	11.5	39,300	3200	.41	.56	.70	10.9	37,200	3480	.41	.57	.72	10.3	35,000	3830	.42	.59	.74
	615	1300	12.4	42,400	3000	.41	.57	.72	11.8	40,300	3240	.42	.58	.73	11.2	38,100	3530	.42	.59	.75	10.5	35,800	3890	.42	.60	.77

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

HS23-413 WITH C23-46(FC) OR C24-46FC/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.8	36,800	2850	.69	.83	.96	10.3	35,000	3050	.70	.85	.98	9.7	33,000	3300	.72	.88	1.00	9.1	30,900	3590	.74	.91	1.00
	540	1150	11.2	38,100	2890	.71	.86	1.00	10.6	36,100	3100	.73	.89	1.00	10.0	34,000	3350	.75	.92	1.00	9.3	31,900	3650	.77	.95	1.00
	615	1300	11.5	39,200	2920	.74	.89	1.00	10.9	37,100	3130	.76	.92	1.00	10.2	34,900	3390	.78	.95	1.00	9.6	32,700	3700	.81	.99	1.00
67°F (19.4°C)	470	1000	11.3	38,600	2910	.54	.68	.81	10.8	36,700	3120	.55	.69	.83	10.2	34,800	3380	.56	.71	.85	9.6	32,600	3700	.57	.73	.87
	540	1150	11.7	40,000	2950	.56	.70	.85	11.1	38,000	3170	.57	.72	.87	10.5	35,900	3440	.58	.74	.89	9.9	33,700	3770	.59	.76	.92
	615	1300	12.1	41,200	2980	.57	.72	.88	11.4	39,000	3210	.58	.74	.91	10.8	36,900	3490	.60	.76	.93	10.1	34,500	3830	.61	.79	.97
71°F (21.7°C)	470	1000	11.8	40,200	2960	.40	.55	.68	11.3	38,400	3180	.41	.55	.69	10.7	36,400	3460	.41	.56	.70	10.0	34,200	3810	.42	.58	.72
	540	1150	12.3	41,800	3000	.41	.56	.70	11.7	39,800	3240	.41	.57	.72	11.0	37,500	3530	.42	.58	.73	10.3	35,300	3880	.42	.60	.75
	615	1300	12.6	43,000	3030	.42	.57	.73	12.0	40,900	3280	.42	.58	.74	11.3	38,600	3580	.43	.60	.76	10.6	36,200	3940	.43	.61	.79

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

HS23-413 WITH CH22-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.6	36,300	2860	.71	.84	.97	10.1	34,600	3090	.72	.87	.99	9.6	32,700	3350	.73	.89	1.00	9.0	30,600	3680	.75	.92	1.00
	565	1200	11.1	37,800	2910	.74	.89	1.00	10.6	36,000	3140	.76	.91	1.00	10.0	34,000	3420	.78	.94	1.00	9.3	31,800	3770	.80	.98	1.00
	660	1400	11.4	39,000	2950	.78	.93	1.00	10.8	36,900	3190	.80	.96	1.00	10.3	35,000	3470	.82	.99	1.00	9.7	33,000	3850	.84	1.00	1.00
67°F (19.4°C)	470	1000	11.2	38,200	2920	.56	.70	.82	10.7	36,400	3160	.56	.71	.84	10.1	34,400	3450	.57	.73	.86	9.5	32,400	3800	.58	.75	.88
	565	1200	11.7	39,900	2970	.58	.73	.87	11.1	37,900	3220	.59	.74	.89	10.5	35,800	3520	.60	.77	.91	9.8	33,600	3890	.61	.79	.94
	660	1400	12.0	41,100	3010	.60	.76	.92	11.4	39,000	3260	.61	.78	.94	10.8	36,900	3570	.62	.80	.97	10.1	34,500	3950	.64	.83	1.00
71°F (21.7°C)	470	1000	11.7	40,000	2980	.42	.56	.69	11.2	38,100	3230	.42	.56	.71	10.6	36,100	3530	.42	.58	.72	9.9	33,900	3910	.43	.59	.74
	565	1200	12.3	41,800	3030	.43	.58	.73	11.6	39,700	3290	.43	.59	.74	11.0	37,700	3610	.43	.60	.76	10.3	35,200	4010	.44	.62	.78
	660	1400	12.6	43,000	3070	.44	.60	.76	12.0	40,900	3340	.44	.61	.78	11.3	38,600	3670	.44	.63	.80	10.6	36,200	4080	.45	.64	.82

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

RFC RATINGS — CANADA HS23-413 ONLY

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

HS23-413 WITH CR18-41 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	470	1000	10.3	35,100	2690	.71	.85	.96	9.8	33,400	2880	.73	.87	.98	9.3	31,600	3060	.75	.89	.99	8.7	29,700	3240	.77	.92	1.00
	540	1150	10.6	36,100	2720	.74	.88	.99	10.0	34,200	2910	.76	.91	1.00	9.5	32,400	3100	.78	.93	1.00	8.9	30,500	3290	.80	.96	1.00
	615	1300	10.8	36,800	2740	.77	.92	1.00	10.3	35,000	2940	.79	.94	1.00	9.7	33,100	3140	.81	.96	1.00	9.1	31,200	3330	.84	.99	1.00
67°F (19.4°C)	470	1000	11.0	37,600	2760	.56	.69	.81	10.5	35,700	2970	.57	.70	.83	9.9	33,800	3160	.58	.72	.85	9.3	31,700	3360	.59	.74	.88
	540	1150	11.3	38,400	2790	.58	.72	.85	10.7	36,500	3000	.59	.73	.87	10.1	34,400	3200	.60	.75	.90	9.5	32,300	3400	.61	.78	.93
	615	1300	11.5	39,100	2810	.59	.75	.89	10.9	37,100	3020	.60	.76	.91	10.3	35,000	3230	.62	.79	.94	9.6	32,800	3430	.63	.81	.96
71°F (21.7°C)	470	1000	11.8	40,200	2840	.42	.54	.66	11.2	38,200	3060	.43	.55	.67	10.6	36,200	3280	.43	.56	.69	10.0	34,000	3490	.43	.57	.71
	540	1150	12.0	41,000	2870	.43	.56	.69	11.4	39,000	3090	.43	.57	.71	10.8	36,800	3310	.44	.58	.73	10.1	34,600	3530	.44	.60	.75
	615	1300	12.2	41,700	2890	.43	.58	.72	11.6	39,600	3110	.44	.59	.74	11.0	37,400	3340	.44	.60	.76	10.3	35,000	3560	.45	.62	.79

