

AAON[®]

HA Series

**4 to 50 tons
Horizontal Discharge
Cooling Units**



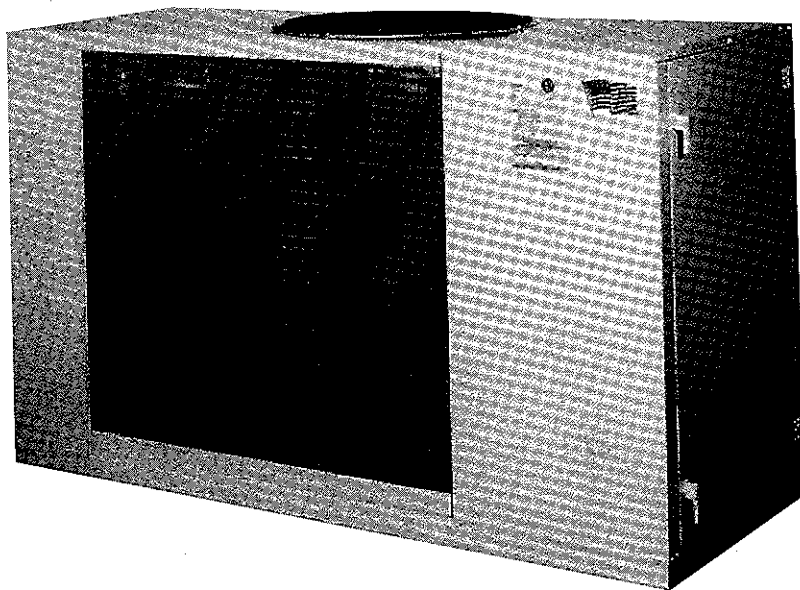
Efficiency, Quality and Reliability

The critical differences between AAON air conditioning units and others are things you'll probably never see. Things you'll never hear.

That's because AAON units are engineered to perform and not attract attention.

A climate control system should provide more than just a comfortable temperature. It should offer a complete environment of energy efficiency, acoustical control, quality and reliability, backed by years of experience in the industry.

**Long-Life Expectancy
Functionality
Serviceability
Ease of Installation**

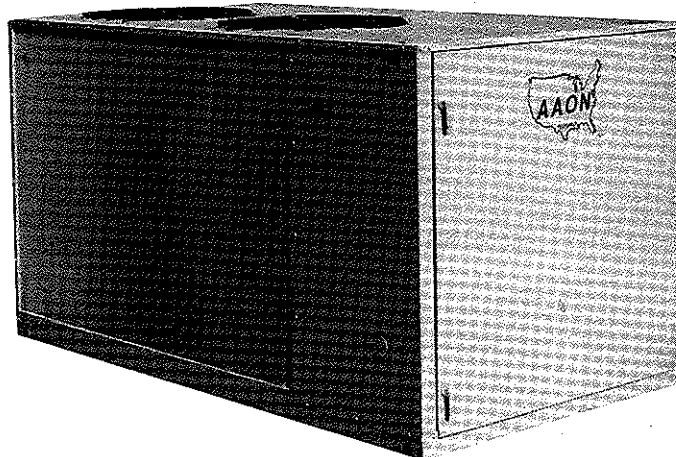


AAON air conditioning units are designed for the discriminating buyer who appreciates high quality, easy service, and low operating costs. The difference between AAON and other manufacturers include engineering aspects specifically designed for high outside air temperature to 126°F (52°C).

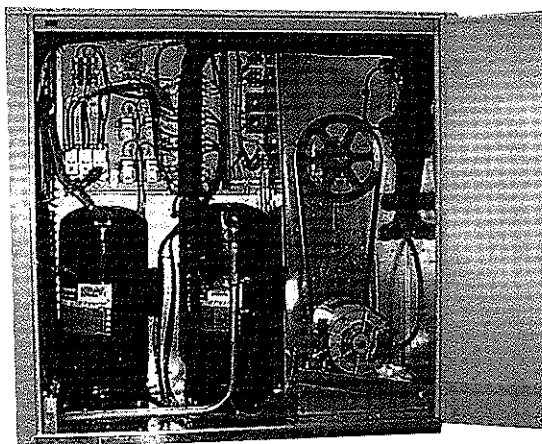
Other things however, can readily be seen when inspecting the unit by opening the door to the unit through use of the molded zinc handles, opening a door suspended on stainless steel hinges. This door opens into almost all of the working portions of the unit, placing the compressor, evaporator fan motor (belt drive units), controls, and main power all within a single compartment. The wiring diagram in both point-to-point and ladder form, are colorized to match the unit wiring colors, laminated in plastic and then attached to the door. Thus, in one easy door opening all of the normally maintained working portions of the unit are readily available for inspection and maintenance.

