

HS24 SERIES CONDENSING UNITS EXPANSION VALVE SYSTEMS

HS24

Bulletin No. 480184
February 1992

10.10 to 12.05 SEER

12,800 to 65,500 Btuh Cooling Capacity
(1 thru 5 Nominal Tons)



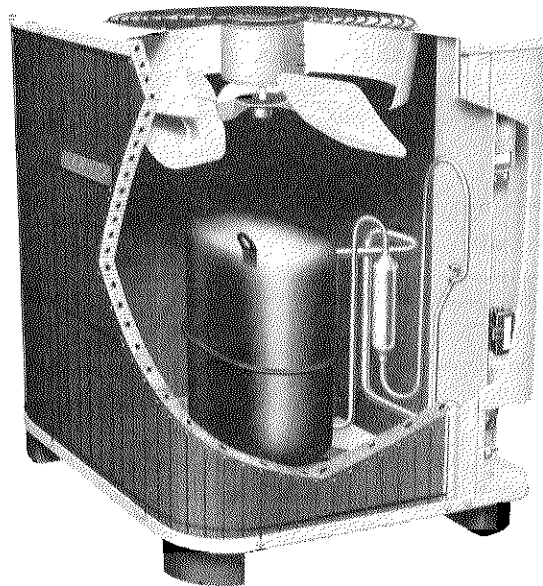
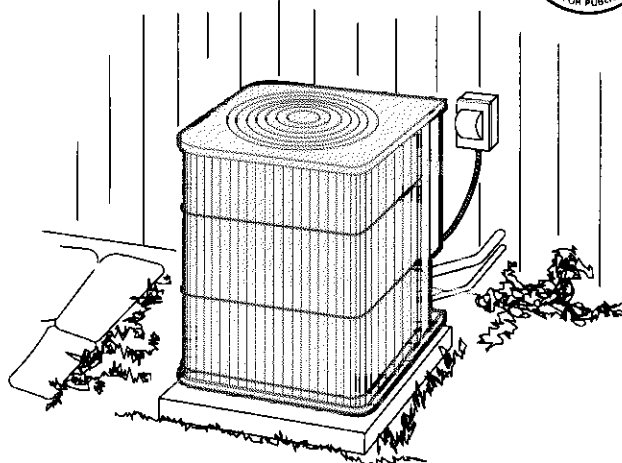
CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI



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



Typical Application



FEATURES

Application — HS24 series 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 expansion valve systems 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.

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. and N.E.C. Units are also U.L. listed.

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

Copper Tube/Enhanced Fin 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 (polyvinyl chloride) coated steel wire condenser coil guard is furnished as standard.

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.

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

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. Refrigerant cooled and overload protected. HS24-141 is equipped with a rotary compressor. HS24-141, -510 and HS24-650 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.

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 (polyvinyl chloride) coated steel wire fan guard is furnished as standard.

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 HS24-211 thru HS24-460 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. HS24-141, -510 and HS24-650 model compressors are equipped with crankcase heaters furnished as standard.

Timed-Off Control (Optional) — Timed-Off Control LB-50709BA (32F21) is available for field installation. 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 time delay between compressor shutoff and start-up.

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.

Expansion Valve Kits (Optional) — Must be ordered extra for field installation on the matching evaporator units. See ARI Ratings table.

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", shipping weight 15 lbs. each.

Start Kits (Optional) — Field installed start kits are available for HS24-141 thru HS24-411 (1 phase) model units. Kits must be ordered extra. See Master Price List Card PL1 in Repair Parts for requirements.

Low Ambient Kit (Optional) — Condensing units will operate satisfactorily down to 45°F outdoor air temperature without any additional controls. For cases where operation of the unit is required at low ambient, a Low Ambient Control Kit LB-57113BC (24H77) can be added in the field, enabling unit to operate properly down to 0°F.

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

SPECIFICATIONS

Model No.			HS24-141	HS24-211	HS24-261	HS24-311
Condenser Coil	Net face area (sq. ft.)	Outer coil	12.60	12.60	12.60	14.70
		Inner coil	----	----	----	----
	Tube diameter (in.) & no. of rows		3/8 — 1	3/8 — 1	3/8 — 1	3/8 — 1
	Fins per inch		20	20	20	20
Condenser Fan	Diameter (in.) & no. of blades		20 — 3	20 — 3	20 — 3	20 — 3
	Motor hp		1/6	1/6	1/6	1/6
	Cfm		2500	2500	2500	2700
	Rpm		850	850	850	850
	Watts		200	200	200	205
*Refrigerant — 22 charge furnished			4 lbs. 5 oz.	4 lbs. 14 oz.	5 lbs. 7 oz.	5 lbs. 12 oz.
Liquid line (o.d. in.) connection (sweat)			**1/4	***5/16	***5/16	3/8
Suction line (o.d. in.) connection (sweat)			1/2	5/8	5/8	3/4
Shipping weight (lbs.) 1 package			121	153	154	168

*Refrigerant charge sufficient for 20 ft. length of refrigerant lines.

**With furnished 3/8" x 1/4" reducer adaptor.

***With furnished 3/8" x 5/16" reducer adaptor

SPECIFICATIONS

Model No.			HS24-411 HS24-413	HS24-461 HS24-463	HS24-511 HS24-513	HS24-651 HS24-653
Condenser Coil	Net face area (sq. ft.)	Outer coil	14.70	14.70	20.00	20.00
		Inner coil	-----	9.80	-----	15.40
	Tube diameter (in.) & no. of rows		3/8 — 1	3/8 — 1.67	3/8 — 1	3/8 — 1.77
	Fins per inch		20	20	20	20
Condenser Fan	Diameter (in.) & no. of blades		20 — 3	20 — 3	24 — 4	24 — 4
	Motor hp		1/6	1/6	1/4	1/4
	Cfm		2700	2450	3900	4000
	Rpm		840	840	835	830
	Watts		205	210	340	355
*Refrigerant — 22 charge furnished			5 lbs. 15 oz.	9 lbs. 6 oz.	9 lbs. 0 oz.	11 lbs. 5 oz.
Liquid line (o.d. in.) connection (sweat)			3/8	3/8	3/8	3/8
Suction line (o.d. in.) connection (sweat)			3/4	7/8	7/8	1-1/8
Shipping weight (lbs.) 1 package			182	223	238	271

*Refrigerant charge sufficient for 20 ft. length of refrigerant lines.

ARI RATINGS

Condensing Unit Model No. *ARI Standard 270 SRN (bels)	•ARI Standard 210/240 Ratings				Evaporator Unit			***Expansion Valve Kit
	SEER (Btuh/ Watts)	EER (Btuh/ Watts)	Cooling Capacity (Btuh)	Total Unit Watts	Up-Flo	Down-Flo	Horizontal	
HS24-141 (7.4)	11.15	10.50	12,800	1230	**CB18-21	----	**CBS18-21	LB-25778CH (66F08)
	11.05	10.50	12,900	1230	C16-21FF/FC	CR16-21FF	----	
	11.25	10.60	13,100	1235	----	----	CH16-21FF	
	12.05	11.50	13,900	1210	**CB19-21	**CB19-21	**CBH19-21	
HS24-211 (7.6)	10.30	9.85	18,600	1890	C16-21FF/FC	CR16-21FF	----	LB-25778CG (57C98)
	10.65	10.15	19,000	1870	**CB18-21	----	**CBS18-21	
	10.50	10.05	19,000	1895	----	----	CH16-21FF	
	10.90	10.40	19,900	1915	C16-28FF/FC C16-28WFF/FC	----	----	
	11.00	10.45	20,000	1915	C14-26FF/FC	----	----	
	11.15	10.55	20,000	1890	**CB18-26	----	**CBS18-26	
	12.00	11.40	20,800	1825	**CB19-21	**CB19-21	**CBH19-21	
HS24-261 (7.6)	10.25	9.35	23,600	2520	**CB18-26	----	**CBS18-26	LB-25778CG (57C98)
	10.15	9.50	23,800	2505	C16-31FF/FC C16-31WFF/FC	CR16-31FF	CH16-31FF	
	10.25	9.50	24,000	2520	C16-28FF/FC C16-28WFF/FC	----	----	
	11.10	10.35	24,200	2335	**CB19-21	**CB19-21	**CBH19-21	
	10.40	9.65	24,400	2530	C14-26FF/FC	----	----	
	11.05	10.20	24,800	2425	**CB19-26	**CB19-26	**CBH19-26	
HS24-311 (7.6)	10.20	9.35	28,600	3050	C16-31FF/FC C16-31WFF/FC	CR16-31FF	----	LB-25778CE (83A67)
	10.30	9.45	29,000	3065	C16-28FF/FC C16-28WFF/FC	----	----	
	10.35	9.50	29,200	3070	----	----	CH16-31FF	
	10.40	9.55	29,400	3075	C16-41FF/FC C16-41WFF/FC	CR16-41FF	----	
	10.50	9.60	29,400	3060	**CB18-31	----	**CBS18-31	
	10.50	9.60	29,600	3080	C14-26FF/FC	----	----	
	10.65	9.75	30,000	3075	**CB18-41	----	**CBS18-41	
	10.70	9.80	30,400	3105	----	----	CH16-41FF	
	11.15	10.15	30,600	3015	**CB19-31 **CB19-41	**CB19-31 **CB19-41	**CBH19-31 **CBH19-41	
	11.00	9.90	31,000	3125	C14-41FF/FC	----	----	
HS24-411 HS24-413 (7.8)	10.65	9.60	36,000	3740	C16-41FF/FC C16-41WFF/FC	CR16-41FF	----	LB-25778CF (83A68)
	10.70	9.65	36,200	3750	**CB18-41	----	**CBS18-41	
	10.75	9.70	36,400	3760	C16-46FF/FC C16-46WFF/FC	----	----	
	10.80	9.75	36,800	3770	C16-51FF/FC	CR16-51FF	----	
	10.85	9.80	37,000	3780	----	----	CH16-41FF	
	11.00	9.90	37,800	3810	**CB18-51	----	**CBS18-51	
	11.35	10.15	38,000	3740	**CB19-41	**CB19-41	**CBH19-41	
	11.15	10.05	38,500	3835	C14-41FF/FC	----	----	
	11.60	10.40	39,500	3790	**CB19-51	**CB19-51	**CBH19-51	

• Rated in accordance with ARI Standard 210/240 and DOE; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 20 ft. of connecting refrigerant lines.

* Sound Rating Number in accordance with ARI Standard 270.

** Blower powered evaporator.

*** Kit is optional and must be ordered extra.

NOTE — Shaded area denotes most popular evaporator coil.

ARI RATINGS

Condensing Unit Model No. *ARI Standard 270 SRN (bels)	•ARI Standard 210/240 Ratings				Evaporator Unit			***Expansion Valve Kit
	SEER (Btuh/ Watts)	EER (Btuh/ Watts)	Cooling Capacity (Btuh)	Total Unit Watts	Up-Flo	Down-Flo	Horizontal	
HS24-461 HS24-463 (7.8)	10.10	9.40	41,500	4410	C16-41FF/FC C16-41WFF/FC	CR16-41FF	----	LB-25778CF (83A68)
	10.25	9.55	41,500	4345	**CB18-41	----	**CBS18-41	
	10.20	9.45	42,000	4435	C16-46FF/FC C16-46WFF/FC	----	----	
	10.30	9.55	42,500	4455	----	----	CH16-41FF	
	10.30	9.55	42,500	4450	C16-51FF/FC	CR16-51FF	----	
	10.85	10.00	42,500	4255	**CB19-41	**CB19-41	**CBH19-41	
	10.55	9.75	43,000	4415	**CB18-51	----	**CBS18-51	
	10.55	9.75	44,000	4515	C14-41FF/FC	----	----	
	11.15	10.30	44,500	4320	**CB19-51	**CB19-51	**CBH19-51	
HS24-511 HS24-513 (8.0)	10.20	9.00	48,500	5405	C16-51FF/FC	CR16-51FF	----	LB-53081CC (11G83)
	10.30	9.00	49,000	5430	C16-65, C16-65FC	CR16-65	----	
	10.35	9.10	49,500	5440	**CB18-51	----	**CBS18-51	
	10.10	9.15	50,000	5470	----	----	CH20-51	
	10.50	9.30	51,000	5485	**CB18-65	----	**CBS18-65	
	10.90	9.65	51,000	5295	**CB19-51	**CB19-51	**CBH19-51	
	10.35	9.35	51,500	5520	----	----	CH20-65	
	10.70	9.40	52,000	5525	C14-65, C14-65FC	----	----	
	11.35	10.00	54,000	5400	**CB19-65	**CB19-65	**CBH19-65	
HS24-651 HS24-653 (8.2)	10.15	9.45	60,000	6345	C16-65, C16-65FC	CR16-65	----	LB-53081CE (32G54)
	10.20	9.50	60,500	6365	----	----	CH20-51	
	10.10	9.60	61,500	6410	**CB18-65	----	**CBS18-65	
	10.65	9.90	61,500	6205	**CB19-51	**CB19-51	**CBH19-51	
	10.40	9.70	62,500	6445	----	----	CH20-65	
	10.55	9.80	63,500	6475	C14-65, C14-65FC	----	----	
	11.05	10.30	65,500	6345	**CB19-65	**CB19-65	**CBH19-65	

• Rated in accordance with ARI Standard 210/240 and DOE; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 20 ft. of connecting refrigerant lines.

* Sound Rating Number in accordance with ARI Standard 270.

** Blower powered evaporator.

*** Kit is optional and must be ordered extra.

NOTE — Shaded area denotes most popular evaporator coil.

REFRIGERANT LINE KITS

Condensing Unit Model No.	Line Set Model No.	Length of Suct. & Liq. lines (in.)	Liquid Line (o.d. in.)	Suction Line (o.d. in.)
**HS24-141	*Not available	----	**1/4	1/2
**HS24-211 **HS24-261	L10-21-20	20	**5/16	5/8
	L10-21-25	25	**5/16	5/8
	L10-21-35	35	**5/16	5/8
	L10-21-50	50	**5/16	5/8
HS24-311 HS24-410	L10-41-20	20	3/8	3/4
	L10-41-30	30	3/8	3/4
	L10-41-40	40	3/8	3/4
	L10-41-50	50	3/8	3/4
HS24-460 HS24-510	L10-65-30	30	3/8	7/8
	L10-65-40	40	3/8	7/8
	L10-65-50	50	3/8	7/8
HS24-650	*Not available	----	3/8	1-1/8

*Field fabricate.

**HS24-141, HS24-211 & HS24-261 units will accept 3/8" liquid lines. Adapters furnished with condensing units will allow use with 1/4" liquid line (HS24-141) and 5/16" liquid line (HS24-211 & 261).

