



HS14 POWER SAVER® SERIES
CONDENSING UNITS
***32,800 to 64,500 Btuh Cooling Capacity**
 *ARI Standard 210/240 and DOE Ratings



CERTIFICATION APPLIES ONLY
 WHEN THE COMPLETE
 SYSTEM IS LISTED
 WITH ARI

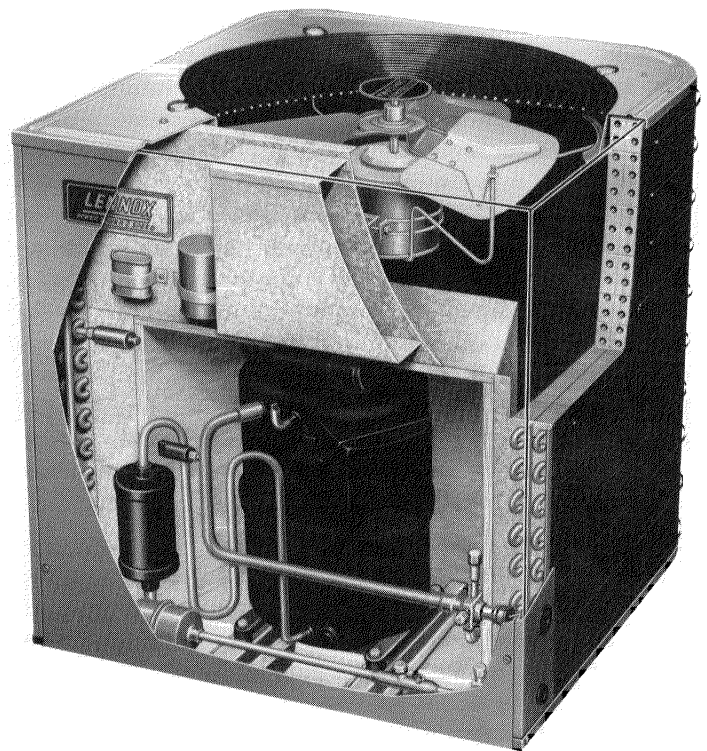


CERTIFICATION APPLIES ONLY
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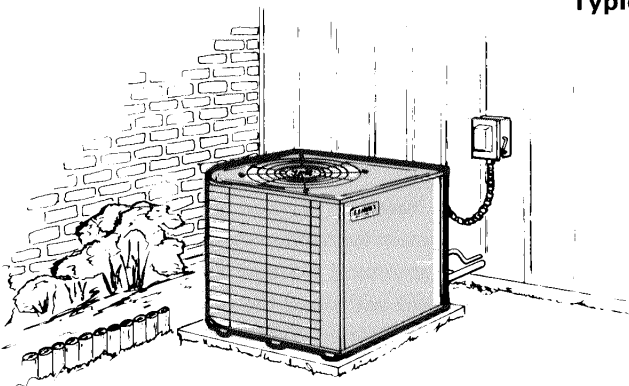
Application — The HS14 POWER SAVER line of remote condensing units offer seasonal energy efficiency ratios (SEER's) of up to 15.5 in 3, 4 and 5 ton sizes with a choice of single or three phase voltage power supply. These super efficient units are equipped with a two-speed compressor staged to deliver the precise cooling capacity desired with minimum operating costs. Compressor operates on low speed under light and medium loads and goes to high speed for heavy cooling loads. Vertical discharge of air allows concealment of the unit among shrubs on a slab at grade level or out of sight on a roof. A variety of matching blower powered or furnace add-on evaporator units provide a wide range of cooling capacities and application versatility. See ARI Ratings table. For evaporator unit data see tab section Coils-Blower Coil Units. Condensing units are shipped factory assembled, piped and wired. In addition, the units are test operated at the factory to ensure dependable, on the job performance. The installer has only to connect the refrigerant lines and make electrical connections.

Approvals — Condensing units have been tested with matching evaporator units 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. In addition, 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.

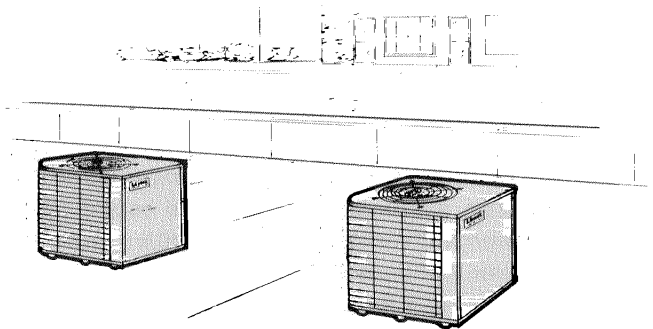
Equipment Warranty — The compressor has a limited warranty for a full ten years in residential installations and five years in non-residential installations. All other components have a limited warranty for one year. Refer to Lennox Equipment Limited Warranty certificate included with the unit for specific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



Typical Applications



Unit on slab at ground level.



Multiple units on rooftop

FEATURES

Durable Steel Cabinet — Heavy gauge galvanized steel cabinet is subject to a five station metal wash process. This preparation process results in a perfect bonding surface for the finish coat of baked-on outdoor enamel. The attractive enamel finish gives the cabinet long lasting protection from the weather. Drainage holes are furnished in base section for moisture removal. Heavy duty steel base channels raise the unit off of the mounting surface away from damaging moisture. A non-corrosive PVC coated steel wire condenser coil guard is furnished on all models.

Accessible Control Box — Large size and conveniently located in the compressor and controls compartment for easy access. All controls are pre-wired at the factory.

Compressor and Controls Compartment — Separate compressor and controls compartment protects all components from weather conditions and keeps sound transmission at a minimum. Large removable access panel is lined with thick fiberglass insulation and provides complete service access.

Efficient Two-Speed Compressor — The two-speed compressor is designed for superior operating efficiency at minimum cost. Two speed operation gives staging control to fit varying cooling load requirements, extends service life of the compressor and provides operation economy during periods of reduced loads. During part load conditions the compressor operates in the low speed mode. Operates at 1750 rpm at low speed and 3500 rpm at high speed. Reliable compressor is hermetically sealed with built-in protection from excessive current and temperatures. Suction cooled and overload protected. Equipped with solid-state motor protection, vertical crankshaft, ringed valves and pistons, tuned discharge muffler, two stage oil pump and positive venting of lube system. Crankcase heater assures proper compressor lubrication. The entire running gear assembly is resiliently suspended internally. In addition, the compressor is installed in the unit on resilient rubber mounts assuring low sound and vibration free operation.

Quiet Condenser Fan — Efficient direct drive fan moves large volumes of air 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 has permanently lubricated ball bearings, is inherently protected and totally enclosed for maximum protection from weather, dust and corrosion. A rain shield on the motor provides additional protection from moisture. Fan service access is accomplished by removal of fan guard. Corrosion resistant PVC coated steel wire fan guard is furnished as standard.

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 in a wrap around "U" shaped configuration providing extra large surface area with low air resistance. Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer. In addition, fins are equipped with collars that grip the tubing for maximum contact area. Precise circuiting provides uniform refrigerant distribution. Flared shoulder tubing connections and silver soldering provide tight, leakproof joints. Long life copper tubing is corrosion-resistant and easy to field service. Coil is thoroughly factory tested under high pressure to insure leakproof construction. Entire coil is accessible for cleaning.

Hi-Capacity Drier — Furnished and factory installed. Drier traps any moisture or dirt that could contaminate the refrigerant system.

High Pressure Switch — Shuts off the unit if abnormal operating conditions cause the discharge pressure to rise above setting. Switch protects the compressor from excessive condensing pressure. Manual reset.

Low Pressure Switch — Shuts off unit if suction pressure falls below setting. Provides loss of charge and freeze-up protection. Automatic reset.

Start Controls — Furnished and factory installed. Provides assistance for compressor start under loaded conditions or in the event of low voltage.

Lennox TSC-2 Timed Start Control Module — Furnished and factory installed. Prevents compressor short-cycling and also allows time for suction and discharge pressure to equalize, permitting the compressor to start in an unloaded condition. Module also provides a time delay between compressor shutoff and start-up and between speed changes.

Refrigerant Line Connections, Electrical Inlets and Service Valves — Suction and liquid lines are stubbed inside the cabinet and are made with sweat connections. Brass service valves prevent corrosion and provide access to refrigerant system. Suction and liquid line service valves and gauge ports are located inside the cabinet. A thermometer well is located in the liquid line to check the refrigerant charge. Refrigerant line and field wiring inlets are all located in one central area of the cabinet. See dimension drawing for location.

Thermostat (Optional) — Thermostat is not furnished with the unit and must be ordered extra. See Accessories Section, Page 13 and Lennox Price Book.

HS14-411V-413V Refrigerant Line Kits (Optional) — Refrigerant lines are available for the HS14-411V-413V models only and must be ordered extra. See refrigerant line kit table. The refrigerant lines (suction & liquid) are shipped refrigeration clean. Lines are cleaned, dried, pressurized and sealed at the factory. Suction line is fully insulated. Lines are furnished with a flare fitting (evaporator unit connection) on one end and less any fitting (stubbed) on the opposite end for connection to the condensing unit.

Indoor Blower Speed Relay Kit (Optional) — Relay kit (72G36) provides optimum humidity control conditions by automatically reducing indoor blower speed during continuous fan or low speed compressor operation. Kit must be ordered extra and field installed.

Expansion Valve Kits (Optional) — Must be ordered extra and field installed on most evaporator units. See ARI Ratings table.

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 below 45°F a Low Ambient Control Kit (LB-57113BC) can be added in the field, enabling it to operate properly down to 0°F.

Mounting Base (Optional) — Rugged MB1-32 mounting base (83C83) provides permanent foundation for condensing units. High density polyethylene structural material is lightweight, sturdy, sound absorbing and will withstand the rigors of the sun, heat, cold, moisture, oil and refrigerant. Will not mildew or rot. Can be shipped singly or in packages of 6 to a carton. Shipping weight 15 lbs. each. Dimensions 32" x 34" x 3".

ARI RATINGS

Condensing Unit Model No. ★ ARI Standard 270 SRN (bels)	*ARI Standard 210/240 Ratings				Evaporator Unit			✧ Expansion Valve Kit
	SEER (Btuh/ Watt)	EER (Btuh/ Watt)	Cooling Capacity (Btuh)	Total Unit Watts	Up-Flo	Down-Flo	Horizontal	
HS14-411V HS14-413V (7.6)	11.85	9.20	32,800	3556	----	CR16-31FF	----	LB-53081CA
	12.05	9.40	33,800	3593	C16-28FF(FC), C16-28WFF(FC) C16-31FF(FC), C16-31WFF(FC)	----	----	
	12.15	9.40	33,800	3593	----	----	CH16-31FF	
	12.70	9.80	35,200	3585	**CB18-31	----	**CBS18-31	
	12.45	9.80	35,800	3652	----	CR16-41FF	----	
	12.45	9.80	35,800	3655	C16-41FF(FC) C16-41WFF(FC)	----	----	
	12.85	9.95	36,000	3610	**CB18-41	----	**CBS18-41	
	12.70	9.90	36,400	3675	----	----	CH16-41FF	
	12.45	9.95	36,600	3680	----	CR16-51FF	----	
	12.45	9.95	36,600	3678	C16-46FF(FC) C16-46WFF(FC)	----	----	
	12.80	10.00	37,000	3705	**CB18-51	----	**CBS18-51	
	12.75	10.05	37,400	3724	----	----	CH16-51FF	
	13.30	10.40	38,000	3698	C14-41FF(FC)	----	----	
	12.90	10.50	38,500	3650	**CB19-31	**CB19-31	**CBH19-31	
	12.95	10.50	39,000	3714	**CB19-41	**CB19-41	**CBH19-41	
15.00	10.80	39,500	3665	**CB21-41	**CB21-41	CBH21-41		
12.50	10.70	40,500	3793	**CB19-51	**CB19-51	**CBH19-51		
15.50	10.80	43,000	3980	**CB21-51	**CB21-51	**CBH21-51		
HS14-511V HS14-513V (7.6)	11.35	9.10	46,500	5110	C16-46FF(FC) C16-46WFF(FC)	----	----	LB-53081CB
	11.65	9.25	47,000	5074	----	CR16-51FF	----	
	11.65	9.25	47,500	5140	----	----	CH16-51FF	
	11.85	9.30	47,500	5104	**CB18-51	----	**CBS18-51	
	11.55	9.40	48,000	5119	C16-51FF(FC)	----	----	
	11.45	9.15	48,500	5307	**CB18-65	----	**CBS18-65	
	11.90	9.50	49,000	5159	C16-65(FC)	CR16-65	----	
	12.55	9.65	49,000	5080	C14-41FF(FC)	----	----	
	12.40	9.50	49,500	5201	C14-65(FC)	----	----	
	12.10	9.55	50,000	5229	----	----	CH16-65V	
	12.50	10.00	51,000	5100	**CB19-51	**CB19-51	**CBH19-51	
	12.30	10.00	53,000	5293	**CB19-65	**CB19-65	**CBH19-65	
13.40	9.70	53,000	5440	**CB21-51	**CB21-51	**CBH21-51		
13.30	9.70	54,000	5550	**CB21-65	**CB21-65	**CBH21-65		
HS14-651V HS14-653V (7.8)	11.10	8.15	55,000	6774	----	----	CH16-51FF	LB-53081CC
	11.40	8.00	55,500	6973	----	CR16-51FF	----	
	11.35	8.25	56,000	6819	C14-41FF(FC)	----	----	
	10.80	8.10	56,500	6993	C16-51FF(FC)	----	----	
	10.80	8.15	58,000	7129	**CB18-51	----	**CBS18-51	
	10.80	8.20	58,000	7079	----	CR16-65FF	----	
	10.90	8.30	59,000	7115	C16-65(FC)	----	----	
	10.85	8.20	59,500	7307	**CB18-65	----	**CBS18-65	
	11.40	8.40	59,500	7072	**CB19-51	**CB19-51	**CBH19-51	
	11.40	8.55	61,500	7236	----	----	CH16-65V	
	11.65	8.60	61,500	7187	C14-65(FC)	----	----	
	12.75	9.10	63,000	6935	**CB21-51	**CB21-51	**CBH21-51	
12.60	8.90	63,500	7152	**CB19-65	**CB19-65	**CBH19-65		
12.65	9.30	64,500	6970	**CB21-65	**CB21-65	**CBH21-65		

NOTE — Shaded area denotes most popular evaporator coil.

★ Sound Rating Number in accordance with ARI Standard 270.

* 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 25 ft. of connecting refrigerant lines.

** Denotes blower powered evaporator.

✧ Kit is optional and must be ordered extra for field installation.

• Furnished as standard with coil.

SPECIFICATIONS

Model No.			HS14-411V-413V	HS14-511V-513V	HS14-651V-653V
Condenser Coil	Net face area (sq. ft.)	Outer coil	18.2	18.2	21.6
		Inner coil	13.1	13.1	14.2
	Tube diameter (in.) & No. of rows		3/8 — 1.75	3/8 — 1.75	3/8 — 1.70
	Fins per inch		20	20	20
Condenser Fan	Diameter (in.) & No. of blades		24 — 3	24 — 3	24 — 4
	Motor hp		1/10	1/6	1/4
	Cfm		2800	3200	4200
	Rpm		830	830	815
	Watts		150	210	310
**Refrigerant — 22 charge furnished			10 lbs. 4 oz.	11 lbs. 1 oz.	13 lbs. 1 oz.
Liquid line (o.d. in.) connection (sweat)			3/8	3/8	3/8
Suction line (o.d. in.) connection (sweat)			7/8	1-1/8	1-1/8
Shipping weight (lbs.)			300	310	340
Number of packages in shipment			1	1	1

**Refrigerant charge is sufficient for 25 ft. length line set.

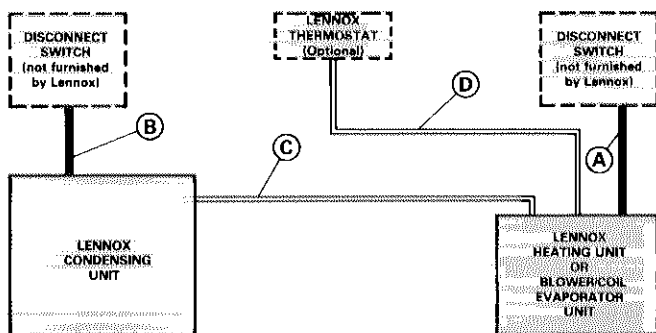
ELECTRICAL DATA

Model No.		HS14-411V	HS14-413V	HS14-511V	HS14-513V	HS14-651V	HS14-653V
Line voltage data		208/230v 60hz/1ph	208/230v 60hz/3ph	208/230v 60hz/1ph	208/230v 60hz/3ph	208/230v 60hz/1ph	208/230v 60hz/3ph
Compressor	Rated load amps	17.6	12.7	21.6	15.8	32.1	22.6
	Power factor	.97	.90	.97	.90	.97	.90
	Locked rotor amps	90.0	60.0	120.0	85.0	165.0	110.0
Condenser Coil Fan Motor	Full load amps	0.7	0.7	1.0	1.0	1.7	1.7
	Locked rotor amps	1.2	1.2	1.9	1.9	2.9	2.9
Recommended maximum fuse or circuit breaker size (amps)		40	25	45	35	60	50
*Minimum circuit ampacity		22.7	15.9	28.0	20.8	41.8	30.0

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

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

FIELD WIRING



A — Two wire power (not furnished)

B — Two or three wire power (not furnished) — see electrical data

C — Three wire low voltage (not furnished) — 18 ga. minimum

D — Six wire low voltage (not furnished) — 18 ga. minimum

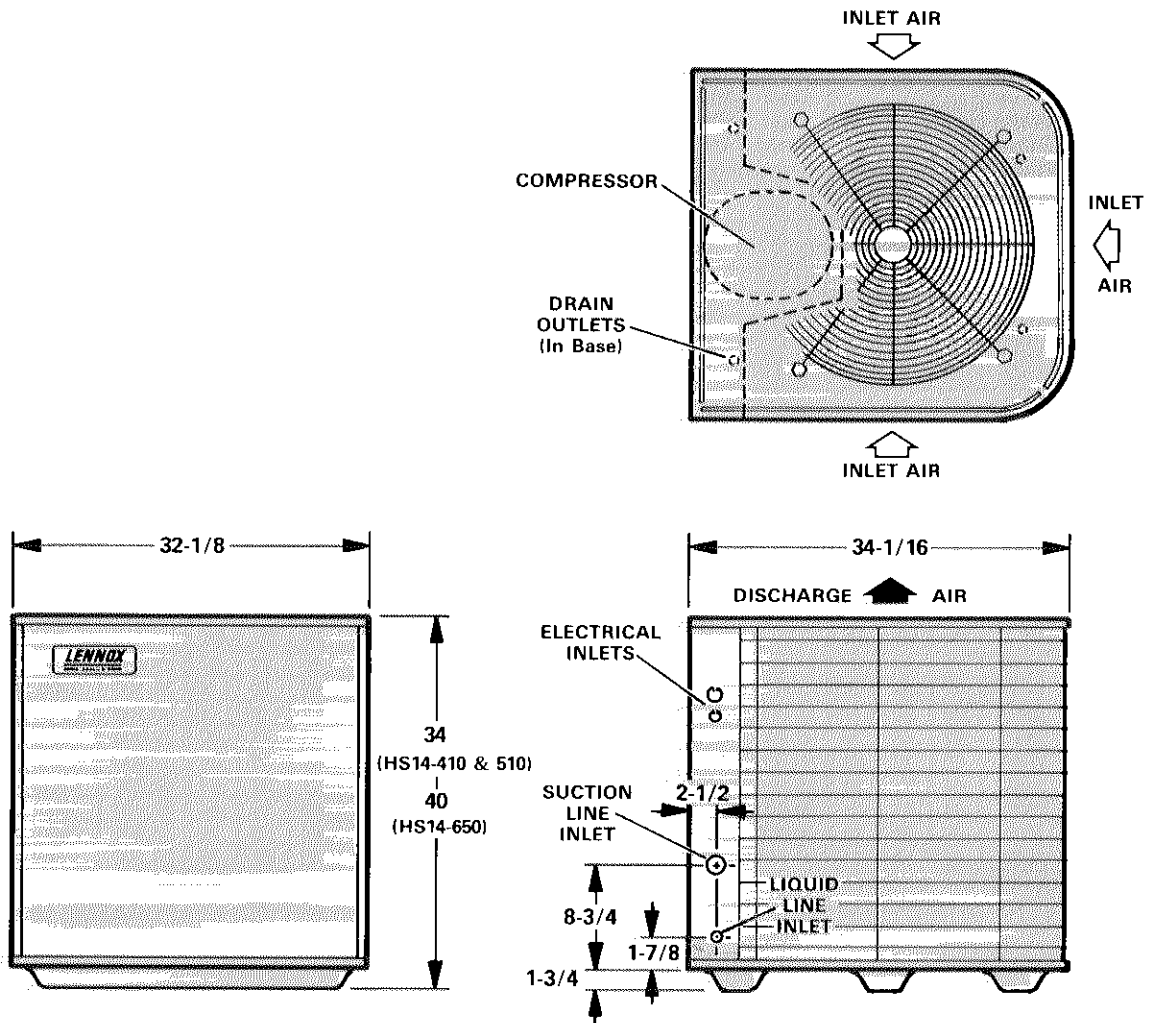
All wiring must conform to NEC and local electrical codes.