- **CABINET**
galvanized steel with light grey epoxy urethane paint covering.
- **COMPRESSOR**
Hermetic.
- **COMPRESSOR PROTECTION**
manual reset high pressure switch, automatic reset low pressure switch, crank case heater, internal voltage and temperature protection, and cycle protecting timer.
- **MOTORS**
evaporator and condenser motors are equipped with overload protection.
- **COILS**
grooved copper tubing with enhanced aluminum fins for maximum efficiency.
- **INDOOR AIR COMPARTMENT**
insulated with high efficiency mat faced insulation.

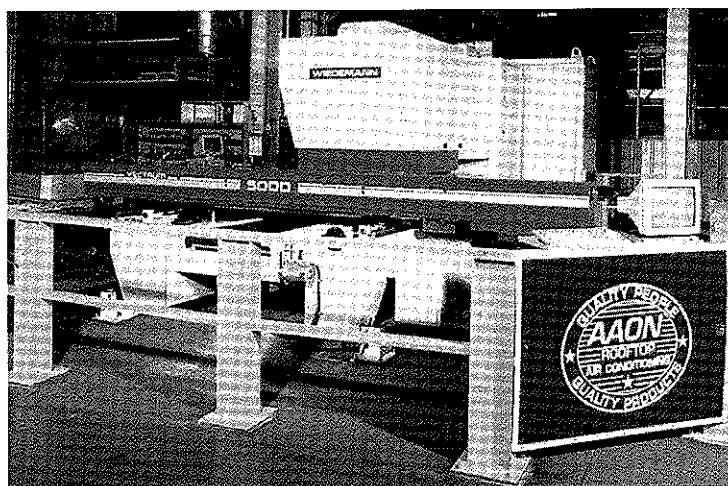
HA Horizontal Discharge Units



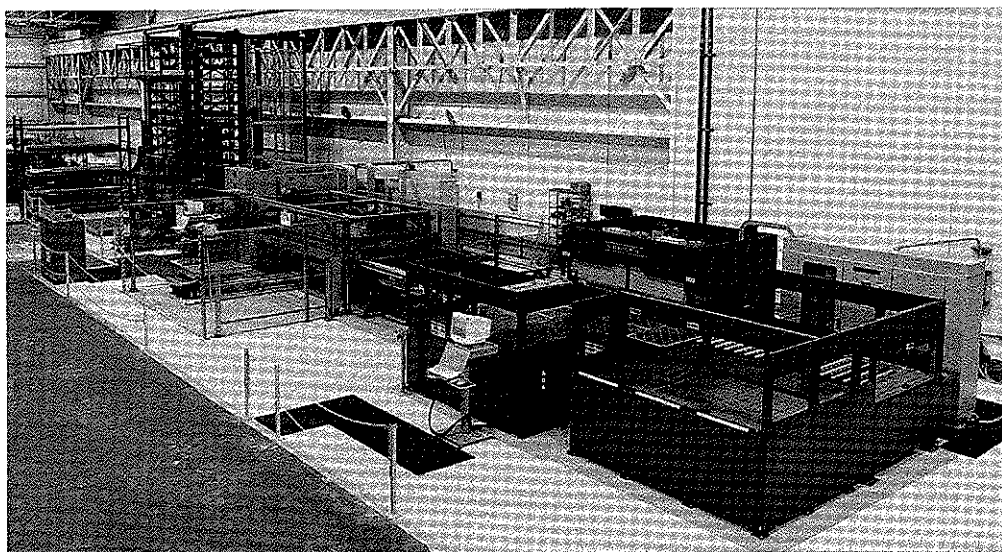