ELECTRICAL DATA

Model No.		HS24-141	HS24-211	HS24-261	HS24-311	HS24-411	HS24-413	
Line voltage data		208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-1ph	208/230v 60hz-3ph	460v 60hz-3ph
Compressor	Rated load amps	5.0	8.6	9.8	12.2	16.3	11.6	5.1
	Power factor	.97	.97	.96	.99	.99	.88	.88
	Locked rotor amps	26.3	49.0	56.0	71.0	86.7	65.1	32.8
Condenser Coil	Full load amps	1.1	1.1	1.1	1.1	1.1	1.1	0.6
Fan Motor	Locked rotor amps	1.7	1.7	1.7	1.7	1.7	1.7	0.9
Rec. max. fuse or circuit breaker size (amps)		15	20	20	25	35	25	15
*Minimum circuit ampacity		7.4	12.0	13.4	16.4	21.5	15.6	7.0

*Refer to National 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.

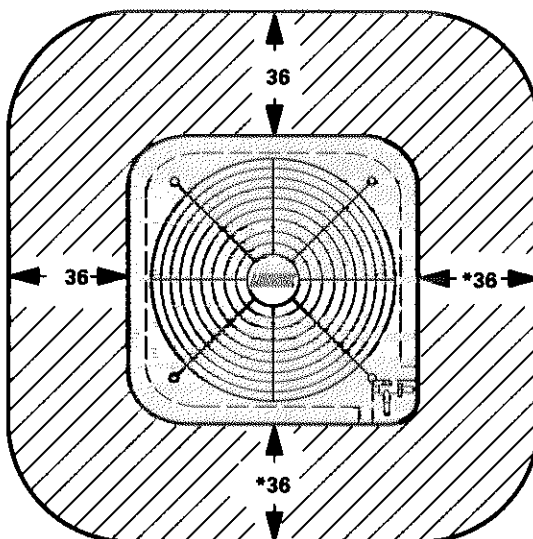
ELECTRICAL DATA

Model No.		HS24-461	HS24-463		HS24-511	HS24-513		HS24-651	HS24-653	
Line voltage data — 60 hz		208/230v 1ph	208/230v 3ph	460v 3ph	208/230v 1ph	208/230v 3ph	460v 3ph	208/230v 1ph	208/230v 3ph	460v 3ph
Compressor	Rated load amps	22.0	14.1	7.1	22.5	14.8	7.0	30.8	17.4	9.6
	Power factor	.99	.79	.79	.97	.88	.88	.98	.79	.79
	Locked rotor amps	105.0	130.0	64.0	110.0	92.0	46.0	147.0	150.0	73.0
Condenser Coil	Full load amps	1.1	1.1	0.6	1.7	1.7	1.1	1.7	1.7	1.1
Fan Motor	Locked rotor amps	1.7	1.7	0.9	3.1	3.1	2.2	3.1	3.1	2.2
Rec. max. fuse or circuit breaker size (amps)		50	30	15	50	35	15	70 60	40	20
*Minimum circuit ampacity		28.6	18.8	9.5	30.0	20.2	9.9	40.2	23.5	13.2

*Refer to National 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.

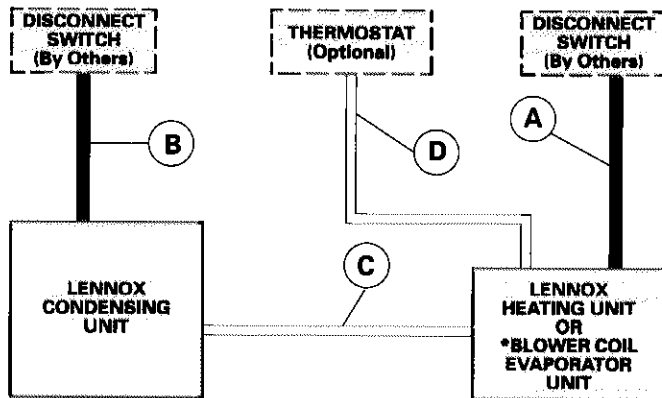
*Service & Appl. Notes
dated 5-20-92*

INSTALLATION CLEARANCES (inches)



NOTE—48 inch clearance required on top of unit.
*NOTE—One side must be 36 inches for service.
Two of the remaining three sides may be 12 inches.

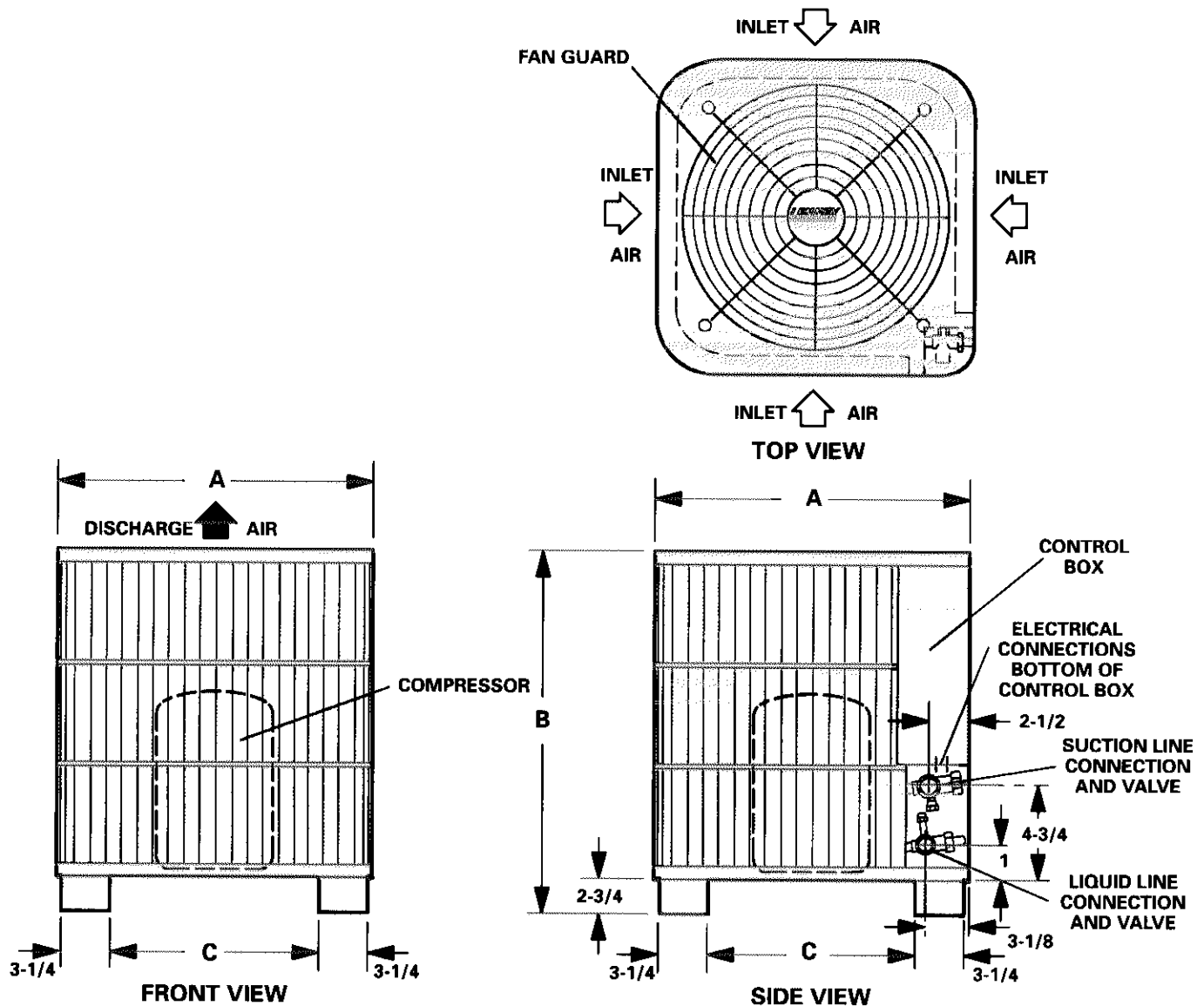
FIELD WIRING



- A — Two Wire Power (not furnished)
- B — Two or Three Wire Power (not furnished) — See Electrical Data
- C — Two Wire Low Voltage (not furnished) — 18 ga. minimum
- D — Four Wire Low Voltage (not furnished) — 18 ga. minimum

All wiring must conform to NEC and local electrical codes.

DIMENSIONS (inches)



Model No.	A	B	C
HS24-141, HS24-211, HS24-261	26-3/8	26-3/4	16-78
HS24-311, HS24-411-413, HS24-461-463	26-3/8	30-3/4	16-78
HS24-511-513, HS24-651-653	31-3/8	34-3/4	21-3/16

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-141 WITH CB18-21 OR CBS18-21 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	350	12,500	750	.73 .86 .97	12,000	830	.74 .87 .99	11,500	920	.75 .89 1.00	11,100	1010	.76 .92 1.00		
	450	13,200	760	.78 .93 1.00	12,700	840	.79 .94 1.00	12,300	930	.80 .96 1.00	11,800	1020	.82 .98 1.00		
	550	13,800	770	.82 .98 1.00	13,300	850	.84 1.00 1.00	12,800	940	.86 1.00 1.00	12,300	1030	.89 1.00 1.00		
67	350	13,100	760	.58 .70 .82	12,600	840	.59 .71 .84	12,200	930	.59 .73 .85	11,700	1020	.60 .74 .87		
	450	13,900	770	.61 .75 .89	13,400	850	.62 .77 .92	12,800	940	.63 .78 .93	12,300	1030	.64 .80 .95		
	550	14,500	770	.64 .80 .95	13,900	860	.65 .82 .97	13,300	950	.66 .84 .99	12,800	1040	.67 .85 1.00		
71	350	13,700	770	.44 .56 .68	13,200	850	.44 .57 .69	12,700	940	.45 .58 .70	12,200	1030	.45 .59 .71		
	450	14,600	780	.45 .60 .73	14,000	860	.46 .60 .74	13,500	950	.46 .61 .76	12,900	1040	.47 .62 .77		
	550	15,200	790	.47 .63 .78	14,600	870	.47 .64 .80	14,000	960	.48 .65 .81	13,400	1050	.48 .66 .83		

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

HS24-141 WITH C16-21FF/FC OR CR16-21FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	350	12,700	750	.74 .87 .98	12,200	830	.75 .89 1.00	11,700	920	.76 .91 1.00	11,300	1010	.77 .92 1.00		
	450	13,400	760	.79 .94 1.00	12,900	840	.80 .96 1.00	12,400	930	.82 .97 1.00	11,900	1020	.84 .99 1.00		
	550	14,000	770	.84 .99 1.00	13,400	850	.86 1.00 1.00	13,000	940	.88 1.00 1.00	12,500	1030	.91 1.00 1.00		
67	350	13,300	760	.58 .71 .84	12,800	840	.59 .72 .85	12,300	930	.60 .74 .87	11,800	1010	.61 .75 .89		
	450	14,000	770	.62 .77 .91	13,500	850	.63 .78 .93	13,000	940	.64 .80 .95	12,400	1030	.64 .81 .96		
	550	14,600	770	.65 .82 .97	14,000	860	.66 .84 .99	13,400	950	.67 .86 1.00	12,800	1030	.68 .88 1.00		
71	350	13,800	760	.44 .57 .69	13,300	850	.44 .58 .70	12,800	940	.45 .58 .71	12,300	1020	.45 .59 .72		
	450	14,700	770	.46 .60 .74	14,100	860	.46 .61 .76	13,500	950	.46 .62 .77	13,000	1040	.47 .63 .79		
	550	15,200	780	.47 .64 .80	14,600	870	.47 .65 .81	14,000	960	.48 .66 .83	13,400	1040	.48 .67 .85		

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

HS24-141 WITH CH16-21FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	350	12,700	750	.72 .85 .97	12,300	830	.73 .87 .98	11,800	920	.74 .88 1.00	11,300	1010	.76 .90 1.00		
	450	13,500	760	.77 .92 1.00	13,000	840	.78 .94 1.00	12,500	930	.81 .95 1.00	12,000	1020	.82 .97 1.00		
	550	14,100	770	.83 .98 1.00	13,600	850	.84 .99 1.00	13,000	940	.86 1.00 1.00	12,500	1030	.87 1.00 1.00		
67	350	13,500	760	.57 .70 .81	13,000	840	.58 .71 .83	12,500	930	.59 .72 .85	12,000	1020	.59 .73 .87		
	450	14,300	770	.60 .75 .89	13,700	850	.61 .76 .90	13,200	940	.62 .77 .92	12,600	1030	.63 .80 .94		
	550	14,800	780	.63 .81 .95	14,300	860	.64 .82 .97	13,700	950	.65 .83 .98	13,100	1040	.66 .85 1.00		
71	350	14,300	770	.44 .56 .67	13,800	860	.44 .56 .68	13,200	940	.44 .57 .69	12,700	1030	.45 .58 .70		
	450	15,100	780	.45 .59 .72	14,500	870	.45 .60 .73	13,900	950	.46 .61 .75	13,300	1040	.46 .62 .77		
	550	15,600	790	.46 .62 .77	15,000	870	.47 .63 .80	14,400	960	.47 .64 .81	13,800	1050	.48 .65 .83		

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

HS24-141 WITH CB19-21 OR CBH19-21 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	350	13,200	760	.73 .86 .99	12,800	840	.74 .88 1.00	12,200	930	.75 .90 1.00	11,700	1020	.77 .92 1.00		
	450	14,000	770	.79 .94 1.00	13,500	850	.80 .96 1.00	12,900	940	.82 .98 1.00	12,400	1030	.85 1.00 1.00		
	550	14,700	780	.85 1.00 1.00	14,100	860	.87 1.00 1.00	13,700	950	.88 1.00 1.00	13,100	1040	.90 1.00 1.00		
67	350	14,000	770	.58 .70 .83	13,500	850	.58 .72 .85	12,900	940	.59 .73 .87	12,400	1030	.60 .74 .88		
	450	14,800	780	.61 .76 .91	14,200	860	.62 .78 .93	13,600	950	.63 .80 .95	13,000	1040	.64 .81 .97		
	550	15,300	790	.65 .83 .98	14,700	870	.66 .85 1.00	14,100	960	.67 .86 1.00	13,400	1050	.68 .88 1.00		
71	350	14,800	780	.44 .56 .68	14,200	860	.44 .57 .69	13,600	950	.44 .57 .70	13,100	1040	.44 .58 .72		
	450	15,600	790	.45 .60 .74	15,000	870	.45 .61 .75	14,400	960	.46 .62 .77	13,700	1050	.46 .63 .79		
	550	16,100	800	.47 .64 .80	15,500	880	.47 .65 .83	14,800	970	.48 .66 .84	14,100	1060	.48 .67 .86		