REFRIGERANT LINE KITS

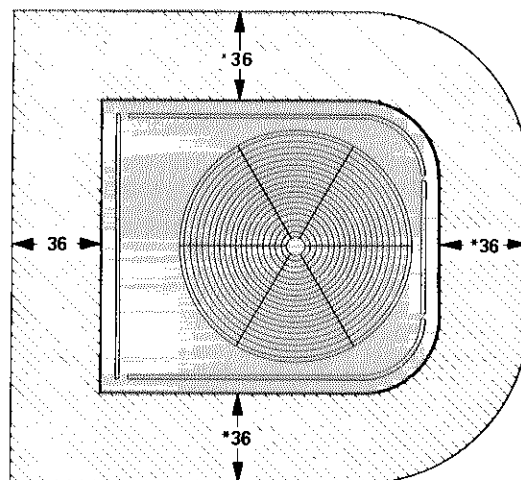
Condensing Unit Model No.	Line Set Model No.	Length Suction & Liquid Lines (ft.)	Liquid Line (o.d. in.)	Suction Line (o.d. in.)
HS14-410V	L10-65-30	30	3/8	7/8
	L10-65-40	40		
	L10-65-50	50		
HS14-510V HS14-650V	*Not Available	----	----	----

*Field fabricate.

DIMENSIONS (inches)



INSTALLATION CLEARANCES (inches)



NOTE — 48" clearance required on top of unit.
 *NOTE - One side of coil may be 12 inches.

RATINGS

NOTE — To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CR16-31FF EVAPORATOR UNIT

(Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	23,000	1210	.85	.99	1.00	21,600	1280	.88	1.00	1.00	20,400	1370	.91	1.00	1.00	19,300	1480	.95	1.00	1.00
	1200	24,400	1230	.95	1.00	1.00	23,200	1300	.98	1.00	1.00	21,900	1400	1.00	1.00	1.00	20,600	1500	1.00	1.00	1.00
	1500	25,600	1240	1.00	1.00	1.00	24,200	1320	1.00	1.00	1.00	22,900	1410	1.00	1.00	1.00	21,500	1520	1.00	1.00	1.00
67	900	24,400	1230	.65	.79	.92	22,900	1300	.67	.81	.95	21,500	1390	.69	.84	.99	20,000	1500	.71	.88	1.00
	1200	25,200	1240	.71	.88	1.00	23,700	1310	.74	.91	1.00	22,200	1400	.76	.95	1.00	20,700	1510	.80	.99	1.00
	1500	25,900	1240	.78	.97	1.00	24,200	1320	.80	1.00	1.00	22,900	1410	.84	1.00	1.00	21,500	1520	.87	1.00	1.00
71	900	26,200	1240	.48	.60	.73	24,600	1320	.48	.62	.75	23,100	1410	.49	.64	.78	21,500	1520	.50	.66	.81
	1200	26,900	1250	.51	.66	.82	25,300	1330	.52	.68	.85	23,700	1420	.53	.71	.88	22,100	1530	.54	.74	.92
	1500	27,400	1260	.54	.72	.90	25,700	1330	.55	.75	.94	24,100	1430	.56	.78	.98	22,400	1530	.58	.81	1.00

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

HS14-411V-413V WITH CR16-31FF EVAPORATOR UNIT

(High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	33,200	2810	.72	.82	.91	31,100	2940	.74	.84	.94	29,200	3080	.76	.87	.97	27,400	3210	.78	.90	1.00
	1200	35,100	2870	.77	.89	1.00	33,000	3010	.80	.92	1.00	31,000	3150	.82	.95	1.00	29,100	3300	.85	.99	1.00
	1500	36,600	2910	.83	.96	1.00	34,600	3050	.86	.99	1.00	32,300	3210	.89	1.00	1.00	30,700	3370	.92	1.00	1.00
67	900	35,900	2890	.57	.66	.76	33,800	3030	.58	.68	.78	31,700	3180	.59	.70	.80	29,800	3330	.60	.71	.82
	1200	37,800	2940	.60	.72	.83	35,500	3090	.62	.74	.85	33,300	3250	.63	.76	.88	31,200	3390	.65	.78	.91
	1500	39,000	2980	.64	.77	.89	36,600	3130	.65	.79	.92	34,300	3290	.67	.82	.96	32,200	3440	.69	.85	.99
71	900	38,800	2970	.44	.53	.61	36,500	3130	.45	.54	.63	34,400	3290	.45	.55	.64	32,400	3450	.45	.56	.66
	1200	40,700	3020	.45	.56	.66	38,300	3190	.46	.57	.68	36,000	3350	.47	.58	.70	33,800	3510	.47	.60	.72
	1500	41,900	3050	.47	.59	.71	39,400	3220	.48	.60	.73	36,900	3390	.48	.62	.76	34,700	3540	.49	.64	.78

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

HS14-411V-413V WITH C16-28FF(FC), C16-28WFF(FC), C16-31FF(FC), C16-31WFF(FC) EVAPORATOR UNIT

(Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	23,400	1220	.86	1.00	1.00	22,200	1290	.89	1.00	1.00	21,000	1380	.93	1.00	1.00	19,800	1490	.97	1.00	1.00
	1200	25,100	1230	.97	1.00	1.00	23,800	1310	1.00	1.00	1.00	22,500	1400	1.00	1.00	1.00	21,200	1510	1.00	1.00	1.00
	1500	26,300	1250	1.00	1.00	1.00	24,900	1320	1.00	1.00	1.00	23,500	1420	1.00	1.00	1.00	22,100	1530	1.00	1.00	1.00
67	900	24,900	1230	.66	.80	.94	23,400	1310	.68	.83	.97	21,900	1400	.70	.86	1.00	20,400	1500	.73	.90	1.00
	1200	25,800	1240	.73	.90	1.00	24,200	1320	.76	.94	1.00	22,700	1410	.78	.98	1.00	21,200	1510	.82	1.00	1.00
	1500	26,200	1250	.80	1.00	1.00	24,900	1320	.83	1.00	1.00	23,500	1420	.86	1.00	1.00	22,100	1530	.90	1.00	1.00
71	900	26,600	1250	.48	.61	.74	25,100	1330	.49	.63	.77	23,500	1420	.50	.65	.80	21,800	1530	.51	.67	.83
	1200	27,400	1260	.51	.68	.84	25,700	1330	.53	.70	.87	24,100	1430	.54	.73	.91	22,400	1530	.56	.76	.95
	1500	27,800	1260	.55	.75	.94	26,200	1340	.56	.77	.97	24,500	1430	.58	.80	1.00	22,800	1540	.60	.84	1.00

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

HS14-411V-413V WITH C16-28FF(FC), C16-28WFF(FC), C16-31FF(FC), C16-31WFF(FC) EVAPORATOR UNIT

(High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	34,200	2840	.73	.83	.92	32,100	2970	.74	.85	.95	30,100	3120	.76	.88	.98	28,300	3260	.79	.91	1.00
	1200	36,300	2900	.79	.91	1.00	34,100	3040	.81	.94	1.00	32,100	3190	.84	.97	1.00	30,000	3340	.87	1.00	1.00
	1500	37,900	2940	.85	.98	1.00	35,500	3090	.88	1.00	1.00	33,600	3260	.91	1.00	1.00	31,800	3420	.94	1.00	1.00
67	900	37,000	2920	.58	.67	.77	34,700	3070	.59	.69	.79	32,600	3220	.60	.70	.81	30,600	3370	.61	.72	.84
	1200	38,900	2970	.61	.73	.84	36,500	3130	.63	.75	.87	34,200	3280	.64	.77	.90	32,100	3430	.66	.80	.93
	1500	40,100	3010	.65	.79	.92	37,600	3160	.67	.81	.95	35,200	3320	.69	.84	.99	33,100	3480	.71	.87	1.00
71	900	39,900	3000	.44	.53	.62	37,600	3160	.45	.54	.63	35,300	3330	.45	.55	.65	33,300	3480	.46	.56	.67
	1200	41,800	3050	.46	.57	.67	39,300	3220	.46	.58	.69	36,900	3380	.47	.59	.71	34,700	3540	.48	.61	.74
	1500	43,000	3080	.47	.60	.73	40,400	3250	.48	.62	.75	37,900	3420	.49	.64	.78	35,500	3580	.50	.66	.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 Bulb and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, Page 9.

HS14-411V-413V WITH CH16-31FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	23,600	1210	.86	1.00	1.00	22,400	1290	.89	1.00	1.00	21,200	1380	.93	1.00	1.00	19,900	1490	.97	1.00	1.00
	1200	25,300	1230	.97	1.00	1.00	24,000	1310	1.00	1.00	1.00	22,700	1400	1.00	1.00	1.00	21,300	1510	1.00	1.00	1.00
	1500	26,500	1250	1.00	1.00	1.00	25,100	1320	1.00	1.00	1.00	23,700	1420	1.00	1.00	1.00	22,200	1530	1.00	1.00	1.00
67	900	25,100	1230	.66	.80	.93	23,600	1300	.68	.83	.97	22,100	1400	.70	.86	1.00	20,600	1500	.73	.89	1.00
	1200	26,000	1240	.73	.90	1.00	24,400	1320	.75	.94	1.00	22,900	1410	.78	.97	1.00	21,300	1510	.82	1.00	1.00
	1500	26,800	1250	.80	.99	1.00	25,100	1320	.83	1.00	1.00	23,700	1420	.86	1.00	1.00	22,200	1530	.90	1.00	1.00
71	900	26,900	1250	.48	.61	.74	25,300	1320	.49	.63	.77	23,700	1420	.50	.65	.79	22,000	1520	.51	.67	.83
	1200	27,600	1260	.51	.68	.84	26,000	1330	.52	.70	.87	24,300	1420	.54	.72	.91	22,600	1530	.55	.75	.95
	1500	28,100	1260	.55	.74	.93	26,400	1340	.56	.77	.97	24,700	1430	.58	.80	1.00	23,000	1540	.60	.84	1.00

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

HS14-411V-413V WITH CH16-31FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	34,100	2840	.73	.83	.92	32,000	2970	.74	.85	.95	30,000	3110	.76	.88	.98	28,200	3250	.79	.90	1.00
	1200	36,200	2900	.78	.90	1.00	34,000	3040	.81	.94	1.00	31,900	3190	.84	.97	1.00	29,800	3330	.86	1.00	1.00
	1500	37,800	2940	.84	.98	1.00	35,400	3090	.87	1.00	1.00	33,500	3260	.91	1.00	1.00	31,700	3420	.94	1.00	1.00
67	900	36,900	2920	.58	.67	.76	34,700	3070	.59	.69	.79	32,500	3220	.60	.70	.81	30,600	3360	.61	.72	.83
	1200	38,800	2970	.61	.73	.84	36,400	3120	.63	.75	.87	34,100	3280	.64	.77	.90	32,000	3430	.66	.80	.93
	1500	40,000	3000	.65	.78	.91	37,500	3160	.67	.81	.95	35,200	3320	.69	.84	.98	33,000	3470	.71	.87	1.00
71	900	39,800	3000	.44	.53	.62	37,500	3160	.45	.54	.63	35,300	3320	.45	.55	.65	33,200	3480	.46	.56	.67
	1200	41,700	3050	.46	.56	.67	39,200	3220	.46	.58	.69	36,800	3380	.47	.59	.71	34,600	3540	.48	.61	.74
	1500	42,900	3080	.47	.60	.73	40,300	3250	.48	.62	.75	37,800	3420	.49	.63	.78	35,500	3580	.50	.65	.80

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

HS14-411V-413V WITH CB18-31 OR CBS18-31 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	23,600	1220	.86	1.00	1.00	22,400	1300	.89	1.00	1.00	21,100	1390	.93	1.00	1.00	19,900	1500	.97	1.00	1.00
	1200	25,400	1240	.97	1.00	1.00	24,000	1320	1.00	1.00	1.00	22,700	1410	1.00	1.00	1.00	21,300	1520	1.00	1.00	1.00
	1500	26,600	1250	1.00	1.00	1.00	25,200	1330	1.00	1.00	1.00	23,700	1430	1.00	1.00	1.00	22,200	1540	1.00	1.00	1.00
67	900	25,100	1240	.66	.80	.94	23,600	1310	.68	.83	.97	22,000	1400	.70	.86	1.00	20,500	1510	.73	.90	1.00
	1200	26,000	1250	.73	.91	1.00	24,400	1320	.76	.94	1.00	22,900	1410	.79	.98	1.00	21,300	1520	.82	1.00	1.00
	1500	26,800	1250	.80	1.00	1.00	25,200	1330	.83	1.00	1.00	23,700	1430	.87	1.00	1.00	22,300	1540	.91	1.00	1.00
71	900	26,900	1260	.48	.61	.74	25,300	1330	.49	.63	.77	23,600	1420	.50	.65	.80	22,000	1530	.51	.67	.83
	1200	27,600	1260	.52	.68	.84	26,000	1340	.53	.70	.88	24,300	1430	.54	.73	.91	22,600	1540	.56	.76	.96
	1500	28,100	1270	.55	.75	.94	26,400	1340	.57	.78	.98	24,700	1440	.58	.81	1.00	23,000	1550	.60	.84	1.00

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

HS14-411V-413V WITH CB18-31 OR CBS18-31 EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	35,300	2880	.72	.82	.92	33,000	3020	.74	.85	.95	31,000	3160	.76	.87	.98	29,100	3300	.78	.90	1.00
	1200	37,500	2940	.78	.90	1.00	35,100	3090	.81	.93	1.00	33,000	3240	.83	.97	1.00	30,800	3390	.86	1.00	1.00
	1500	39,100	2980	.84	.98	1.00	36,600	3140	.87	1.00	1.00	34,600	3310	.91	1.00	1.00	32,800	3480	.94	1.00	1.00
67	900	38,100	2960	.57	.67	.76	35,800	3110	.58	.68	.78	33,600	3270	.59	.70	.80	31,500	3420	.61	.72	.83
	1200	40,200	3020	.61	.72	.84	37,600	3170	.62	.75	.86	35,300	3330	.64	.77	.90	33,000	3490	.66	.80	.93
	1500	41,500	3050	.65	.78	.91	38,800	3210	.67	.81	.95	36,400	3380	.69	.84	.98	34,100	3530	.71	.87	1.00
71	900	41,200	3040	.44	.53	.62	38,700	3210	.45	.54	.63	36,400	3380	.45	.55	.65	34,200	3530	.45	.56	.66
	1200	43,200	3100	.46	.56	.67	40,500	3270	.46	.58	.69	38,000	3440	.47	.59	.71	35,700	3600	.48	.61	.74
	1500	44,400	3130	.47	.60	.73	41,700	3300	.48	.62	.75	39,100	3470	.49	.63	.78	36,600	3630	.50	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CR16-41FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	24,100	1220	.86	1.00	1.00	22,800	1300	.89	1.00	1.00	21,600	1390	.93	1.00	1.00	20,300	1500	.97	1.00	1.00
	1200	25,900	1240	.97	1.00	1.00	24,500	1320	1.00	1.00	1.00	23,100	1410	1.00	1.00	1.00	21,700	1520	1.00	1.00	1.00
	1500	27,100	1250	1.00	1.00	1.00	25,700	1330	1.00	1.00	1.00	24,200	1430	1.00	1.00	1.00	22,700	1540	1.00	1.00	1.00
67	900	25,600	1240	.66	.80	.94	24,000	1310	.68	.83	.97	22,500	1400	.70	.86	1.00	20,900	1510	.73	.90	1.00
	1200	26,500	1250	.73	.91	1.00	24,900	1320	.76	.94	1.00	23,300	1410	.79	.98	1.00	21,700	1520	.82	1.00	1.00
	1500	27,100	1250	.80	1.00	1.00	25,700	1330	.83	1.00	1.00	24,200	1430	.87	1.00	1.00	22,700	1540	.91	1.00	1.00
71	900	27,400	1260	.48	.61	.74	25,800	1330	.49	.63	.77	24,100	1430	.50	.65	.80	22,400	1530	.51	.67	.83
	1200	28,200	1270	.52	.68	.84	26,500	1340	.53	.70	.88	24,800	1430	.54	.73	.91	23,000	1540	.56	.76	.96
	1500	28,700	1270	.55	.75	.94	27,000	1350	.57	.78	.98	25,200	1440	.58	.81	1.00	23,400	1550	.60	.84	1.00

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

HS14-411V-413V WITH CR16-41FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	36,000	2880	.72	.82	.92	33,700	3020	.74	.85	.95	31,600	3170	.76	.87	.98	29,600	3310	.78	.90	1.00
	1200	38,200	2950	.78	.90	1.00	35,800	3100	.81	.93	1.00	33,600	3250	.83	.97	1.00	31,400	3390	.86	1.00	1.00
	1500	39,900	2990	.84	.98	1.00	37,300	3150	.87	1.00	1.00	35,300	3320	.91	1.00	1.00	33,400	3480	.94	1.00	1.00
67	900	38,900	2960	.57	.67	.76	36,500	3120	.58	.68	.78	34,200	3270	.59	.70	.80	32,100	3420	.61	.72	.83
	1200	41,000	3020	.61	.72	.84	38,400	3180	.62	.75	.86	35,900	3340	.64	.77	.90	33,700	3490	.66	.80	.93
	1500	42,300	3060	.65	.78	.91	39,600	3220	.67	.81	.95	37,100	3380	.69	.84	.98	34,700	3540	.71	.87	1.00
71	900	42,000	3050	.44	.53	.62	39,500	3220	.45	.54	.63	37,100	3380	.45	.55	.64	34,900	3540	.45	.56	.66
	1200	44,100	3100	.46	.56	.67	41,400	3270	.46	.58	.69	38,800	3440	.47	.59	.71	36,400	3600	.48	.61	.73
	1500	45,300	3140	.47	.60	.73	42,500	3310	.48	.62	.75	39,900	3480	.49	.63	.78	37,300	3640	.50	.65	.81

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

HS14-411V-413V WITH C16-41FF(FC) OR C16-41WFF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	24,100	1220	.86	1.00	1.00	22,800	1300	.89	1.00	1.00	21,600	1390	.93	1.00	1.00	20,300	1500	.97	1.00	1.00
	1200	25,900	1240	.97	1.00	1.00	24,500	1320	1.00	1.00	1.00	23,200	1410	1.00	1.00	1.00	21,800	1520	1.00	1.00	1.00
	1500	27,100	1260	1.00	1.00	1.00	25,700	1330	1.00	1.00	1.00	24,200	1430	1.00	1.00	1.00	22,700	1540	1.00	1.00	1.00
67	900	25,600	1240	.66	.80	.94	24,100	1310	.68	.83	.97	22,500	1400	.70	.86	1.00	20,900	1510	.73	.90	1.00
	1200	26,500	1250	.73	.91	1.00	24,900	1320	.76	.94	1.00	23,400	1420	.79	.98	1.00	21,800	1520	.82	1.00	1.00
	1500	27,200	1260	.80	1.00	1.00	25,700	1330	.84	1.00	1.00	24,200	1430	.87	1.00	1.00	22,700	1540	.91	1.00	1.00
71	900	27,400	1260	.48	.61	.74	25,800	1330	.49	.63	.77	24,100	1430	.50	.65	.80	22,500	1530	.51	.67	.83
	1200	28,200	1270	.52	.68	.84	26,500	1340	.53	.70	.88	24,800	1430	.54	.73	.91	23,100	1540	.56	.76	.96
	1500	28,700	1270	.55	.75	.94	27,000	1350	.57	.78	.98	25,200	1440	.58	.81	1.00	23,500	1550	.60	.84	1.00