HA 7 through 10 ton cabinet



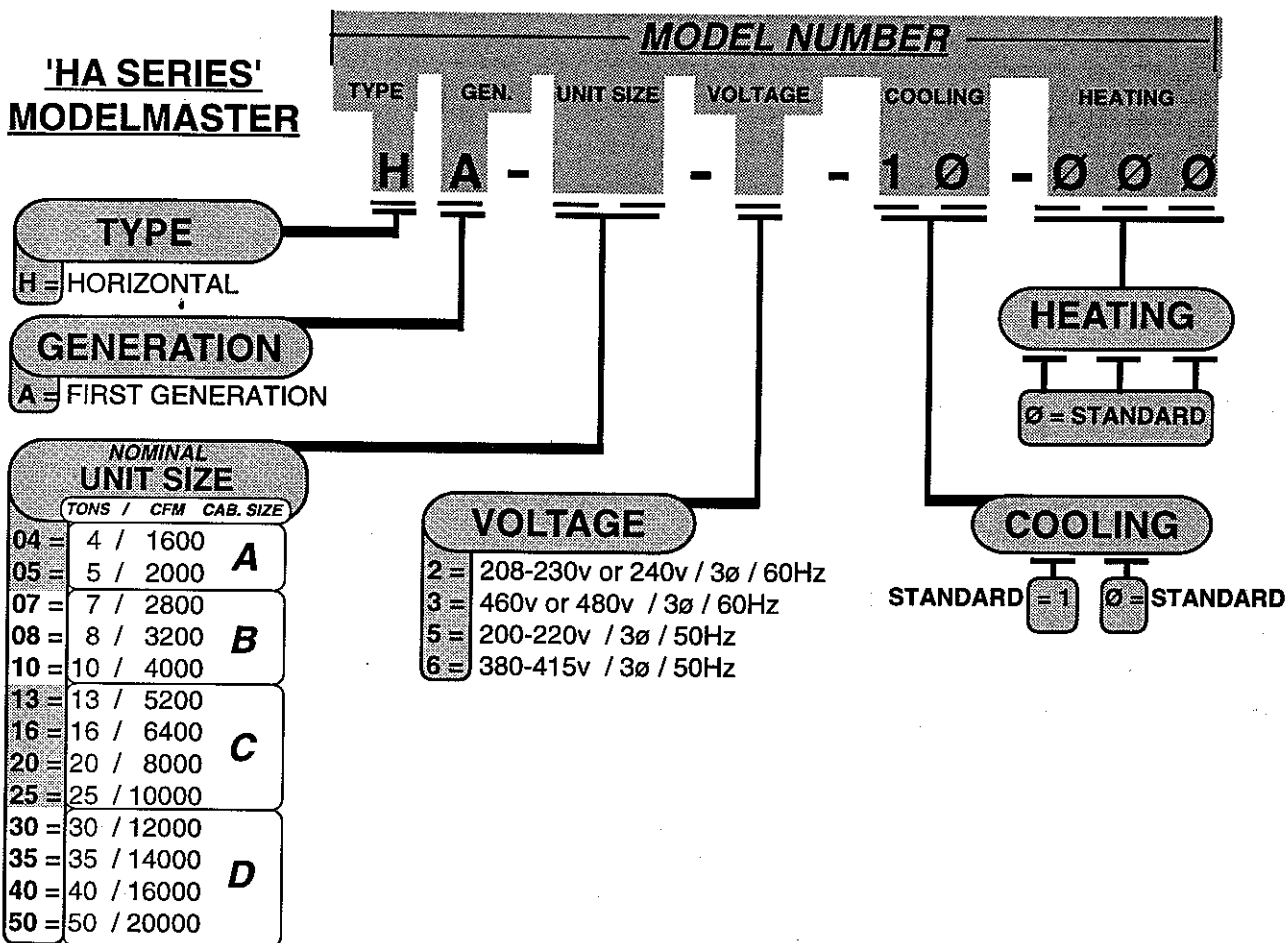
Main components such as compressors are accessible from a unit's hinged access door - making maintenance easy.



AAON units are built using high-tech automated manufacturing processes.



'HA SERIES' MODELMASTER



EQUIPMENT DESCRIPTION

UNIT SELECTION EXAMPLE: MODEL AND FEATURE NUMBER STRUCTURE

BASE MODEL No.	(14) FEATURE OPTIONS
HA - 10 - 2 - 10 - 000	Ø / Ø / A / A / Ø / Ø / Ø / A / Ø / Ø / Ø / Ø / Ø / B
ALL FEATURE NUMBERS MUST BE COMPLETED TO PROPERLY IDENTIFY THE UNIT & TO INSURE PROMPT ORDER PROCESSING.	
TOTAL UNIT IDENTIFICATION NUMBER	