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

HS23-413 WITH C22-41(FC)/B24 EVAPORATOR UNIT

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		
	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	11.1	37,900	2880	.69	.84	.97	10.5	35,900	3090	.71	.86	.99	9.9	33,800	3330	.72	.89	1.00	9.3	31,600	3620	.75	.92	1.00
	540	1150	11.5	39,100	2920	.72	.87	1.00	10.8	37,000	3130	.74	.90	1.00	10.2	34,800	3380	.76	.93	1.00	9.5	32,500	3690	.78	.97	1.00
	615	1300	11.7	40,000	2950	.75	.91	1.00	11.1	37,900	3160	.77	.94	1.00	10.4	35,600	3420	.79	.97	1.00	9.8	33,400	3740	.82	1.00	1.00
67°F (19.4°C)	470	1000	11.8	40,200	2950	.54	.68	.81	11.1	38,000	3170	.55	.69	.83	10.5	35,900	3440	.56	.71	.85	9.8	33,600	3760	.57	.73	.88
	540	1150	12.1	41,400	2980	.56	.71	.85	11.5	39,300	3210	.57	.72	.87	10.8	37,000	3490	.58	.74	.90	10.1	34,600	3830	.60	.77	.93
	615	1300	12.5	42,500	3020	.58	.73	.89	11.8	40,200	3250	.59	.75	.92	11.1	37,900	3530	.60	.77	.94	10.3	35,300	3880	.62	.80	.98
71°F (21.7°C)	470	1000	12.4	42,300	3010	.41	.54	.68	11.8	40,200	3250	.41	.55	.69	11.1	38,000	3540	.41	.56	.71	10.4	35,600	3890	.42	.58	.72
	540	1150	12.8	43,700	3050	.41	.56	.71	12.1	41,400	3300	.42	.57	.72	11.5	39,100	3590	.42	.58	.74	10.7	36,600	3960	.43	.60	.76
	615	1300	13.1	44,700	3080	.42	.58	.73	12.4	42,400	3330	.42	.59	.75	11.7	40,000	3640	.43	.60	.77	10.9	37,300	4010	.44	.62	.79

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

RFC RATINGS

HS23-461-463 WITH CH24-41 EVAPORATOR UNIT

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		
	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	11.3	38,400	3200	.64	.78	.90	10.8	37,000	3440	.65	.80	.92	10.3	35,300	3670	.67	.81	.94	9.8	33,600	3890	.68	.84	.96
	565	1200	11.8	40,400	3260	.68	.82	.96	11.3	38,700	3500	.69	.84	.98	10.8	36,900	3730	.70	.86	1.00	10.3	35,100	3960	.72	.88	1.00
	660	1400	12.3	41,800	3300	.71	.85	1.00	11.7	40,000	3550	.73	.87	1.00	11.2	38,200	3790	.74	.90	1.00	10.6	36,300	4020	.76	.92	1.00
67°F (19.4°C)	470	1000	11.8	40,400	3260	.51	.65	.76	11.4	38,800	3500	.51	.65	.77	10.9	37,100	3740	.52	.66	.79	10.4	35,400	3980	.53	.68	.81
	565	1200	12.4	42,400	3320	.53	.67	.81	11.9	40,700	3570	.53	.68	.82	11.4	39,000	3810	.54	.69	.84	10.9	37,200	4050	.55	.71	.86
	660	1400	12.9	43,900	3370	.55	.69	.85	12.4	42,200	3620	.56	.70	.87	11.8	40,300	3870	.56	.72	.89	11.3	38,400	4120	.57	.74	.92
71°F (21.7°C)	470	1000	12.4	42,300	3310	.38	.52	.63	11.9	40,600	3570	.38	.53	.64	11.4	38,900	3810	.38	.53	.65	10.9	37,200	4060	.39	.54	.66
	565	1200	13.0	44,300	3380	.39	.54	.67	12.5	42,600	3640	.39	.54	.68	12.0	40,800	3890	.39	.55	.69	11.4	39,000	4140	.40	.56	.70
	660	1400	13.5	45,900	3430	.40	.55	.70	12.9	44,100	3690	.40	.56	.71	12.4	42,300	3950	.40	.57	.72	11.8	40,300	4210	.41	.58	.74