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

HS14-411V-413V WITH C16-41FF(FC) OR C16-41WFF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	35,900	2880	.72	.82	.92	33,700	3020	.74	.85	.95	31,600	3170	.76	.87	.98	29,600	3310	.78	.90	1.00
	1200	38,200	2950	.78	.90	1.00	35,800	3100	.81	.93	1.00	33,600	3250	.83	.97	1.00	31,400	3400	.86	1.00	1.00
	1500	39,900	2990	.84	.98	1.00	37,300	3150	.87	1.00	1.00	35,300	3320	.91	1.00	1.00	33,400	3480	.94	1.00	1.00
67	900	38,800	2970	.57	.67	.76	36,500	3120	.58	.68	.78	34,200	3280	.59	.70	.80	32,100	3430	.61	.72	.83
	1200	41,000	3020	.61	.72	.84	38,400	3180	.62	.75	.86	35,900	3340	.64	.77	.89	33,700	3490	.66	.80	.93
	1500	42,300	3060	.65	.78	.91	39,600	3220	.67	.81	.95	37,100	3380	.69	.84	.98	34,700	3540	.71	.87	1.00
71	900	42,000	3050	.44	.53	.62	39,500	3220	.45	.54	.63	37,100	3380	.45	.55	.64	34,800	3540	.45	.56	.66
	1200	44,000	3100	.46	.56	.67	41,300	3280	.46	.58	.69	38,800	3440	.47	.59	.71	36,400	3610	.48	.61	.73
	1500	45,300	3140	.47	.60	.73	42,500	3310	.48	.62	.75	39,900	3480	.49	.63	.78	37,300	3640	.50	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CB18-41 OR CBS18-41 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	23,900	1230	.87	1.00	1.00	22,700	1300	.90	1.00	1.00	21,400	1390	.93	1.00	1.00	20,200	1500	.97	1.00	1.00
	1200	25,800	1250	.98	1.00	1.00	24,400	1320	1.00	1.00	1.00	23,000	1420	1.00	1.00	1.00	21,600	1530	1.00	1.00	1.00
	1500	27,000	1260	1.00	1.00	1.00	25,600	1340	1.00	1.00	1.00	24,100	1430	1.00	1.00	1.00	22,600	1540	1.00	1.00	1.00
67	900	25,400	1240	.66	.80	.94	23,800	1320	.68	.83	.97	22,300	1410	.70	.86	1.00	20,700	1510	.73	.90	1.00
	1200	26,300	1250	.74	.91	1.00	24,700	1330	.76	.95	1.00	23,200	1420	.79	.99	1.00	21,600	1530	.83	1.00	1.00
	1500	27,000	1260	.81	1.00	1.00	25,600	1340	.84	1.00	1.00	24,100	1430	.88	1.00	1.00	22,600	1540	.92	1.00	1.00
71	900	27,200	1260	.48	.61	.75	25,600	1340	.49	.63	.77	23,900	1430	.50	.65	.80	22,200	1540	.51	.67	.83
	1200	28,000	1270	.52	.69	.85	26,300	1340	.53	.71	.88	24,600	1440	.54	.74	.92	22,800	1540	.56	.77	.96
	1500	28,400	1270	.56	.76	.95	26,700	1350	.57	.78	.99	25,000	1440	.59	.82	1.00	23,200	1550	.61	.85	1.00

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

HS14-411V-413V WITH CB18-41 OR CBS18-41 EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	35,900	2900	.72	.82	.92	33,700	3040	.74	.85	.95	31,500	3190	.76	.87	.98	29,600	3330	.78	.90	1.00
	1200	38,200	2960	.79	.91	1.00	35,800	3110	.81	.94	1.00	33,600	3270	.84	.97	1.00	31,400	3420	.87	1.00	1.00
	1500	39,900	3010	.85	.99	1.00	37,400	3170	.88	1.00	1.00	35,400	3340	.91	1.00	1.00	33,500	3510	.95	1.00	1.00
67	900	38,800	2980	.57	.67	.76	36,400	3140	.58	.68	.78	34,200	3290	.59	.70	.81	32,000	3440	.61	.72	.83
	1200	40,900	3040	.61	.73	.84	38,300	3200	.63	.75	.87	35,900	3360	.64	.77	.90	33,600	3510	.66	.80	.93
	1500	42,300	3070	.65	.79	.92	39,600	3240	.67	.82	.95	37,100	3400	.69	.85	.99	34,700	3560	.71	.88	1.00
71	900	41,900	3060	.44	.53	.62	39,400	3230	.45	.54	.63	37,000	3400	.45	.55	.65	34,800	3560	.46	.56	.66
	1200	44,000	3120	.46	.57	.67	41,300	3290	.46	.58	.69	38,700	3460	.47	.59	.71	36,300	3620	.48	.61	.74
	1500	45,300	3150	.48	.60	.73	42,400	3320	.48	.62	.76	39,700	3500	.49	.64	.78	37,200	3660	.50	.66	.81

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

HS14-411V-413V WITH CH16-41FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	900	24,600	1230	.86	1.00	1.00	23,300	1300	.90	1.00	1.00	22,000	1400	.93	1.00	1.00	20,700	1500	.97	1.00	1.00
	1200	26,500	1250	.98	1.00	1.00	25,100	1320	1.00	1.00	1.00	23,700	1420	1.00	1.00	1.00	22,200	1530	1.00	1.00	1.00
	1500	27,800	1260	1.00	1.00	1.00	26,300	1340	1.00	1.00	1.00	24,800	1430	1.00	1.00	1.00	23,200	1540	1.00	1.00	1.00
67	900	26,200	1240	.66	.80	.94	24,500	1320	.68	.83	.97	23,000	1410	.70	.86	1.00	21,400	1510	.73	.90	1.00
	1200	27,100	1250	.74	.91	1.00	25,500	1330	.76	.95	1.00	23,900	1420	.79	.99	1.00	22,200	1530	.83	1.00	1.00
	1500	27,800	1260	.81	1.00	1.00	26,300	1340	.84	1.00	1.00	24,800	1430	.88	1.00	1.00	23,200	1540	.92	1.00	1.00
71	900	28,000	1260	.48	.61	.75	26,300	1340	.49	.63	.77	24,600	1430	.50	.65	.80	22,900	1540	.51	.67	.83
	1200	28,800	1270	.52	.69	.85	27,100	1340	.53	.71	.88	25,300	1440	.54	.73	.92	23,500	1550	.56	.77	.96
	1500	29,300	1270	.56	.76	.95	27,500	1350	.57	.78	.99	25,700	1440	.59	.82	1.00	23,900	1550	.61	.85	1.00

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

HS14-411V-413V WITH CH16-41FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	900	36,500	2900	.72	.82	.92	34,200	3040	.74	.85	.95	32,000	3190	.76	.87	.98	30,000	3330	.78	.90	1.00
	1200	38,800	2960	.78	.90	1.00	36,400	3120	.81	.94	1.00	34,200	3270	.84	.97	1.00	31,900	3420	.87	1.00	1.00
	1500	40,600	3010	.85	.98	1.00	38,000	3170	.88	1.00	1.00	35,900	3340	.91	1.00	1.00	34,000	3510	.95	1.00	1.00
67	900	39,400	2980	.57	.67	.76	37,000	3140	.58	.68	.78	34,700	3300	.59	.70	.80	32,500	3450	.61	.72	.83
	1200	41,600	3040	.61	.73	.84	38,900	3200	.63	.75	.87	36,500	3360	.64	.77	.90	34,200	3520	.66	.80	.93
	1500	42,900	3080	.65	.79	.92	40,200	3240	.67	.81	.95	37,600	3400	.69	.84	.99	35,200	3560	.71	.88	1.00
71	900	42,600	3070	.44	.53	.62	40,000	3240	.45	.54	.63	37,600	3400	.45	.55	.65	35,300	3560	.45	.56	.66
	1200	44,700	3120	.46	.56	.67	41,900	3290	.46	.58	.69	39,300	3460	.47	.59	.71	36,900	3620	.48	.61	.74
	1500	46,000	3150	.48	.60	.73	43,100	3330	.48	.62	.75	40,400	3500	.49	.64	.78	37,800	3660	.50	.66	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CR16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
		76	80	84			76	80	84			76	80	84							
63	900	24,200	1220	.85	.99	1.00	22,700	1300	.88	1.00	1.00	21,400	1390	.92	1.00	1.00	20,200	1500	.96	1.00	1.00
	1200	25,800	1240	.96	1.00	1.00	24,400	1320	.99	1.00	1.00	23,000	1420	1.00	1.00	1.00	21,700	1530	1.00	1.00	1.00
	1500	27,100	1260	1.00	1.00	1.00	25,600	1330	1.00	1.00	1.00	24,100	1430	1.00	1.00	1.00	22,600	1540	1.00	1.00	1.00
67	900	25,600	1240	.65	.79	.92	24,100	1320	.67	.82	.96	22,500	1410	.69	.85	.99	20,900	1510	.72	.88	1.00
	1200	26,600	1250	.72	.89	1.00	25,000	1330	.75	.93	1.00	23,300	1420	.77	.97	1.00	21,600	1530	.81	1.00	1.00
	1500	27,300	1260	.79	.99	1.00	25,700	1330	.82	1.00	1.00	24,200	1430	.85	1.00	1.00	22,700	1540	.89	1.00	1.00
71	900	27,500	1260	.48	.60	.73	25,900	1340	.48	.62	.76	24,200	1430	.49	.64	.79	22,500	1540	.51	.66	.82
	1200	28,300	1270	.51	.67	.83	26,600	1340	.52	.69	.86	24,900	1440	.53	.72	.90	23,100	1550	.55	.75	.94
	1500	29,700	1270	.54	.72	.93	27,900	1350	.55	.75	.96	26,100	1450	.57	.78	1.00	24,300	1570	.59	.81	1.00

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

HS14-411V-413V WITH CR16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
		76	80	84			76	80	84			76	80	84							
63	900	36,500	2900	.71	.81	.91	34,200	3040	.73	.83	.93	32,000	3190	.75	.86	.96	30,000	3330	.77	.89	1.00
	1200	38,800	2960	.77	.89	1.00	36,400	3120	.79	.92	1.00	34,100	3270	.82	.95	1.00	32,000	3420	.85	.99	1.00
	1500	40,500	3000	.83	.97	1.00	37,900	3170	.85	1.00	1.00	35,700	3340	.90	1.00	1.00	34,000	3510	.93	1.00	1.00
67	900	39,600	2990	.57	.66	.75	37,200	3140	.58	.67	.77	34,900	3300	.59	.69	.79	32,700	3450	.60	.71	.82
	1200	41,800	3050	.60	.71	.82	39,200	3210	.62	.73	.85	36,700	3370	.63	.76	.88	34,300	3520	.65	.78	.91
	1500	43,200	3080	.64	.77	.89	40,500	3250	.65	.79	.92	37,800	3410	.67	.82	.96	35,400	3570	.70	.85	1.00
71	900	42,700	3070	.44	.53	.61	40,200	3240	.44	.53	.62	37,800	3410	.45	.54	.64	35,500	3570	.45	.55	.65
	1200	45,000	3130	.45	.56	.66	42,300	3300	.46	.57	.68	39,600	3470	.47	.58	.70	37,100	3630	.47	.60	.72
	1500	46,400	3160	.47	.59	.71	43,500	3340	.48	.61	.73	40,800	3510	.49	.62	.76	38,200	3670	.49	.64	.79

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

HS14-411V-413V WITH C16-46FF(FC) OR C16-46WFF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
		76	80	84			76	80	84			76	80	84							
63	900	24,100	1230	.86	1.00	1.00	22,800	1300	.89	1.00	1.00	21,600	1390	.93	1.00	1.00	20,300	1500	.97	1.00	1.00
	1200	25,900	1250	.97	1.00	1.00	24,500	1320	1.00	1.00	1.00	23,200	1420	1.00	1.00	1.00	21,800	1530	1.00	1.00	1.00
	1500	27,200	1260	1.00	1.00	1.00	25,700	1340	1.00	1.00	1.00	24,200	1430	1.00	1.00	1.00	22,700	1540	1.00	1.00	1.00
67	900	25,600	1240	.66	.80	.93	24,100	1320	.68	.83	.97	22,500	1410	.70	.86	1.00	20,900	1510	.73	.90	1.00
	1200	26,600	1250	.73	.91	1.00	24,900	1330	.76	.94	1.00	23,400	1420	.79	.98	1.00	21,800	1530	.82	1.00	1.00
	1500	27,200	1260	.81	1.00	1.00	25,800	1340	.84	1.00	1.00	24,200	1430	.87	1.00	1.00	22,700	1540	.91	1.00	1.00
71	900	27,400	1260	.48	.61	.74	25,800	1340	.49	.63	.77	24,100	1430	.50	.65	.80	22,400	1540	.51	.67	.83
	1200	28,200	1270	.52	.68	.84	26,500	1340	.53	.70	.88	24,800	1440	.54	.73	.91	23,100	1550	.56	.76	.96
	1500	28,700	1270	.55	.75	.94	27,000	1350	.57	.78	.98	25,200	1440	.58	.81	1.00	23,500	1550	.60	.85	1.00

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

HS14-411V-413V WITH C16-46FF(FC) OR C16-46WFF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
		76	80	84			76	80	84			76	80	84							
63	900	36,600	2900	.72	.82	.91	34,300	3040	.74	.84	.94	32,100	3190	.76	.87	.97	30,100	3330	.78	.90	1.00
	1200	38,900	2970	.78	.90	1.00	36,500	3120	.80	.93	1.00	34,200	3270	.83	.96	1.00	31,900	3420	.86	1.00	1.00
	1500	40,700	3010	.84	.98	1.00	38,000	3170	.87	1.00	1.00	36,000	3340	.90	1.00	1.00	34,000	3510	.94	1.00	1.00
67	900	39,600	2980	.57	.67	.76	37,200	3140	.58	.68	.78	34,800	3300	.59	.70	.80	32,700	3450	.61	.72	.83
	1200	41,800	3040	.61	.72	.83	39,100	3200	.62	.74	.86	36,600	3360	.64	.77	.89	34,300	3520	.66	.79	.93
	1500	43,200	3080	.65	.78	.91	40,400	3240	.67	.81	.94	37,800	3410	.69	.84	.98	35,400	3560	.71	.87	1.00
71	900	42,800	3070	.44	.53	.61	40,200	3240	.45	.54	.63	37,800	3410	.45	.55	.64	35,500	3570	.45	.56	.66
	1200	44,900	3120	.46	.56	.67	42,200	3300	.46	.58	.69	39,600	3470	.47	.59	.71	37,100	3630	.48	.61	.73
	1500	46,300	3160	.47	.60	.72	43,400	3330	.48	.62	.75	40,600	3500	.49	.63	.77	38,000	3670	.50	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	22,800	1350	.89	1.00	1.00	21,500	1450	.93	1.00	1.00	20,200	1570	.97	1.00	1.00	18,900	1700	1.00	1.00	1.00
	1200	24,600	1380	1.00	1.00	1.00	23,200	1470	1.00	1.00	1.00	21,700	1590	1.00	1.00	1.00	20,300	1730	1.00	1.00	1.00
	1500	25,800	1390	1.00	1.00	1.00	24,300	1490	1.00	1.00	1.00	22,800	1600	1.00	1.00	1.00	21,200	1740	1.00	1.00	1.00
67	900	24,100	1370	.68	.83	.97	22,500	1460	.70	.86	1.00	20,900	1580	.72	.89	1.00	19,300	1710	.76	.94	1.00
	1200	25,000	1380	.76	.94	1.00	23,400	1480	.79	.98	1.00	21,800	1590	.82	1.00	1.00	20,300	1730	.86	1.00	1.00
	1500	25,800	1390	.84	1.00	1.00	24,300	1490	.87	1.00	1.00	22,800	1600	.92	1.00	1.00	21,200	1740	.96	1.00	1.00
71	900	25,800	1390	.49	.63	.76	24,200	1490	.50	.65	.79	22,400	1600	.51	.67	.83	20,700	1730	.52	.70	.87
	1200	26,600	1400	.53	.70	.88	24,900	1500	.54	.73	.91	23,100	1610	.56	.76	.96	21,300	1740	.58	.80	1.00
	1500	27,100	1400	.57	.78	.98	25,300	1500	.59	.81	1.00	23,500	1610	.61	.85	1.00	21,700	1750	.63	.89	1.00

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

HS14-411V-413V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	36,800	2930	.72	.81	.91	34,400	3080	.73	.84	.94	32,200	3230	.75	.86	.97	30,100	3370	.77	.89	1.00
	1200	39,200	3000	.78	.89	1.00	36,700	3160	.80	.93	1.00	34,300	3310	.83	.96	1.00	32,400	3460	.86	.99	1.00
	1500	41,000	3050	.84	.97	1.00	38,300	3210	.87	1.00	1.00	36,200	3380	.90	1.00	1.00	34,200	3550	.94	1.00	1.00
67	900	39,800	3020	.57	.66	.75	37,300	3180	.58	.68	.77	35,000	3340	.59	.69	.80	32,800	3490	.60	.71	.82
	1200	42,100	3080	.61	.72	.83	39,400	3250	.62	.74	.86	36,800	3410	.64	.76	.89	34,500	3560	.65	.79	.92
	1500	43,600	3120	.64	.78	.90	40,700	3290	.66	.80	.94	38,100	3450	.68	.83	.98	35,600	3610	.71	.87	1.00
71	900	43,000	3110	.44	.53	.61	40,400	3280	.44	.53	.62	37,900	3450	.45	.54	.64	35,600	3610	.45	.55	.66
	1200	45,300	3170	.45	.56	.66	42,500	3340	.46	.57	.68	39,800	3510	.47	.59	.70	37,300	3680	.48	.60	.73
	1500	46,700	3200	.47	.60	.72	43,800	3380	.48	.61	.74	41,000	3550	.49	.63	.77	38,300	3720	.50	.65	.80

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

HS14-411V-413V WITH CH16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	24,700	1230	.86	1.00	1.00	23,400	1310	.90	1.00	1.00	22,100	1400	.93	1.00	1.00	20,800	1510	.97	1.00	1.00
	1200	26,500	1250	.98	1.00	1.00	25,100	1330	1.00	1.00	1.00	23,700	1420	1.00	1.00	1.00	22,300	1530	1.00	1.00	1.00
	1500	27,800	1260	1.00	1.00	1.00	26,300	1340	1.00	1.00	1.00	24,700	1440	1.00	1.00	1.00	23,200	1550	1.00	1.00	1.00
67	900	26,300	1250	.66	.80	.94	24,600	1320	.68	.83	.97	23,000	1410	.70	.86	1.00	21,400	1520	.73	.90	1.00
	1200	27,200	1260	.74	.91	1.00	25,500	1330	.76	.95	1.00	23,900	1420	.79	.99	1.00	22,300	1530	.83	1.00	1.00
	1500	27,800	1260	.81	1.00	1.00	26,300	1340	.84	1.00	1.00	24,800	1440	.88	1.00	1.00	23,200	1550	.92	1.00	1.00
71	900	28,100	1270	.48	.61	.74	26,500	1340	.49	.63	.77	24,700	1440	.50	.65	.80	23,000	1540	.51	.67	.83
	1200	28,900	1270	.52	.68	.85	27,200	1350	.53	.71	.88	25,400	1440	.54	.73	.92	23,600	1550	.56	.76	.96
	1500	29,400	1280	.55	.75	.95	27,600	1350	.57	.78	.98	25,800	1450	.59	.81	1.00	24,000	1560	.61	.85	1.00

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

HS14-411V-413V WITH CH16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	37,300	2930	.72	.82	.91	34,900	3080	.74	.84	.94	32,600	3230	.75	.87	.97	30,600	3380	.78	.90	1.00
	1200	39,500	3000	.78	.90	1.00	37,000	3150	.80	.93	1.00	34,700	3310	.83	.96	1.00	32,400	3460	.86	1.00	1.00
	1500	41,200	3040	.84	.98	1.00	38,500	3200	.87	1.00	1.00	36,400	3380	.90	1.00	1.00	34,400	3550	.94	1.00	1.00
67	900	40,300	3020	.57	.66	.75	37,800	3180	.58	.68	.78	35,500	3340	.59	.70	.80	33,200	3490	.60	.72	.82
	1200	42,500	3080	.61	.72	.83	39,800	3240	.62	.74	.86	37,200	3410	.64	.77	.89	34,800	3560	.66	.79	.93
	1500	43,900	3110	.65	.78	.91	41,000	3280	.66	.81	.94	38,400	3450	.68	.84	.98	35,900	3600	.71	.87	1.00
71	900	43,600	3110	.44	.53	.61	41,000	3280	.45	.54	.63	38,500	3450	.45	.55	.64	36,100	3610	.45	.56	.66
	1200	45,800	3160	.46	.56	.67	42,900	3340	.46	.57	.69	40,200	3510	.47	.59	.71	37,700	3670	.48	.60	.73
	1500	47,100	3200	.47	.60	.72	44,100	3370	.48	.61	.75	41,300	3550	.49	.63	.77	38,600	3710	.50	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH C14-41FF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	900	25,500	1240	.87	1.00	1.00	24,100	1310	.90	1.00	1.00	22,800	1410	.93	1.00	1.00	21,400	1520	.97	1.00	1.00
	1200	27,500	1260	.99	1.00	1.00	26,100	1330	1.00	1.00	1.00	24,500	1430	1.00	1.00	1.00	23,000	1540	1.00	1.00	1.00
	1500	28,900	1270	1.00	1.00	1.00	27,300	1350	1.00	1.00	1.00	25,700	1440	1.00	1.00	1.00	24,100	1560	1.00	1.00	1.00
67	900	27,100	1250	.66	.80	.94	25,400	1330	.68	.83	.97	23,700	1420	.70	.86	1.00	22,000	1530	1.00	.90	1.00
	1200	28,100	1260	.74	.92	1.00	26,400	1340	.77	.96	1.00	24,700	1430	.80	.99	1.00	23,000	1540	.83	1.00	1.00
	1500	28,900	1270	.82	1.00	1.00	27,300	1350	.85	1.00	1.00	25,700	1440	.89	1.00	1.00	24,100	1560	.93	1.00	1.00
71	900	29,000	1270	.48	.61	.74	27,200	1350	.49	.63	.77	25,500	1440	.50	.65	.80	23,700	1550	.51	.67	.83
	1200	29,900	1280	.52	.69	.86	28,100	1360	.53	.71	.89	26,200	1450	.55	.74	.93	24,300	1560	.56	.77	.97
	1500	30,400	1280	.56	.76	.96	28,500	1360	.58	.79	1.00	26,600	1450	.59	.83	1.00	24,700	1560	.62	.87	1.00