STANDARD FEATURES

- HERMETIC SCROLL COMPRESSOR(S)
- THERMOSTATIC EXPANSION VALVES
- MANUAL RESET HIGH PRESSURE SWITCH
- AUTOMATIC RESET LOW PRESSURE SWITCH
- DIRECT DRIVE CONDENSER FANS
- INTERNAL OVERLOAD FAN MOTOR PROTECTION
- GRIP NOTCH BLOWER DRIVE BELTS
- RIFLED TUBE COILS w/ ENHANCED FIN
- INSULATED INDOOR AIR COMPARTMENT
- HINGED ACCESS PANEL w/ TOOLLESS LATCHES
- G90 GALVANIZED STEEL CABINET
- GRAY POLYURETHANE PAINT COVERING

RUN TEST REPORT, INSTALLATION MANUAL, WIRING DIAGRAM & START-UP FORM ARE LOCATED IN THE CONTROL ACCESS COMPARTMENT OF THE UNIT.

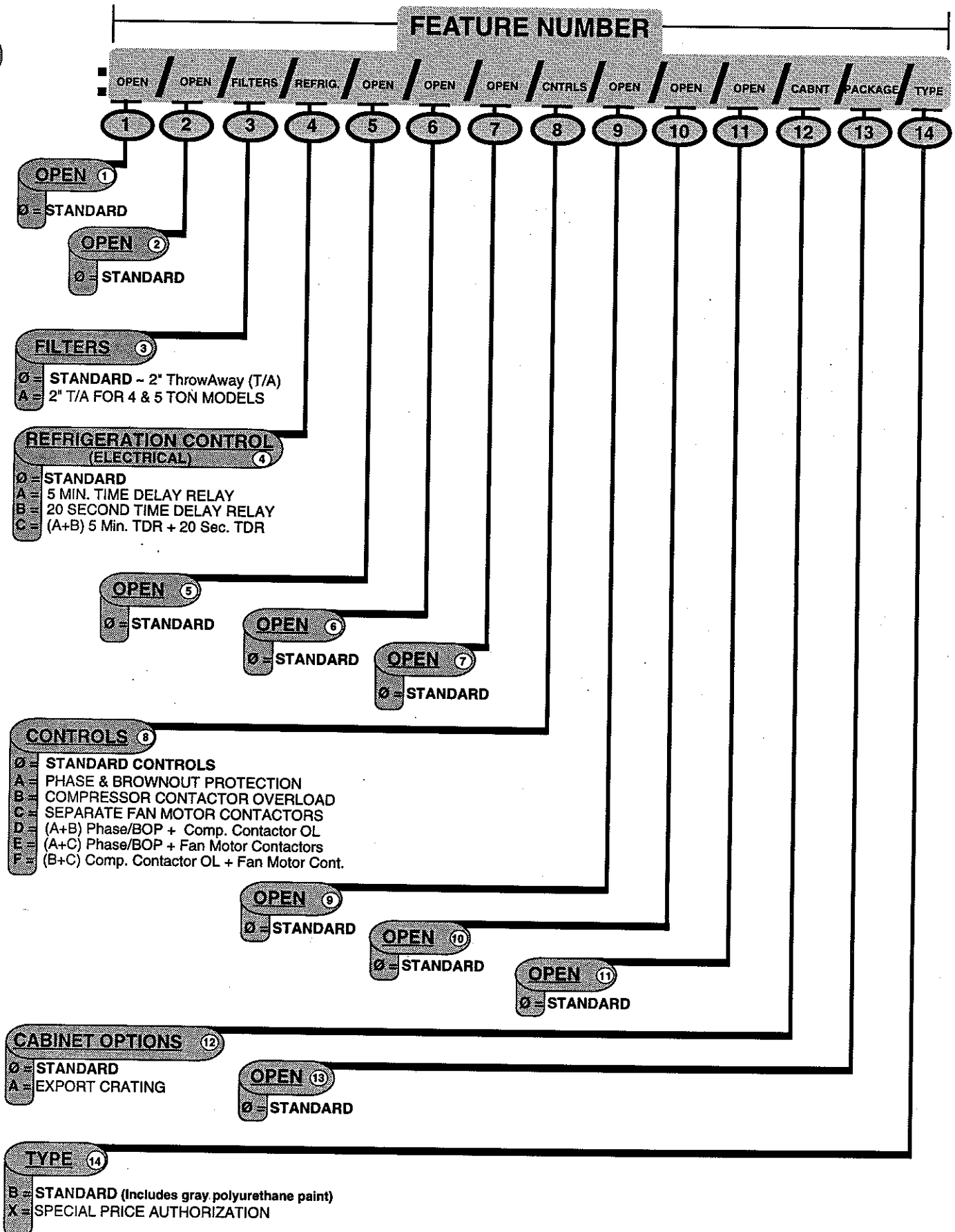
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OPTIONAL FEATURES

NOTE: SOME OPTIONS DO NOT APPLY TO ALL UNITS.