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

HS23-461-463 WITH C23-41(FC), C23-41W(FC), C24-41FC/B24 OR C24-41WFC/B24 EVAPORATOR UNIT

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		
	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	11.8	40,200	3270	.67	.82	.94	11.3	38,500	3510	.68	.83	.96	10.8	36,700	3740	.69	.85	.98	10.2	34,900	3970	.71	.88	1.00
	685	1450	12.3	42,000	3320	.71	.86	1.00	11.8	40,300	3570	.72	.88	1.00	11.2	38,300	3810	.74	.91	1.00	10.7	36,400	4040	.75	.93	1.00
	800	1700	12.7	43,300	3360	.75	.90	1.00	12.2	41,500	3610	.76	.93	1.00	11.5	39,400	3860	.77	1.00	1.00	11.0	37,400	4080	.80	.98	1.00
67°F (19.4°C)	565	1200	12.4	42,200	3330	.53	.67	.79	11.9	40,500	3580	.53	.68	.80	11.4	38,800	3820	.54	.69	.82	10.8	36,900	4060	.55	.70	.84
	685	1450	12.9	44,100	3390	.55	.69	.84	12.4	42,300	3640	.56	.71	.86	11.9	40,500	3890	.57	.72	.88	11.3	38,500	4140	.58	.74	.90
	800	1700	13.3	45,500	3430	.57	.72	.90	12.8	43,600	3690	.58	.74	.92	12.2	41,700	3940	.59	.76	.94	11.6	39,700	4190	.60	.78	.96
71°F (21.7°C)	565	1200	12.9	44,100	3390	.40	.53	.66	12.4	42,400	3640	.40	.54	.67	11.9	40,600	3900	.40	.55	.68	11.4	38,800	4150	.41	.56	.69
	685	1450	13.5	46,100	3450	.41	.55	.69	13.0	44,300	3710	.41	.56	.71	12.4	42,400	3970	.41	.57	.72	11.8	40,400	4230	.42	.58	.73
	800	1700	13.9	47,500	3490	.42	.57	.73	13.4	45,600	3760	.42	.58	.75	12.8	43,700	4030	.42	.59	.76	12.2	41,600	4290	.43	.60	.78

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

RFC RATINGS

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

HS23-461-463 WITH CR18-41 EVAPORATOR UNIT

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		
	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	11.2	38,100	3150	.69	.81	.92	10.8	37,000	3400	.70	.82	.94	10.4	35,400	3620	.71	.84	.96	9.8	33,600	3820	.73	.86	.97
	590	1250	11.8	40,200	3230	.73	.86	.97	11.4	39,000	3480	.74	.88	.99	10.9	37,100	3700	.75	.90	1.00	10.4	35,400	3910	.77	.92	1.00
	710	1500	12.2	41,700	3270	.76	.91	1.00	11.9	40,500	3530	.78	.93	1.00	11.3	38,600	3760	.79	.95	1.00	10.7	36,600	3980	.81	.97	1.00
67°F (19.4°C)	470	1000	11.8	40,400	3230	.56	.67	.77	11.5	39,300	3490	.56	.68	.79	11.0	37,600	3710	.57	.69	.80	10.5	35,800	3930	.58	.70	.82
	590	1250	12.5	42,600	3300	.58	.70	.82	12.1	41,400	3570	.59	.71	.84	11.6	39,500	3800	.59	.73	.86	11.0	37,600	4020	.60	.74	.88
	710	1500	13.0	44,200	3360	.60	.74	.87	12.6	42,900	3630	.61	.75	.89	12.0	40,900	3860	.62	.77	.91	11.4	38,900	4090	.63	.79	.94
71°F (21.7°C)	470	1000	12.5	42,600	3300	.43	.54	.64	12.2	41,500	3570	.43	.54	.65	11.7	39,800	3810	.44	.55	.66	11.1	37,900	4040	.44	.56	.67
	590	1250	13.2	45,000	3380	.44	.56	.68	12.8	43,700	3660	.44	.57	.69	12.2	41,800	3900	.44	.58	.70	11.7	39,800	4140	.45	.59	.72
	710	1500	13.7	46,700	3440	.45	.58	.71	13.3	45,400	3720	.45	.59	.73	12.7	43,300	3970	.46	.60	.74	12.1	41,200	4210	.46	.61	.76

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

HS23-461-463 WITH C23-46(FC) OR C24-46FC/B24 EVAPORATOR UNIT

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		
	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	12.3	41,800	3300	.68	.83	.96	11.8	40,100	3530	.69	.85	.98	11.2	38,100	3780	.71	.87	1.00	10.6	36,300	4000	.72	.89	1.00
	685	1450	12.8	43,700	3360	.72	.88	1.00	12.3	41,800	3600	.73	.90	1.00	11.6	39,700	3840	.75	.93	1.00	11.0	37,700	4070	.77	.96	1.00
	800	1700	13.2	45,100	3400	.76	.93	1.00	12.6	43,100	3650	.78	.95	1.00	12.0	40,900	3890	.80	.98	1.00	11.3	38,700	4120	.82	1.00	1.00
67°F (19.4°C)	565	1200	12.9	43,900	3360	.54	.67	.81	12.3	42,100	3610	.54	.69	.82	11.8	40,200	3860	.55	.70	.84	11.2	38,300	4100	.56	.72	.86
	685	1450	13.5	45,900	3420	.56	.71	.86	12.9	44,000	3680	.57	.72	.88	12.4	42,200	3930	.58	.74	.90	11.7	39,900	4180	.59	.76	.92
	800	1700	13.9	47,400	3470	.58	.74	.91	13.3	45,400	3730	.59	.76	.94	12.7	43,300	3980	.60	.78	.96	12.0	41,100	4230	.61	.80	.98
71°F (21.7°C)	565	1200	13.4	45,800	3420	.40	.54	.67	12.9	44,000	3680	.41	.55	.68	12.3	42,100	3940	.41	.56	.69	11.8	40,200	4190	.41	.57	.70
	685	1450	14.0	47,900	3480	.41	.56	.71	13.5	46,000	3740	.42	.57	.72	12.9	44,000	4010	.42	.58	.73	12.3	42,100	4270	.42	.59	.75
	800	1700	14.5	49,400	3530	.42	.58	.75	13.9	47,400	3800	.43	.59	.76	13.3	45,300	4070	.43	.60	.78	12.7	43,200	4330	.43	.62	.79