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

HS14-411V-413V WITH C14-41FF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	900	38,500	2970	.72	.81	.91	36,000	3120	.73	.84	.94	33,700	3270	.75	.86	.97	31,500	3410	.77	.89	1.00
	1200	41,000	3040	.78	.90	1.00	38,300	3190	.80	.93	1.00	35,900	3350	.83	.97	1.00	33,500	3500	.86	1.00	1.00
	1500	42,900	3080	.85	.98	1.00	40,100	3250	.88	1.00	1.00	37,900	3430	.91	1.00	1.00	35,800	3600	.95	1.00	1.00
67	900	41,700	3050	.57	.66	.75	39,000	3220	.58	.68	.77	36,600	3380	.59	.69	.80	34,200	3530	.60	.71	.82
	1200	44,000	3120	.61	.72	.83	41,200	3280	.62	.74	.86	38,500	3450	.64	.77	.89	36,000	3600	.66	.79	.93
	1500	45,500	3150	.65	.78	.91	42,500	3320	.67	.81	.95	39,800	3490	.69	.84	.99	37,100	3650	.71	.88	.81
71	900	45,000	3140	.44	.53	.61	42,300	3320	.45	.54	.62	39,600	3490	.45	.54	.64	37,200	3650	.45	.56	.66
	1200	47,100	3220	.45	.56	.66	45,100	3410	.46	.57	.68	42,200	3600	.47	.59	.71	39,400	3790	.40	.60	.73
	1500	49,700	3260	.47	.60	.72	46,500	3450	.48	.61	.75	48,500	3650	.49	.63	.77	40,500	3840	.50	.65	.81

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

HS14-411V-413V WITH CB19-31 OR CBH19-31 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	800	24,000	1230	.79	.93	1.00	22,700	1370	.81	.96	1.00	21,500	1510	.85	.99	1.00	20,200	1660	.88	1.00	1.00
	1025	25,400	1220	.87	1.00	1.00	24,200	1360	.90	1.00	1.00	23,000	1510	.94	1.00	1.00	21,600	1670	.98	1.00	1.00
	1250	26,600	1210	.95	1.00	1.00	25,300	1360	.98	1.00	1.00	23,900	1520	1.00	1.00	1.00	22,500	1680	1.00	1.00	1.00
67	800	25,400	1220	.62	.74	.86	24,000	1360	.63	.76	.88	22,600	1510	.65	.78	.92	21,000	1670	.67	.81	.97
	1025	26,400	1210	.66	.80	.96	24,900	1360	.68	.83	.98	23,400	1510	.70	.87	1.00	22,000	1670	.73	.91	1.00
	1250	27,000	1210	.70	.87	1.00	25,600	1360	.73	.91	1.00	24,100	1510	.75	.96	1.00	22,600	1680	.79	.99	1.00
71	800	26,700	1210	.46	.57	.68	25,300	1360	.47	.59	.70	23,800	1510	.47	.60	.73	22,300	1680	.48	.62	.75
	1025	27,600	1210	.49	.62	.75	26,100	1360	.49	.64	.77	24,600	1520	.50	.65	.80	23,000	1680	.52	.68	.84
	1250	28,100	1200	.50	.66	.81	26,600	1360	.51	.68	.84	25,000	1520	.53	.70	.88	23,400	1690	.54	.73	.92

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

HS14-411V-413V WITH CB19-31 OR CBH19-31 EVAPORATOR UNIT (High Speed Compressor Operation)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	800	35,300	2750	.71	.80	.89	33,700	2950	.72	.82	.91	32,000	3150	.74	.83	.93	30,100	3320	.75	.86	.95
	1025	37,700	2830	.75	.86	.95	35,800	3040	.77	.88	.97	34,000	3230	.79	.90	.99	32,100	3420	.81	.92	1.00
	1250	39,600	2890	.80	.91	.99	37,600	3100	.81	.93	1.00	35,700	3300	.84	.96	1.00	33,700	3490	.86	.98	1.00
67	800	37,500	2830	.57	.66	.74	35,800	3040	.58	.67	.76	34,000	3230	.59	.68	.77	32,100	3420	.60	.70	.79
	1025	40,100	2910	.60	.70	.80	38,100	3120	.61	.71	.82	36,200	3320	.62	.73	.84	34,100	3520	.63	.75	.86
	1250	41,900	2960	.63	.74	.85	39,800	3180	.64	.76	.87	37,600	3390	.65	.78	.90	35,400	3590	.67	.80	.92
71	800	39,700	2900	.45	.53	.61	37,900	3110	.45	.54	.62	36,000	3320	.45	.55	.63	34,100	3520	.46	.56	.65
	1025	42,300	2980	.46	.56	.65	40,300	3200	.46	.57	.66	38,200	3410	.47	.58	.68	36,100	3620	.47	.59	.70
	1250	44,200	3030	.47	.58	.69	42,000	3250	.48	.59	.70	39,800	3480	.48	.61	.72	37,500	3700	.49	.62	.74

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

RATINGS

NOTE - To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-411V-413V WITH CB19-41 OR CBH19-41 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	800	24,500	1290	.79	.93	1.00	23,200	1440	.81	.96	1.00	22,000	1590	.84	.99	1.00	20,600	1750	.88	1.00	1.00
	1100	26,400	1280	.89	1.00	1.00	25,100	1430	.93	1.00	1.00	23,800	1590	.97	1.00	1.00	22,400	1760	1.00	1.00	1.00
	1400	27,700	1270	.98	1.00	1.00	26,300	1430	1.00	1.00	1.00	24,900	1590	1.00	1.00	1.00	23,400	1770	1.00	1.00	1.00
67	800	25,900	1280	.62	.74	.85	24,500	1430	.63	.76	.88	23,100	1590	.65	.78	.92	21,500	1750	.67	.81	.96
	1100	27,200	1270	.68	.82	.98	25,700	1430	.70	.85	1.00	24,200	1590	.72	.89	1.00	22,600	1760	.75	.94	1.00
	1400	27,900	1270	.73	.92	1.00	26,400	1430	.75	.96	1.00	24,900	1590	.79	.99	1.00	23,400	1770	.82	1.00	1.00
71	800	27,300	1270	.46	.58	.68	25,800	1430	.47	.59	.70	24,300	1590	.47	.60	.73	22,800	1760	.48	.62	.75
	1100	28,300	1270	.49	.63	.77	26,800	1430	.50	.65	.79	25,200	1590	.51	.67	.83	23,700	1770	.53	.70	.86
	1400	28,900	1260	.52	.68	.85	27,200	1430	.53	.70	.88	25,700	1600	.54	.73	.92	24,100	1770	.56	.76	.97

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

HS14-411V-413V WITH CB19-41 OR CBH19-41 EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	800	35,300	2750	.70	.79	.88	33,700	2950	.71	.80	.90	32,000	3150	.72	.82	.92	30,100	3320	.74	.85	.95
	1100	38,300	2860	.75	.87	.97	36,500	3060	.77	.89	.98	34,600	3260	.79	.91	1.00	32,600	3440	.81	.94	1.00
	1400	40,500	2920	.81	.94	1.00	38,600	3130	.84	.96	1.00	36,600	3340	.86	.98	1.00	34,600	3540	.89	1.00	1.00
67	800	37,500	2830	.56	.65	.73	35,800	3040	.57	.66	.74	34,000	3230	.58	.67	.76	32,100	3420	.59	.68	.78
	1100	40,700	2930	.60	.70	.80	38,700	3140	.61	.71	.82	36,700	3350	.62	.73	.85	34,600	3540	.63	.75	.88
	1400	42,800	2990	.63	.75	.87	40,700	3210	.65	.77	.90	38,400	3420	.66	.80	.93	36,000	3630	.68	.83	.95
71	800	39,700	2900	.44	.52	.60	37,900	3110	.44	.53	.61	36,000	3320	.45	.54	.62	34,100	3520	.45	.54	.64
	1100	43,000	3000	.45	.55	.65	41,000	3220	.46	.56	.66	38,900	3440	.46	.57	.68	36,700	3650	.47	.59	.70
	1400	45,100	3050	.47	.59	.70	42,900	3280	.48	.60	.72	40,600	3510	.49	.61	.74	38,200	3730	.49	.63	.76

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

HS14-411V-413V WITH CB21-41 OR CBH21-41 EVAPORATOR UNIT (Low Speed Compressor Operation - Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	700	24,600	1260	.78	.90	1.00	23,100	1390	.80	.93	1.00	21,600	1550	.83	.96	1.00	20,100	1700	.86	.99	1.00
	800	25,300	1250	.82	.94	1.00	23,900	1390	.84	.97	1.00	22,400	1550	.87	1.00	1.00	21,000	1710	.91	1.00	1.00
	900	26,100	1240	.85	.98	1.00	24,500	1390	.88	1.00	1.00	23,200	1550	.91	1.00	1.00	21,700	1710	.95	1.00	1.00
67	700	26,200	1240	.61	.72	.83	24,700	1390	.63	.74	.86	23,100	1550	.64	.77	.89	21,500	1710	.66	.80	.93
	800	26,900	1240	.64	.76	.88	25,400	1390	.65	.78	.91	23,700	1550	.67	.81	.94	22,000	1710	.69	.84	.98
	900	27,500	1230	.66	.79	.92	25,900	1390	.68	.82	.95	24,200	1550	.70	.85	.98	22,400	1720	.72	.88	1.00
71	700	27,600	1230	.47	.57	.67	26,100	1390	.47	.58	.69	24,500	1550	.48	.60	.71	22,800	1720	.49	.61	.74
	800	28,400	1230	.48	.59	.70	26,800	1390	.48	.61	.73	25,100	1560	.49	.62	.75	23,400	1730	.50	.64	.78
	900	29,000	1230	.49	.61	.74	27,400	1390	.49	.63	.76	25,600	1560	.50	.65	.79	23,800	1730	.52	.67	.82

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

HS14-411V-413V WITH CB21-41 OR CBH21-41 EVAPORATOR UNIT (High Speed Compressor Operation - High Evaporator Unit Air Volume)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	900	38,200	2940	.73	.83	.92	36,300	3160	.74	.84	.94	34,300	3360	.76	.87	.97	32,300	3550	.78	.89	.99
	1100	40,100	3010	.77	.88	.97	38,000	3220	.78	.90	.99	36,000	3430	.81	.93	1.00	33,900	3640	.83	.95	1.00
	1300	41,700	3050	.81	.92	1.00	39,500	3280	.83	.95	1.00	37,400	3490	.85	.97	1.00	35,200	3710	.88	1.00	1.00
67	900	40,500	3020	.58	.68	.77	38,500	3240	.59	.69	.78	36,500	3450	.60	.70	.80	34,400	3670	.61	.72	.83
	1100	42,600	3080	.61	.71	.82	40,400	3310	.62	.73	.84	38,200	3530	.63	.75	.86	36,000	3750	.65	.77	.89
	1300	44,000	3120	.63	.75	.87	41,900	3360	.65	.77	.89	39,500	3590	.66	.79	.91	37,100	3810	.68	.82	.94
71	900	42,800	3090	.45	.54	.63	40,700	3320	.46	.55	.64	38,600	3550	.46	.56	.65	36,500	3780	.46	.57	.67
	1100	44,900	3140	.46	.57	.66	42,700	3380	.47	.58	.68	40,400	3630	.47	.59	.70	38,100	3860	.48	.60	.72
	1300	46,400	3190	.48	.59	.70	44,100	3430	.48	.60	.72	41,800	3680	.49	.61	.74	39,200	3920	.50	.63	.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.
HS14-411V-413V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT
 (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	900	25,400	1300	.85	.99	1.00	24,100	1450	.88	1.00	1.00	22,900	1600	.91	1.00	1.00	21,500	1770	.95	1.00	1.00
	1125	26,800	1280	.92	1.00	1.00	25,500	1440	.96	1.00	1.00	24,100	1600	.99	1.00	1.00	22,600	1780	1.00	1.00	1.00
	1350	27,600	1270	.98	1.00	1.00	26,100	1430	.99	1.00	1.00	24,700	1600	1.00	1.00	1.00	23,300	1780	1.00	1.00	1.00
67	900	26,600	1280	.65	.78	.92	25,100	1440	.67	.81	.95	23,500	1600	.69	.84	.99	22,000	1770	.72	.88	1.00
	1125	27,200	1280	.69	.84	.99	25,700	1440	.71	.88	1.00	24,300	1600	.74	.92	1.00	22,700	1780	.78	.98	1.00
	1350	27,900	1270	.72	.90	1.00	26,300	1430	.75	.95	1.00	24,800	1600	.78	.99	1.00	23,300	1780	.82	1.00	1.00
71	900	27,900	1270	.48	.61	.73	26,200	1430	.49	.62	.75	24,600	1600	.50	.64	.78	23,000	1780	.51	.67	.81
	1125	28,300	1260	.51	.65	.79	26,600	1430	.52	.66	.82	25,100	1600	.53	.69	.86	23,400	1780	.54	.72	.90
	1350	28,900	1260	.52	.68	.83	27,100	1430	.54	.70	.87	25,500	1600	.55	.72	.92	23,700	1790	.56	.76	.98

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

HS14-411V-413V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT
 (High Speed Compressor Operation)

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)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	900	37,800	2830	.71	.81	.91	35,900	3040	.73	.83	.93	34,000	3230	.74	.85	.96	32,100	3410	.76	.88	.98
	1125	40,000	2900	.76	.87	.98	37,900	3110	.78	.90	.99	35,900	3310	.80	.92	1.00	33,800	3500	.82	.95	1.00
	1350	41,600	2960	.80	.93	1.00	39,400	3170	.83	.96	1.00	37,400	3380	.85	.98	1.00	35,400	3580	.88	1.00	1.00
67	900	40,000	2910	.57	.66	.75	38,100	3120	.58	.67	.77	36,100	3320	.59	.69	.79	34,100	3520	.60	.70	.81
	1125	42,300	2980	.60	.70	.81	40,200	3190	.61	.72	.83	38,000	3400	.62	.74	.86	35,800	3610	.64	.76	.88
	1350	43,900	3020	.63	.75	.87	41,600	3240	.64	.77	.89	39,300	3460	.65	.79	.92	37,000	3670	.67	.82	.95
71	900	42,300	2980	.44	.53	.61	40,300	3190	.44	.54	.63	38,200	3410	.45	.55	.64	36,100	3620	.45	.56	.65
	1125	44,600	3040	.45	.55	.65	42,400	3270	.46	.56	.67	40,200	3490	.46	.58	.68	37,900	3710	.47	.59	.70
	1350	46,200	3080	.47	.58	.69	43,900	3310	.47	.59	.71	41,600	3550	.48	.61	.73	39,100	3770	.49	.62	.75

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

HS14-411V-413V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT
 (Low Speed Compressor Operation — Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	750	25,800	1280	.79	.91	1.00	24,300	1430	.81	.94	1.00	22,900	1590	.84	.97	1.00	21,400	1750	.87	1.00	1.00
	850	26,600	1280	.83	.96	1.00	25,000	1430	.85	.99	1.00	23,600	1590	.88	1.00	1.00	22,200	1760	.92	1.00	1.00
	950	27,200	1270	.86	.99	1.00	25,800	1430	.89	1.00	1.00	24,500	1600	.92	1.00	1.00	23,000	1770	.96	1.00	1.00
67	750	27,400	1270	.62	.74	.85	25,900	1430	.64	.76	.87	24,300	1590	.65	.78	.91	22,600	1760	.67	.81	.94
	850	28,100	1270	.64	.77	.89	26,500	1430	.66	.79	.92	24,900	1600	.68	.82	.96	23,200	1770	.70	.85	.99
	950	28,700	1270	.67	.80	.93	27,100	1430	.68	.83	.97	25,300	1600	.70	.86	1.00	23,600	1770	.73	.89	1.00
71	750	28,900	1270	.47	.58	.69	27,300	1430	.47	.59	.70	25,600	1600	.48	.61	.72	23,900	1780	.49	.62	.75
	850	29,600	1260	.48	.60	.72	28,000	1430	.49	.61	.74	26,300	1600	.50	.63	.76	24,500	1780	.51	.65	.79
	950	30,200	1260	.49	.62	.75	28,500	1430	.50	.64	.77	26,800	1610	.51	.66	.80	25,000	1790	.52	.68	.83

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

HS14-411V-413V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT
 (High Speed Compressor Operation — High Evaporator Unit Air Volume)

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)		
		76	80	84			76	80	84			76	80	84			76	80	84		
63	1450	43,900	3140	.83	.94	1.00	41,600	3370	.85	.97	1.00	39,400	3600	.87	.99	1.00	37,100	3820	.89	1.00	1.00
	1600	44,800	3160	.85	.97	1.00	42,500	3400	.87	.99	1.00	40,200	3630	.89	1.00	1.00	38,100	3870	.92	1.00	1.00
	1750	45,500	3180	.87	.99	1.00	43,200	3420	.90	1.00	1.00	41,200	3670	.92	1.00	1.00	38,800	3910	.95	1.00	1.00
67	1450	46,200	3190	.64	.78	.88	43,700	3430	.66	.80	.90	41,400	3670	.67	.82	.93	38,900	3900	.69	.84	.96
	1600	46,900	3210	.66	.80	.91	44,400	3460	.67	.82	.94	41,900	3700	.69	.84	.97	39,300	3930	.71	.86	.99
	1750	47,200	3220	.67	.82	.94	44,800	3470	.69	.84	.97	42,300	3720	.70	.86	.99	39,600	3950	.76	.89	1.00
71	1450	47,800	3240	.48	.60	.71	45,300	3490	.49	.61	.75	42,800	3740	.49	.62	.77	40,100	3970	.50	.64	.79
	1600	48,300	3250	.49	.61	.76	45,700	3500	.49	.63	.77	42,900	3750	.50	.64	.79	40,200	3990	.50	.66	.82
	1750	48,500	3260	.49	.63	.78	46,000	3510	.50	.64	.80	43,400	3760	.52	.66	.82	40,500	4000	.51	.67	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-511V-513V WITH C16-46FF(FC) OR C16-46WFF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	1200	31,700	1770	.83	.93	1.00	30,300	1890	.86	.93	1.00	28,800	2040	.89	.93	1.00	27,100	2220	.93	1.00	1.00
	1600	34,400	1780	.93	1.00	1.00	32,700	1900	.93	1.00	1.00	30,800	2060	.93	1.00	1.00	28,800	2260	1.00	1.00	1.00
	2000	36,300	1780	1.00	1.00	1.00	34,300	1910	1.00	1.00	1.00	32,200	2080	1.00	1.00	1.00	29,900	2280	1.00	1.00	1.00
67	1200	33,800	1780	.63	.77	.90	31,900	1900	.65	.79	.93	29,800	2050	.67	.82	.93	27,700	2240	.69	.86	.93
	1600	35,200	1780	.70	.87	.93	33,200	1900	.72	.90	1.00	30,900	2060	.75	.93	1.00	28,800	2260	.79	.93	1.00
	2000	36,300	1780	.77	.93	1.00	34,400	1910	.79	.93	1.00	32,200	2080	.83	1.00	1.00	30,000	2290	.87	1.00	1.00
71	1200	36,600	1780	.45	.58	.71	34,400	1910	.46	.60	.73	32,000	2070	.47	.62	.76	29,500	2280	.49	.64	.80
	1600	37,800	1790	.49	.64	.80	35,400	1920	.50	.67	.83	32,800	2090	.51	.70	.87	30,200	2290	.53	.73	.92
	2000	38,600	1790	.52	.71	.89	36,100	1920	.53	.74	.93	33,400	2090	.55	.77	.93	30,700	2300	.58	.81	.93

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

HS14-511V-513V WITH C16-46FF(FC) OR C16-46WFF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	46,000	3990	.74	.84	.94	44,000	4250	.75	.86	.96	41,900	4520	.76	.88	.98	39,900	4770	.78	.90	1.00
	1600	48,800	4100	.80	.92	1.00	46,500	4370	.82	.95	1.00	44,400	4640	.84	.97	1.00	41,900	4900	.86	1.00	1.00
	2000	50,600	4170	.86	1.00	1.00	48,500	4460	.89	1.00	1.00	46,400	4760	.91	1.00	1.00	44,300	5040	.94	1.00	1.00
67	1200	49,700	4130	.58	.68	.78	47,400	4410	.59	.69	.79	45,100	4690	.60	.71	.81	42,800	4950	.61	.72	.83
	1600	52,200	4230	.62	.74	.86	49,600	4510	.63	.76	.88	47,000	4790	.65	.78	.91	44,600	5060	.66	.80	.93
	2000	53,700	4280	.66	.80	.94	51,100	4570	.68	.82	.96	48,400	4860	.69	.85	.99	45,800	5130	.71	.88	1.00
71	1200	53,600	4280	.45	.54	.63	51,000	4570	.45	.54	.64	48,500	4860	.45	.55	.65	46,000	5140	.46	.56	.67
	1600	56,000	4360	.46	.57	.69	53,200	4660	.47	.58	.70	50,400	4960	.47	.60	.72	47,700	5240	.48	.61	.74
	2000	57,500	4420	.48	.61	.74	54,500	4720	.49	.63	.76	51,600	5020	.50	.64	.79	48,700	5300	.50	.66	.82