"OPEN" FEATURES ARE FOR FUTURE OPTION EXPANSIONS.



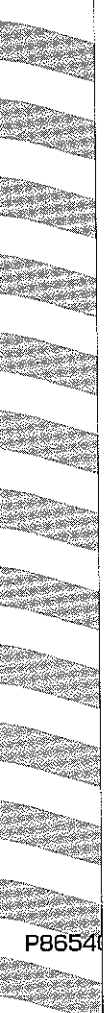


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04 - 10 Ton	53
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UNIT FEATURES	UNIT SIZE	
	04	05
NOMINAL CAPACITY TONS	4	5
NOMINAL SEER - FULL LOAD (80/67, 82/65)	10.3	10.0
COMPRESSOR (HERMETIC) (Quantity) Model	(1) ZR47KC	(1) ZR61K3
CONDENSER COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	10 / 2 / 16 0,929	10 / 2 / 16 0,929
CONDENSER FAN(S) Quantity / Diameter [inches]	1 / 22	1 / 22
CONDENSER FAN RPM 60 Hz (50Hz)	1140 (950)	1140 (950)
CONDENSER FAN MOTORS [HP] / [Watts]	0.33 / 570	0.33 / 570
EVAPORATOR COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	5.875 / 2 / 18 0,55	5.875 / 2 / 18 0,55
EVAPORATOR BLOWER(S) Quantity / Wheel Dia. / Drive	1 / 10 / DIRECT	1 / 10 / DIRECT
EVAPORATOR MOTOR HP / RPM 60 Hz	0.5/1075	0.5/1075
TUBING SIZE - LIQUID LINE Dia. [inch.] (Dia. [mm])	3/8 (9.525)	3/8 (9.525)
DISCHARGE LINE Dia. [inch.] (Dia. [mm])	1/2 (12,7)	5/8 (15,875)
SUCTION LINE Dia. [inch.] (Dia. [mm])	7/8 (22,225)	7/8 (22,225)
FILTERS (optional) - Type QUANTITY & SIZE [in.] (SIZE [mm.])	DISPOSABLE 3 16 x 20 x 2 (406 x 508 x 51)	
UNIT DIMENSIONS W x H x L [in.] (W x H x L [mm.])	28x41 3/16 x 70 (711 x 1046 x 1778)	
SUPPLY AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	11 1/2 x 13 1/4 (289 x 333)	
RETURN AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	18 1/8 x 50 3/4 (460 x 1289)	
SHIPPING WEIGHT - lbs. [kg]	500 (227)	505 (229)

specifications • 'B' cabinet

UNIT FEATURES	UNIT SIZE		
	07	08	10
NOMINAL CAPACITY TONS	7	8	10
NOMINAL EER - FULL LOAD (80/67, 95/75)	9.9	9.9	9.0
COMPRESSOR (HERMETIC) (Quantity) Model	(1) ZR72KC	(1) ZR94KC	(1) ZR108KC
CONDENSER COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	14.5 / 2 / 12 1,348	14.5 / 3 / 12 1,348	14.5 / 3 / 12 1,348
CONDENSER FAN(S) Quantity / Diameter [inches]	2 / 22	2 / 22	2 / 22
CONDENSER FAN RPM 60 Hz (50Hz)	1140 (950)	1140 (950)	1140 (950)
CONDENSER FAN MOTORS [HP] / [Watts]	0.33 / 570	0.33 / 570	0.33 / 570
EVAPORATOR COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	9 / 3 / 12 0,84	9 / 3 / 12 0,84	9 / 3 / 14 0,84
EVAPORATOR BLOWER(S) Quantity / Wheel Dia. / Drive	1 / 12 / BELT	1 / 12 / BELT	1 / 12 / BELT
EVAPORATOR MOTOR HP / RPM 60 Hz	1/1800	2/1800	3/1800
TUBING SIZE - LIQUID LINE Dia. [inch.] (Dia. [mm])	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)
DISCHARGE LINE Dia. [inch.] (Dia. [mm])	5/8 (15,875)	7/8 (22,225)	7/8 (22,225)
SUCTION LINE Dia. [inch.] (Dia. [mm])	7/8 (22,225)	1 1/8 (28,575)	1 1/8 (28,575)
FILTERS - Type QUANTITY & SIZE [in.] (SIZE [mm.])	DISPOSABLE 4 16 x 20 x 2 (406 x 508 x 51)		
UNIT DIMENSIONS W x H x L [in.] (W x H x L [mm.])	43 x 41 3/16 x 77 (1093 x 1046 x 1956)		
SUPPLY AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	13 5/8 x 15 3/4 (206 x 400)		
RETURN AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	17 7/8 x 61 1/2 (453 x 1562)		
SHIPPING WEIGHT - lbs. [kg]	819 (371)	848 (385)	883 (400)