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-211 WITH C16-21FF/FC OR CR16-21FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	550	18,600	1300	.74	.88	.99	17,600	1400	.76	.90	1.00	16,600	1490	.78	.93	1.00	15,500	1580	.80	.95	1.00
	650	19,300	1320	.77	.92	1.00	18,300	1410	.79	.94	1.00	17,300	1510	.82	.97	1.00	16,200	1600	.84	.99	1.00
	750	19,900	1330	.81	.96	1.00	18,900	1430	.83	.98	1.00	17,800	1520	.85	1.00	1.00	16,700	1620	.88	1.00	1.00
67	550	19,600	1320	.59	.72	.84	18,600	1420	.60	.73	.86	17,500	1520	.61	.75	.89	16,400	1610	.62	.77	.92
	650	20,300	1330	.61	.75	.89	19,300	1440	.62	.77	.91	18,100	1530	.63	.79	.93	17,000	1630	.65	.82	.96
	750	20,900	1340	.63	.78	.93	19,800	1450	.64	.80	.95	18,600	1550	.65	.83	.97	17,400	1640	.67	.86	1.00
71	550	20,500	1340	.44	.57	.69	19,400	1440	.45	.58	.71	18,400	1540	.45	.59	.73	17,200	1640	.46	.61	.75
	650	21,300	1350	.45	.59	.73	20,200	1450	.46	.60	.74	19,000	1560	.46	.62	.76	17,800	1660	.47	.63	.79
	750	21,900	1360	.46	.61	.76	20,800	1460	.46	.63	.78	19,600	1570	.47	.64	.80	18,300	1670	.48	.66	.83

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

HS24-211 WITH CB18-21 OR CBS18-21 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		85						95						105						115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)						
				75	80	85			75	80	85			75	80	85			75	80	85	75	80	85	
63	550	18,700	1300	.73	.86	.98	17,700	1400	.75	.88	.99	16,600	1490	.77	.92	1.00	15,600	1580	.79	.94	1.00				
	650	19,400	1320	.76	.91	1.00	18,400	1420	.78	.93	1.00	17,400	1510	.80	.95	1.00	16,300	1600	.83	.98	1.00				
	750	20,000	1330	.79	.94	1.00	19,000	1430	.81	.96	1.00	18,000	1530	.83	.99	1.00	16,800	1620	.86	1.00	1.00				
67	550	19,700	1320	.58	.71	.83	18,700	1420	.59	.72	.85	17,700	1520	.60	.74	.87	16,500	1610	.62	.76	.91				
	650	20,500	1340	.60	.74	.87	19,500	1440	.61	.75	.89	18,300	1540	.62	.78	.92	17,100	1630	.64	.80	.95				
	750	21,100	1350	.62	.77	.92	20,000	1450	.63	.79	.93	18,900	1550	.64	.81	.96	17,600	1650	.66	.84	.99				
71	550	20,600	1340	.44	.57	.68	19,600	1440	.45	.58	.70	18,600	1550	.45	.59	.71	17,400	1640	.46	.60	.73				
	650	21,500	1350	.45	.59	.71	20,500	1460	.45	.60	.73	19,300	1570	.46	.61	.75	18,100	1670	.47	.62	.77				
	750	22,200	1360	.46	.60	.74	21,100	1470	.46	.62	.76	19,900	1580	.47	.63	.78	18,800	1680	.48	.65	.81				

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

HS24-211 WITH CH16-21FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	550	18,700	1310	.73	.86	.97	17,800	1400	.74	.88	.99	16,800	1500	.76	.90	1.00	15,700	1580	.78	.93	1.00
	650	19,500	1320	.76	.90	1.00	18,500	1420	.78	.92	1.00	17,500	1510	.80	.95	1.00	16,300	1600	.83	.98	1.00
	750	20,200	1330	.79	.94	1.00	19,100	1430	.81	.96	1.00	18,000	1530	.84	.99	1.00	16,900	1620	.86	1.00	1.00
67	550	20,000	1330	.58	.70	.82	19,000	1430	.59	.71	.84	17,900	1530	.60	.73	.87	16,700	1620	.61	.75	.89
	650	20,800	1340	.60	.73	.87	19,700	1440	.60	.75	.89	18,500	1540	.62	.77	.91	17,300	1640	.63	.80	.94
	750	21,300	1350	.61	.76	.90	20,200	1450	.62	.78	.93	19,000	1560	.64	.81	.96	17,800	1660	.66	.83	.98
71	550	21,200	1350	.44	.56	.67	20,100	1450	.44	.57	.69	19,000	1560	.45	.58	.71	17,800	1660	.45	.59	.73
	650	22,000	1360	.45	.58	.71	20,900	1470	.45	.59	.72	19,700	1570	.46	.60	.74	18,400	1680	.46	.62	.77
	750	22,600	1370	.45	.60	.74	21,400	1480	.46	.61	.76	20,200	1590	.47	.62	.78	18,900	1690	.47	.64	.81

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

HS24-211 WITH C16-28FF/FC OR C16-28WFF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	550	19,800	1330	.72	.85	.97	18,800	1430	.74	.87	.99	17,700	1520	.75	.89	1.00	16,500	1610	.78	.92	1.00
	650	20,600	1340	.75	.89	1.00	19,500	1440	.77	.91	1.00	18,400	1540	.79	.94	1.00	17,200	1630	.81	.97	1.00
	750	21,200	1350	.78	.93	1.00	20,100	1450	.80	.96	1.00	18,900	1560	.82	.98	1.00	17,700	1650	.84	1.00	1.00
67	550	20,800	1340	.58	.70	.82	19,800	1450	.59	.71	.84	18,700	1550	.60	.73	.86	17,500	1640	.61	.75	.89
	650	21,700	1350	.60	.73	.86	20,600	1460	.61	.74	.88	19,400	1570	.61	.76	.90	18,100	1670	.63	.78	.94
	750	22,400	1360	.61	.76	.90	21,200	1470	.62	.77	.92	20,000	1580	.63	.80	.95	18,600	1680	.65	.82	.98
71	550	21,700	1360	.43	.56	.67	20,700	1460	.44	.57	.69	19,500	1570	.45	.58	.71	18,300	1670	.45	.59	.72
	650	22,700	1370	.44	.58	.71	21,500	1480	.45	.59	.72	20,300	1590	.45	.60	.74	19,000	1690	.46	.61	.76
	750	23,400	1380	.45	.60	.73	22,200	1490	.45	.61	.75	20,900	1600	.46	.62	.77	19,500	1710	.47	.64	.80

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-211 WITH C14-26FF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	550	19,800	1330	.74	.88	.99	18,800	1430	.76	.90	1.00	17,700	1520	.78	.93	1.00	16,500	1610	.80	.96	1.00
	650	20,600	1340	.78	.93	1.00	19,500	1440	.80	.96	1.00	18,400	1540	.82	.98	1.00	17,200	1640	.85	1.00	1.00
	750	21,400	1350	.82	.97	1.00	20,200	1460	.84	.99	1.00	19,100	1560	.86	1.00	1.00	18,000	1660	.90	1.00	1.00
67	550	21,100	1350	.58	.71	.84	20,000	1450	.59	.73	.87	18,800	1550	.60	.75	.89	17,600	1650	.62	.77	.92
	650	21,900	1360	.60	.75	.90	20,700	1460	.62	.77	.92	19,500	1570	.63	.80	.95	18,100	1670	.65	.82	.98
	750	22,500	1370	.63	.79	.94	21,300	1480	.64	.81	.97	19,900	1580	.66	.84	.99	18,600	1680	.68	.88	1.00
71	550	22,300	1360	.43	.56	.69	21,200	1470	.44	.57	.70	20,000	1580	.44	.58	.72	18,700	1680	.45	.60	.75
	650	23,200	1380	.44	.59	.73	21,900	1490	.45	.60	.74	20,600	1600	.46	.62	.77	19,300	1700	.46	.64	.80
	750	23,800	1380	.45	.61	.77	22,500	1490	.46	.63	.79	21,200	1610	.47	.64	.81	19,700	1710	.48	.66	.84

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

HS24-211 WITH CB18-26 OR CBS18-26 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85						95				105				115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	550	19,700	1320	.73	.87	.98	18,600	1420	.75	.89	1.00	17,500	1520	.77	.91	1.00	16,300	1600	.79	.94	1.00
	650	20,400	1340	.76	.91	1.00	19,300	1440	.78	.93	1.00	18,100	1540	.81	.96	1.00	16,900	1630	.85	.99	1.00
	750	21,100	1350	.80	.95	1.00	20,000	1450	.82	.98	1.00	18,800	1550	.86	1.00	1.00	17,600	1650	.88	1.00	1.00
67	550	20,900	1340	.58	.70	.83	19,800	1450	.59	.72	.85	18,600	1550	.60	.74	.88	17,400	1640	.61	.76	.91
	650	21,700	1350	.60	.74	.88	20,500	1460	.61	.76	.90	19,300	1560	.62	.78	.93	18,000	1660	.64	.81	.96
	750	22,200	1360	.62	.77	.92	21,000	1470	.63	.79	.95	19,800	1580	.65	.82	.97	18,500	1680	.66	.86	1.00
71	550	22,100	1360	.44	.56	.68	20,900	1470	.44	.57	.69	19,800	1580	.45	.58	.71	18,500	1680	.45	.60	.73
	650	22,900	1370	.45	.58	.71	21,700	1480	.45	.59	.73	20,400	1590	.45	.61	.75	19,100	1700	.46	.62	.78
	750	23,500	1380	.45	.60	.75	22,300	1490	.46	.62	.77	21,000	1600	.46	.63	.79	19,600	1710	.47	.65	.83

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

HS24-211 WITH CB19-21 OR CBH19-21 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		85						95						105						115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)						
				75	80	85			75	80	85			75	80	85			75	80	85				
63	450	19,000	1310	.70	.82	.94	18,000	1410	.72	.84	.96	16,900	1500	.73	.87	.98	15,800	1590	.75	.90	1.00				
	575	20,200	1330	.75	.89	1.00	19,100	1430	.76	.91	1.00	18,000	1530	.79	.94	1.00	16,900	1620	.81	.97	1.00				
	700	21,100	1350	.79	.95	1.00	20,100	1450	.81	.97	1.00	18,900	1550	.85	.99	1.00	17,800	1660	.87	1.00	1.00				
67	450	20,200	1330	.56	.68	.79	19,100	1430	.57	.69	.80	18,000	1530	.58	.70	.83	16,900	1620	.59	.72	.86				
	575	21,400	1350	.59	.72	.85	20,300	1460	.60	.74	.88	19,100	1560	.61	.76	.90	17,900	1660	.62	.78	.93				
	700	22,400	1360	.61	.77	.91	21,100	1470	.63	.79	.94	19,900	1580	.64	.81	.97	18,600	1680	.66	.85	.99				
71	450	21,300	1350	.43	.54	.65	20,300	1460	.43	.55	.66	19,100	1560	.43	.56	.68	17,900	1660	.44	.57	.70				
	575	22,700	1370	.44	.57	.69	21,500	1480	.44	.58	.71	20,300	1590	.45	.59	.73	19,000	1690	.46	.61	.76				
	700	23,600	1380	.45	.60	.74	22,400	1490	.46	.61	.76	21,100	1600	.46	.63	.79	19,700	1710	.47	.65	.82				

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

HS24-261 WITH CB18-26 OR CBS18-26 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85						95				105				115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	700	23,400	1790	.73	.87	.98	22,100	1900	.75	.89	1.00	20,800	2010	.76	.91	1.00	19,500	2110	.79	.94	1.00
	800	24,000	1810	.76	.90	1.00	22,800	1930	.77	.92	1.00	21,500	2040	.79	.95	1.00	20,100	2130	.82	.98	1.00
	900	24,600	1830	.78	.93	1.00	23,300	1950	.80	.96	1.00	22,000	2060	.82	.98	1.00	20,700	2160	.86	1.00	1.00
67	700	24,700	1830	.58	.71	.83	23,500	1950	.59	.72	.86	22,100	2060	.60	.74	.88	20,700	2170	.61	.76	.90
	800	25,400	1850	.59	.73	.87	24,100	1970	.60	.75	.89	22,700	2090	.62	.77	.91	21,300	2190	.63	.79	.94
	900	26,000	1870	.61	.76	.90	24,600	1990	.62	.78	.92	23,200	2110	.64	.80	.95	21,700	2210	.65	.84	.98
71	700	26,100	1870	.44	.56	.68	24,800	2000	.44	.57	.69	23,400	2120	.44	.58	.71	22,000	2230	.45	.60	.73
	800	26,900	1890	.44	.58	.71	25,500	2020	.45	.59	.72	24,100	2140	.45	.60	.74	22,500	2250	.46	.62	.77
	900	27,500	1910	.45	.60	.73	26,100	2040	.46	.61	.75	24,600	2160	.46	.62	.77	23,000	2280	.47	.64	.80

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-261 WITH C16-31FF/FC, C16-31WFF/FC, CR16-31FF OR CH16-31FF EVAPORATOR

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	700	23,400	1780	.73	.86	.98	22,200	1890	.74	.88	.99	21,000	1990	.76	.91	1.00	19,600	2090	.78	.93	1.00
	800	24,100	1800	.75	.90	1.00	22,900	1910	.77	.92	1.00	21,600	2020	.79	.94	1.00	20,100	2110	.81	.97	1.00
	900	24,700	1820	.78	.93	1.00	23,400	1930	.79	.95	1.00	22,100	2040	.81	.97	1.00	20,600	2140	.84	.99	1.00
67	700	24,900	1820	.58	.70	.82	23,700	1940	.59	.72	.84	22,300	2050	.60	.73	.87	20,900	2150	.61	.75	.90
	800	25,700	1840	.59	.73	.86	24,400	1960	.60	.74	.88	22,900	2070	.62	.76	.91	21,400	2170	.63	.78	.93
	900	26,200	1860	.61	.75	.90	24,900	1980	.62	.77	.92	23,400	2090	.63	.79	.94	21,800	2190	.65	.81	.97
71	700	26,300	1860	.43	.56	.68	25,000	1980	.44	.57	.69	23,600	2100	.44	.58	.71	22,100	2210	.45	.59	.73
	800	27,100	1880	.44	.58	.70	25,700	2010	.45	.59	.72	24,300	2120	.45	.60	.74	22,700	2230	.46	.61	.76
	900	27,700	1900	.45	.59	.73	26,300	2020	.45	.61	.74	24,800	2140	.46	.62	.76	23,200	2260	.47	.63	.79