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

HS23-461-463 WITH CH24-51 EVAPORATOR UNIT

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		
	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	12.3	42,000	3320	.68	.82	.95	11.8	40,300	3560	.69	.84	.97	11.3	38,500	3800	.70	.86	.99	10.7	36,600	4040	.71	.89	1.00
	685	1450	12.9	43,900	3370	.71	.87	1.00	12.3	42,100	3620	.73	.89	1.00	11.8	40,100	3870	.74	.92	1.00	11.2	38,200	4110	.76	.94	1.00
	800	1700	13.3	45,300	3420	.76	.91	1.00	12.7	43,400	3670	.77	.94	1.00	12.1	41,300	3920	.79	.96	1.00	11.5	39,300	4170	.81	.99	1.00
67°F (19.4°C)	565	1200	12.9	44,100	3380	.53	.67	.80	12.4	42,300	3640	.54	.68	.81	11.9	40,500	3890	.55	.70	.83	11.3	38,600	4140	.55	.71	.85
	685	1450	13.5	46,100	3440	.56	.70	.85	13.0	44,200	3700	.56	.71	.87	12.4	42,300	3960	.57	.73	.89	11.8	40,200	4210	.58	.75	.91
	800	1700	14.0	47,600	3490	.58	.73	.91	13.4	45,600	3750	.59	.75	.93	12.8	43,600	4010	.60	.77	.95	12.2	41,500	4270	.61	.79	.97
71°F (21.7°C)	565	1200	13.5	46,000	3440	.40	.54	.67	13.0	44,200	3700	.40	.54	.68	12.4	42,400	3960	.41	.55	.69	11.9	40,500	4220	.41	.56	.70
	685	1450	14.1	48,200	3500	.41	.56	.70	13.6	46,300	3770	.41	.57	.71	13.0	44,300	4040	.42	.57	.73	12.4	42,200	4300	.42	.59	.74
	800	1700	14.5	49,600	3550	.42	.58	.74	14.0	47,700	3820	.42	.59	.75	13.4	45,600	4100	.43	.60	.77	12.7	43,400	4360	.43	.61	.79

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

HS23-461-463 WITH CH22-41 EVAPORATOR UNIT

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		
	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	12.1	41,400	3290	.68	.82	.95	11.7	39,800	3530	.69	.84	.97	11.1	37,900	3770	.70	.86	.99	10.6	36,100	3990	.71	.88	1.00
	615	1300	12.7	43,200	3340	.71	.86	1.00	12.1	41,400	3590	.72	.88	1.00	11.6	39,500	3830	.74	.91	1.00	11.0	37,500	4060	.76	.94	1.00
	710	1500	13.0	44,500	3380	.75	.90	1.00	12.5	42,600	3630	.76	.93	1.00	11.9	40,600	3880	.78	.95	1.00	11.3	38,600	4110	.80	.98	1.00
67°F (19.4°C)	520	1100	12.7	43,500	3350	.53	.67	.80	12.3	41,800	3600	.54	.68	.81	11.7	39,900	3850	.55	.69	.83	11.1	38,000	4090	.55	.71	.85
	615	1300	13.3	45,400	3410	.55	.70	.85	12.7	43,500	3660	.56	.71	.86	12.2	41,500	3910	.57	.73	.88	11.6	39,600	4160	.58	.75	.90
	710	1500	13.7	46,800	3450	.57	.73	.89	13.2	44,900	3710	.58	.74	.91	12.6	42,900	3970	.59	.76	.93	12.0	40,800	4220	.60	.78	.96
71°F (21.7°C)	520	1100	13.3	45,400	3410	.40	.54	.67	12.8	43,600	3660	.40	.54	.68	12.3	41,800	3920	.40	.55	.69	11.7	39,900	4180	.41	.56	.70
	615	1300	13.9	47,400	3470	.41	.55	.70	13.4	45,600	3730	.41	.56	.71	12.8	43,600	3990	.41	.57	.72	12.1	41,400	4250	.42	.58	.74
	710	1500	14.3	48,900	3510	.41	.57	.73	13.8	47,000	3780	.42	.58	.74	13.2	44,900	4050	.42	.59	.76	12.5	42,800	4310	.43	.61	.77