specifications • 'C' cabinet

UNIT FEATURES	UNIT SIZE			
	13	16	20	25
NOMINAL CAPACITY TONS	13	16	20	25
NOMINAL EER - FULL LOAD (80/67, 95/75)	9.6	9.6	9.2	8.7
IPLV (80/67, 80/67)	8.7	8.6	7.7	7.3
COMPRESSOR (HERMETIC) (Quantity) Model	(2) ZR72KC	(2) ZR94KC	(2) ZR108KC	(2) ZR125KC
CONDENSER COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	25.73 / 2 / 10 2,39	25.73 / 3 / 16 2,39	25.73 / 3 / 16 2,39	25.73 / 3 / 16 2,39
CONDENSER FAN(S) Quantity / Diameter [inches]	3 / 22	3 / 22	4 / 22	4 / 22
CONDENSER FAN RPM 60 Hz (50Hz)	1140 (950)	1140 (950)	1140 (950)	1140 (950)
CONDENSER FAN MOTORS [HP] / [Watts]	0.33 / 570	0.33 / 570	0.33 / 570	0.33 / 570
EVAPORATOR COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	16 / 3 / 10 1,49	16 / 3 / 10 1,49	16 / 4 / 10 1,49	16 / 4 / 10 1,49
EVAPORATOR BLOWER(S) Quantity / Wheel Dia. / Drive	2 / 12 / BELT	2 / 12 / BELT	2 / 12 / BELT	2 / 12 / BELT
EVAPORATOR MOTOR HP / RPM 60 Hz	2/1800	3/1800	5/1800	7.5/1800
TUBING SIZE - LIQUID LINE Dia. [inch.] (Dia. [mm])	1/2 (12,7)	1/2 (12,7)	5/8 (15,875)	5/8 (15,875)
DISCHARGE LINE Dia. [inch.] (Dia. [mm])	5/8 (15,875)	7/8 (22,225)	7/8 (22,225)	7/8 (22,225)
SUCTION LINE Dia. [inch.] (Dia. [mm])	7/8 (22,225)	1 1/8 (28,575)	1 1/8 (28,575)	1 1/8 (28,575)
FILTERS - Type QUANTITY & SIZE [in.] (SIZE [mm.])	DISPOSABLE 7 16 x 20 x 2 (406 x 508 x 51)			
UNIT DIMENSIONS W x H x L [in.] (W x H x L [mm.])	43 x 41 3/16 x 77 (1093 x 1046 x 3032)			
SUPPLY AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	13 5/8 x 47 (206 x 1194)			
RETURN AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	17 7/8 x 107 5/8 (453 x 2734)			
SHIPPING WEIGHT - lbs. [kg]	1181 (536)	1347 (611)	1422 (645)	1510 (685)