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

HS24-261 WITH C16-28FF/FC OR C16-28WFF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	700	23,800	1790	.72	.85	.96	22,600	1910	.73	.86	.98	21,300	2020	.75	.89	1.00	20,000	2110	.77	.91	1.00
	800	24,600	1820	.74	.88	.99	23,300	1930	.76	.90	1.00	21,900	2040	.77	.92	1.00	20,500	2140	.79	.95	1.00
	900	25,200	1830	.76	.91	1.00	23,800	1950	.78	.93	1.00	22,500	2060	.80	.96	1.00	21,000	2160	.82	.98	1.00
67	700	25,000	1830	.58	.70	.81	23,700	1950	.58	.71	.83	22,500	2060	.59	.72	.85	21,000	2160	.60	.74	.88
	800	25,800	1850	.59	.72	.84	24,500	1970	.60	.73	.86	23,100	2090	.61	.75	.89	21,600	2190	.62	.77	.92
	900	26,400	1870	.60	.74	.87	25,100	1990	.61	.76	.90	23,600	2110	.62	.77	.92	22,100	2220	.63	.80	.95
71	700	26,100	1860	.43	.56	.67	24,800	1980	.43	.57	.69	23,500	2100	.45	.58	.70	22,000	2210	.45	.59	.72
	800	26,900	1880	.44	.57	.70	25,600	2010	.45	.58	.71	24,100	2130	.45	.59	.73	22,600	2240	.46	.61	.75
	900	27,600	1900	.45	.59	.72	26,100	2030	.45	.60	.73	24,700	2150	.46	.61	.75	23,100	2270	.47	.62	.77

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

HS24-261 WITH CB19-21 OR CBH19-21 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	500	22,100	1740	.69	.80	.91	21,000	1850	.70	.81	.92	19,900	1960	.71	.83	.95	18,600	2050	.72	.86	.97
	625	23,400	1780	.72	.85	.96	22,300	1900	.73	.87	.98	21,000	2010	.75	.89	1.00	19,800	2100	.77	.92	1.00
	750	24,500	1810	.75	.90	1.00	23,300	1930	.77	.92	1.00	21,900	2040	.79	.94	1.00	20,600	2150	.82	.97	1.00
67	500	23,400	1780	.55	.66	.76	22,300	1900	.56	.67	.78	21,100	2010	.57	.68	.79	19,900	2110	.57	.70	.82
	625	24,900	1830	.57	.69	.81	23,700	1940	.58	.71	.83	22,400	2060	.59	.72	.85	21,000	2160	.60	.74	.88
	750	25,900	1860	.59	.73	.86	24,600	1980	.60	.74	.88	23,300	2090	.61	.76	.91	21,700	2200	.63	.79	.94
71	500	24,800	1820	.43	.53	.63	23,600	1940	.43	.54	.64	22,400	2060	.43	.55	.65	21,100	2170	.44	.56	.67
	625	26,300	1860	.43	.55	.67	25,000	1990	.44	.56	.68	23,700	2110	.44	.57	.70	22,200	2220	.45	.58	.72
	750	27,400	1890	.44	.58	.70	26,000	2020	.45	.59	.72	24,600	2150	.45	.60	.74	23,000	2260	.46	.61	.76

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

HS24-261 WITH C14-26FF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	700	24,000	1800	.74	.88	.99	22,800	1910	.76	.91	1.00	21,500	2020	.78	.93	1.00	20,100	2120	.80	.95	1.00
	800	24,800	1820	.77	.92	1.00	23,400	1940	.79	.94	1.00	22,100	2050	.81	.97	1.00	20,700	2150	.83	.99	1.00
	900	25,400	1840	.80	.95	1.00	24,100	1960	.82	.98	1.00	22,800	2070	.84	.99	1.00	21,400	2180	.88	1.00	1.00
67	700	25,500	1840	.59	.72	.85	24,200	1960	.60	.73	.87	22,800	2070	.61	.75	.90	21,300	2180	.62	.77	.92
	800	26,200	1860	.60	.75	.89	24,900	1980	.61	.76	.91	23,400	2100	.63	.78	.93	21,800	2200	.64	.81	.97
	900	26,800	1880	.62	.78	.92	25,400	2000	.63	.79	.95	23,900	2120	.65	.82	.97	22,200	2220	.66	.84	.99
71	700	26,900	1880	.44	.57	.69	25,500	2010	.44	.58	.71	24,100	2130	.45	.59	.73	22,600	2240	.45	.60	.75
	800	27,700	1900	.44	.59	.72	26,200	2030	.45	.60	.74	24,700	2150	.46	.61	.76	23,100	2260	.46	.63	.78
	900	28,300	1920	.45	.61	.75	26,800	2050	.46	.62	.77	25,200	2170	.47	.63	.79	23,500	2280	.47	.65	.82

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-261 WITH CB19-26 OR CBH19-26 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)
				Dry Bulb (°F)									
				75 80 85			75 80 85			75 80 85			75 80 85
63	600	23,200	1780	.71 .84 .95	22,000	1890	.73 .86 .97	20,900	2000	.74 .88 .99	19,600	2090	.76 .91 1.00
	750	24,500	1810	.75 .90 1.00	23,300	1930	.77 .92 1.00	21,900	2040	.79 .94 1.00	20,600	2150	.81 .97 1.00
	900	25,500	1840	.80 .95 1.00	24,300	1960	.82 .97 1.00	23,000	2080	.85 .99 1.00	21,500	2190	.87 1.00 1.00
67	600	24,700	1820	.57 .69 .80	23,400	1940	.58 .70 .82	22,100	2050	.58 .71 .84	20,800	2150	.60 .73 .87
	750	26,000	1860	.59 .73 .86	24,600	1980	.60 .74 .88	23,300	2090	.61 .76 .91	21,700	2200	.63 .79 .94
	900	26,900	1880	.62 .77 .91	25,500	2000	.63 .79 .94	24,000	2120	.64 .81 .96	22,500	2230	.66 .85 .99
71	600	26,000	1860	.43 .55 .66	24,800	1980	.44 .56 .67	23,400	2100	.44 .57 .69	22,000	2210	.44 .58 .71
	750	27,400	1890	.44 .58 .70	26,000	2020	.45 .59 .72	24,600	2150	.45 .60 .74	23,000	2260	.46 .61 .76
	900	28,400	1920	.45 .60 .75	26,900	2050	.46 .62 .76	25,400	2180	.46 .63 .79	23,700	2290	.47 .65 .83

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

HS24-311 WITH CR16-31FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)
				Dry Bulb (°F)									
				75 80 85			75 80 85			75 80 85			75 80 85
63	900	28,300	2180	.74 .87 .98	27,000	2340	.75 .89 1.00	25,700	2500	.76 .91 1.00	24,200	2650	.78 .93 1.00
	1050	29,300	2210	.76 .91 1.00	27,900	2370	.78 .93 1.00	26,500	2530	.80 .95 1.00	25,000	2690	.82 .97 1.00
	1200	30,100	2230	.79 .94 1.00	28,600	2400	.81 .96 1.00	27,200	2560	.83 .98 1.00	25,700	2720	.85 1.00 1.00
67	900	30,100	2230	.58 .71 .83	28,800	2400	.59 .72 .85	27,300	2570	.60 .74 .87	25,800	2720	.61 .76 .90
	1050	31,100	2250	.60 .74 .87	29,700	2430	.61 .75 .90	28,100	2600	.62 .77 .92	26,500	2760	.63 .79 .94
	1200	31,900	2270	.62 .77 .91	30,400	2450	.63 .78 .93	28,800	2630	.64 .80 .96	27,100	2790	.65 .83 .98
71	900	31,900	2270	.44 .57 .68	30,500	2450	.44 .57 .70	28,900	2630	.45 .58 .71	27,400	2810	.45 .60 .73
	1050	32,900	2290	.45 .58 .71	31,400	2480	.45 .59 .73	29,800	2670	.46 .61 .74	28,200	2840	.46 .62 .77
	1200	33,800	2310	.45 .60 .74	32,100	2500	.46 .61 .76	30,500	2690	.47 .63 .78	28,800	2870	.47 .64 .80

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

HS24-311 WITH C16-28FF/FC OR C16-28WFF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)
				Dry Bulb (°F)									
				75 80 85			75 80 85			75 80 85			75 80 85
63	900	29,100	2200	.73 .85 .97	27,700	2370	.74 .87 .99	26,400	2530	.75 .89 1.00	24,800	2680	.77 .91 1.00
	1050	30,000	2220	.75 .89 1.00	28,600	2390	.77 .91 1.00	27,100	2560	.78 .93 1.00	25,600	2710	.80 .96 1.00
	1200	30,800	2240	.78 .93 1.00	29,300	2420	.79 .95 1.00	27,800	2590	.81 .97 1.00	26,200	2750	.83 .99 1.00
67	900	30,500	2240	.58 .70 .82	29,100	2410	.59 .72 .84	27,700	2580	.59 .73 .86	26,200	2750	.61 .74 .88
	1050	31,600	2260	.59 .73 .86	30,100	2440	.60 .74 .88	28,600	2620	.61 .76 .90	27,000	2790	.62 .78 .92
	1200	32,400	2280	.61 .75 .89	30,900	2470	.62 .77 .91	29,300	2650	.63 .79 .94	27,700	2820	.64 .81 .96
71	900	31,800	2270	.43 .57 .68	30,400	2450	.44 .57 .69	29,000	2630	.44 .58 .71	27,400	2810	.45 .59 .72
	1050	33,000	2290	.44 .58 .71	31,500	2480	.45 .59 .72	29,900	2670	.45 .60 .73	28,300	2850	.46 .61 .75
	1200	33,900	2310	.45 .59 .73	32,300	2510	.46 .61 .75	30,700	2700	.46 .62 .76	29,000	2890	.47 .63 .78

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

HS24-311 WITH CH16-31FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)
				Dry Bulb (°F)									
				75 80 85			75 80 85			75 80 85			75 80 85
63	900	28,900	2200	.74 .87 .98	27,600	2360	.76 .88 1.00	26,300	2520	.77 .91 1.00	24,900	2680	.79 .93 1.00
	1050	29,900	2220	.77 .91 1.00	28,500	2390	.78 .93 1.00	27,100	2560	.80 .95 1.00	25,500	2720	.82 .97 1.00
	1200	30,700	2240	.80 .94 1.00	29,200	2420	.81 .96 1.00	27,800	2590	.83 .98 1.00	26,300	2750	.85 1.00 1.00
67	900	30,700	2240	.58 .71 .83	29,300	2420	.59 .72 .85	27,900	2590	.60 .74 .87	26,400	2760	.61 .76 .89
	1050	31,800	2260	.60 .74 .87	30,200	2450	.61 .76 .89	28,700	2630	.62 .78 .91	27,200	2800	.63 .79 .94
	1200	32,500	2280	.62 .77 .91	31,000	2470	.63 .79 .93	29,400	2650	.64 .81 .95	27,700	2830	.67 .83 .98
71	900	32,600	2280	.44 .56 .68	31,100	2470	.45 .57 .69	29,600	2660	.45 .58 .72	28,000	2840	.45 .59 .73
	1050	33,600	2310	.45 .58 .72	32,000	2500	.45 .59 .73	30,500	2690	.46 .60 .75	28,800	2870	.46 .62 .77
	1200	34,400	2320	.46 .60 .75	32,800	2520	.46 .61 .76	31,100	2720	.47 .62 .78	29,300	2910	.47 .66 .80

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-311 WITH C16-41FF/FC, C16-41WFF/FC OR CR16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	29,100	2200	.74 .87 .98	27,800	2370	.75 .89 1.00	26,400	2530	.76 .92 1.00	24,900	2680	.78 .94 1.00		
	1050	30,100	2230	.77 .91 1.00	28,700	2400	.78 .93 1.00	27,200	2560	.80 .95 1.00	25,700	2720	.82 .98 1.00		
	1200	30,900	2250	.79 .95 1.00	29,400	2420	.81 .97 1.00	27,900	2590	.83 .99 1.00	26,500	2760	.85 1.00 1.00		
67	900	31,000	2250	.58 .71 .83	29,500	2420	.59 .72 .85	28,000	2600	.60 .74 .87	26,500	2760	.61 .76 .90		
	1050	32,000	2270	.60 .74 .88	30,500	2450	.61 .75 .90	28,900	2630	.62 .77 .92	27,200	2800	.63 .79 .95		
	1200	32,800	2290	.62 .77 .92	31,200	2470	.63 .79 .94	29,500	2660	.64 .81 .96	27,800	2830	.65 .83 .98		
71	900	32,700	2290	.44 .57 .68	31,200	2480	.44 .57 .70	29,700	2660	.44 .58 .71	28,100	2840	.45 .60 .73		
	1050	33,800	2310	.44 .59 .71	32,200	2510	.45 .60 .73	30,600	2700	.46 .61 .75	28,900	2880	.46 .62 .77		
	1200	34,700	2330	.45 .60 .74	33,000	2530	.46 .62 .76	31,300	2720	.47 .63 .78	29,500	2910	.47 .64 .80		

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

HS24-311 WITH CB18-31 OR CBS18-31 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	28,900	2200	.73 .86 .98	27,800	2360	.75 .89 1.00	26,300	2530	.76 .91 1.00	24,800	2680	.78 .93 1.00		
	1050	30,000	2220	.76 .91 1.00	28,600	2400	.78 .93 1.00	27,100	2560	.79 .95 1.00	25,600	2720	.81 .97 1.00		
	1200	30,900	2240	.79 .94 1.00	29,400	2420	.81 .96 1.00	27,900	2590	.83 .98 1.00	26,400	2750	.85 1.00 1.00		
67	900	30,800	2240	.58 .71 .83	29,400	2420	.59 .72 .85	27,900	2590	.60 .73 .88	26,400	2750	.61 .75 .90		
	1050	31,800	2270	.60 .73 .88	30,300	2450	.61 .75 .89	28,800	2630	.62 .77 .92	27,100	2790	.63 .79 .94		
	1200	32,700	2290	.62 .76 .91	31,100	2470	.63 .78 .93	29,400	2650	.64 .80 .95	27,600	2820	.65 .83 .98		
71	900	32,600	2280	.44 .56 .68	31,100	2470	.44 .57 .69	29,500	2660	.44 .58 .71	27,900	2830	.45 .59 .73		
	1050	33,700	2310	.44 .58 .71	32,100	2500	.45 .59 .72	30,400	2690	.45 .60 .74	28,800	2870	.46 .62 .76		
	1200	34,500	2330	.45 .60 .74	32,900	2530	.46 .61 .76	31,200	2720	.46 .62 .77	29,400	2910	.47 .64 .80		