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

HS14-511V-513V WITH CR16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	32,000	1780	.83	.94	1.00	30,700	1890	.85	.94	1.00	29,100	2040	.88	.94	1.00	27,400	2220	.92	.94	1.00
	1600	34,800	1780	.93	1.00	1.00	33,100	1900	.94	1.00	1.00	31,200	2060	.94	1.00	1.00	29,200	2260	.94	1.00	1.00
	2000	36,800	1780	1.00	1.00	1.00	34,800	1910	1.00	1.00	1.00	32,700	2080	1.00	1.00	1.00	30,400	2290	1.00	1.00	1.00
67	1200	34,400	1780	.63	.76	.89	32,500	1900	.64	.79	.92	30,400	2050	.67	.82	.94	28,200	2240	.69	.85	.94
	1600	35,900	1780	.69	.86	.94	33,800	1910	.72	.89	.94	31,600	2060	.74	.93	1.00	29,200	2260	.78	.94	1.00
	2000	37,500	1780	.76	.97	1.00	35,200	1910	.81	1.00	1.00	32,800	2070	.82	1.00	1.00	30,200	2270	.88	1.00	1.00
71	1200	37,400	1790	.45	.58	.70	35,200	1920	.46	.59	.73	32,700	2080	.47	.61	.76	30,100	2280	.48	.64	.79
	1600	38,700	1790	.48	.64	.79	36,200	1920	.50	.66	.82	33,600	2090	.51	.69	.86	30,800	2300	.53	.72	.91
	2000	39,500	1790	.51	.70	.87	36,900	1930	.53	.72	.91	34,100	2100	.55	.76	.94	31,300	2310	.57	.80	.94

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

HS14-511V-513V WITH CR16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	46,400	3950	.73	.83	.93	44,300	4210	.74	.85	.95	42,200	4470	.75	.86	.97	40,200	4720	.77	.89	1.00
	1600	49,200	4060	.79	.91	1.00	46,900	4330	.80	.93	1.00	44,600	4600	.82	.95	1.00	42,400	4860	.85	.98	1.00
	2000	51,300	4130	.84	.98	1.00	48,600	4410	.87	1.00	1.00	46,500	4700	.89	1.00	1.00	44,400	4980	.92	1.00	1.00
67	1200	50,200	4100	.58	.67	.77	47,900	4370	.58	.68	.78	45,600	4650	.59	.70	.80	43,200	4910	.60	.71	.82
	1600	52,800	4190	.61	.73	.84	50,200	4470	.62	.74	.86	47,600	4750	.63	.76	.89	45,100	5020	.65	.78	.91
	2000	54,500	4250	.65	.78	.91	51,700	4540	.66	.80	.94	48,900	4820	.68	.83	.97	46,300	5090	.70	.85	1.00
71	1200	54,200	4240	.44	.53	.62	51,600	4540	.45	.54	.63	49,000	4830	.45	.55	.64	46,500	5100	.45	.56	.66
	1600	56,700	4330	.46	.56	.67	53,900	4630	.46	.58	.69	51,100	4920	.47	.59	.71	48,300	5210	.47	.60	.73
	2000	58,300	4390	.47	.60	.72	55,300	4690	.48	.61	.75	52,300	4990	.49	.63	.77	49,400	5270	.50	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-511V-513V WITH CH16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	32,400	1780	.85	.96	1.00	30,900	1890	.88	.96	1.00	29,200	2040	.91	.96	1.00	27,400	2240	.95	.96	1.00
	1600	35,100	1780	.96	1.00	1.00	33,300	1910	.96	1.00	1.00	31,300	2070	.96	1.00	1.00	29,100	2270	.96	1.00	1.00
	2000	37,000	1790	1.00	1.00	1.00	35,000	1920	1.00	1.00	1.00	32,700	2090	1.00	1.00	1.00	30,300	2300	1.00	1.00	1.00
67	1200	34,500	1780	.64	.78	.92	32,500	1900	.66	.81	.95	30,300	2060	.69	.84	.96	28,100	2250	.71	.88	.96
	1600	36,000	1780	.71	.88	.96	33,800	1910	.74	.92	1.00	31,300	2070	.77	.96	1.00	29,200	2270	.81	.96	1.00
	2000	37,100	1790	.79	.96	1.00	35,000	1920	.82	1.00	1.00	32,800	2090	.85	1.00	1.00	30,400	2300	.90	1.00	1.00
71	1200	37,500	1790	.46	.59	.72	35,100	1920	.47	.61	.75	32,600	2080	.48	.63	.78	29,900	2290	.50	.66	.82
	1600	38,700	1790	.50	.66	.82	36,100	1930	.51	.68	.85	33,400	2100	.53	.71	.90	30,600	2300	.55	.75	.95
	2000	39,500	1790	.53	.73	.91	36,800	1930	.55	.76	.95	34,000	2100	.57	.79	.96	31,100	2320	.59	.84	1.00

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

HS14-511V-513V WITH CH16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	47,100	4140	.73	.84	.94	44,900	4410	.74	.85	.96	42,700	4690	.76	.87	.98	40,600	4950	.78	.90	1.00
	1600	49,800	4250	.80	.92	1.00	47,400	4530	.81	.94	1.00	45,100	4810	.84	.97	1.00	42,600	5080	.86	1.00	1.00
	2000	51,800	4320	.86	1.00	1.00	49,500	4630	.89	1.00	1.00	47,300	4930	.91	1.00	1.00	45,100	5230	.94	1.00	1.00
67	1200	50,900	4290	.58	.68	.77	48,500	4580	.59	.69	.79	46,000	4870	.60	.70	.81	43,600	5140	.61	.72	.83
	1600	53,400	4380	.62	.74	.85	50,700	4680	.63	.75	.88	47,900	4970	.64	.78	.90	45,400	5250	.66	.80	.93
	2000	55,100	4450	.66	.80	.93	52,200	4750	.68	.82	.96	49,400	5040	.69	.85	.99	46,600	5330	.71	.88	1.00
71	1200	54,900	4440	.45	.54	.63	52,200	4750	.45	.54	.64	49,600	5050	.45	.55	.65	46,900	5340	.46	.56	.67
	1600	57,300	4530	.46	.57	.68	54,400	4840	.47	.58	.70	51,400	5150	.47	.60	.72	48,500	5440	.48	.61	.74
	2000	59,000	4590	.48	.61	.74	55,800	4900	.49	.63	.76	52,700	5210	.50	.64	.79	49,600	5500	.50	.66	.82

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

HS14-511V-513V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	32,900	1780	.85	.96	1.00	31,400	1900	.88	.96	1.00	29,700	2050	.91	.96	1.00	27,900	2240	.95	.96	1.00
	1600	35,800	1790	.96	1.00	1.00	34,000	1910	1.00	1.00	1.00	31,900	2080	1.00	1.00	1.00	29,700	2280	1.00	1.00	1.00
	2000	37,800	1790	1.00	1.00	1.00	35,700	1920	1.00	1.00	1.00	33,400	2090	1.00	1.00	1.00	30,900	2310	1.00	1.00	1.00
67	1200	35,200	1780	.64	.78	.91	33,100	1910	.66	.81	.95	30,800	2060	.68	.84	.96	28,500	2250	.71	.88	.96
	1600	36,700	1790	.71	.88	.96	34,500	1920	.74	.92	1.00	32,000	2080	.77	.96	1.00	29,700	2280	.81	.96	1.00
	2000	37,800	1790	.78	.96	1.00	35,700	1920	.81	1.00	1.00	33,400	2090	.85	1.00	1.00	30,900	2310	.90	1.00	1.00
71	1200	38,200	1790	.46	.59	.72	35,700	1920	.47	.61	.74	33,100	2090	.48	.63	.78	30,400	2300	.50	.66	.82
	1600	39,400	1800	.50	.66	.82	36,800	1930	.51	.68	.85	34,000	2100	.53	.71	.89	31,100	2310	.55	.75	.95
	2000	40,200	1800	.53	.72	.91	37,500	1940	.55	.75	.95	34,600	2110	.57	.79	.96	31,600	2320	.59	.84	1.00

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

HS14-511V-513V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (High Speed Compressor Operation)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1200	47,000	3980	.73	.83	.93	44,800	4240	.74	.85	.95	42,700	4500	.76	.87	.98	40,500	4760	.77	.89	1.00
	1600	49,900	4090	.79	.92	1.00	47,500	4360	.81	.94	1.00	45,200	4640	.83	.97	1.00	42,400	4890	.86	1.00	1.00
	2000	51,500	4160	.86	1.00	1.00	49,600	4450	.88	1.00	1.00	47,300	4750	.91	1.00	1.00	45,100	5030	.94	1.00	1.00
67	1200	50,800	4120	.58	.67	.77	48,400	4400	.59	.69	.79	45,900	4680	.60	.70	.81	43,500	4940	.61	.72	.83
	1600	53,500	4220	.62	.73	.85	50,700	4500	.63	.75	.87	48,000	4780	.64	.77	.90	45,400	5050	.66	.80	.93
	2000	55,100	4280	.66	.80	.93	52,200	4570	.67	.82	.96	49,400	4850	.69	.85	.99	46,600	5120	.71	.87	1.00
71	1200	54,800	4270	.44	.53	.62	52,100	4560	.45	.54	.63	49,400	4850	.45	.55	.65	46,700	5130	.45	.56	.66
	1600	57,400	4360	.46	.57	.68	54,400	4660	.47	.58	.70	51,400	4950	.47	.59	.72	48,500	5230	.48	.61	.74
	2000	58,900	4420	.48	.61	.74	55,700	4720	.49	.62	.76	52,600	5010	.49	.64	.79	49,600	5290	.50	.66	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-511V-513V WITH C16-51FF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	1200	31,600	1780	.84	.95	1.00	30,200	1900	.86	.95	1.00	28,600	2040	.90	.95	1.00	26,900	2230	.93	1.00	1.00
	1600	34,200	1780	.94	1.00	1.00	32,500	1910	.95	1.00	1.00	30,600	2070	1.00	1.00	1.00	28,500	2270	1.00	1.00	1.00
	2000	35,900	1790	1.00	1.00	1.00	34,000	1920	1.00	1.00	1.00	31,800	2080	1.00	1.00	1.00	29,500	2290	1.00	1.00	1.00
67	1200	33,800	1780	.63	.77	.90	31,900	1900	.65	.80	.93	29,700	2060	.67	.83	.95	27,500	2250	.70	.87	.95
	1600	35,200	1790	.70	.86	.95	33,000	1910	.72	.90	1.00	30,800	2070	.75	.94	1.00	28,500	2270	.79	.95	1.00
	2000	35,900	1790	.76	.95	1.00	34,000	1920	.79	1.00	1.00	31,900	2090	.82	1.00	1.00	29,600	2300	.87	1.00	1.00
71	1200	36,800	1790	.46	.58	.71	34,500	1920	.46	.60	.73	32,000	2090	.48	.62	.77	29,400	2290	.49	.65	.80
	1600	37,900	1790	.49	.64	.80	35,400	1930	.50	.67	.83	32,800	2100	.51	.70	.87	30,000	2310	.53	.73	.92
	2000	38,600	1800	.52	.70	.88	36,000	1930	.53	.73	.92	33,300	2100	.55	.76	.95	30,500	2310	.57	.81	1.00

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

HS14-511V-513V WITH C16-51FF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	1200	47,500	3990	.73	.83	.93	45,300	4250	.74	.85	.95	43,100	4520	.76	.87	.98	41,000	4770	.77	.89	1.00
	1600	50,100	4090	.79	.91	1.00	47,700	4360	.81	.94	1.00	45,400	4630	.83	.96	1.00	43,100	4900	.85	.99	1.00
	2000	52,100	4160	.85	.98	1.00	49,400	4440	.87	1.00	1.00	47,200	4730	.89	1.00	1.00	45,100	5020	.92	1.00	1.00
67	1200	51,400	4140	.58	.67	.77	49,000	4420	.59	.69	.79	46,500	4690	.59	.70	.80	44,100	4960	.60	.72	.83
	1600	53,800	4230	.61	.73	.84	51,100	4510	.62	.75	.87	48,500	4790	.64	.77	.89	45,800	5060	.65	.79	.92
	2000	55,400	4280	.65	.78	.92	52,500	4570	.66	.81	.94	49,700	4850	.68	.83	.97	47,000	5120	.70	.86	1.00
71	1200	55,500	4290	.44	.53	.62	52,800	4580	.45	.54	.63	50,100	4870	.45	.55	.65	47,500	5150	.45	.56	.66
	1600	57,900	4370	.46	.57	.68	54,900	4670	.46	.58	.69	52,000	4970	.47	.59	.71	49,100	5250	.48	.60	.73
	2000	59,400	4420	.47	.60	.73	56,300	4720	.48	.62	.75	53,200	5020	.49	.63	.77	50,100	5300	.50	.65	.80

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

HS14-511V-513V WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			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)	Total Cool Cap. (Btuh)	Comp. Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb (°F)								
														76	80	84	76	80	84	76	80
63	1200	33,900	1780	.84	.95	1.00	32,300	1900	.87	1.00	1.00	30,500	2060	.91	1.00	1.00	28,500	2250	1.00	1.00	1.00
	1600	37,100	1790	.95	1.00	1.00	35,000	1920	1.00	1.00	1.00	32,800	2090	1.00	1.00	1.00	30,400	2300	1.00	1.00	1.00
	2000	39,100	1790	1.00	1.00	1.00	36,800	1930	1.00	1.00	1.00	34,300	2100	1.00	1.00	1.00	31,700	2320	1.00	1.00	1.00
67	1200	36,100	1780	.64	.78	.91	33,900	1910	.66	.81	.95	31,500	2070	.68	.84	.95	29,100	2260	.71	.88	.95
	1600	37,700	1790	.72	.89	.95	35,400	1920	.74	.92	1.00	32,800	2090	.78	.95	1.00	30,500	2300	.82	1.00	1.00
	2000	39,200	1790	.79	.95	1.00	36,800	1930	.83	1.00	1.00	34,300	2100	.87	1.00	1.00	31,700	2320	.92	1.00	1.00
71	1200	39,100	1790	.46	.59	.72	36,500	1930	.47	.61	.74	33,800	2100	.48	.63	.78	30,900	2310	.50	.66	.82
	1600	40,400	1800	.50	.66	.82	37,800	1940	.51	.69	.86	34,700	2110	.53	.72	.90	31,700	2320	.55	.76	.95
	2000	41,300	1800	.54	.73	.92	38,300	1940	.55	.77	.95	35,300	2120	.58	.81	1.00	32,200	2330	.60	.86	1.00

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

HS14-511V-513V WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT (High Speed Compressor Operation)

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)								
														76	80	84	76	80	84	76	80
63	1200	48,600	4040	.73	.83	.93	46,300	4310	.74	.85	.96	43,900	4570	.76	.87	.98	41,600	4830	.78	.90	1.00
	1600	51,700	4160	.80	.92	1.00	49,100	4440	.82	.95	1.00	46,500	4710	.84	.98	1.00	44,100	4980	.87	1.00	1.00
	2000	53,900	4240	.87	1.00	1.00	51,500	4540	.90	1.00	1.00	49,100	4840	.93	1.00	1.00	46,700	5130	.96	1.00	1.00
67	1200	52,400	4180	.58	.68	.77	49,800	4460	.59	.69	.79	47,200	4740	.60	.70	.81	44,600	5010	.61	.72	.83
	1600	55,100	4280	.62	.74	.86	52,200	4570	.63	.76	.88	49,400	4850	.65	.78	.91	46,600	5130	.67	.81	.94
	2000	56,900	4350	.67	.81	.95	53,800	4640	.68	.84	.98	50,800	4930	.70	.86	1.00	47,900	5200	.72	.89	1.00
71	1200	56,400	4330	.45	.53	.62	53,600	4630	.45	.54	.64	50,700	4920	.45	.55	.65	47,900	5200	.46	.56	.67
	1600	59,100	4420	.46	.58	.69	55,800	4720	.47	.59	.71	52,700	5020	.47	.60	.73	49,700	5300	.48	.62	.75
	2000	60,600	4480	.48	.62	.75	57,200	4780	.49	.64	.78	53,900	5080	.50	.65	.80	50,700	5360	.51	.67	.83

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

RATINGS

NOTE — To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-511V-513V WITH C14-65(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	1200	34,200	1780	.84	.94	1.00	32,500	1900	.87	1.00	1.00	30,700	2060	.90	1.00	1.00	28,700	2260	1.00	1.00	1.00
	1600	37,300	1790	.94	1.00	1.00	35,200	1920	1.00	1.00	1.00	33,000	2090	1.00	1.00	1.00	30,500	2300	1.00	1.00	1.00
	2000	39,400	1800	1.00	1.00	1.00	37,000	1930	1.00	1.00	1.00	34,400	2110	1.00	1.00	1.00	31,700	2330	1.00	1.00	1.00
67	1200	36,500	1790	.63	.77	.90	34,200	1910	.65	.80	.94	31,700	2070	.68	.84	1.00	29,200	2270	.71	.88	1.00
	1600	38,100	1790	.71	.88	1.00	35,600	1920	.74	.92	1.00	33,000	2090	.77	.94	1.00	30,600	2300	.81	1.00	1.00
	2000	39,500	1800	.79	.94	1.00	37,100	1930	.82	1.00	1.00	34,500	2110	.86	1.00	1.00	31,800	2330	.91	1.00	1.00
71	1200	39,500	1800	.46	.58	.71	36,900	1930	.47	.60	.74	34,000	2100	.48	.63	.77	31,100	2320	.49	.66	.82
	1600	40,900	1800	.49	.66	.82	38,000	1940	.51	.68	.85	34,900	2110	.52	.72	.90	31,900	2330	.55	.76	.94
	2000	41,700	1800	.53	.73	.92	38,600	1950	.55	.76	.94	35,500	2120	.57	.80	1.00	32,400	2340	.60	.85	1.00

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

HS14-511V-513V WITH C14-65(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	1200	49,800	4130	.73	.83	.93	47,300	4400	.74	.85	.95	44,900	4670	.76	.87	.98	42,500	4930	.78	.89	1.00
	1600	52,800	4240	.80	.92	1.00	50,100	4530	.82	.95	1.00	47,500	4810	.84	.98	1.00	44,900	5070	.87	1.00	1.00
	2000	55,000	4320	.87	1.00	1.00	52,500	4630	.89	1.00	1.00	50,000	4930	.92	1.00	1.00	47,500	5230	.95	1.00	1.00
67	1200	53,700	4280	.58	.67	.77	51,000	4560	.59	.69	.78	48,300	4850	.59	.70	.80	45,600	5120	.61	.72	.83
	1600	56,500	4380	.62	.74	.85	53,500	4670	.63	.76	.88	50,500	4960	.65	.78	.91	47,600	5230	.66	.80	.94
	2000	58,200	4440	.66	.81	.94	55,000	4740	.68	.83	.97	51,900	5030	.70	.86	1.00	48,800	5310	.72	.89	1.00
71	1200	57,900	4430	.44	.53	.62	54,900	4730	.45	.54	.63	51,900	5030	.45	.55	.65	49,000	5310	.46	.56	.66
	1600	60,600	4520	.46	.57	.68	57,200	4830	.47	.58	.70	54,000	5130	.47	.60	.72	50,700	5420	.48	.61	.75
	2000	62,100	4580	.48	.62	.75	58,600	4890	.49	.63	.77	55,200	5190	.50	.65	.80	51,800	5480	.51	.67	.83

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

HS14-511V-513V WITH CH16-65V EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	1200	33,600	1780	.84	.95	1.00	32,000	1900	.86	1.00	1.00	30,200	2050	.90	1.00	1.00	28,300	2250	.94	1.00	1.00
	1600	36,700	1790	.95	1.00	1.00	34,700	1920	1.00	1.00	1.00	32,500	2080	1.00	1.00	1.00	30,200	2290	1.00	1.00	1.00
	2000	38,800	1790	1.00	1.00	1.00	36,500	1930	1.00	1.00	1.00	34,000	2100	1.00	1.00	1.00	31,400	2320	1.00	1.00	1.00
67	1200	36,000	1780	.63	.77	.90	33,700	1910	.65	.80	.93	31,400	2070	.67	.83	.95	28,900	2260	.70	.87	1.00
	1600	37,600	1790	.70	.87	1.00	35,200	1920	.73	.91	1.00	32,500	2080	.76	.95	1.00	30,200	2290	.80	1.00	1.00
	2000	38,800	1790	.78	1.00	1.00	36,500	1930	.81	1.00	1.00	34,100	2100	.85	1.00	1.00	31,500	2320	.90	1.00	1.00
71	1200	39,000	1790	.46	.58	.71	36,400	1930	.46	.60	.73	33,700	2100	.48	.62	.77	30,900	2310	.49	.65	.81
	1600	40,400	1800	.49	.65	.81	37,600	1940	.50	.68	.84	34,600	2110	.52	.71	.89	31,600	2320	.54	.75	.94
	2000	41,200	1800	.53	.72	.90	38,300	1940	.54	.75	.95	35,200	2120	.56	.79	1.00	32,100	2330	.59	.84	1.00