specifications • 'D' cabinet

UNIT FEATURES	UNIT SIZE			
	30	35	40	50
NOMINAL CAPACITY TONS	30	35	40	50
NOMINAL EER - FULL LOAD (80/67, 95/75)	9.8	9.0	8.5	8.5
IPLV (80/67, 80/67)	8.5	7.6	7.1	7.1
COMPRESSOR (HERMETIC) (Quantity) Model	(4) ZR84KC	(4) ZR94KC	(4) ZR108KC	(4) ZR125KC
CONDENSER COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	59.9 / 3 / 12 5,56	59.9 / 3 / 12 5,56	59.9 / 3 / 12 5,56	59.9 / 3 / 12 5,56
CONDENSER FAN(S) Quantity / Diameter [in.]	2 / 36	2 / 36	2 / 36	2 / 36
CONDENSER FAN RPM 60 Hz (50Hz)	1140 (950)	1140 (950)	1140 (950)	1140 (950)
CONDENSER FAN MOTORS [HP] / [Watts]	2 / 1800	2 / 1800	3 / 2700	3 / 2700
EVAPORATOR COIL Face Area [Sq. Ft.] / Rows / FPI Face Area [Sq. m]	31 / 3 / 12 2,88	31 / 4 / 12 2,88	31 / 4 / 12 2,88	31 / 6 / 12 2,88
EVAPORATOR BLOWER(S) Quantity / Wheel Dia.[in.] / Drive	2 / 18 / BELT	2 / 18 / BELT	2 / 18 / BELT	2 / 18 /BELT
EVAPORATOR MOTOR HP / RPM 60 Hz	7.5 / 1800	10.0 / 1800	10.0 / 1800	10.0 / 1800
TUBING SIZE - LIQUID LINE Dia. [in.] (Dia. [mm])	5/8 (15,875)	5/8 (15,875)	5/8 (15,875)	5/8 (15,875)
DISCHARGE LINE Dia. [inch.] (Dia. [mm])	7/8 (22,225)	7/8 (22,225)	7/8 (22,225)	7/8 (22,225)
SUCTION LINE Dia. [in.] (Dia. [mm])	1 1/8 (28,575)	1 1/8 (28,575)	1 1/8 (28,575)	1 1/8 (28,575)
FILTERS - Type QUANTITY & SIZE [in.] (SIZE [mm.])	DISPOSABLE 10 20 x 25 x 2 (508 x 635 x 51)			
UNIT DIMENSIONS W x H x L [in.] (W x H x L [mm.])	88 3/8 x 94 1/8 x 114 (224 x 239 x 290)			
SUPPLY AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	22 1/8 x 19 1/8 (56 x 49)			
RETURN AIR DUCT CONNECTIONS W x H [in.] (W x H [mm.])	98 1/2 x 48 1/16 (250 x 122)			
SHIPPING WEIGHT - lbs. [kg]	3692 (1675)	3774 (1712)	3888 (1764)	4050 (1837)

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 1,600 CFM				Temp Ent Evap-°C			Evaporator @ 755 L/S					
WetBulb		DryBulb	Air Temp. Ent. Cond.-°F				WetBulb		DryBulb	Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	59.2	57.3	55.6	53.5	22	32		17.34	16.78	16.28	15.67		
		Sensible	43.2	42.5	41.9	41.2				12.65	12.45	12.27	12.06		
	85	Total	59.2	57.3	55.6	53.5		29		17.34	16.78	16.28	15.67		
		Sensible	36.4	35.7	35.1	34.4				10.66	10.45	10.28	10.07		
	80	Total	59.2	57.3	55.6	53.5		27		17.34	16.78	16.28	15.67		
		Sensible	29.5	28.9	28.3	27.5				8.64	8.46	8.29	8.05		
67	75	Total	59.2	57.3	55.6	53.5	19	24		17.34	16.78	16.28	15.67		
		Sensible	22.6	21.9	21.3	20.6				6.62	6.41	6.24	6.03		
	85	Total	54.4	52.4	50.7	49.0		29		15.93	15.34	14.85	14.35		
		Sensible	43.8	43.0	42.4	41.7				12.83	12.59	12.42	12.21		
	80	Total	54.4	52.4	50.7	49.0		27		15.93	15.34	14.85	14.35		
		Sensible	37.0	36.2	35.5	34.9				10.83	10.60	10.40	10.22		
62	75	Total	54.4	52.4	50.7	49.0	17	24		15.93	15.34	14.85	14.35		
		Sensible	30.0	29.3	28.6	27.9				8.78	8.58	8.37	8.17		
	85	Total	50.6	49.2	47.8	46.2		29		14.82	14.41	14.00	13.53		
		Sensible	49.6	48.2	46.8	46.2				14.52	14.11	13.70	13.53		
	80	Total	50.6	49.2	47.8	46.2		27		14.82	14.41	14.00	13.53		
		Sensible	49.3	46.2	44.0	42.4				14.44	13.53	12.88	12.42		
62	75	Total	50.6	49.2	47.8	46.2	17	24		14.82	14.41	14.00	13.53		
		Sensible	37.5	36.8	35.9	35.3				10.98	10.78	10.51	10.34		
	Evaporator @ 1,200 CFM											Evaporator @ 566 L/S			
	72	90	Total	56.3	54.5	53.2		51.1	22	32		16.49	15.96	15.58	14.96
			Sensible	37.7	37.0	36.5		35.8				11.04	10.83	10.69	10.48
		85	Total	56.3	54.5	53.2		51.1		29		16.49	15.96	15.58	14.96
Sensible			32.3	31.7	31.1	30.4		9.46			9.28	9.11	8.90		
80		Total	56.3	54.5	53.2	51.1	27			16.49	15.96	15.58	14.96		
		Sensible	32.3	26.2	25.7	25.0				9.46	7.67	7.53	7.32		
67	75	Total	56.3	54.5	53.2	51.1	19	24		16.49	15.96	15.58	14.96		
		Sensible	21.4	20.7	20.2	19.5				6.27	6.06	5.92	5.71		
	85	Total	51.7	50.0	48.3	46.4		29		15.14	14.64	14.14	13.59		
		Sensible	38.3	37.6	36.8	36.1				11.22	11.01	10.78	10.57		
	80	Total	51.7	50.0	48.3	46.4		27		15.14	14.64	14.14	13.59		
		Sensible	32.8	32.1	31.4	30.6				9.60	9.40	9.19	8.96		
62	75	Total	51.7	50.0	48.3	46.4	17	24		15.14	14.64	14.14	13.59		
		Sensible	27.3	26.7	26.0	25.2				7.99	7.82	7.61	7.38		
	85	Total	47.4	45.8	44.1	42.4		29		13.88	13.41	12.91	12.42		
		Sensible	45.5	44.2	42.9	41.6				13.32	12.94	12.56	12.18		
	80	Total	47.4	45.8	44.1	42.4		27		13.88	13.41	12.91	12.42		
		Sensible	38.7	38.0	37.2	36.6				11.33	11.13	10.89	10.72		
75	Total	47.4	45.8	44.1	42.4	24		13.88	13.41	12.91	12.42				
	Sensible	33.3	32.5	31.8	31.0			9.75	9.52	9.31	9.08				