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

RFC RATINGS

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

HS23-461-463 WITH C22-41(FC)/B24 EVAPORATOR UNIT

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		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	565	1200	12.4	42,400	3320	.69	.84	.97	11.9	40,500	3570	.70	.86	.99	11.3	38,600	3810	.72	.88	1.00	10.7	36,500	4030	.73	.91	1.00
	685	1450	12.9	44,100	3380	.73	.89	1.00	12.3	42,000	3630	.75	.92	1.00	11.7	40,000	3870	.76	.95	1.00	11.1	37,900	4100	.78	.97	1.00
	800	1700	13.3	45,500	3420	.77	.95	1.00	12.7	43,300	3670	.79	.97	1.00	12.1	41,200	3910	.81	.99	1.00	11.5	39,200	4160	.83	1.00	1.00
67°F (19.4°C)	565	1200	13.1	44,800	3400	.54	.68	.81	12.6	42,900	3650	.55	.69	.83	12.0	41,000	3900	.56	.70	.85	11.4	38,900	4150	.57	.72	.87
	685	1450	13.7	46,600	3460	.57	.71	.87	13.1	44,600	3710	.58	.73	.89	12.5	42,600	3970	.58	.75	.91	11.8	40,400	4220	.59	.77	.93
	800	1700	14.1	48,000	3500	.59	.75	.93	13.5	45,900	3760	.60	.77	.95	12.8	43,700	4020	.61	.79	.97	12.2	41,500	4270	.62	.82	1.00
71°F (21.7°C)	565	1200	13.8	47,100	3480	.41	.54	.68	13.2	45,200	3740	.41	.55	.69	12.7	43,200	4000	.41	.56	.70	12.1	41,200	4260	.42	.57	.71
	685	1450	14.4	49,200	3530	.42	.56	.71	13.8	47,100	3800	.42	.57	.73	13.1	44,800	4070	.42	.58	.74	12.5	42,700	4330	.43	.60	.76
	800	1700	14.8	50,500	3580	.43	.59	.75	14.2	48,300	3850	.43	.60	.77	13.5	46,000	4120	.43	.61	.79	12.8	43,800	4380	.44	.62	.80

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

HS23-461-463 WITH C23-51(FC) OR C24-51FC/B24 EVAPORATOR UNIT

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		
	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	12.5	42,600	3330	.68	.82	.95	12.0	40,800	3580	.69	.84	.97	11.4	39,000	3820	.70	.86	.99	10.8	37,000	4060	.71	.88	1.00
	685	1450	13.0	44,500	3390	.71	.87	1.00	12.5	42,600	3640	.73	.89	1.00	11.9	40,600	3890	.74	.91	1.00	11.3	38,700	4130	.76	.94	1.00
	800	1700	13.5	45,900	3440	.75	.92	1.00	12.9	44,000	3690	.77	.94	1.00	12.3	41,900	3940	.79	.96	1.00	11.7	39,800	4190	.81	.99	1.00
67°F (19.4°C)	565	1200	13.1	44,600	3400	.53	.67	.80	12.5	42,800	3650	.54	.68	.81	12.0	40,900	3910	.55	.69	.83	11.4	39,000	4150	.55	.71	.85
	685	1450	13.7	46,800	3460	.56	.70	.85	13.2	44,900	3720	.56	.71	.87	12.5	42,800	3980	.57	.73	.89	12.0	40,900	4230	.58	.75	.91
	800	1700	14.2	48,300	3510	.58	.73	.90	13.6	46,300	3770	.59	.75	.92	13.0	44,200	4040	.60	.77	.95	12.3	41,900	4290	.61	.79	.97
71°F (21.7°C)	565	1200	13.7	46,600	3460	.40	.54	.67	13.1	44,800	3720	.40	.55	.68	12.5	42,800	3980	.41	.55	.69	12.0	40,800	4240	.41	.56	.70
	685	1450	14.3	48,800	3520	.41	.56	.70	13.7	46,900	3790	.41	.56	.71	13.1	44,800	4060	.41	.57	.73	12.5	42,700	4330	.42	.59	.74
	800	1700	14.8	50,400	3580	.42	.57	.74	14.2	48,400	3850	.42	.58	.75	13.5	46,200	4120	.42	.60	.77	12.9	44,000	4390	.43	.61	.79

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

HS23-511-513 WITH C23-46(FC) EVAPORATOR UNIT

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		
	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	12.4	42,300	3100	.75	.89	.99	11.8	40,300	3330	.77	.91	1.00	11.2	38,300	3570	.79	.94	1.00	10.6	36,200	3790	.81	.96	1.00
	755	1600	12.7	43,300	3130	.78	.93	1.00	12.1	41,300	3370	.80	.95	1.00	11.5	39,200	3600	.82	.97	1.00	10.9	37,100	3840	.85	.99	1.00
	850	1800	12.9	44,100	3150	.81	.96	1.00	12.3	42,100	3400	.83	.98	1.00	11.7	40,100	3640	.86	.99	1.00	11.2	38,100	3890	.88	1.00	1.00
67°F (19.4°C)	660	1400	13.2	45,000	3180	.58	.72	.86	12.6	42,900	3420	.59	.74	.88	11.9	40,600	3660	.60	.76	.91	11.2	38,300	3900	.62	.78	.93
	755	1600	13.4	45,800	3200	.60	.76	.90	12.8	43,600	3450	.61	.78	.92	12.1	41,300	3690	.62	.80	.94	11.4	39,000	3930	.64	.82	.97
	850	1800	13.6	46,500	3220	.62	.79	.94	13.0	44,200	3470	.63	.81	.96	12.3	41,900	3720	.65	.83	.98	11.6	39,500	3950	.66	.86	.99
71°F (21.7°C)	660	1400	14.1	48,100	3260	.43	.56	.70	13.4	45,900	3530	.43	.57	.72	12.8	43,500	3780	.44	.59	.73	12.0	41,100	4030	.44	.60	.76
	755	1600	14.3	48,900	3290	.44	.59	.73	13.7	46,600	3550	.44	.60	.75	13.0	44,200	3810	.45	.61	.77	12.2	41,700	4060	.45	.63	.80
	850	1800	14.5	49,500	3300	.44	.61	.77	13.8	47,200	3570	.45	.62	.79	13.1	44,700	3830	.46	.63	.81	12.4	42,200	4080	.46	.65	.84