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

HS14-511V-513V WITH CH16-65V EVAPORATOR UNIT (High Speed Compressor Operation)

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)							
76	80	84	76	80	84	76	80	84	76	80	84										
63	1200	49,500	4090	.73	.83	.92	47,100	4360	.74	.85	.95	44,700	4630	.75	.87	.97	42,400	4890	.77	.89	1.00
	1600	52,600	4200	.79	.91	1.00	50,000	4480	.81	.94	1.00	47,400	4760	.83	.97	1.00	44,500	5030	.86	1.00	1.00
	2000	54,300	4280	.86	1.00	1.00	52,200	4580	.88	1.00	1.00	49,700	4890	.91	1.00	1.00	47,300	5180	.94	1.00	1.00
67	1200	53,500	4240	.58	.67	.76	50,900	4520	.58	.68	.78	48,200	4810	.59	.70	.80	45,600	5080	.60	.71	.82
	1600	56,400	4340	.61	.73	.85	53,400	4630	.63	.75	.87	50,400	4920	.64	.77	.90	47,600	5190	.66	.80	.93
	2000	58,200	4410	.66	.80	.93	55,000	4700	.67	.82	.96	51,900	4990	.69	.85	.99	48,900	5270	.71	.88	1.00
71	1200	57,700	4390	.44	.53	.62	54,800	4690	.45	.54	.63	51,800	4990	.45	.55	.64	48,900	5270	.45	.56	.66
	1600	60,500	4490	.46	.57	.68	57,200	4790	.46	.58	.70	54,000	5090	.47	.59	.72	50,800	5380	.48	.61	.74
	2000	62,100	4550	.48	.61	.74	58,700	4850	.49	.62	.76	55,300	5150	.49	.64	.79	52,000	5440	.50	.66	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-511V-513V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		75						85						95						105					
		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)						
			76	80	84				76	80	84				76	80	84				76	80	84		
63	1200	33,100	1730	.86	.99	1.00	31,500	1920	.88	1.00	1.00	30,100	2130	.91	1.00	1.00	28,600	2340	.94	1.00	1.00	1.00	1.00		
	1500	35,100	1720	.94	1.00	1.00	33,500	1930	.97	1.00	1.00	31,900	2150	.99	1.00	1.00	30,300	2370	1.00	1.00	1.00	1.00	1.00		
	1800	36,600	1730	1.00	1.00	1.00	35,000	1940	1.00	1.00	1.00	33,200	2160	1.00	1.00	1.00	31,300	2400	1.00	1.00	1.00	1.00	1.00		
67	1200	34,800	1720	.66	.80	.93	33,000	1930	.68	.82	.96	31,000	2140	.70	.84	.99	29,300	2360	.72	.87	.97	1.00	1.00		
	1500	36,000	1720	.71	.87	1.00	34,200	1930	.73	.89	1.00	32,300	2150	.76	.93	1.00	30,300	2380	.78	.97	1.00	1.00	1.00		
	1800	36,900	1730	.76	.94	1.00	35,100	1940	.79	.97	1.00	33,300	2160	.81	1.00	1.00	31,300	2400	.85	1.00	1.00	1.00	1.00		
71	1200	36,800	1730	.49	.61	.74	34,800	1940	.49	.63	.76	33,000	2160	.50	.65	.79	30,900	2390	.51	.67	.81	1.00	1.00		
	1500	38,000	1730	.51	.66	.81	35,900	1950	.52	.68	.84	33,900	2170	.53	.70	.87	31,800	2410	.54	.72	.90	1.00	1.00		
	1800	38,800	1740	.54	.71	.88	36,800	1950	.55	.73	.91	34,700	2180	.56	.76	.94	32,500	2420	.58	.79	.98	1.00	1.00		

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

HS14-511V-513V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT (High Speed Compressor Operation)

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)						
			76	80	84				76	80	84				76	80	84				76	80	84		
63	1200	48,800	3940	.71	.82	.92	46,500	4200	.73	.84	.94	44,200	4450	.74	.86	.96	41,800	4670	.76	.88	.99	1.00	1.00		
	1500	51,400	4050	.76	.88	.98	49,100	4310	.78	.90	1.00	46,600	4560	.80	.93	1.00	44,100	4800	.83	.96	1.00	1.00	1.00		
	1800	53,700	4130	.81	.94	1.00	51,200	4390	.83	.96	1.00	48,600	4660	.86	.98	1.00	45,900	4920	.88	1.00	1.00	1.00	1.00		
67	1200	51,800	4060	.57	.66	.75	49,400	4330	.58	.67	.77	47,000	4580	.59	.69	.79	44,400	4820	.60	.70	.82	1.00	1.00		
	1500	54,600	4160	.60	.70	.81	52,000	4430	.61	.72	.84	49,300	4700	.62	.74	.86	46,500	4950	.63	.76	.89	1.00	1.00		
	1800	56,500	4230	.63	.75	.87	53,700	4510	.64	.77	.90	50,900	4780	.65	.79	.93	47,800	5040	.67	.82	.96	1.00	1.00		
71	1200	54,700	4160	.44	.53	.61	52,200	4440	.44	.54	.62	49,700	4720	.45	.54	.64	46,900	4980	.45	.56	.65	1.00	1.00		
	1500	57,600	4260	.45	.56	.65	54,800	4550	.46	.57	.67	52,000	4840	.46	.58	.69	49,000	5110	.47	.59	.71	1.00	1.00		
	1800	59,500	4330	.47	.58	.69	56,600	4630	.47	.60	.71	53,600	4920	.48	.61	.73	50,400	5200	.49	.63	.76	1.00	1.00		

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

HS14-511V-513V WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																							
		75						85						95						105					
		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)						
			76	80	84				76	80	84				76	80	84				76	80	84		
63	1200	33,900	1720	.85	.98	1.00	32,200	1930	.87	1.00	1.00	30,700	2140	.90	1.00	1.00	29,200	2370	.93	1.00	1.00	1.00	1.00		
	1500	35,900	1730	.92	1.00	1.00	34,400	1940	.95	1.00	1.00	32,700	2170	.98	1.00	1.00	30,900	2400	1.00	1.00	1.00	1.00	1.00		
	1800	37,600	1730	.99	1.00	1.00	35,900	1950	1.00	1.00	1.00	34,100	2180	1.00	1.00	1.00	32,100	2430	1.00	1.00	1.00	1.00	1.00		
67	1200	36,200	1730	.65	.78	.92	34,200	1940	.67	.81	.94	32,400	2160	.69	.83	.98	30,300	2390	.71	.86	1.00	1.00	1.00		
	1500	37,500	1730	.70	.86	1.00	35,100	1950	.72	.89	1.00	33,300	2180	.74	.92	1.00	31,300	2410	.77	.95	1.00	1.00	1.00		
	1800	38,200	1740	.75	.93	1.00	36,000	1960	.77	.96	1.00	34,100	2190	.80	.99	1.00	32,100	2420	.83	1.00	1.00	1.00	1.00		
71	1200	37,900	1740	.48	.61	.73	36,000	1950	.49	.62	.75	34,100	2180	.50	.64	.77	31,900	2420	.51	.66	.80	1.00	1.00		
	1500	39,400	1740	.51	.65	.80	37,200	1970	.52	.67	.82	35,100	2200	.53	.69	.85	33,000	2440	.54	.71	.89	1.00	1.00		
	1800	40,300	1750	.53	.70	.88	38,100	1970	.54	.72	.90	35,900	2210	.55	.74	.93	33,700	2450	.57	.77	.97	1.00	1.00		

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

HS14-511V-513V WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT (High Speed Compressor Operation)

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)						
			76	80	84				76	80	84				76	80	84				76	80	84		
63	1200	51,200	4000	.71	.80	.90	48,800	4270	.72	.82	.92	46,200	4510	.73	.84	.95	43,600	4750	.75	.87	.98	1.00	1.00		
	1500	54,100	4110	.75	.86	.97	51,400	4380	.77	.89	.99	48,800	4640	.78	.91	1.00	45,900	4890	.81	.94	1.00	1.00	1.00		
	1800	56,200	4180	.79	.92	1.00	53,400	4460	.81	.95	1.00	50,400	4730	.84	.98	1.00	47,700	4990	.87	1.00	1.00	1.00	1.00		
67	1200	54,200	4110	.57	.66	.74	51,700	4390	.58	.67	.76	49,000	4650	.58	.68	.78	46,200	4910	.60	.70	.80	1.00	1.00		
	1500	57,100	4220	.59	.69	.80	54,500	4500	.60	.71	.82	51,600	4780	.62	.73	.85	48,400	5050	.63	.75	.88	1.00	1.00		
	1800	59,400	4290	.62	.74	.86	56,400	4590	.63	.76	.88	53,200	4870	.65	.78	.91	50,000	5140	.66	.81	.95	1.00	1.00		
71	1200	57,000	4210	.44	.53	.61	54,500	4500	.45	.54	.62	51,600	4790	.45	.54	.63	48,700	5060	.45	.55	.65	1.00	1.00		
	1500	60,100	4320	.46	.55	.65	57,200	4620	.46	.56	.66	54,100	4910	.46	.57	.68	50,900	5200	.47	.59	.70	1.00	1.00		
	1800	62,200	4390	.47	.58	.69	59,100	4700	.47	.59	.70	55,800	5000	.48	.60	.72	52,400	5290	.49	.62	.75	1.00	1.00		

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

RATINGS

NOTE — To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-651V-653V WITH CH16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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	1500	39,500	2020	.77	.95	1.00	37,600	2320	.79	.98	1.00	35,800	2640	.81	1.00	1.00	34,000	2990	.83	1.00	1.00
	2000	42,400	1990	.85	1.00	1.00	40,600	2300	.88	1.00	1.00	38,700	2650	.92	1.00	1.00	36,700	3020	.96	1.00	1.00
	2500	44,900	1960	.91	1.00	1.00	42,900	2290	.98	1.00	1.00	40,700	2650	1.00	1.00	1.00	38,500	3030	1.00	1.00	1.00
67	1500	41,900	1990	.59	.75	.90	40,000	2300	.60	.76	.93	37,800	2650	.62	.78	.97	35,600	3010	.63	.81	1.00
	2000	44,200	1970	.64	.83	1.00	42,100	2290	.66	.85	1.00	39,700	2640	.69	.88	1.00	37,400	3030	.70	.92	1.00
	2500	45,700	1950	.70	.92	1.00	43,200	2280	.72	.96	1.00	41,000	2640	.74	.98	1.00	38,500	3040	.76	1.00	1.00
71	1500	44,600	1970	.43	.58	.72	42,500	2280	.44	.59	.74	40,200	2640	.44	.60	.76	37,800	3030	.45	.62	.78
	2000	46,900	1940	.45	.67	.80	44,400	2270	.46	.65	.82	41,900	2640	.47	.67	.85	39,400	3050	.48	.69	.89
	2500	48,100	1930	.48	.69	.89	45,500	2270	.50	.71	.92	43,000	2650	.50	.73	.96	40,400	3060	.51	.75	.99

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

HS14-651V-653V WITH CH16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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	1500	59,000	5560	.67	.79	.92	56,200	5990	.68	.81	.94	53,400	6420	.69	.83	.96	50,400	6830	.71	.86	.99
	2000	63,500	5710	.72	.87	1.00	60,400	6170	.74	.89	1.00	57,300	6620	.76	.92	1.00	53,700	7060	.78	.95	1.00
	2500	66,200	5810	.77	.94	1.00	63,300	6290	.79	.97	1.00	59,700	6760	.82	.99	1.00	56,300	7230	.85	1.00	1.00
67	1500	62,900	5690	.54	.64	.75	60,000	6140	.54	.65	.77	56,900	6600	.55	.67	.79	53,700	7050	.56	.68	.82
	2000	67,300	5840	.56	.69	.83	63,900	6320	.57	.71	.85	60,500	6800	.58	.73	.88	57,000	7280	.60	.75	.91
	2500	70,100	5940	.59	.75	.91	66,700	6440	.60	.77	.93	63,200	6950	.62	.79	.96	59,500	7440	.63	.82	.99
71	1500	66,800	5820	.41	.52	.62	63,700	6300	.42	.52	.63	60,400	6790	.42	.53	.64	57,200	7280	.42	.54	.66
	2000	71,400	5980	.42	.55	.67	67,900	6490	.43	.56	.68	64,300	7010	.43	.57	.70	60,600	7520	.44	.58	.72
	2500	74,300	6080	.44	.58	.72	70,700	6610	.44	.59	.74	66,800	7150	.45	.61	.76	62,900	7670	.45	.62	.79

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

HS14-651V-653V WITH CR16-51FF EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75			85			95			105										
		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	1500	36,400	2040	.73	.90	1.00	34,600	2330	.75	.92	1.00	32,600	2630	.76	.96	1.00	30,900	2940	.78	.98	1.00
	2000	38,700	2030	.79	.99	1.00	36,900	2320	.81	1.00	1.00	35,200	2640	.84	1.00	1.00	33,400	2980	.87	1.00	1.00
	2500	40,900	2000	.86	1.00	1.00	39,100	2310	.89	1.00	1.00	37,300	2650	.92	1.00	1.00	35,300	3000	.96	1.00	1.00
67	1500	38,900	2030	.57	.71	.85	37,100	2320	.58	.72	.87	35,100	2640	.59	.74	.90	33,000	2970	.60	.76	.94
	2000	41,100	2000	.61	.76	.95	39,100	2310	.62	.78	.98	36,900	2650	.63	.81	1.00	34,600	3000	.64	.84	1.00
	2500	42,600	1990	.64	.83	1.00	40,400	2300	.65	.86	1.00	38,200	2650	.67	.89	1.00	35,500	3010	.68	.93	1.00
71	1500	41,600	2000	.43	.56	.68	39,600	2310	.43	.57	.69	37,500	2650	.44	.58	.71	35,300	3000	.44	.59	.73
	2000	43,700	1980	.44	.60	.74	41,600	2290	.45	.61	.76	39,400	2640	.45	.62	.78	37,000	3020	.46	.63	.81
	2500	45,400	1950	.46	.63	.80	43,100	2280	.46	.64	.83	40,600	2640	.47	.66	.86	38,100	3040	.48	.68	.89

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

HS14-651V-653V WITH CR16-51FF EVAPORATOR UNIT (High Speed Compressor Operation)

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	1500	54,900	5410	.66	.77	.88	52,300	5820	.67	.78	.90	49,600	6210	.68	.80	.92	46,700	6580	.69	.82	.94
	2000	59,200	5570	.69	.82	.95	56,300	5990	.70	.84	.97	53,200	6410	.72	.86	.99	49,900	6810	.74	.89	1.00
	2500	62,200	5670	.73	.87	1.00	58,900	6110	.74	.90	1.00	55,900	6540	.76	.92	1.00	52,600	6960	.78	.95	1.00
67	1500	58,600	5540	.53	.63	.73	55,900	5970	.54	.64	.74	53,000	6400	.54	.65	.76	50,000	6800	.55	.66	.78
	2000	63,200	5700	.55	.66	.78	60,100	6160	.56	.68	.80	56,900	6610	.57	.69	.82	53,500	7040	.58	.71	.85
	2500	66,300	5810	.57	.70	.84	63,000	6280	.58	.71	.86	59,500	6750	.59	.73	.88	55,900	7200	.60	.75	.91
71	1500	62,200	5660	.41	.51	.60	59,400	6120	.41	.52	.61	56,400	6580	.41	.52	.62	53,300	7030	.41	.53	.64
	2000	67,000	5830	.42	.53	.64	63,800	6320	.42	.54	.65	60,400	6800	.42	.55	.66	56,900	7270	.43	.56	.68
	2500	70,300	5940	.43	.56	.67	66,800	6450	.43	.57	.69	63,200	6950	.44	.58	.71	59,500	7450	.44	.59	.73

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

RATINGS

NOTE — To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, page 9.

HS14-511V-513V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT (Low Speed Compressor Operation — Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	750	28,900	1910	.75	.86	.96	27,400	2090	.77	.88	.99	25,800	2280	.79	.91	1.00	24,100	2470	.81	.94	1.00
	850	29,800	1910	.78	.90	1.00	28,200	2090	.80	.92	1.00	26,600	2290	.82	.95	1.00	25,000	2490	.85	.98	1.00
	950	30,700	1900	.81	.93	1.00	29,000	2100	.83	.96	1.00	27,300	2300	.86	.99	1.00	25,700	2510	.89	1.00	1.00
67	750	30,800	1900	.60	.70	.80	29,200	2100	.61	.71	.82	27,500	2300	.62	.73	.84	25,800	2520	.63	.75	.87
	850	31,800	1900	.61	.72	.83	30,100	2110	.63	.74	.85	28,400	2320	.64	.76	.88	26,600	2540	.66	.79	.92
	950	32,600	1900	.63	.75	.87	30,900	2120	.65	.77	.89	29,100	2330	.66	.79	.92	27,100	2550	.68	.82	.96
71	750	32,600	1910	.46	.55	.65	30,900	2120	.46	.56	.66	29,200	2340	.47	.57	.68	27,400	2560	.47	.59	.70
	850	33,600	1910	.47	.57	.67	31,900	2130	.47	.58	.69	30,100	2350	.48	.59	.71	28,200	2580	.48	.61	.73
	950	34,500	1920	.47	.59	.70	32,600	2140	.48	.60	.72	30,700	2370	.49	.61	.74	28,800	2600	.50	.63	.76

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

HS14-511V-513V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT (High Speed Compressor Operation — High Evaporator Unit Air Volume)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1550	52,800	4320	.77	.88	.98	50,200	4600	.79	.91	1.00	47,600	4880	.81	.93	1.00	44,900	5140	.83	.96	1.00
	1700	53,900	4360	.79	.91	1.00	51,300	4650	.81	.93	1.00	48,500	4930	.83	.96	1.00	45,900	5200	.86	.99	1.00
	1850	54,900	4400	.81	.94	1.00	52,200	4690	.84	.96	1.00	49,500	4970	.86	.98	1.00	46,600	5250	.89	1.00	1.00
67	1550	56,000	4440	.61	.72	.82	53,200	4740	.62	.73	.84	50,400	5030	.63	.75	.87	47,500	5310	.65	.77	.90
	1700	57,000	4480	.62	.74	.85	54,200	4780	.64	.76	.87	51,300	5080	.65	.78	.90	48,200	5360	.67	.80	.93
	1850	58,000	4510	.64	.76	.88	55,000	4820	.65	.78	.90	52,000	5120	.67	.80	.93	48,900	5400	.68	.83	.96
71	1550	58,900	4540	.46	.57	.67	56,000	4860	.47	.58	.68	53,100	5170	.48	.59	.70	50,000	5470	.48	.60	.72
	1700	59,900	4580	.47	.58	.69	57,000	4910	.48	.59	.70	53,900	5220	.48	.61	.72	50,800	5530	.49	.62	.75
	1850	60,900	4620	.48	.60	.71	57,800	4950	.49	.61	.73	54,700	5260	.49	.62	.75	51,400	5570	.50	.64	.77

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

HS14-511V-513V WITH CB21-65 OR CBH21-65 EVAPORATOR UNIT (Low Speed Compressor Operation — Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1000	32,400	1770	.80	.92	1.00	30,600	1970	.82	.94	1.00	28,900	2190	.84	.97	1.00	27,100	2410	.87	1.00	1.00
	1200	33,600	1760	.85	.98	1.00	31,900	1970	.87	1.00	1.00	30,300	2200	.90	1.00	1.00	28,700	2430	.94	1.00	1.00
	1400	35,000	1750	.89	1.00	1.00	33,400	1970	.93	1.00	1.00	31,700	2200	.96	1.00	1.00	29,900	2450	.99	1.00	1.00
67	1000	34,400	1750	.63	.74	.85	32,700	1970	.64	.76	.87	30,900	2200	.65	.78	.91	28,900	2430	.67	.81	.94
	1200	36,000	1750	.66	.78	.91	34,000	1970	.67	.81	.94	31,900	2210	.69	.83	.97	29,800	2440	.71	.87	1.00
	1400	36,900	1750	.69	.83	.97	34,900	1980	.70	.86	.99	32,800	2210	.73	.89	1.00	30,500	2450	.75	.93	1.00
71	1000	36,300	1750	.47	.58	.69	34,500	1980	.48	.59	.70	32,500	2210	.48	.61	.72	30,500	2450	.49	.62	.75
	1200	37,700	1750	.49	.61	.73	35,800	1980	.50	.62	.75	33,700	2220	.50	.64	.77	31,500	2470	.51	.66	.80
	1400	38,700	1750	.50	.64	.77	36,700	1980	.51	.65	.80	34,400	2230	.52	.67	.82	32,300	2480	.53	.70	.86