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

HS24-311 WITH C14-26FF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	29,300	2210	.75 .90 1.00	28,100	2380	.77 .92 1.00	26,600	2540	.78 .94 1.00	25,200	2690	.81 .96 1.00		
	1050	30,400	2240	.79 .94 1.00	29,000	2410	.80 .96 1.00	27,500	2580	.82 .98 1.00	26,100	2740	.85 1.00 1.00		
	1200	31,300	2260	.82 .98 1.00	29,900	2440	.84 .99 1.00	28,500	2620	.86 1.00 1.00	27,100	2790	.89 1.00 1.00		
67	900	31,200	2250	.59 .73 .86	29,800	2430	.60 .74 .88	28,200	2610	.61 .76 .91	26,700	2770	.62 .78 .93		
	1050	32,200	2280	.61 .76 .91	30,700	2460	.63 .78 .93	29,100	2640	.63 .80 .95	27,400	2810	.65 .82 .98		
	1200	33,000	2290	.64 .80 .95	31,400	2480	.64 .82 .97	29,700	2660	.66 .84 .99	28,000	2830	.67 .86 1.00		
71	900	33,000	2290	.44 .57 .70	31,500	2480	.44 .58 .72	29,900	2670	.45 .60 .73	28,200	2850	.45 .61 .75		
	1050	34,100	2320	.45 .60 .74	32,400	2510	.45 .61 .76	30,800	2700	.46 .62 .78	29,000	2890	.47 .64 .80		
	1200	34,900	2340	.46 .62 .77	33,200	2540	.47 .63 .79	31,500	2730	.47 .65 .81	29,700	2920	.48 .66 .84		

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

HS24-311 WITH CB18-41 OR CBS18-41 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	29,500	2210	.73 .87 .98	28,100	2380	.75 .89 1.00	26,700	2540	.76 .91 1.00	25,300	2700	.78 .93 1.00		
	1050	30,500	2240	.76 .91 1.00	29,100	2410	.78 .93 1.00	27,700	2580	.80 .95 1.00	26,100	2740	.83 .97 1.00		
	1200	31,400	2260	.79 .94 1.00	29,900	2440	.83 .96 1.00	28,400	2610	.84 .98 1.00	26,800	2780	.86 1.00 1.00		
67	900	31,300	2250	.58 .71 .84	29,800	2430	.59 .72 .86	28,300	2610	.60 .74 .87	26,700	2770	.61 .75 .90		
	1050	32,300	2280	.60 .74 .87	30,700	2460	.61 .75 .89	29,200	2640	.62 .77 .91	27,600	2820	.63 .81 .94		
	1200	33,100	2300	.62 .77 .91	31,600	2480	.63 .78 .93	30,000	2670	.64 .82 .96	28,200	2850	.65 .84 .98		
71	900	33,000	2290	.44 .56 .68	31,600	2490	.44 .57 .69	30,000	2670	.45 .58 .71	28,300	2850	.45 .59 .73		
	1050	34,200	2320	.45 .58 .71	32,500	2520	.45 .59 .73	30,900	2710	.45 .60 .74	29,200	2900	.46 .62 .76		
	1200	35,000	2340	.45 .60 .74	33,400	2540	.46 .61 .76	31,600	2740	.46 .63 .80	29,800	2930	.47 .64 .81		

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-311 WITH CH16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	30,100	2230	.74 .87 .99	28,700	2400	.75 .89 1.00	27,200	2570	.78 .91 1.00	25,700	2720	.79 .94 1.00		
	1050	31,100	2250	.78 .92 1.00	29,600	2430	.79 .94 1.00	28,100	2600	.81 .96 1.00	26,600	2770	.83 .98 1.00		
	1200	31,900	2270	.80 .95 1.00	30,500	2450	.82 .97 1.00	29,000	2630	.84 .99 1.00	27,400	2810	.86 1.00 1.00		
67	900	32,000	2270	.58 .71 .84	30,500	2450	.59 .72 .86	29,100	2640	.60 .75 .88	27,400	2810	.61 .77 .90		
	1050	33,000	2290	.60 .74 .88	31,600	2480	.61 .77 .90	29,900	2670	.62 .78 .93	28,200	2850	.63 .80 .95		
	1200	33,900	2310	.62 .78 .92	32,300	2510	.63 .80 .94	30,600	2700	.64 .82 .96	28,900	2880	.67 .84 .99		
71	900	34,000	2310	.44 .56 .68	32,400	2510	.44 .57 .70	30,800	2710	.45 .58 .71	29,100	2890	.45 .59 .74		
	1050	35,100	2340	.45 .58 .72	33,400	2540	.45 .59 .74	31,700	2740	.46 .61 .76	29,900	2930	.46 .62 .78		
	1200	35,900	2360	.46 .60 .75	34,100	2560	.46 .62 .77	32,400	2760	.47 .63 .79	30,500	2960	.47 .66 .81		

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

HS24-311 WITH CB19-31 OR CBH19-31 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	750	28,900	2200	.72 .84 .96	27,500	2360	.73 .86 .98	26,100	2520	.74 .88 .99	24,700	2670	.76 .91 1.00		
	950	30,500	2240	.76 .91 1.00	29,100	2410	.78 .93 1.00	27,600	2580	.80 .95 1.00	26,000	2730	.82 .98 1.00		
	1150	31,800	2270	.81 .97 1.00	30,300	2450	.83 .98 1.00	28,700	2630	.85 .99 1.00	27,300	2800	.87 1.00 1.00		
67	750	30,700	2240	.57 .69 .81	29,200	2410	.58 .70 .82	27,800	2580	.58 .72 .84	26,300	2740	.60 .73 .87		
	950	32,400	2280	.60 .74 .87	30,800	2460	.61 .75 .89	29,200	2640	.62 .77 .92	27,400	2800	.63 .79 .94		
	1150	33,600	2300	.63 .78 .93	31,900	2490	.64 .80 .95	30,000	2680	.65 .82 .97	28,200	2840	.66 .84 .99		
71	750	32,400	2280	.43 .55 .66	30,900	2460	.43 .56 .67	29,300	2650	.43 .57 .69	27,700	2820	.44 .58 .71		
	950	34,100	2320	.44 .58 .71	32,500	2510	.44 .59 .73	30,700	2700	.45 .60 .74	28,900	2880	.46 .61 .76		
	1150	35,300	2350	.45 .61 .76	33,600	2540	.46 .62 .78	31,600	2740	.47 .64 .80	29,600	2920	.47 .65 .82		

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

HS24-311 WITH CB19-41 OR CBH19-41 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	30,100	2230	.75 .89 1.00	28,700	2400	.77 .91 1.00	27,300	2570	.78 .93 1.00	25,700	2720	.80 .96 1.00		
	1025	31,100	2250	.78 .93 1.00	29,600	2430	.80 .95 1.00	28,000	2600	.82 .97 1.00	26,400	2760	.84 .99 1.00		
	1150	31,700	2270	.81 .97 1.00	30,300	2450	.83 .98 1.00	28,700	2630	.85 .99 1.00	27,300	2800	.87 1.00 1.00		
67	900	32,000	2270	.59 .73 .86	30,500	2450	.60 .74 .88	28,900	2630	.61 .76 .90	27,100	2790	.62 .78 .92		
	1025	32,900	2290	.61 .75 .90	31,300	2470	.62 .77 .92	29,500	2650	.63 .79 .94	27,700	2820	.64 .81 .97		
	1150	33,600	2300	.63 .78 .93	31,800	2490	.64 .80 .95	30,000	2680	.65 .82 .97	28,200	2840	.66 .84 .99		
71	900	33,800	2310	.44 .57 .70	32,200	2500	.44 .58 .71	30,500	2690	.45 .59 .73	28,600	2870	.45 .61 .75		
	1025	34,600	2330	.45 .59 .73	33,000	2530	.45 .60 .75	31,100	2720	.45 .61 .76	29,200	2900	.46 .63 .79		
	1150	35,400	2340	.45 .61 .76	33,600	2540	.46 .62 .78	31,700	2740	.47 .63 .80	29,600	2920	.47 .65 .82		

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

HS24-311 WITH C14-41FF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	900	30,900	2250	.75 .90 1.00	29,400	2420	.77 .92 1.00	28,000	2600	.79 .94 1.00	26,400	2760	.82 .97 1.00		
	1050	32,100	2270	.79 .95 1.00	30,500	2460	.81 .97 1.00	29,000	2640	.84 .99 1.00	27,500	2810	.86 1.00 1.00		
	1200	33,000	2300	.84 .99 1.00	31,500	2490	.85 1.00 1.00	30,100	2680	.87 1.00 1.00	28,500	2860	.91 1.00 1.00		
67	900	32,900	2290	.59 .73 .86	31,300	2480	.60 .74 .88	29,700	2660	.61 .76 .90	28,000	2830	.62 .78 .93		
	1050	33,900	2310	.61 .76 .91	32,300	2510	.62 .78 .93	30,500	2690	.64 .82 .96	28,700	2870	.65 .84 .98		
	1200	34,700	2330	.64 .81 .96	33,000	2530	.65 .83 .98	31,300	2720	.66 .85 1.00	29,200	2900	.67 .87 1.00		
71	900	34,900	2340	.44 .57 .70	33,300	2540	.44 .58 .71	31,500	2730	.45 .59 .73	29,700	2920	.45 .61 .75		
	1050	36,000	2360	.45 .60 .74	34,100	2560	.45 .61 .76	32,300	2760	.46 .62 .78	30,300	2950	.47 .64 .81		
	1200	36,700	2370	.46 .62 .78	34,900	2580	.47 .63 .81	32,800	2780	.48 .65 .83	30,800	2980	.48 .67 .85		

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-411-413 WITH C16-41FF/FC, C16-41WFF/FC OR CR16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)														
		85					95					105				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85
63	1000	35,900	2760	.71	.84	.95	34,100	2970	.73	.86	.98	32,100	3160	.74	.88	.99
	1200	37,400	2810	.75	.88	.99	35,500	3030	.76	.91	1.00	33,400	3220	.78	.93	1.00
	1400	38,700	2850	.78	.93	1.00	36,600	3070	.80	.95	1.00	34,500	3270	.82	.97	1.00
67	1000	38,200	2840	.57	.69	.80	36,300	3060	.58	.70	.82	34,200	3260	.59	.72	.84
	1200	39,800	2890	.59	.72	.85	37,700	3110	.60	.74	.87	35,500	3320	.61	.76	.90
	1400	41,100	2930	.61	.75	.89	38,800	3160	.62	.77	.92	36,500	3370	.63	.79	.94
71	1000	40,400	2910	.44	.55	.66	38,400	3140	.44	.56	.67	36,200	3350	.44	.57	.69
	1200	42,100	2970	.44	.57	.69	39,900	3200	.45	.58	.71	37,600	3420	.45	.59	.73
	1400	43,500	3010	.45	.59	.73	41,100	3240	.46	.60	.74	38,600	3470	.46	.62	.77

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

HS24-411-413 WITH CB18-41 OR CBS18-41 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)														
		85					95					105				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85
63	1000	36,100	2770	.71	.84	.95	34,200	2980	.73	.86	.97	32,400	3180	.74	.88	.99
	1200	37,800	2820	.74	.88	.99	35,900	3040	.76	.90	1.00	33,800	3240	.78	.93	1.00
	1400	39,200	2870	.77	.92	1.00	37,100	3090	.79	.94	1.00	34,900	3290	.81	.97	1.00
67	1000	38,500	2850	.57	.69	.80	36,500	3070	.58	.70	.82	34,500	3270	.59	.72	.85
	1200	40,100	2900	.59	.72	.84	38,000	3120	.60	.73	.87	35,800	3330	.61	.75	.89
	1400	41,400	2940	.61	.75	.89	39,100	3170	.62	.77	.91	36,700	3380	.63	.79	.94
71	1000	40,700	2920	.44	.55	.66	38,600	3150	.44	.56	.67	36,500	3370	.44	.57	.69
	1200	42,400	2980	.44	.57	.69	40,200	3210	.45	.58	.71	37,900	3430	.45	.59	.73
	1400	43,800	3020	.45	.59	.72	41,400	3260	.46	.60	.74	38,900	3480	.46	.62	.77

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

HS24-411-413 WITH C16-46FF/FC OR C16-46WFF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)														
		85					95					105				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85
63	1000	36,400	2780	.71	.84	.95	34,500	2990	.73	.86	.97	32,500	3180	.74	.88	.99
	1250	38,400	2840	.75	.90	1.00	36,300	3060	.77	.92	1.00	34,200	3260	.79	.94	1.00
	1500	39,800	2890	.79	.94	1.00	37,600	3110	.81	.97	1.00	35,400	3320	.83	.99	1.00
67	1000	38,700	2850	.57	.69	.80	36,700	3070	.58	.70	.82	34,600	3280	.59	.72	.84
	1250	40,700	2920	.59	.73	.86	38,500	3150	.60	.74	.89	36,200	3360	.61	.76	.91
	1500	42,200	2970	.61	.76	.91	39,800	3200	.63	.79	.94	37,400	3410	.64	.81	.96
71	1000	40,900	2930	.44	.55	.66	38,800	3160	.44	.56	.67	36,600	3380	.44	.57	.69
	1250	43,000	3000	.44	.58	.70	40,700	3230	.45	.59	.72	38,300	3450	.45	.60	.74
	1500	44,600	3050	.45	.60	.74	42,100	3280	.46	.61	.76	39,600	3510	.46	.63	.79

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

HS24-411,413 WITH C16-51FF/FC OR CR16-51FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)														
		85					95					105				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85
63	1000	36,700	2790	.72	.85	.96	34,900	3000	.73	.87	.98	32,800	3200	.75	.89	1.00
	1200	38,400	2840	.75	.89	1.00	36,300	3060	.77	.91	1.00	34,200	3260	.79	.94	1.00
	1400	39,700	2890	.78	.93	1.00	37,600	3110	.80	.96	1.00	35,300	3320	.83	.98	1.00
67	1000	39,000	2860	.57	.69	.81	37,000	3090	.58	.71	.83	34,900	3290	.59	.72	.86
	1200	40,700	2920	.59	.73	.86	38,500	3140	.60	.74	.88	36,200	3350	.61	.76	.91
	1400	41,900	2960	.61	.76	.90	39,600	3190	.62	.78	.92	37,100	3400	.64	.80	.95
71	1000	41,300	2940	.44	.55	.66	39,100	3170	.44	.56	.68	36,900	3380	.44	.57	.70
	1200	43,000	2990	.44	.58	.70	40,700	3230	.45	.59	.72	38,200	3450	.45	.60	.74
	1400	44,300	3040	.45	.60	.73	41,800	3270	.46	.61	.75	39,300	3500	.46	.62	.78