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

HS23-511-513 WITH C23-51(FC) OR C24-51FC/B24 EVAPORATOR UNIT

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		
	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	14.9	50,900	3980	.67	.81	.94	14.2	48,400	4270	.68	.83	.97	13.4	45,800	4550	.69	.86	.99	12.6	43,000	4800	.71	.89	1.00
	755	1600	15.4	52,500	4030	.69	.84	.99	14.7	50,000	4330	.71	.87	1.00	13.8	47,200	4610	.72	.89	1.00	13.0	44,300	4860	.75	.93	1.00
	850	1800	15.8	54,000	4070	.72	.87	1.00	15.0	51,100	4370	.74	.90	1.00	14.2	48,300	4650	.76	.93	1.00	13.3	45,300	4910	.78	.96	1.00
67°F (19.4°C)	660	1400	15.7	53,500	4050	.52	.66	.79	14.9	50,900	4360	.53	.67	.81	14.1	48,200	4650	.54	.69	.83	13.3	45,400	4920	.55	.71	.85
	755	1600	16.2	55,300	4100	.54	.68	.83	15.4	52,600	4420	.55	.69	.85	14.6	49,800	4710	.56	.71	.87	13.7	46,800	4990	.57	.73	.90
	850	1800	16.6	56,800	4140	.55	.70	.86	15.8	54,000	4460	.56	.71	.89	14.9	51,000	4760	.57	.74	.91	14.0	47,900	5040	.59	.76	.94
71°F (21.7°C)	660	1400	16.4	55,900	4120	.39	.53	.65	15.6	53,300	4440	.39	.54	.67	14.8	50,500	4740	.40	.55	.68	13.9	47,500	5030	.40	.56	.69
	755	1600	16.9	57,800	4170	.40	.54	.68	16.1	55,100	4500	.40	.55	.69	15.3	52,100	4810	.40	.56	.71	14.4	49,100	5100	.41	.57	.73
	850	1800	17.4	59,400	4210	.40	.55	.70	16.6	56,500	4540	.41	.56	.72	15.7	53,500	4860	.41	.57	.74	14.7	50,300	5160	.42	.59	.76

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

RFC RATINGS

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

HS23-511-513 WITH CH24-51 EVAPORATOR UNIT

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		
	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	13.8	47,200	3900	.64	.78	.90	13.2	45,000	4190	.65	.80	.92	12.5	42,600	4450	.67	.82	.95	11.8	40,100	4700	.68	.85	.98
	685	1450	14.6	49,700	3970	.68	.82	.97	13.8	47,200	4270	.69	.84	.99	13.1	44,700	4540	.71	.87	1.00	12.3	42,000	4790	.73	.90	1.00
	800	1700	15.1	51,500	4030	.71	.86	1.00	14.3	48,900	4330	.73	.88	1.00	13.5	46,200	4610	.75	.91	1.00	12.7	43,500	4860	.77	.95	1.00
67°F (19.4°C)	565	1200	14.5	49,600	3970	.51	.64	.76	13.9	47,300	4270	.51	.65	.77	13.2	44,900	4550	.52	.67	.79	12.4	42,300	4810	.53	.68	.81
	685	1450	15.3	52,200	4040	.53	.66	.81	14.6	49,800	4350	.53	.68	.83	13.8	47,100	4640	.54	.69	.85	13.0	44,400	4910	.55	.72	.87
	800	1700	15.9	54,200	4100	.55	.69	.86	15.1	51,500	4410	.56	.71	.88	14.3	48,700	4710	.57	.73	.90	13.5	45,900	4990	.58	.75	.94
71°F (21.7°C)	565	1200	15.2	51,900	4040	.38	.52	.63	14.5	49,500	4340	.38	.52	.64	13.8	47,000	4640	.39	.53	.65	13.0	44,400	4910	.39	.54	.67
	685	1450	16.0	54,600	4110	.39	.53	.66	15.2	52,000	4430	.39	.54	.68	14.5	49,400	4740	.39	.55	.69	13.6	46,500	5020	.40	.56	.71
	800	1700	16.6	56,500	4170	.40	.55	.70	15.8	53,900	4490	.40	.56	.71	15.0	51,100	4810	.40	.57	.73	14.1	48,100	5100	.41	.58	.75

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

HS23-511-513 WITH CH24-65 EVAPORATOR UNIT

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		
	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)	615	1300	14.2	48,300	3980	.67	.81	.94	13.5	45,900	4280	.68	.83	.96	12.7	43,500	4550	.69	.85	.99	12.0	40,800	4810	.71	.89	1.00
	730	1550	14.8	50,600	4050	.70	.85	1.00	14.1	48,000	4350	.71	.88	1.00	13.3	45,300	4640	.73	.91	1.00	12.5	42,500	4900	.76	.94	1.00
	850	1800	15.3	52,200	4100	.74	.90	1.00	14.5	49,500	4410	.75	.93	1.00	13.7	46,800	4700	.78	.96	1.00	12.9	43,900	4970	.80	.99	1.00
67°F (19.4°C)	615	1300	14.9	50,700	4060	.53	.66	.79	14.2	48,300	4360	.53	.67	.81	13.4	45,700	4660	.54	.69	.83	12.6	43,100	4930	.55	.71	.85
	730	1550	15.6	53,200	4120	.55	.69	.84	14.8	50,500	4440	.55	.70	.86	14.0	47,800	4740	.56	.72	.88	13.1	44,800	5020	.58	.75	.91
	850	1800	16.1	55,000	4180	.57	.71	.89	15.3	52,300	4500	.58	.73	.91	14.5	49,400	4810	.59	.76	.94	13.6	46,300	5090	.60	.78	.97
71°F (21.7°C)	615	1300	15.5	53,000	4120	.39	.53	.66	14.8	50,500	4440	.40	.54	.67	14.0	47,800	4750	.40	.55	.68	13.2	45,100	5030	.40	.56	.70
	730	1550	16.3	55,600	4190	.40	.55	.69	15.5	52,900	4520	.41	.55	.70	14.7	50,100	4840	.41	.57	.72	13.9	47,300	5130	.41	.58	.73
	850	1800	16.9	57,500	4250	.41	.56	.72	16.0	54,700	4580	.41	.57	.74	15.2	51,700	4910	.42	.59	.76	14.2	48,600	5220	.42	.60	.78