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

HS14-511V-513V WITH CB21-65 OR CBH21-65 EVAPORATOR UNIT (High Speed Compressor Operation — High Evaporator Unit Air Volume)

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)		
76	80	84	76	80	84	76	80	84	76	80	84	76	80	84							
63	1500	53,300	4340	.76	.86	.97	50,600	4630	.77	.88	.99	47,900	4900	.79	.91	1.00	45,200	5150	.81	.94	1.00
	1750	55,200	4410	.79	.91	1.00	52,400	4700	.81	.93	1.00	49,500	4980	.83	.96	1.00	46,500	5250	.86	.99	1.00
	2000	56,600	4460	.83	.95	1.00	53,600	4760	.85	.98	1.00	50,600	5050	.87	1.00	1.00	48,100	5350	.90	1.00	1.00
67	1500	56,500	4460	.60	.71	.80	53,700	4760	.61	.72	.83	50,900	5050	.62	.74	.85	47,800	5330	.64	.76	.88
	1750	58,500	4520	.62	.74	.85	55,500	4830	.64	.76	.87	52,300	5140	.65	.78	.90	49,100	5420	.67	.80	.93
	2000	59,900	4580	.65	.77	.89	56,800	4890	.66	.79	.92	53,500	5200	.68	.82	.95	50,200	5490	.70	.84	.98
71	1500	59,400	4560	.46	.56	.66	56,500	4880	.47	.57	.67	53,500	5200	.47	.58	.69	50,300	5490	.48	.59	.71
	1750	61,200	4630	.47	.58	.69	58,200	4960	.48	.59	.70	54,900	5280	.48	.60	.72	51,700	5580	.49	.62	.75
	2000	62,700	4680	.49	.60	.72	59,500	5020	.49	.62	.74	56,200	5340	.50	.63	.76	52,700	5650	.51	.65	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-651V-653V WITH C14-41FF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	75	80	85				
63	1500	40,100	2010	.78	.97	1.00	38,300	2320	.80	.99	1.00	36,400	2640	.82	1.00	1.00	34,600	3000	.85	1.00	1.00
	2000	43,400	1980	.87	1.00	1.00	41,500	2290	.90	1.00	1.00	39,500	2650	.94	1.00	1.00	37,400	3030	.98	1.00	1.00
	2500	45,800	1950	.98	1.00	1.00	43,700	2280	1.00	1.00	1.00	41,500	2640	1.00	1.00	1.00	39,200	3040	1.00	1.00	1.00
67	1500	42,300	1990	.60	.75	.92	40,300	2300	.61	.78	.95	38,100	2650	.62	.80	.99	35,800	3010	.64	.82	1.00
	2000	44,500	1960	.65	.84	1.00	42,400	2290	.67	.87	1.00	40,000	2640	.69	.91	1.00	37,700	3030	.71	.95	1.00
	2500	46,100	1940	.71	.95	1.00	43,900	2270	.73	.98	1.00	41,500	2640	.75	1.00	1.00	39,200	3050	.78	1.00	1.00
71	1500	45,200	1960	.43	.58	.73	43,000	2280	.44	.59	.75	40,700	2640	.44	.61	.77	38,200	3040	.45	.63	.80
	2000	47,300	1940	.46	.64	.82	44,900	2270	.46	.66	.84	42,400	2640	.47	.68	.87	39,700	3050	.48	.70	.92
	2500	48,600	1930	.48	.70	.92	46,100	2270	.49	.72	.96	43,300	2650	.50	.75	.99	40,500	3060	.51	.78	1.00

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

HS14-651V-653V WITH C14-41FF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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	75	80	85				
63	1500	59,500	5570	.68	.80	.93	56,600	6010	.69	.82	.95	53,700	6440	.70	.85	.98	50,600	6850	.72	.87	.99
	2000	63,800	5730	.73	.89	1.00	60,700	6180	.75	.92	1.00	57,400	6640	.77	.94	1.00	54,100	7090	.80	.97	1.00
	2500	67,100	5830	.79	.96	1.00	63,900	6310	.82	.98	1.00	60,500	6800	.84	.99	1.00	57,200	7290	.87	1.00	1.00
67	1500	63,600	5710	.54	.65	.76	60,500	6170	.54	.66	.78	57,400	6630	.55	.67	.80	54,000	7080	.56	.69	.83
	2000	67,900	5860	.57	.70	.85	64,500	6350	.58	.72	.88	61,000	6820	.59	.74	.90	57,300	7300	.60	.77	.94
	2500	70,700	5960	.60	.77	.93	66,900	6460	.62	.79	.95	63,300	6960	.63	.82	.98	59,600	7450	.65	.85	.99
71	1500	67,500	5850	.41	.52	.62	64,300	6330	.41	.53	.63	61,000	6820	.42	.53	.65	57,600	7310	.42	.54	.66
	2000	71,900	6000	.42	.55	.68	68,500	6520	.43	.56	.69	64,800	7040	.43	.58	.71	61,000	7550	.44	.59	.74
	2500	75,000	6110	.44	.59	.74	71,200	6640	.44	.60	.76	67,400	7170	.45	.62	.79	63,300	7690	.46	.63	.82

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

HS14-651V-653V WITH C16-51FF(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	75	80	85				
63	1500	38,000	2030	.76	.93	1.00	36,200	2330	.77	.96	1.00	34,400	2640	.79	.98	1.00	32,500	2970	.82	1.00	1.00
	2000	40,500	2010	.83	1.00	1.00	38,800	2310	.86	1.00	1.00	37,000	2650	.89	1.00	1.00	35,100	3000	.92	1.00	1.00
	2500	42,900	1980	.91	1.00	1.00	41,000	2300	.94	1.00	1.00	39,000	2650	.97	1.00	1.00	36,900	3020	1.00	1.00	1.00
67	1500	40,400	2010	.59	.73	.88	38,400	2320	.60	.75	.91	36,400	2640	.61	.77	.94	34,200	2990	.62	.79	.97
	2000	42,400	1990	.63	.81	.97	40,400	2310	.64	.83	1.00	38,200	2650	.66	.86	1.00	35,900	3010	.68	.89	1.00
	2500	44,000	1970	.67	.88	1.00	41,800	2290	.69	.91	1.00	39,500	2640	.71	.94	1.00	37,200	3020	.73	.98	1.00
71	1500	42,900	1990	.43	.57	.71	40,900	2300	.43	.58	.72	38,700	2650	.44	.59	.74	36,500	3010	.45	.61	.76
	2000	45,100	1960	.45	.62	.78	42,900	2280	.46	.63	.80	40,600	2640	.46	.65	.83	38,000	3040	.47	.67	.86
	2500	46,400	1940	.47	.66	.85	44,100	2270	.48	.68	.88	41,700	2640	.49	.70	.92	39,100	3050	.50	.72	.95

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

HS14-651V-653V WITH C16-51FF(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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	75	80	85				
63	1500	57,400	5500	.66	.78	.90	54,700	5920	.67	.79	.92	51,900	6340	.68	.81	.94	48,900	6730	.70	.84	.97
	2000	61,800	5650	.70	.85	.97	58,600	6100	.72	.87	.99	55,500	6530	.74	.89	1.00	52,300	6960	.76	.92	1.00
	2500	64,800	5750	.75	.91	1.00	61,600	6220	.77	.93	1.00	58,300	6680	.79	.96	1.00	54,800	7130	.82	.98	1.00
67	1500	61,000	5630	.53	.64	.74	58,200	6070	.54	.65	.75	55,300	6510	.55	.66	.77	52,100	6950	.55	.67	.80
	2000	65,600	5780	.56	.68	.81	62,400	6260	.56	.69	.83	59,100	6720	.57	.71	.86	55,500	7180	.59	.73	.88
	2500	68,700	5890	.58	.72	.87	65,200	6380	.59	.74	.90	61,600	6860	.60	.76	.92	57,800	7330	.62	.79	.95
71	1500	64,500	5740	.42	.51	.61	61,500	6220	.42	.52	.62	58,500	6690	.42	.53	.63	55,300	7150	.42	.54	.64
	2000	69,300	5910	.42	.54	.65	66,000	6410	.42	.55	.67	62,500	6910	.43	.56	.68	58,900	7400	.43	.57	.70
	2500	72,500	6020	.43	.57	.69	68,900	6540	.44	.58	.71	65,200	7060	.44	.59	.73	61,300	7570	.45	.60	.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 bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-651V-653V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																					
		75					85					95					105						
		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	39,000	2020	.75	.93	1.00	37,100	2320	.77	.96	1.00	35,300	2640	.80	.99	1.00	33,400	2980	.82	1.00	1.00		
	2000	41,700	2000	.83	1.00	1.00	39,900	2310	.86	1.00	1.00	38,000	2650	.90	1.00	1.00	36,100	3010	.93	1.00	1.00		
	2500	44,100	1970	.92	1.00	1.00	42,200	2290	.95	1.00	1.00	40,200	2640	.98	1.00	1.00	38,000	3040	1.00	1.00	1.00		
67	1500	41,600	2000	.58	.73	.88	39,700	2310	.59	.74	.91	37,400	2650	.60	.77	.95	35,300	3000	.62	.79	.98		
	2000	43,700	1980	.63	.80	.99	41,600	2290	.64	.82	1.00	39,400	2640	.66	.86	1.00	36,900	3020	.68	.90	1.00		
	2500	45,200	1950	.67	.89	1.00	43,000	2280	.69	.92	1.00	40,600	2640	.71	.96	1.00	38,100	3040	.73	.99	1.00		
71	1500	44,400	1970	.43	.57	.70	42,300	2290	.43	.58	.72	40,100	2640	.44	.59	.74	37,700	3030	.44	.61	.77		
	2000	46,600	1940	.45	.62	.78	44,200	2270	.45	.63	.80	41,800	2640	.46	.65	.82	39,200	3050	.47	.67	.86		
	2500	48,000	1930	.47	.66	.86	45,600	2270	.48	.68	.89	43,000	2650	.48	.70	.93	40,200	3060	.49	.73	.97		

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

HS14-651V-653V WITH CB18-51 OR CBS18-51 EVAPORATOR UNIT (High Speed Compressor Operation)

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	58,000	5520	.66	.78	.90	55,300	5940	.67	.80	.93	52,400	6370	.69	.82	.95	49,300	6770	.70	.85	.97		
	2000	62,100	5670	.71	.85	.98	59,200	6120	.72	.88	.99	56,000	6560	.74	.90	1.00	52,700	6990	.76	.93	1.00		
	2500	65,200	5770	.76	.92	1.00	61,900	6240	.78	.94	1.00	58,500	6700	.80	.97	1.00	55,200	7150	.83	.99	1.00		
67	1500	61,900	5650	.53	.64	.74	59,100	6100	.54	.65	.76	56,000	6560	.55	.66	.78	52,900	7000	.55	.67	.80		
	2000	66,300	5810	.56	.68	.81	63,100	6280	.56	.69	.84	59,700	6760	.57	.71	.86	56,200	7220	.59	.73	.89		
	2500	69,200	5910	.58	.73	.88	65,800	6400	.59	.75	.91	62,100	6890	.61	.77	.94	58,500	7370	.62	.80	.96		
71	1500	65,800	5790	.41	.51	.61	62,800	6270	.42	.52	.62	59,600	6750	.42	.53	.63	56,300	7230	.42	.54	.65		
	2000	70,300	5950	.42	.54	.65	67,000	6450	.43	.55	.67	63,600	6970	.43	.56	.68	59,900	7480	.43	.57	.71		
	2500	73,600	6050	.43	.57	.70	69,900	6580	.44	.58	.72	66,100	7110	.44	.59	.74	62,300	7630	.45	.61	.77		

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

HS14-651V-653V WITH CR16-65 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																					
		75					85					95					105						
		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	37,700	2030	.74	.93	1.00	35,800	2330	.76	.97	1.00	34,100	2630	.78	.98	1.00	32,300	2960	.80	1.00	1.00		
	2000	40,600	2010	.81	1.00	1.00	38,800	2310	.84	1.00	1.00	37,000	2650	.87	1.00	1.00	35,000	3000	.91	1.00	1.00		
	2500	43,100	1980	.90	1.00	1.00	41,200	2290	.95	1.00	1.00	39,100	2640	.98	1.00	1.00	36,900	3020	.99	1.00	1.00		
67	1500	40,400	2010	.58	.72	.87	38,500	2310	.59	.74	.90	36,400	2640	.60	.75	.94	34,200	2990	.61	.78	.98		
	2000	42,600	1990	.62	.79	.99	40,400	2300	.63	.81	1.00	38,100	2650	.65	.84	1.00	35,800	3010	.66	.88	1.00		
	2500	44,100	1970	.66	.87	1.00	41,800	2290	.67	.90	1.00	39,200	2640	.69	.96	1.00	37,000	3020	.71	.98	1.00		
71	1500	43,100	1990	.43	.56	.69	41,000	2300	.43	.57	.71	38,800	2650	.44	.59	.73	36,500	3010	.44	.60	.75		
	2000	45,300	1950	.45	.61	.76	43,100	2280	.45	.62	.78	40,700	2640	.46	.63	.81	38,100	3040	.47	.65	.85		
	2500	46,900	1940	.46	.65	.84	44,400	2270	.47	.66	.88	41,900	2640	.48	.68	.91	39,100	3050	.49	.70	.97		

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

HS14-651V-653V WITH CR16-65 EVAPORATOR UNIT (High Speed Compressor Operation)

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	57,400	5500	.66	.78	.89	54,600	5920	.67	.79	.92	51,800	6330	.68	.81	.94	48,700	6720	.70	.83	.97		
	2000	61,800	5660	.70	.84	.97	58,700	6100	.72	.86	.99	55,500	6530	.73	.89	1.00	52,000	6950	.75	.92	1.00		
	2500	64,800	5750	.74	.90	1.00	61,500	6210	.76	.93	1.00	58,000	6660	.78	.96	1.00	54,400	7100	.81	.99	1.00		
67	1500	61,200	5630	.53	.64	.74	58,300	6080	.54	.65	.75	55,300	6510	.55	.66	.77	52,100	6950	.55	.67	.79		
	2000	65,900	5790	.56	.68	.80	62,700	6260	.56	.69	.82	59,200	6730	.57	.70	.85	55,700	7180	.58	.72	.88		
	2500	69,100	5900	.58	.72	.86	65,600	6390	.59	.73	.89	61,900	6870	.60	.75	.92	58,000	7350	.61	.78	.95		
71	1500	64,900	5750	.41	.52	.61	61,900	6230	.41	.52	.62	58,800	6700	.41	.53	.63	55,500	7170	.42	.54	.64		
	2000	69,800	5930	.42	.54	.65	66,400	6430	.42	.55	.66	62,900	6930	.43	.56	.68	59,200	7430	.43	.57	.70		
	2500	73,200	6040	.43	.57	.69	69,600	6570	.44	.58	.71	65,700	7090	.44	.59	.73	61,800	7600	.45	.60	.75		

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

RATINGS

NOTE — To determine sensible capacity, leaving wet bulb and dry bulb temperatures not shown in the tables, see Miscellaneous Engineering Data, page 9.

HS14-651V-653V WITH C16-65(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	75	80	85				
63	1500	38,600	2030	.76	.93	1.00	36,800	2320	.77	.96	1.00	35,100	2640	.79	.98	1.00	33,100	2970	.82	1.00	1.00
	2000	41,300	2000	.84	1.00	1.00	39,500	2310	.86	1.00	1.00	37,700	2650	.89	1.00	1.00	35,700	3010	.93	1.00	1.00
	2500	43,700	1980	.92	1.00	1.00	41,800	2290	.95	1.00	1.00	39,800	2640	.98	1.00	1.00	37,500	3030	1.00	1.00	1.00
67	1500	41,000	2000	.59	.73	.88	39,100	2310	.60	.75	.91	37,000	2640	.61	.77	.95	34,800	3000	.62	.80	.98
	2000	43,200	1980	.63	.81	1.00	41,000	2300	.65	.83	1.00	38,900	2650	.66	.86	1.00	36,500	3020	.68	.90	1.00
	2500	44,900	1960	.68	.89	1.00	42,700	2290	.69	.92	1.00	40,200	2640	.71	.95	1.00	37,800	3030	.73	.98	1.00
71	1500	43,600	1980	.43	.57	.70	41,500	2290	.44	.58	.72	39,400	2640	.44	.59	.74	37,100	3020	.45	.61	.77
	2000	45,800	1950	.45	.62	.79	43,600	2280	.46	.63	.81	41,200	2640	.46	.65	.83	38,600	3040	.47	.67	.86
	2500	47,300	1940	.47	.67	.86	44,800	2270	.48	.68	.89	42,300	2640	.49	.70	.93	39,700	3050	.50	.73	.96

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

HS14-651V-653V WITH C16-65(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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	75	80	85				
63	1500	58,400	5530	.66	.78	.90	55,600	5960	.67	.80	.92	52,700	6380	.68	.82	.94	49,600	6790	.70	.84	.97
	2000	62,700	5690	.70	.85	.97	59,600	6140	.72	.87	.99	56,500	6590	.74	.90	1.00	53,200	7030	.76	.92	1.00
	2500	66,000	5790	.75	.91	1.00	62,700	6270	.77	.94	1.00	59,300	6740	.79	.96	1.00	55,800	7190	.82	.98	1.00
67	1500	62,000	5660	.53	.64	.74	59,200	6110	.54	.65	.76	56,100	6560	.55	.66	.78	53,000	7010	.55	.67	.80
	2000	66,700	5820	.56	.68	.81	63,500	6300	.56	.69	.83	60,000	6780	.57	.71	.86	56,500	7240	.59	.73	.88
	2500	69,800	5930	.58	.72	.87	66,300	6420	.59	.74	.90	62,600	6920	.60	.76	.93	58,900	7400	.62	.79	.96
71	1500	65,500	5780	.41	.51	.61	62,600	6260	.41	.52	.62	59,500	6740	.42	.53	.63	56,200	7210	.42	.54	.65
	2000	70,400	5950	.42	.54	.65	67,100	6460	.43	.55	.67	63,600	6970	.43	.56	.68	59,900	7470	.43	.57	.70
	2500	73,700	6060	.43	.57	.70	70,100	6590	.44	.58	.72	66,300	7120	.44	.59	.74	62,400	7640	.45	.60	.76

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

HS14-651V-653V WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	75	80	85				
63	1500	39,800	2010	.76	.94	1.00	38,000	2310	.78	.97	1.00	36,100	2640	.80	.99	1.00	34,100	2990	.82	1.00	1.00
	2000	42,700	1990	.83	1.00	1.00	40,900	2300	.86	1.00	1.00	39,000	2650	.90	1.00	1.00	37,000	3020	.94	1.00	1.00
	2500	45,300	1960	.93	1.00	1.00	43,400	2280	.96	1.00	1.00	41,100	2640	.99	1.00	1.00	39,000	3040	1.00	1.00	1.00
67	1500	42,700	1990	.58	.74	.89	40,500	2300	.59	.75	.92	38,400	2640	.61	.77	.96	36,100	3010	.62	.79	.99
	2000	44,800	1960	.63	.81	1.00	42,600	2280	.64	.83	1.00	40,300	2640	.66	.87	1.00	37,800	3030	.69	.91	1.00
	2500	46,200	1940	.69	.90	1.00	44,100	2280	.70	.93	1.00	41,400	2640	.72	.97	1.00	39,000	3050	.74	1.00	1.00
71	1500	45,400	1950	.43	.57	.70	43,200	2280	.43	.58	.73	40,900	2640	.44	.59	.75	38,400	3040	.44	.61	.77
	2000	47,500	1930	.45	.62	.78	45,000	2270	.45	.63	.81	42,700	2640	.46	.66	.83	40,000	3060	.47	.68	.88
	2500	49,000	1920	.47	.68	.87	46,300	2270	.48	.70	.90	43,800	2650	.49	.71	.94	41,000	3070	.50	.74	.98

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

HS14-651V-653V WITH CB18-65 OR CBS18-65 EVAPORATOR UNIT (High Speed Compressor Operation)

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	75	80	85				
63	1500	60,000	5590	.66	.78	.90	57,100	6030	.67	.80	.92	54,100	6460	.68	.82	.95	51,000	6880	.70	.84	.98
	2000	64,500	5750	.71	.85	.98	61,400	6210	.72	.87	1.00	58,100	6670	.74	.90	1.00	54,600	7120	.77	.93	1.00
	2500	67,800	5850	.76	.92	1.00	64,500	6330	.78	.95	1.00	60,700	6810	.80	.97	1.00	57,200	7280	.83	.99	1.00
67	1500	64,000	5720	.53	.63	.74	61,100	6190	.54	.65	.76	58,000	6660	.54	.66	.78	54,600	7110	.55	.67	.80
	2000	68,700	5890	.56	.68	.81	65,300	6380	.56	.69	.83	61,600	6870	.57	.71	.86	58,000	7350	.59	.73	.89
	2500	71,500	5990	.58	.73	.88	68,200	6510	.59	.75	.91	64,400	7020	.61	.77	.94	60,600	7520	.62	.80	.96
71	1500	68,000	5860	.41	.51	.61	64,900	6360	.41	.52	.62	61,600	6860	.42	.53	.63	58,200	7360	.42	.53	.65
	2000	72,800	6030	.42	.54	.65	69,400	6560	.42	.55	.67	65,700	7090	.43	.56	.68	61,900	7610	.43	.57	.71
	2500	76,200	6150	.43	.57	.70	72,400	6690	.44	.58	.72	68,500	7230	.44	.59	.74	64,400	7750	.45	.61	.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 Bulb and Dry Bulb temperatures not shown in the tables, see Miscellaneous Engineering Data section, Page 9.