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-411-413 WITH CH16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85						95				105				115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	1000	36,900	2790	.72	.84	.96	35,000	3010	.73	.86	.98	33,100	3210	.75	.89	1.00	31,000	3390	.77	.91	1.00
	1250	38,900	2860	.76	.90	1.00	36,800	3080	.78	.92	1.00	34,700	3280	.80	.95	1.00	32,500	3470	.82	.98	1.00
	1500	40,300	2910	.80	.95	1.00	38,300	3130	.82	.97	1.00	36,000	3340	.84	.99	1.00	33,700	3550	.87	1.00	1.00
67	1000	39,400	2880	.57	.69	.81	37,400	3100	.58	.70	.83	35,200	3310	.59	.72	.85	32,900	3500	.60	.74	.88
	1250	41,400	2940	.59	.73	.87	39,000	3170	.60	.75	.89	36,800	3380	.62	.77	.92	34,400	3580	.63	.80	.95
	1500	42,700	2980	.62	.77	.92	40,400	3220	.63	.80	.94	37,900	3440	.65	.82	.97	35,500	3630	.66	.85	.99
71	1000	41,800	2960	.44	.55	.66	39,700	3190	.44	.56	.68	37,400	3410	.44	.57	.69	35,100	3610	.45	.58	.71
	1250	43,900	3020	.44	.58	.71	41,500	3260	.45	.59	.73	39,000	3490	.46	.60	.75	36,500	3690	.46	.62	.77
	1500	45,300	3070	.46	.60	.75	42,800	3310	.46	.62	.78	40,200	3540	.47	.63	.80	37,400	3750	.48	.65	.82

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-411-413 WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	900	37,500	2810	.71 .83 .94	35,600	3030	.72 .85 .97	33,500	3230	.74 .87 .99	31,300	3410	.76 .90 1.00
	1125	39,700	2880	.75 .89 1.00	37,600	3110	.77 .91 1.00	35,400	3310	.79 .94 1.00	33,000	3500	.81 .98 1.00
	1350	41,400	2940	.79 .95 1.00	39,100	3170	.81 .97 1.00	36,700	3380	.84 .99 1.00	34,500	3590	.87 1.00 1.00
67	900	39,800	2890	.56 .68 .79	37,800	3120	.57 .69 .81	35,600	3330	.58 .71 .84	33,300	3510	.59 .73 .87
	1125	41,900	2960	.59 .72 .86	39,800	3190	.60 .74 .88	37,300	3410	.61 .76 .91	34,900	3600	.63 .79 .94
	1350	43,600	3010	.61 .77 .91	41,100	3250	.63 .79 .94	38,600	3460	.64 .82 .97	35,800	3660	.66 .85 .99
71	900	42,100	2960	.43 .54 .65	39,900	3200	.43 .55 .67	37,600	3420	.43 .56 .68	35,200	3620	.44 .57 .70
	1125	44,300	3040	.44 .57 .70	41,900	3280	.44 .58 .72	39,400	3500	.45 .60 .74	36,800	3710	.45 .61 .76
	1350	45,900	3090	.45 .60 .74	43,400	3330	.45 .61 .77	40,700	3560	.46 .63 .79	37,900	3770	.47 .65 .82

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

HS24-461-463 WITH C16-41FF/FC OR C16-41WFF/FC OR CR16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1000	38,600	3180	.69 .81 .92	37,000	3400	.70 .82 .94	35,400	3620	.71 .84 .96	33,600	3820	.73 .86 .97
	1250	40,800	3250	.73 .86 .97	39,000	3480	.74 .88 .99	37,100	3700	.75 .90 1.00	35,400	3910	.77 .92 1.00
	1500	42,300	3300	.76 .91 1.00	40,500	3530	.78 .93 1.00	38,600	3760	.79 .95 1.00	36,600	3980	.81 .97 1.00
67	1000	41,000	3260	.56 .67 .77	39,300	3490	.56 .68 .79	37,600	3710	.57 .69 .80	35,800	3930	.58 .70 .82
	1250	43,200	3330	.58 .70 .82	41,400	3570	.59 .71 .84	39,500	3800	.59 .73 .86	37,600	4020	.60 .74 .88
	1500	44,800	3390	.60 .74 .87	42,900	3630	.61 .75 .89	40,900	3860	.62 .77 .91	38,900	4090	.63 .79 .94
71	1000	43,200	3330	.43 .54 .64	41,500	3570	.43 .54 .65	39,800	3810	.44 .55 .66	37,900	4040	.44 .56 .67
	1250	45,600	3410	.44 .56 .68	43,700	3660	.44 .57 .69	41,800	3900	.44 .58 .70	39,800	4140	.45 .59 .72
	1500	47,300	3470	.45 .58 .71	45,400	3720	.45 .59 .73	43,300	3970	.46 .60 .74	41,200	4210	.46 .61 .76

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

HS24-461-463 WITH CB18-41 OR CBS18-41 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1000	38,900	3190	.69 .81 .92	37,300	3410	.70 .82 .93	35,600	3630	.71 .84 .95	33,900	3840	.73 .86 .97
	1250	40,900	3260	.73 .86 .97	39,400	3490	.74 .88 .99	37,600	3710	.75 .89 1.00	35,800	3930	.77 .91 1.00
	1500	42,800	3320	.76 .90 1.00	40,900	3550	.77 .92 1.00	39,100	3780	.79 .94 1.00	37,100	4000	.81 .96 1.00
67	1000	41,200	3270	.56 .67 .77	39,600	3500	.56 .68 .79	37,900	3730	.57 .69 .80	36,100	3950	.58 .70 .82
	1250	43,600	3340	.58 .70 .82	41,700	3580	.58 .71 .84	39,800	3810	.59 .73 .86	37,900	4040	.60 .74 .88
	1500	45,100	3400	.60 .74 .87	43,200	3640	.61 .75 .89	41,200	3870	.62 .77 .91	39,100	4110	.63 .78 .93
71	1000	43,600	3340	.43 .54 .64	41,800	3590	.43 .54 .65	40,100	3820	.44 .55 .66	38,200	4060	.44 .56 .67
	1250	45,900	3420	.44 .56 .68	44,100	3670	.44 .57 .69	42,100	3910	.45 .58 .70	40,100	4150	.45 .59 .72
	1500	47,600	3480	.45 .58 .71	45,600	3730	.45 .59 .73	43,600	3980	.46 .60 .74	41,500	4220	.46 .61 .76

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

HS24-461-463 WITH C16-46FF OR C16-46WFF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1200	41,100	3260	.72 .85 .96	39,300	3490	.73 .86 .98	37,400	3710	.74 .88 .99	35,600	3920	.76 .91 1.00
	1450	42,800	3320	.75 .90 1.00	40,900	3550	.77 .92 1.00	39,000	3780	.78 .93 1.00	37,000	4000	.80 .96 1.00
	1700	44,100	3360	.79 .94 1.00	42,200	3600	.80 .96 1.00	40,100	3830	.82 .98 1.00	38,200	4050	.84 .99 1.00
67	1200	43,500	3340	.57 .69 .81	41,700	3580	.58 .71 .83	39,800	3810	.59 .72 .85	37,900	4040	.60 .73 .87
	1450	45,200	3400	.59 .73 .86	43,300	3640	.60 .74 .88	41,300	3880	.61 .76 .90	39,200	4110	.62 .78 .92
	1700	46,600	3440	.61 .76 .91	44,500	3690	.62 .78 .93	42,400	3930	.63 .80 .95	40,300	4160	.65 .82 .97
71	1200	45,900	3420	.44 .56 .67	44,000	3670	.44 .56 .68	42,100	3910	.44 .57 .69	40,100	4150	.44 .58 .71
	1450	47,700	3480	.44 .58 .70	45,700	3730	.45 .59 .72	43,700	3980	.45 .60 .73	41,600	4230	.45 .61 .75
	1700	49,100	3530	.45 .60 .74	47,000	3780	.46 .61 .75	44,900	4030	.46 .62 .77	42,700	4280	.47 .63 .79

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-461-463 WITH CH16-41FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1200	41,400	3280	.73 .86 .97	39,700	3510	.74 .87 .99	38,000	3730	.75 .89 1.00	36,100	3950	.77 .91 1.00		
	1500	43,500	3340	.77 .92 1.00	41,600	3580	.78 .93 1.00	39,700	3810	.80 .95 1.00	37,800	4040	.82 .97 1.00		
	1800	44,900	3390	.82 .97 1.00	43,200	3630	.83 .98 1.00	41,200	3870	.85 1.00 1.00	39,200	4110	.87 1.00 1.00		
67	1200	44,100	3360	.58 .70 .82	42,300	3600	.58 .71 .84	40,400	3840	.59 .72 .86	38,400	4060	.60 .74 .88		
	1500	46,100	3430	.60 .74 .88	44,000	3670	.61 .76 .90	41,900	3910	.62 .78 .92	40,000	4150	.63 .80 .94		
	1800	47,500	3470	.63 .79 .94	45,500	3720	.64 .81 .95	43,300	3970	.65 .82 .97	41,200	4210	.66 .84 .99		
71	1200	46,700	3450	.44 .56 .67	44,800	3700	.44 .56 .69	42,800	3950	.44 .57 .70	40,800	4190	.45 .58 .71		
	1500	48,700	3510	.45 .59 .72	46,700	3770	.45 .60 .74	44,600	4020	.46 .61 .75	42,400	4270	.46 .62 .77		
	1800	50,100	3560	.46 .62 .77	48,000	3820	.47 .63 .79	45,800	4070	.47 .64 .80	43,500	4320	.48 .65 .82		

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

HS24-461-463 WITH C16-51FF/FC OR CR16-51FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1200	41,400	3280	.73 .86 .97	39,800	3510	.74 .88 .98	37,900	3730	.75 .89 1.00	36,000	3950	.77 .91 1.00		
	1450	43,300	3340	.76 .91 1.00	41,400	3570	.78 .92 1.00	39,500	3800	.79 .94 1.00	37,600	4020	.81 .96 1.00		
	1700	44,700	3380	.80 .95 1.00	42,900	3620	.81 .96 1.00	40,800	3860	.83 .98 1.00	38,900	4090	.85 1.00 1.00		
67	1200	44,000	3360	.58 .70 .82	42,100	3600	.58 .71 .84	40,200	3830	.59 .73 .86	38,200	4060	.60 .74 .88		
	1450	45,700	3420	.60 .74 .88	43,800	3660	.61 .75 .89	41,700	3900	.62 .77 .91	39,600	4130	.63 .79 .93		
	1700	47,000	3460	.62 .77 .92	45,000	3700	.63 .79 .94	42,800	3950	.64 .81 .96	40,600	4180	.65 .83 .97		
71	1200	46,300	3440	.44 .56 .67	44,400	3680	.44 .57 .69	42,500	3930	.44 .57 .70	40,400	4170	.45 .58 .71		
	1450	48,100	3490	.45 .58 .71	46,100	3750	.45 .59 .73	44,000	4000	.45 .60 .74	41,900	4240	.46 .61 .76		
	1700	49,500	3540	.46 .61 .75	47,400	3790	.46 .62 .77	45,300	4050	.47 .63 .78	43,000	4300	.47 .64 .81		

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

HS24-461-463 WITH CB19-41 OR CBH19-41 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1050	40,500	3250	.71 .84 .95	38,800	3470	.73 .86 .97	37,000	3690	.74 .88 .98	35,300	3910	.75 .89 1.00		
	1325	42,800	3320	.76 .90 1.00	41,000	3550	.77 .92 1.00	39,100	3780	.79 .94 1.00	37,200	4000	.81 .96 1.00		
	1600	44,500	3370	.80 .95 1.00	42,600	3620	.82 .97 1.00	40,800	3850	.84 .98 1.00	38,800	4080	.86 1.00 1.00		
67	1050	42,900	3320	.57 .69 .81	41,100	3560	.58 .70 .82	39,300	3790	.58 .71 .84	37,400	4010	.59 .73 .86		
	1325	45,200	3400	.60 .74 .87	43,300	3640	.60 .75 .89	41,200	3880	.61 .77 .91	39,200	4110	.62 .78 .93		
	1600	46,700	3450	.62 .78 .92	44,700	3690	.63 .80 .94	42,600	3940	.64 .82 .96	40,500	4170	.66 .84 .98		
71	1050	45,200	3400	.43 .55 .66	43,400	3640	.43 .56 .67	41,500	3890	.44 .57 .69	39,600	4130	.44 .57 .70		
	1325	47,500	3480	.44 .58 .71	45,600	3730	.45 .59 .72	43,600	3980	.45 .60 .74	41,500	4220	.45 .61 .76		
	1600	49,200	3530	.45 .61 .76	47,100	3780	.46 .62 .77	45,000	4040	.46 .63 .79	42,700	4290	.47 .65 .82		

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

HS24-461-463 WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1200	42,400	3310	.72 .86 .97	40,600	3540	.74 .87 .99	38,700	3770	.75 .89 1.00	36,800	3980	.77 .91 1.00		
	1450	44,100	3360	.76 .91 1.00	42,200	3600	.78 .93 1.00	40,200	3830	.79 .95 1.00	38,200	4060	.81 .97 1.00		
	1700	45,400	3410	.80 .95 1.00	43,500	3650	.82 .97 1.00	41,700	3890	.84 .99 1.00	39,600	4120	.86 1.00 1.00		
67	1200	45,100	3390	.57 .70 .82	43,200	3640	.58 .71 .84	41,200	3870	.59 .72 .86	39,200	4100	.60 .74 .88		
	1450	46,800	3450	.60 .74 .87	44,800	3700	.60 .75 .89	42,700	3940	.61 .77 .91	40,400	4180	.63 .79 .94		
	1700	48,000	3490	.62 .78 .92	45,900	3740	.63 .79 .94	43,900	3990	.64 .82 .96	41,600	4230	.65 .84 .98		
71	1200	47,700	3480	.44 .56 .67	45,700	3730	.44 .56 .68	43,700	3980	.44 .57 .70	41,600	4230	.45 .58 .71		
	1450	49,500	3540	.45 .58 .71	47,400	3790	.45 .59 .73	45,200	4050	.45 .60 .74	43,000	4300	.46 .61 .76		
	1700	50,700	3580	.45 .61 .75	48,600	3840	.46 .62 .77	46,400	4100	.46 .63 .79	44,000	4350	.47 .64 .81		