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

HS23-511-513 WITH C23-51/65(FC) OR C24-65FC/B24 EVAPORATOR UNIT

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		
	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	15.1	51,600	4000	.67	.82	.95	14.4	49,000	4300	.68	.84	.98	13.6	46,400	4570	.70	.86	1.00	12.7	43,500	4820	.72	.90	1.00
	755	1600	15.6	53,400	4050	.70	.85	1.00	14.9	50,700	4350	.71	.88	1.00	14.0	47,800	4630	.73	.91	1.00	13.2	45,000	4890	.75	.94	1.00
	850	1800	16.1	54,800	4090	.73	.88	1.00	15.2	52,000	4390	.74	.91	1.00	14.4	49,000	4680	.76	.94	1.00	13.4	45,800	4940	.79	.98	1.00
67°F (19.4°C)	660	1400	15.9	54,300	4070	.53	.66	.80	15.2	51,700	4380	.54	.68	.81	14.3	48,900	4680	.54	.69	.84	13.5	46,000	4950	.55	.71	.86
	755	1600	16.5	56,200	4130	.54	.68	.83	15.6	53,400	4440	.55	.70	.85	14.8	50,500	4740	.56	.72	.88	13.9	47,400	5020	.57	.74	.91
	850	1800	16.9	57,700	4170	.56	.70	.87	16.1	54,800	4490	.57	.72	.89	15.2	51,800	4790	.58	.74	.92	14.2	48,600	5080	.59	.77	.95
71°F (21.7°C)	660	1400	16.6	56,800	4140	.39	.53	.66	15.8	54,000	4460	.40	.54	.67	15.0	51,200	4770	.40	.55	.69	14.2	48,300	5060	.40	.56	.70
	755	1600	17.2	58,700	4190	.40	.54	.68	16.4	55,900	4520	.40	.55	.70	15.5	52,900	4840	.41	.56	.71	14.6	49,800	5140	.41	.58	.73
	850	1800	17.7	60,400	4240	.41	.56	.71	16.8	57,400	4570	.41	.57	.73	15.9	54,300	4890	.41	.58	.74	14.9	51,000	5200	.42	.60	.77

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

HS23-511-513 WITH CR18-51 EVAPORATOR UNIT

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		
	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	46,300	3940	.72	.85	.96	13.3	45,400	4260	.73	.87	.98	12.6	43,000	4520	.75	.89	.99	11.8	40,300	4740	.77	.91	1.00
	800	1700	14.2	48,300	4000	.75	.90	1.00	13.9	47,600	4330	.77	.92	1.00	13.2	44,900	4600	.79	.94	1.00	12.3	42,100	4840	.81	.96	1.00
	945	2000	14.7	50,000	4040	.79	.94	1.00	14.4	49,200	4390	.81	.96	1.00	13.6	46,400	4670	.83	.98	1.00	12.8	43,700	4920	.85	1.00	1.00
67°F (19.4°C)	660	1400	14.5	49,400	4030	.57	.69	.81	14.2	48,400	4360	.58	.71	.83	13.4	45,700	4640	.59	.72	.85	12.6	42,900	4880	.60	.74	.88
	800	1700	15.1	51,400	4090	.59	.73	.86	14.8	50,400	4440	.60	.74	.88	13.9	47,500	4720	.62	.76	.91	13.0	44,500	4970	.63	.79	.93
	945	2000	15.5	53,000	4130	.61	.76	.90	15.2	51,900	4490	.63	.78	.93	14.3	48,900	4780	.64	.80	.95	13.4	45,700	5040	.65	.83	.97
71°F (21.7°C)	660	1400	15.4	52,400	4110	.44	.55	.67	15.0	51,100	4460	.44	.56	.68	14.2	48,300	4750	.44	.57	.70	13.3	45,400	5020	.45	.59	.72
	800	1700	16.0	54,600	4180	.45	.58	.70	15.6	53,300	4540	.45	.59	.72	14.7	50,300	4840	.45	.60	.74	13.8	47,200	5110	.46	.61	.76
	945	2000	16.4	56,100	4230	.45	.60	.74	16.1	54,900	4590	.46	.61	.76	15.2	51,800	4900	.47	.63	.78	14.2	48,500	5180	.47	.64	.80