HS14-651V-653V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	1200	38,200	2030	.72	.88	1.00	36,400	2330	.73	.91	1.00	34,400	2640	.75	.94	1.00	32,500	2970	.78	.97	1.00
	1500	40,200	2010	.77	.97	1.00	38,400	2320	.80	.99	1.00	36,600	2640	.83	1.00	1.00	34,700	3000	.86	1.00	1.00
	1800	42,100	1990	.84	1.00	1.00	40,400	2300	.87	1.00	1.00	38,500	2650	.90	1.00	1.00	36,500	3020	.93	1.00	1.00
67	1200	40,700	2010	.56	.69	.84	38,700	2310	.57	.71	.86	36,700	2640	.58	.73	.89	34,500	3000	.59	.75	.93
	1500	42,800	1990	.59	.75	.92	40,400	2300	.60	.76	.95	38,300	2650	.62	.79	.98	36,000	3010	.63	.83	1.00
	1800	44,200	1970	.62	.81	.99	41,800	2290	.64	.84	1.00	39,600	2640	.66	.87	1.00	37,200	3020	.67	.90	1.00
71	1200	43,100	1990	.42	.55	.67	41,000	2300	.42	.56	.68	38,900	2650	.42	.57	.70	36,700	3020	.43	.58	.72
	1500	45,300	1960	.43	.58	.72	43,000	2280	.43	.59	.73	40,600	2640	.44	.61	.76	38,300	3040	.45	.62	.79
	1800	46,700	1940	.44	.61	.78	44,300	2270	.45	.62	.80	41,800	2640	.46	.64	.84	39,200	3050	.46	.66	.87

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

HS14-651V-653V WITH CB19-51 OR CBH19-51 EVAPORATOR UNIT (High Speed Compressor Operation)

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	1200	56,600	5470	.64	.75	.86	54,000	5890	.65	.77	.88	51,300	6310	.66	.78	.90	48,400	6700	.68	.80	.93
	1500	60,500	5610	.67	.80	.92	57,600	6050	.68	.82	.94	54,600	6480	.70	.84	.96	51,300	6900	.72	.87	.99
	1800	63,200	5710	.70	.85	.97	60,300	6160	.72	.87	.99	57,100	6620	.74	.89	1.00	53,700	7060	.76	.92	1.00
67	1200	60,100	5600	.52	.62	.71	57,400	6040	.52	.62	.73	54,600	6480	.53	.63	.74	51,600	6910	.54	.65	.76
	1500	64,200	5730	.54	.65	.76	61,100	6200	.54	.65	.78	58,000	6670	.55	.67	.80	54,700	7120	.56	.69	.82
	1800	67,200	5840	.55	.68	.81	63,900	6320	.56	.69	.83	60,500	6800	.57	.71	.85	57,000	7270	.58	.73	.88
71	1200	63,600	5710	.41	.50	.59	60,800	6180	.41	.51	.60	57,900	6650	.41	.51	.61	54,700	7120	.41	.52	.62
	1500	67,800	5860	.41	.52	.62	64,700	6350	.41	.52	.63	61,400	6850	.42	.53	.64	57,900	7340	.42	.54	.66
	1800	71,000	5970	.42	.54	.65	67,600	6480	.42	.55	.66	64,100	7000	.42	.56	.68	60,400	7510	.43	.57	.70

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

HS14-651V-653V WITH CH16-65V EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																			
		75					85					95					105				
		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	39,900	2010	.75	.93	1.00	38,200	2310	.77	.96	1.00	36,000	2640	.79	.99	1.00	34,200	2990	.81	1.00	1.00
	2000	42,700	1990	.83	1.00	1.00	40,900	2300	.86	1.00	1.00	39,000	2650	.89	1.00	1.00	37,000	3020	.93	1.00	1.00
	2500	45,300	1960	.92	1.00	1.00	43,300	2280	.95	1.00	1.00	41,100	2640	.98	1.00	1.00	38,800	3040	1.00	1.00	1.00
67	1500	42,600	1990	.58	.73	.89	40,500	2300	.59	.74	.91	38,300	2650	.60	.76	.95	35,900	3020	.62	.79	.98
	2000	44,700	1960	.63	.80	1.00	42,500	2280	.64	.83	1.00	40,200	2640	.66	.86	1.00	37,700	3030	.68	.90	1.00
	2500	46,300	1940	.67	.89	1.00	44,000	2280	.69	.92	1.00	41,500	2640	.72	.96	1.00	39,000	3050	.74	.99	1.00
71	1500	45,500	1950	.43	.56	.70	43,300	2280	.43	.58	.72	41,000	2640	.44	.59	.74	38,400	3040	.44	.60	.76
	2000	47,800	1930	.45	.61	.78	45,300	2270	.45	.63	.80	42,700	2640	.46	.65	.83	40,000	3060	.47	.67	.87
	2500	49,000	1920	.47	.66	.86	46,500	2270	.47	.68	.89	43,700	2650	.48	.71	.93	40,900	3070	.49	.73	.97

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

HS14-651V-653V WITH CH16-65V EVAPORATOR UNIT (High Speed Compressor Operation)

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	61,000	5620	.66	.77	.89	58,100	6060	.67	.79	.91	55,000	6500	.68	.81	.94	51,700	6930	.69	.83	.97
	2000	65,500	5780	.70	.84	.98	62,200	6250	.71	.87	1.00	58,700	6710	.73	.89	1.00	55,100	7150	.75	.93	1.00
	2500	68,400	5880	.75	.91	1.00	65,100	6370	.77	.94	1.00	61,600	6850	.79	.97	1.00	57,800	7330	.81	.99	1.00
67	1500	65,100	5770	.53	.63	.73	62,100	6240	.53	.64	.75	58,800	6710	.54	.65	.77	55,400	7160	.55	.67	.79
	2000	69,900	5930	.55	.67	.80	66,400	6430	.56	.69	.83	62,800	6930	.57	.70	.85	59,100	7420	.58	.72	.88
	2500	73,200	6040	.58	.72	.87	69,400	6560	.59	.74	.90	65,600	7070	.60	.76	.93	61,600	7580	.61	.78	.96
71	1500	69,200	5910	.41	.51	.60	66,000	6400	.41	.51	.61	62,600	6910	.41	.52	.62	59,100	7420	.42	.53	.64
	2000	74,300	6080	.42	.53	.65	70,600	6610	.42	.54	.66	66,800	7150	.43	.55	.68	63,000	7670	.43	.56	.70
	2500	77,600	6200	.43	.56	.69	73,800	6740	.43	.57	.71	69,800	7290	.44	.58	.73	65,500	7800	.44	.60	.75

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

RATINGS

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

HS14-651V-653V WITH C14-65(FC) EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																						
		75					85					95					105							
		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	40,800	2010	.78	.96	1.00	38,900	2310	.80	.99	1.00	37,000	2650	.82	1.00	1.00	35,200	3000	.84	1.00	1.00			
	2000	44,200	1970	.86	1.00	1.00	42,300	2290	.90	1.00	1.00	40,300	2640	.94	1.00	1.00	38,000	3030	.98	1.00	1.00			
	2500	46,700	1940	.98	1.00	1.00	44,500	2270	1.00	1.00	1.00	42,200	2650	1.00	1.00	1.00	39,800	3050	1.00	1.00	1.00			
67	1500	43,200	1990	.59	.75	.91	41,200	2300	.61	.77	.95	38,700	2650	.62	.79	.98	36,500	3020	.64	.82	1.00			
	2000	45,400	1950	.65	.84	1.00	43,200	2280	.67	.86	1.00	40,800	2640	.69	.91	1.00	38,300	3040	.71	.95	1.00			
	2500	47,000	1940	.71	.95	1.00	44,600	2270	.73	.98	1.00	42,200	2640	.75	1.00	1.00	39,800	3050	.78	1.00	1.00			
71	1500	46,000	1950	.43	.58	.72	43,700	2270	.43	.59	.75	41,400	2640	.44	.61	.77	38,800	3040	.45	.62	.79			
	2000	48,100	1930	.45	.64	.82	45,500	2270	.46	.66	.84	43,000	2650	.47	.68	.87	40,300	3060	.48	.70	.92			
	2500	49,400	1920	.48	.70	.92	46,800	2270	.49	.72	.96	44,000	2650	.50	.75	.99	41,000	3070	.51	.78	1.00			

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

HS14-651V-653V WITH C14-65(FC) EVAPORATOR UNIT (High Speed Compressor Operation)

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	62,000	5650	.67	.79	.92	58,900	6100	.68	.81	.94	55,800	6540	.69	.84	.97	52,500	6980	.71	.86	.99			
	2000	66,600	5820	.72	.88	1.00	63,200	6290	.74	.90	1.00	59,900	6760	.76	.93	1.00	56,100	7220	.79	.96	1.00			
	2500	69,800	5930	.78	.96	1.00	66,200	6430	.81	.98	1.00	62,800	6930	.83	1.00	1.00	59,400	7440	.86	1.00	1.00			
67	1500	66,100	5800	.53	.64	.75	62,900	6270	.54	.65	.77	59,600	6750	.55	.67	.79	56,100	7200	.56	.68	.82			
	2000	70,700	5960	.56	.69	.84	67,200	6460	.57	.71	.86	63,500	6960	.58	.73	.89	59,500	7450	.60	.76	.92			
	2500	73,800	6070	.60	.75	.92	69,900	6590	.61	.78	.95	66,000	7100	.62	.81	.97	61,900	7610	.64	.83	.99			
71	1500	70,200	5930	.41	.52	.62	66,900	6440	.41	.52	.63	63,400	6960	.42	.53	.64	59,700	7460	.42	.54	.66			
	2000	75,000	6110	.42	.55	.67	71,300	6640	.43	.56	.69	67,500	7180	.43	.57	.70	63,400	7700	.43	.58	.73			
	2500	78,300	6220	.44	.58	.73	74,300	6770	.44	.59	.75	70,200	7310	.45	.61	.77	65,900	7820	.45	.63	.81			

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

HS14-651V-653V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT (Low Speed Compressor Operation — Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																						
		75					85					95					105							
		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	900	39,400	2280	.70	.82	.94	37,600	2470	.71	.84	.96	35,600	2710	.72	.86	.98	33,600	3030	.74	.88	1.00			
	1000	40,700	2280	.72	.84	.97	38,800	2480	.73	.86	.99	36,700	2750	.74	.89	1.00	34,500	3060	.76	.91	1.00			
	1100	41,700	2290	.73	.87	.99	39,700	2510	.75	.89	1.00	37,600	2780	.77	.92	1.00	35,300	3090	.79	.94	1.00			
67	900	42,000	2300	.56	.67	.78	40,200	2530	.56	.68	.80	38,100	2800	.57	.70	.82	35,900	3110	.58	.71	.84			
	1000	43,400	2350	.57	.69	.80	41,400	2570	.57	.70	.82	39,200	2830	.58	.72	.85	36,900	3140	.59	.74	.87			
	1100	44,500	2390	.58	.70	.83	42,500	2600	.58	.72	.85	40,200	2860	.59	.74	.88	37,800	3160	.61	.76	.91			
71	900	44,700	2390	.43	.54	.64	42,700	2610	.43	.54	.65	40,500	2860	.43	.55	.67	38,200	3170	.44	.56	.68			
	1000	46,100	2440	.43	.55	.66	43,900	2630	.43	.56	.67	41,700	2880	.44	.56	.69	39,200	3200	.44	.58	.71			
	1100	47,200	2440	.44	.56	.68	45,000	2630	.44	.57	.69	42,700	2890	.44	.58	.71	40,100	3230	.45	.59	.73			

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

HS14-651V-653V WITH CB21-51 OR CBH21-51 EVAPORATOR UNIT (High Speed Compressor Operation — High Evaporator Unit Air Volume)

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	1650	62,200	5490	.71	.83	.95	59,200	5860	.72	.85	.97	56,200	6240	.74	.87	.99	53,100	6630	.75	.90	1.00			
	1800	63,600	5540	.72	.85	.97	60,500	5920	.74	.88	.99	57,300	6310	.75	.90	1.00	54,300	6710	.77	.92	1.00			
	1950	64,800	5590	.74	.88	.99	61,600	5970	.75	.90	1.00	58,400	6370	.77	.92	1.00	55,300	6780	.79	.95	1.00			
67	1650	66,100	5640	.56	.68	.80	63,000	6030	.57	.69	.81	59,800	6450	.58	.71	.83	56,700	6870	.59	.73	.86			
	1800	67,600	5690	.57	.70	.82	64,300	6100	.58	.71	.84	61,100	6520	.59	.73	.86	57,800	6950	.60	.75	.89			
	1950	68,900	5740	.58	.71	.84	65,500	6160	.59	.73	.86	62,200	6590	.60	.74	.89	58,700	7020	.61	.76	.91			
71	1650	69,800	5790	.43	.55	.65	66,600	6220	.43	.55	.67	63,300	6660	.44	.56	.68	59,900	7110	.44	.57	.70			
	1800	71,400	5860	.43	.55	.67	68,000	6290	.44	.56	.68	64,500	6740	.44	.57	.70	61,000	7180	.44	.58	.72			
	1950	72,700	5920	.44	.56	.69	69,200	6360	.44	.57	.70	65,600	6800	.44	.58	.72	62,000	7250	.45	.60	.74			

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

RATINGS

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

HS14-651V-653V WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT (Low Speed Compressor Operation)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																						
		75					85					95					105							
		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	42,500	1990	.75	.94	1.00	40,400	2300	.77	.97	1.00	38,200	2650	.79	1.00	1.00	36,400	3010	.81	1.00	1.00			
	1875	44,700	1960	.81	1.00	1.00	42,800	2280	.84	1.00	1.00	40,900	2640	.87	1.00	1.00	38,700	3040	.91	1.00	1.00			
	2250	47,000	1940	.89	1.00	1.00	44,900	2270	.92	1.00	1.00	42,700	2640	.95	1.00	1.00	40,300	3070	.99	1.00	1.00			
67	1500	45,500	1950	.58	.72	.89	43,300	2280	.59	.74	.92	41,000	2640	.60	.76	.96	38,300	3040	.62	.78	.99			
	1875	47,500	1930	.61	.78	.99	45,100	2270	.63	.80	1.00	42,500	2640	.64	.84	1.00	39,600	3050	.66	.88	1.00			
	2250	48,300	1930	.65	.86	1.00	45,800	2270	.66	.89	1.00	43,500	2650	.68	.93	1.00	40,600	3070	.70	.97	1.00			
71	1500	47,800	1930	.43	.57	.70	45,500	2270	.43	.58	.72	43,100	2650	.44	.59	.74	40,600	3060	.44	.60	.76			
	1875	49,900	1920	.44	.60	.76	47,500	2270	.45	.62	.78	44,700	2650	.45	.63	.81	41,900	3080	.46	.65	.85			
	2250	51,200	1910	.46	.64	.81	48,600	2270	.46	.66	.86	45,700	2660	.47	.67	.90	42,700	3090	.48	.70	.94			

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

HS14-651V-653V WITH CB19-65 OR CBH19-65 EVAPORATOR UNIT (High Speed Compressor Operation)

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	64,100	5670	.66	.78	.90	61,100	6130	.67	.79	.92	58,000	6580	.68	.81	.94	54,700	7030	.69	.84	.97			
	1875	68,000	5820	.69	.83	.97	64,600	6290	.71	.85	.99	61,100	6770	.72	.88	1.00	57,500	7230	.74	.91	1.00			
	2250	70,800	5920	.73	.89	1.00	67,400	6410	.75	.91	1.00	63,600	6900	.77	.94	1.00	59,600	7390	.79	.97	1.00			
67	1500	67,800	5810	.53	.63	.74	64,700	6290	.53	.64	.75	61,500	6780	.54	.65	.77	58,000	7270	.55	.67	.80			
	1875	71,900	5960	.55	.67	.79	68,400	6470	.55	.68	.81	64,800	6980	.56	.69	.84	61,100	7490	.57	.71	.87			
	2250	74,900	6060	.57	.70	.85	71,200	6590	.58	.72	.87	67,400	7120	.59	.74	.90	63,300	7630	.61	.76	.93			
71	1500	71,400	5940	.41	.51	.61	68,200	6460	.41	.52	.62	64,800	6980	.41	.52	.63	61,300	7500	.42	.53	.64			
	1875	75,600	6090	.42	.53	.64	72,100	6630	.42	.54	.65	68,400	7170	.42	.55	.67	64,500	7690	.43	.56	.69			
	2250	78,800	6210	.43	.55	.67	75,000	6760	.43	.56	.69	71,000	7300	.43	.57	.71	67,000	7820	.44	.59	.74			

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

HS14-651V-653V WITH CB21-65 OR CBH21-65 EVAPORATOR UNIT (Low Speed Compressor Operation — Low Evaporator Unit Air Volume)

Enter. Wet Bulb (°F)	Total Air Vol. (cfm)	Outdoor Air Temperature Entering Condenser Coil (°F)																						
		75					85					95					105							
		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)					
			76	80	84				76	80	84				76	80	84				76	80	84	
63	1000	40,800	2280	.74	.84	.94	38,900	2500	.75	.86	.96	36,800	2760	.77	.88	.99	34,500	3080	.79	.91	1.00			
	1200	43,000	2340	.77	.89	.99	40,800	2560	.79	.91	1.00	38,400	2810	.81	.94	1.00	36,000	3120	.84	.97	1.00			
	1400	44,300	2390	.81	.94	1.00	42,200	2610	.83	.96	1.00	39,800	2860	.86	.99	1.00	37,500	3160	.89	1.00	1.00			
67	1000	43,500	2360	.59	.68	.78	41,400	2580	.60	.70	.79	39,300	2840	.61	.71	.81	36,900	3140	.62	.73	.84			
	1200	45,700	2440	.61	.72	.82	43,500	2630	.62	.73	.84	41,200	2870	.63	.75	.86	38,500	3190	.65	.77	.90			
	1400	47,400	2440	.63	.75	.87	45,100	2640	.65	.77	.89	42,600	2890	.66	.79	.92	39,800	3230	.68	.82	.96			
71	1000	46,000	2440	.46	.55	.64	44,000	2630	.46	.55	.65	41,700	2880	.46	.56	.66	39,200	3210	.47	.58	.68			
	1200	48,300	2430	.47	.57	.67	46,100	2640	.47	.58	.68	43,500	2910	.48	.59	.70	40,900	3260	.48	.60	.72			
	1400	50,000	2430	.48	.59	.70	47,500	2650	.48	.60	.72	44,900	2930	.49	.61	.74	42,100	3300	.50	.63	.76			

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

HS14-651V-653V WITH CB21-65 OR CBH21-65 EVAPORATOR UNIT (High Speed Compressor Operation — High Evaporator Unit Air Volume)

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)					
			76	80	84				76	80	84				76	80	84				76	80	84	
63	1500	62,700	5480	.71	.80	.89	59,700	5860	.73	.82	.91	56,700	6240	.74	.84	.94	53,700	6630	.75	.86	.96			
	1750	65,500	5590	.74	.83	.93	62,400	5970	.75	.86	.96	59,000	6360	.77	.88	.98	55,800	6770	.79	.90	1.00			
	2000	67,900	5670	.76	.87	.97	64,300	6060	.78	.89	.99	60,900	6470	.80	.92	1.00	57,500	6880	.82	.94	1.00			
67	1500	66,600	5630	.58	.66	.75	63,500	6020	.58	.67	.76	60,300	6440	.59	.69	.78	57,100	6860	.60	.70	.80			
	1750	69,500	5730	.59	.69	.78	66,200	6160	.60	.70	.79	62,800	6590	.61	.71	.81	59,300	7020	.62	.73	.84			
	2000	71,900	5840	.61	.71	.81	68,300	6270	.62	.72	.83	64,600	6700	.63	.74	.85	60,800	7140	.64	.76	.88			
71	1500	70,300	5770	.45	.53	.62	67,100	6200	.45	.54	.63	63,700	6650	.46	.55	.64	60,400	7090	.46	.56	.65			
	1750	73,400	5910	.46	.55	.64	69,900	6350	.46	.56	.65	66,200	6800	.46	.56	.66	62,600	7250	.47	.58	.68			
	2000	75,800	6020	.46	.56	.66	72,000	6460	.47	.57	.67	68,100	6910	.47	.58	.69	64,200	7360	.48	.60	.71			

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