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-461-463 WITH C14-41FF/FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1200	43,200	3330	.74 .88 .99	41,400	3570	.75 .90 1.00	39,400	3800	.77 .92 1.00	37,500	4020	.79 .94 1.00		
	1450	45,000	3390	.78 .94 1.00	43,100	3630	.80 .96 1.00	41,100	3870	.82 .98 1.00	39,100	4110	.84 1.00 1.00		
	1700	46,500	3450	.83 .99 1.00	44,700	3690	.85 1.00 1.00	42,700	3940	.87 1.00 1.00	40,900	4190	.89 1.00 1.00		
67	1200	45,800	3420	.58 .71 .85	43,900	3660	.59 .73 .86	41,900	3900	.60 .74 .88	39,800	4140	.61 .76 .91		
	1450	47,500	3470	.61 .76 .91	45,500	3720	.62 .78 .93	43,300	3970	.63 .80 .95	41,200	4210	.64 .82 .97		
	1700	48,600	3520	.64 .81 .96	46,700	3770	.65 .83 .98	44,400	4020	.66 .85 1.00	42,200	4260	.68 .87 1.00		
71	1200	48,500	3510	.44 .57 .69	46,500	3760	.44 .57 .70	44,400	4010	.44 .58 .72	42,200	4260	.45 .59 .73		
	1450	50,200	3560	.45 .60 .74	48,100	3820	.45 .61 .75	45,900	4080	.46 .62 .77	43,500	4330	.46 .63 .79		
	1700	51,400	3600	.46 .63 .79	49,200	3860	.46 .64 .81	46,900	4120	.47 .65 .83	44,500	4380	.48 .67 .85		

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

HS24-461-463 WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1050	42,100	3300	.71 .84 .95	40,400	3530	.72 .85 .97	38,500	3750	.74 .87 .99	36,600	3970	.75 .89 1.00		
	1325	44,400	3380	.76 .90 1.00	42,600	3610	.77 .92 1.00	40,600	3850	.79 .94 1.00	38,600	4070	.81 .96 1.00		
	1600	46,200	3430	.80 .96 1.00	44,200	3680	.82 .98 1.00	42,300	3920	.84 .99 1.00	40,300	4170	.87 1.00 1.00		
67	1050	44,500	3380	.57 .68 .80	42,700	3620	.57 .70 .82	40,800	3860	.58 .71 .83	38,900	4090	.59 .72 .86		
	1325	46,900	3460	.59 .73 .87	44,900	3700	.60 .75 .89	42,900	3950	.61 .76 .91	40,700	4180	.62 .78 .93		
	1600	48,700	3510	.62 .78 .93	46,500	3760	.63 .80 .95	44,300	4010	.64 .82 .97	41,900	4250	.66 .84 .99		
71	1050	47,000	3460	.43 .55 .66	45,000	3710	.43 .56 .67	43,100	3960	.43 .56 .68	41,000	4200	.44 .57 .70		
	1325	49,400	3540	.44 .58 .71	47,300	3790	.44 .59 .72	45,200	4050	.45 .60 .74	43,000	4300	.45 .61 .76		
	1600	51,000	3590	.45 .61 .76	48,900	3850	.46 .62 .77	46,600	4110	.46 .63 .79	44,300	4360	.47 .65 .82		

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

HS24-511-513 WITH C16-51FF/FC OR CR16-51FF EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1400	48,000	3980	.72 .85 .96	45,400	4260	.73 .87 .98	43,000	4520	.75 .89 .99	40,300	4740	.77 .91 1.00		
	1700	50,200	4040	.75 .90 1.00	47,600	4330	.77 .92 1.00	44,900	4600	.79 .94 1.00	42,100	4840	.81 .96 1.00		
	2000	52,000	4100	.79 .94 1.00	49,200	4390	.81 .96 1.00	46,400	4670	.83 .98 1.00	43,700	4920	.85 1.00 1.00		
67	1400	51,000	4070	.57 .69 .81	48,400	4360	.58 .71 .83	45,700	4640	.59 .72 .85	42,900	4880	.60 .74 .88		
	1700	53,200	4130	.59 .73 .86	50,400	4440	.60 .74 .88	47,500	4720	.62 .76 .91	44,500	4970	.63 .79 .93		
	2000	54,900	4180	.61 .76 .90	51,900	4490	.63 .78 .93	48,900	4780	.64 .80 .95	45,700	5040	.65 .83 .97		
71	1400	53,800	4150	.44 .55 .67	51,100	4460	.44 .56 .68	48,300	4750	.44 .57 .70	45,400	5020	.45 .59 .72		
	1700	56,200	4220	.45 .58 .70	53,300	4540	.45 .59 .72	50,300	4840	.45 .60 .74	47,200	5110	.46 .61 .76		
	2000	57,900	4270	.45 .60 .74	54,900	4590	.46 .61 .76	51,800	4900	.47 .63 .78	48,500	5180	.47 .64 .80		

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

HS24-511-513 WITH C16-65, C16-65FC OR CR16-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)													
		85			95			105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)		
				75 80 85			75 80 85			75 80 85			75 80 85		
63	1500	52,200	4110	.75 .88 1.00	49,400	4400	.76 .91 1.00	46,500	4680	.78 .94 1.00	43,700	4920	.81 .96 1.00		
	1800	54,300	4170	.79 .94 1.00	51,400	4470	.81 .97 1.00	48,500	4770	.84 .99 1.00	45,600	5040	.86 1.00 1.00		
	2100	56,100	4220	.84 .99 1.00	53,200	4540	.86 1.00 1.00	50,600	4850	.88 1.00 1.00	47,700	5130	.91 1.00 1.00		
67	1500	55,400	4200	.58 .72 .85	52,500	4510	.59 .74 .87	49,500	4800	.61 .76 .90	46,200	5060	.62 .78 .93		
	1800	57,500	4260	.61 .76 .91	54,300	4570	.62 .78 .94	51,100	4870	.64 .81 .96	47,900	5140	.65 .84 .99		
	2100	58,900	4300	.64 .81 .96	55,800	4620	.65 .83 .98	52,400	4930	.67 .86 1.00	49,000	5200	.69 .89 1.00		
71	1500	58,800	4290	.44 .57 .69	55,700	4620	.44 .58 .71	52,500	4930	.45 .59 .73	49,200	5220	.45 .60 .75		
	1800	60,900	4350	.45 .60 .74	57,600	4680	.45 .61 .76	54,200	5000	.46 .62 .78	50,800	5290	.47 .64 .81		
	2100	62,500	4390	.46 .63 .78	59,100	4730	.46 .64 .81	55,500	5050	.47 .66 .84	51,900	5350	.48 .68 .86		

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-511-513 WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1400	47,300	4010	.72 .85 .96	45,000	4290	.73 .87 .98	42,400	4550	.75 .89 1.00	39,900	4780	.77 .92 1.00
	1700	49,400	4070	.75 .90 1.00	46,900	4360	.77 .92 1.00	44,200	4630	.79 .95 1.00	41,400	4880	.82 .97 1.00
	2000	51,100	4120	.79 .94 1.00	48,300	4420	.81 .97 1.00	45,600	4700	.84 .99 1.00	43,000	4950	.86 1.00 1.00
67	1400	50,500	4100	.57 .69 .81	48,000	4400	.58 .71 .83	45,300	4680	.59 .72 .86	42,500	4930	.60 .74 .88
	1700	52,600	4170	.59 .73 .86	49,900	4470	.60 .75 .89	47,000	4760	.61 .77 .91	44,000	5020	.63 .79 .94
	2000	54,200	4210	.61 .77 .91	51,200	4520	.63 .79 .93	48,200	4820	.64 .81 .96	45,300	5080	.66 .84 .99
71	1400	53,600	4190	.44 .55 .66	50,900	4510	.44 .56 .68	48,100	4810	.44 .57 .70	45,200	5080	.45 .58 .71
	1700	55,800	4260	.44 .58 .70	52,900	4580	.45 .59 .72	50,000	4890	.45 .60 .74	46,800	5170	.46 .61 .76
	2000	57,400	4310	.45 .60 .74	54,400	4630	.46 .61 .76	51,300	4950	.46 .63 .78	48,100	5240	.47 .64 .81

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

HS24-511-513 WITH CH20-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1200	47,900	3980	.69 .80 .91	45,600	4260	.70 .82 .93	43,100	4520	.71 .83 .95	40,600	4760	.73 .86 .00
	1600	51,300	4080	.73 .86 .98	48,700	4380	.74 .88 1.00	46,000	4650	.76 .91 1.00	43,000	4900	.78 .94 1.00
	2000	53,600	4150	.77 .92 1.00	50,800	4450	.79 .94 1.00	48,200	4730	.81 .97 1.00	44,900	4990	.83 .99 1.00
67	1200	50,700	4060	.55 .66 .76	48,300	4360	.56 .67 .78	45,800	4640	.57 .68 .80	43,100	4890	.57 .70 .82
	1600	54,300	4170	.58 .70 .83	51,600	4480	.58 .72 .85	48,800	4770	.60 .73 .87	45,900	5040	.61 .76 .90
	2000	56,700	4240	.60 .75 .89	53,800	4560	.61 .76 .91	50,800	4860	.63 .78 .94	47,700	5130	.64 .81 .97
71	1200	53,500	4140	.43 .53 .63	51,000	4450	.43 .54 .64	48,300	4750	.43 .55 .66	45,600	5030	.43 .56 .67
	1600	57,200	4250	.44 .56 .68	54,400	4570	.44 .57 .69	51,500	4880	.45 .58 .71	48,300	5170	.45 .59 .73
	2000	59,700	4320	.45 .59 .72	56,600	4650	.46 .60 .74	53,400	4970	.46 .61 .76	50,100	5270	.46 .63 .78

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

HS24-511-513 WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1400	48,900	4050	.72 .85 .97	46,300	4340	.73 .87 .99	43,800	4610	.75 .89 1.00	41,200	4840	.78 .92 1.00
	1700	51,100	4110	.76 .90 1.00	48,500	4410	.78 .92 1.00	45,600	4690	.80 .95 1.00	42,800	4940	.82 .98 1.00
	2000	52,700	4160	.80 .95 1.00	50,100	4470	.82 .97 1.00	47,200	4760	.84 .99 1.00	44,400	5030	.86 1.00 1.00
67	1400	52,000	4140	.57 .69 .82	49,400	4440	.58 .71 .83	46,600	4730	.59 .72 .85	43,800	4990	.60 .74 .88
	1700	54,200	4210	.59 .73 .86	51,300	4520	.60 .75 .89	48,700	4810	.61 .77 .91	45,500	5090	.63 .79 .94
	2000	56,100	4260	.61 .77 .91	53,000	4580	.63 .79 .94	49,900	4880	.64 .81 .96	46,700	5150	.66 .84 .99
71	1400	55,300	4240	.44 .55 .67	52,500	4560	.44 .56 .68	49,600	4860	.44 .57 .70	46,800	5140	.45 .58 .72
	1700	57,600	4300	.44 .58 .70	54,600	4630	.45 .59 .72	51,500	4940	.45 .60 .75	48,300	5240	.46 .61 .77
	2000	59,300	4350	.45 .60 .75	56,100	4680	.46 .61 .77	52,900	5000	.46 .63 .79	49,600	5300	.47 .64 .81

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

HS24-511-513 WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1400	51,900	4050	.73 .86 .98	49,200	4340	.75 .89 1.00	46,600	4610	.76 .91 1.00	43,700	4850	.78 .94 1.00
	1700	54,400	4120	.77 .92 1.00	51,600	4420	.79 .94 1.00	48,700	4700	.81 .97 1.00	45,700	4960	.84 .99 1.00
	2000	56,300	4180	.81 .96 1.00	53,400	4490	.83 .98 1.00	50,500	4780	.86 1.00 1.00	47,700	5050	.89 1.00 1.00
67	1400	55,100	4140	.58 .71 .83	52,300	4450	.59 .72 .85	49,300	4730	.60 .74 .88	46,300	4990	.61 .76 .90
	1700	57,400	4210	.60 .75 .88	54,400	4520	.61 .76 .91	51,300	4810	.63 .79 .93	48,000	5080	.64 .81 .96
	2000	59,300	4260	.63 .79 .93	56,000	4580	.64 .81 .96	52,600	4870	.66 .83 .98	49,300	5140	.67 .86 1.00
71	1400	58,200	4230	.44 .56 .68	55,300	4550	.44 .57 .69	52,200	4850	.44 .58 .71	49,000	5130	.44 .59 .73
	1700	60,600	4290	.44 .59 .72	57,500	4620	.45 .60 .74	54,200	4940	.45 .61 .76	50,900	5220	.46 .63 .79
	2000	62,400	4340	.45 .61 .76	59,100	4680	.46 .63 .78	55,800	5000	.47 .64 .81	52,200	5290	.47 .66 .84

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-511-513 WITH CH20-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		85						95						105						115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)						
				75	80	85			75	80	85			75	80	85			75	80	85	75	80	85	
63	1700	53,400	4140	.74	.88	1.00	50,600	4440	.76	.90	1.00	47,700	4730	.78	.93	1.00	45,000	4990	.80	.96	1.00				
	2000	55,100	4190	.77	.93	1.00	52,500	4500	.79	.95	1.00	49,100	4780	.81	.98	1.00	46,200	5080	.84	1.00	1.00				
	2300	56,800	4230	.80	.96	1.00	53,500	4540	.82	.99	1.00	50,400	4840	.85	1.00	1.00	47,600	5130	.88	1.00	1.00				
67	1700	56,600	4230	.58	.72	.85	53,700	4550	.59	.73	.87	50,700	4850	.60	.75	.89	47,600	5130	.62	.77	.92				
	2000	58,400	4280	.60	.75	.89	55,400	4610	.61	.77	.92	52,200	4920	.63	.79	.94	48,900	5200	.64	.81	.98				
	2300	59,800	4320	.62	.78	.93	56,600	4650	.63	.80	.96	53,300	4970	.65	.83	.98	49,900	5260	.67	.85	1.00				
71	1700	59,600	4310	.44	.57	.69	56,600	4650	.44	.58	.71	53,500	4970	.45	.59	.72	50,300	5270	.45	.60	.75				
	2000	61,500	4360	.44	.59	.72	58,300	4710	.45	.60	.74	55,000	5040	.46	.61	.76	51,600	5340	.46	.63	.79				
	2300	62,900	4400	.45	.61	.76	59,600	4750	.46	.62	.78	56,200	5090	.47	.64	.80	52,700	5400	.47	.65	.83				