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

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

HS23-651-653 WITH C23-51/65(FC) OR C24-65FC/B24 EVAPORATOR UNIT

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		
	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)	800	1700	17.7	60,400	4880	.67	.81	.92	17.0	58,100	5230	.68	.82	.94	16.4	55,800	5570	.69	.84	.96	15.6	53,400	5900	.70	.85	.98
	945	2000	18.4	62,800	4970	.70	.84	.98	17.7	60,500	5320	.71	.86	1.00	17.0	58,000	5670	.72	.88	1.00	16.3	55,600	6000	.74	.90	1.00
	1085	2300	19.0	64,700	5030	.73	.88	1.00	18.3	62,400	5390	.75	.89	1.00	17.5	59,800	5740	.76	.91	1.00	16.8	57,200	6080	.77	.94	1.00
67°F (19.4°C)	800	1700	18.5	63,200	4980	.53	.67	.79	17.9	61,100	5340	.53	.68	.80	17.2	58,800	5700	.54	.69	.81	16.5	56,300	6040	.55	.70	.83
	945	2000	19.3	65,900	5070	.55	.69	.83	18.7	63,800	5430	.55	.70	.84	17.9	61,100	5800	.56	.71	.86	17.1	58,300	6100	.57	.73	.88
	1085	2300	20.0	68,100	5140	.57	.71	.87	19.2	65,600	5510	.57	.73	.89	18.3	62,500	5770	.58	.74	.91	17.3	58,900	5970	.59	.76	.93
71°F (21.7°C)	800	1700	19.3	66,000	5070	.39	.54	.66	18.7	63,900	5440	.40	.54	.67	18.0	61,500	5810	.40	.55	.68	17.2	58,600	6080	.40	.56	.69
	945	2000	20.2	68,800	5160	.40	.55	.69	19.5	66,400	5500	.40	.56	.70	18.4	62,900	5700	.41	.57	.71	17.4	59,300	5900	.41	.58	.73
	1085	2300	20.5	70,100	5090	.41	.57	.72	19.6	66,800	5330	.41	.58	.74	18.6	63,600	5570	.42	.59	.75	17.6	59,900	5780	.42	.60	.77

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

HS23-651-653 WITH CH24-65 EVAPORATOR UNIT

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		
	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)	615	1300	17.0	57,900	4760	.64	.77	.88	16.4	55,900	5100	.65	.78	.90	15.8	53,900	5430	.66	.79	.91	15.2	51,700	5740	.67	.81	.93
	730	1550	17.8	60,900	4860	.67	.80	.94	17.3	59,100	5200	.68	.81	.95	16.6	56,700	5540	.69	.83	.97	15.9	54,400	5870	.70	.84	.99
	850	1800	18.6	63,400	4940	.70	.83	.99	17.9	61,200	5290	.71	.85	1.00	17.3	59,000	5640	.72	.86	1.00	16.6	56,500	5970	.74	.88	1.00
67°F (19.4°C)	615	1300	17.8	60,600	4850	.50	.64	.75	17.2	58,800	5190	.51	.65	.76	16.6	56,700	5540	.51	.66	.77	15.9	54,300	5870	.52	.66	.79
	730	1550	18.8	64,100	4950	.52	.66	.79	18.2	62,000	5310	.53	.67	.80	17.5	59,600	5660	.53	.68	.82	16.8	57,300	6000	.54	.69	.83
	850	1800	19.5	66,500	5040	.54	.68	.83	18.9	64,600	5400	.55	.69	.84	18.1	61,900	5770	.55	.70	.86	17.4	59,400	6110	.56	.72	.88
71°F (21.7°C)	615	1300	18.6	63,300	4930	.38	.52	.63	18.0	61,300	5290	.38	.52	.64	17.3	59,100	5650	.38	.53	.65	16.6	56,800	5990	.38	.53	.66
	730	1550	19.6	66,900	5040	.38	.53	.66	18.9	64,500	5410	.39	.54	.67	18.3	62,300	5780	.39	.55	.68	17.6	59,900	6130	.39	.55	.69
	850	1800	20.4	69,600	5130	.39	.55	.69	19.8	67,400	5510	.39	.55	.70	18.9	64,400	5780	.40	.56	.71	17.8	60,800	5960	.40	.57	.73

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

HS23-651-653 WITH CR18-65 EVAPORATOR UNIT

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		
	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)	800	1700	17.5	59,800	4740	.72	.84	.95	17.1	58,400	5230	.73	.86	.97	16.4	55,900	5570	.74	.88	.98	15.6	53,100	5900	.75	.90	1.00
	945	2000	18.2	62,000	4810	.74	.88	.99	17.8	60,600	5300	.76	.90	1.00	17.0	57,900	5660	.77	.92	1.00	16.1	55,100	6000	.79	.94	1.00
	1085	2300	18.7	63,800	4870	.77	.92	1.00	18.3	62,400	5370	.79	.94	1.00	17.5	59,700	5730	.80	.95	1.00	16.6	56,600	6070	.82	.97	1.00
67°F (19.4°C)	800	1700	18.5	63,300	4850	.57	.69	.81	18.2	62,000	5350	.58	.70	.82	17.3	59,200	5710	.58	.71	.84	16.5	56,400	6060	.59	.73	.86
	945	2000	19.2	65,600	4930	.59	.72	.85	18.8	64,200	5430	.60	.73	.87	18.0	61,300	5800	.60	.75	.89	17.1	58,300	6150	.61	.76	.90
	1085	2300	19.7	67,400	4980	.61	.75	.89	19.3	65,900	5490	.61	.76	.90	18.4	62,800	5860	.62	.78	.92	17.5	59,700	6230	.64	.80	.94
71°F (21.7°C)	800	1700	19.5	66,700	4960	.44	.55	.66	19.2	65,400	5480	.44	.56	.68	18.3	62,600	5850	.44	.57	.69	17.5	59,600	6220	.45	.58	.70
	945	2000	20.2	69,000	5040	.44	.57	.70	19.8	67,600	5560	.45	.58	.71	19.0	64,700	5940	.45	.59	.72	18.0	61,600	6320	.45	.60	.74
	1085	2300	20.8	70,900	5090	.45	.59	.72	20.3	69,400	5620	.45	.60	.74	19.4	66,300	6010	.46	.61	.75	18.5	63,200	6390	.46	.62	.77

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