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

HS24-511-513 WITH C14-65 OR C14-65FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85						95					105					115			
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	1500	52,200	4110	.75	.88	1.00	49,400	4400	.76	.91	1.00	46,500	4680	.78	.94	1.00	43,700	4920	.81	.96	1.00
	1800	54,300	4170	.79	.94	1.00	51,400	4470	.81	.97	1.00	48,500	4770	.84	.99	1.00	45,600	5040	.86	1.00	1.00
	2100	56,100	4220	.84	.99	1.00	53,200	4540	.86	1.00	1.00	50,600	4850	.88	1.00	1.00	47,700	5130	.91	1.00	1.00
67	1500	55,400	4200	.58	.72	.85	52,500	4510	.59	.74	.87	49,500	4800	.61	.76	.90	46,200	5060	.62	.78	.93
	1800	57,500	4260	.61	.76	.91	54,300	4570	.62	.78	.94	51,100	4870	.64	.81	.96	47,900	5140	.65	.84	.99
	2100	58,900	4300	.64	.81	.96	55,800	4620	.65	.83	.98	52,400	4930	.67	.86	1.00	49,000	5200	.69	.89	1.00
71	1500	58,800	4290	.44	.57	.69	55,700	4620	.44	.58	.71	52,500	4930	.45	.59	.73	49,200	5220	.45	.60	.75
	1800	60,900	4350	.45	.60	.74	57,600	4680	.45	.61	.76	54,200	5000	.46	.62	.78	50,800	5290	.47	.64	.81
	2100	62,500	4390	.46	.63	.78	59,100	4730	.46	.64	.81	55,500	5050	.47	.66	.84	51,900	5350	.48	.68	.86

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

HS24-511-513 WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85					95					105					115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)		
				75	80	85			75	80	85			75	80	85			75	80	85
63	1400	55,200	4140	.71	.84	.96	52,300	4450	.73	.86	.98	49,200	4730	.74	.89	1.00	46,200	4990	.76	.91	1.00
	1700	57,700	4210	.75	.89	1.00	54,700	4530	.77	.92	1.00	51,500	4820	.79	.94	1.00	48,200	5090	.81	.97	1.00
	2000	59,700	4260	.79	.94	1.00	56,200	4580	.81	.97	1.00	53,200	4890	.83	.99	1.00	50,100	5180	.86	1.00	1.00
67	1400	58,300	4230	.57	.69	.80	55,400	4550	.58	.70	.82	52,200	4850	.59	.72	.85	49,000	5130	.60	.74	.88
	1700	61,100	4300	.59	.73	.86	57,900	4630	.60	.74	.88	54,500	4940	.61	.76	.91	51,100	5230	.62	.79	.94
	2000	63,200	4350	.61	.76	.91	59,700	4690	.62	.78	.94	56,100	5010	.64	.80	.97	52,500	5300	.65	.84	.99
71	1400	61,400	4310	.44	.55	.66	58,300	4650	.44	.56	.67	55,000	4970	.44	.57	.69	51,700	5270	.44	.58	.71
	1700	64,000	4380	.44	.58	.70	60,800	4730	.45	.59	.72	57,500	5060	.45	.60	.74	53,700	5370	.46	.61	.76
	2000	66,300	4430	.45	.60	.74	62,800	4790	.46	.61	.76	59,100	5130	.46	.62	.78	55,200	5440	.47	.64	.81

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

HS24-651-653 WITH C16-65, C16-65FC OR CR16-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		85						95						105			115				
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)							
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)							
				75	80	85			75	80	85			75	80	85	75	80	85		
63	1700	61,000	4880	.72	.84	.95	58,400	5230	.73	.86	.97	55,900	5570	.74	.88	.98	53,100	5900	.75	.90	1.00
	2000	63,200	4950	.74	.88	.99	60,600	5300	.76	.90	1.00	57,900	5660	.77	.92	1.00	55,100	6000	.79	.94	1.00
	2300	65,100	5010	.77	.92	1.00	62,400	5370	.79	.94	1.00	59,700	5730	.80	.95	1.00	56,600	6070	.82	.97	1.00
67	1700	64,600	4990	.57	.69	.81	62,000	5350	.58	.70	.82	59,200	5710	.58	.71	.84	56,400	6060	.59	.73	.86
	2000	66,900	5070	.59	.72	.85	64,200	5430	.60	.73	.87	61,300	5800	.60	.75	.89	58,300	6150	.61	.76	.90
	2300	68,700	5120	.61	.75	.89	65,900	5490	.61	.76	.90	62,800	5860	.62	.78	.92	59,700	6230	.64	.80	.94
71	1700	68,000	5100	.44	.55	.66	65,400	5480	.44	.56	.68	62,600	5850	.44	.57	.69	59,600	6220	.45	.58	.70
	2000	70,400	5180	.44	.57	.70	67,600	5560	.45	.58	.71	64,700	5940	.45	.59	.72	61,600	6320	.45	.60	.74
	2300	72,300	5240	.45	.59	.72	69,400	5620	.45	.60	.74	66,300	6010	.46	.61	.75	63,200	6390	.46	.62	.77

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-651-653 WITH CH20-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1200	56,000	4730	.67 .76 .86	53,900	5070	.67 .78 .88	51,600	5410	.68 .79 .89	49,300	5730	.69 .80 .91
	1600	60,400	4880	.70 .81 .93	58,000	5220	.71 .83 .95	55,500	5570	.72 .84 .96	52,800	5910	.73 .86 .99
	2000	63,400	4970	.73 .86 .99	60,900	5330	.74 .88 .00	58,100	5680	.76 .90 1.00	55,300	6030	.77 .92 1.00
67	1200	59,200	4840	.54 .64 .73	57,000	5180	.54 .64 .74	54,600	5530	.55 .65 .75	52,200	5880	.55 .66 .77
	1600	63,800	4980	.56 .67 .78	61,300	5350	.56 .68 .79	58,700	5710	.57 .69 .81	56,000	6060	.58 .70 .83
	2000	66,900	5080	.58 .71 .83	64,300	5450	.58 .72 .85	61,500	5820	.59 .73 .86	58,600	6190	.60 .75 .89
71	1200	62,300	4930	.42 .52 .61	60,000	5300	.42 .52 .62	57,600	5660	.43 .53 .63	55,100	6020	.43 .53 .63
	1600	67,100	5090	.43 .54 .65	64,500	5460	.43 .55 .65	61,900	5840	.43 .55 .67	59,100	6210	.44 .56 .68
	2000	70,300	5190	.44 .56 .68	67,500	5570	.44 .57 .69	64,700	5960	.44 .58 .71	61,700	6340	.45 .59 .72

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

HS24-651-653 WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1700	62,200	4930	.72 .85 .96	59,600	5280	.73 .86 .98	57,000	5630	.74 .88 .99	54,300	5980	.76 .90 1.00
	2000	64,500	5000	.75 .89 1.00	61,800	5360	.76 .90 1.00	59,100	5720	.78 .92 1.00	56,200	6070	.80 .95 1.00
	2300	66,400	5060	.78 .93 1.00	63,800	5420	.80 .94 1.00	60,600	5790	.81 .96 1.00	57,600	6150	.83 .98 1.00
67	1700	66,000	5050	.57 .69 .81	63,300	5420	.58 .70 .83	60,600	5790	.58 .72 .84	57,600	6140	.59 .73 .86
	2000	68,300	5120	.59 .72 .85	65,400	5500	.60 .74 .87	62,400	5870	.60 .75 .89	59,600	6240	.61 .77 .91
	2300	69,900	5180	.61 .75 .89	67,300	5560	.61 .77 .91	64,200	5940	.63 .79 .93	61,000	6310	.64 .80 .96
71	1700	70,000	5180	.44 .55 .67	67,100	5560	.44 .56 .68	64,300	5940	.44 .57 .69	61,300	6320	.44 .58 .70
	2000	72,200	5250	.44 .57 .70	69,300	5640	.45 .58 .71	66,300	6030	.45 .59 .73	63,100	6410	.45 .60 .75
	2300	74,100	5300	.45 .59 .73	71,000	5700	.46 .60 .74	67,900	6090	.46 .61 .76	64,500	6480	.46 .62 .78

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

HS24-651-653 WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1500	61,200	4890	.71 .83 .94	58,700	5230	.72 .84 .96	56,000	5580	.73 .86 .98	53,200	5910	.75 .88 .99
	1750	63,500	4960	.74 .87 .98	60,700	5310	.75 .89 .99	58,100	5670	.76 .90 1.00	55,300	6010	.78 .92 1.00
	2000	65,300	5020	.76 .91 1.00	62,700	5380	.78 .92 1.00	59,800	5740	.79 .94 1.00	57,000	6090	.81 .96 1.00
67	1500	64,700	5000	.56 .68 .80	62,200	5360	.57 .69 .81	59,500	5720	.58 .70 .83	56,600	6070	.59 .72 .85
	1750	67,100	5070	.58 .71 .84	64,300	5440	.59 .72 .85	61,500	5810	.60 .74 .87	58,500	6170	.61 .75 .89
	2000	68,800	5130	.60 .74 .87	66,100	5500	.61 .75 .89	63,100	5870	.61 .77 .91	60,000	6240	.63 .79 .93
71	1500	68,200	5110	.43 .55 .66	65,500	5480	.43 .55 .67	62,700	5860	.44 .56 .68	59,800	6230	.44 .57 .69
	1750	70,700	5180	.44 .56 .69	67,800	5570	.44 .57 .70	64,900	5950	.44 .58 .71	61,800	6330	.44 .59 .73
	2000	72,500	5240	.44 .58 .71	69,600	5630	.45 .59 .73	66,600	6020	.45 .60 .74	63,400	6400	.45 .61 .76

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

HS24-651-653 WITH CH20-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)											
		85			95			105			115		
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)	Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)
				75 80 85			75 80 85			75 80 85			75 80 85
63	1700	63,300	4970	.71 .83 .95	60,700	5320	.72 .84 .96	58,000	5680	.73 .86 .99	55,200	6030	.74 .88 1.00
	2000	65,400	5040	.73 .87 .99	62,800	5400	.74 .88 1.00	60,000	5760	.76 .90 1.00	57,000	6120	.77 .93 1.00
	2300	67,200	5090	.76 .90 1.00	64,400	5460	.77 .92 1.00	61,400	5830	.79 .94 1.00	58,700	6190	.80 .96 1.00
67	1700	66,800	5080	.56 .68 .79	64,200	5450	.57 .69 .81	61,400	5820	.58 .70 .83	58,600	6190	.58 .72 .84
	2000	69,100	5150	.58 .71 .83	66,400	5530	.58 .72 .85	63,500	5910	.59 .73 .87	60,500	6290	.60 .75 .89
	2300	71,000	5210	.59 .73 .87	68,100	5590	.60 .75 .89	65,100	5980	.61 .76 .91	62,000	6360	.62 .78 .93
71	1700	70,200	5180	.43 .55 .66	67,500	5570	.43 .55 .67	64,700	5960	.43 .56 .68	61,800	6350	.44 .57 .69
	2000	72,600	5260	.44 .56 .68	69,800	5650	.44 .57 .69	66,800	6050	.44 .58 .71	63,700	6440	.44 .59 .72
	2300	74,500	5320	.44 .58 .71	71,500	5720	.44 .59 .72	68,500	6120	.45 .60 .74	65,200	6510	.45 .61 .76

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

RATINGS

NOTE — To determine Sensible Capacity, Leaving Wet and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS24-651-653 WITH C14-65 OR C14-65FC EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		85						95						105						115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)						
				75	80	85			75	80	85			75	80	85			75	80	85	75	80	85	
63	1700	64,300	4990	.73	.87	.98	61,700	5340	.74	.88	.99	58,900	5700	.76	.90	1.00	56,000	6040	.77	.92	1.00				
	2000	66,700	5060	.77	.91	1.00	63,900	5420	.78	.93	1.00	60,800	5790	.80	.95	1.00	57,800	6140	.82	.97	1.00				
	2300	68,500	5120	.80	.96	1.00	65,800	5490	.82	.97	1.00	62,800	5870	.84	.99	1.00	60,000	6230	.86	1.00	1.00				
67	1700	68,300	5110	.58	.70	.83	65,500	5480	.58	.72	.85	62,500	5850	.59	.73	.87	59,400	6210	.60	.75	.89				
	2000	70,500	5180	.60	.74	.88	67,600	5560	.61	.76	.90	64,500	5930	.62	.77	.92	61,100	6300	.63	.79	.94				
	2300	72,300	5230	.62	.78	.93	69,100	5620	.63	.80	.95	66,000	5990	.64	.81	.97	62,700	6370	.65	.84	.99				
71	1700	72,200	5230	.44	.56	.68	69,300	5620	.44	.57	.69	66,200	6000	.44	.58	.70	63,100	6390	.44	.59	.72				
	2000	74,500	5300	.44	.58	.72	71,400	5690	.45	.59	.73	68,300	6090	.45	.60	.75	64,900	6480	.45	.61	.77				
	2300	76,300	5360	.45	.61	.75	73,000	5750	.46	.62	.77	69,800	6150	.46	.63	.79	66,300	6540	.47	.64	.82				

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

HS24-651-653 WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		85						95						105						115					
		Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cool. Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T)						
				Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)					Dry Bulb (°F)						
				75	80	85			75	80	85			75	80	85			75	80	85	75	80	85	
63	1500	64,900	5000	.69	.81	.92	62,300	5360	.70	.82	.94	59,400	5720	.71	.84	.96	56,600	6080	.73	.86	.98				
	1875	68,600	5110	.73	.86	.98	65,600	5490	.74	.88	1.00	62,600	5850	.76	.90	1.00	59,600	6220	.77	.92	1.00				
	2250	71,000	5200	.77	.92	1.00	67,900	5570	.78	.94	1.00	65,000	5950	.80	.96	1.00	61,800	6320	.82	.98	1.00				
67	1500	68,500	5120	.56	.67	.78	65,800	5490	.56	.68	.79	62,900	5870	.57	.69	.80	60,000	6240	.58	.70	.82				
	1875	72,200	5230	.58	.70	.83	69,200	5620	.59	.72	.85	66,200	6000	.59	.73	.87	62,900	6390	.60	.75	.89				
	2250	75,000	5310	.60	.74	.88	71,900	5710	.61	.76	.90	68,600	6100	.62	.77	.92	65,200	6480	.63	.79	.95				
71	1500	72,000	5220	.43	.54	.64	69,200	5610	.43	.54	.65	66,300	6000	.43	.55	.66	63,200	6390	.44	.56	.67				
	1875	75,700	5340	.44	.56	.68	72,600	5740	.44	.57	.69	69,500	6140	.44	.58	.70	66,200	6540	.45	.59	.72				
	2250	78,300	5420	.45	.59	.72	75,200	5830	.45	.59	.73	72,000	6240	.46	.60	.75	68,500	6640	.46	.61	.77				

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