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 1,333 CFM				Temp Ent Evap-°C			Evaporator @ 629 L/S					
WetBulb DryBulb			Air Temp. Ent. Cond.-°F				WetBulb DryBulb			Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	51.1	49.6	48.0	46.1	22	32		14.96	14.52	14.06	13.50		
		Sensibl	37.3	36.7	36.2	35.5				10.92	10.75	10.60	10.40		
	85	Total	51.1	49.6	48.0	46.0		29		14.96	14.52	14.06	13.47		
		Sensibl	31.4	30.9	30.3	29.7				9.19	9.05	8.87	8.70		
	80	Total	51.1	49.6	48.0	46.1		27		14.96	14.52	14.06	13.50		
		Sensibl	25.5	25.0	24.4	23.8				7.47	7.32	7.14	6.97		
	75	Total	51.1	49.6	48.0	46.1		24		14.96	14.52	14.06	13.50		
		Sensibl	19.6	19.0	18.5	17.8				5.74	5.56	5.42	5.21		
67	85	Total	47.1	45.3	43.5	42.1	19	29		13.79	13.27	12.74	12.33		
		Sensibl	37.9	37.2	36.5	35.9				11.10	10.89	10.69	10.51		
	80	Total	47.1	45.3	43.5	42.1		27		13.79	13.27	12.74	12.33		
		Sensibl	32.0	31.3	30.6	30.0				9.37	9.17	8.96	8.78		
	75	Total	47.1	45.3	43.5	42.1		24		13.79	13.27	12.74	12.33		
		Sensibl	26.0	25.3	24.6	24.1				7.61	7.41	7.20	7.06		
	62	85	Total	43.7	42.5	41.1		39.8	17	29		12.80	12.45	12.04	11.65
			Sensibl	42.9	41.7	41.1		39.8				12.56	12.21	12.04	11.65
80		Total	43.7	42.5	41.1	39.8	27			12.80	12.45	12.04	11.65		
		Sensibl	42.0	40.8	38.0	36.6				12.30	11.95	11.13	10.72		
75		Total	43.7	42.5	41.1	39.8	24			12.80	12.45	12.04	11.65		
		Sensibl	32.4	31.7	31.0	30.4				9.49	9.28	9.08	8.90		
Evaporator @ 1,000 CFM							Evaporator @ 472 L/S								
72		90	Total	48.7	46.9	45.8	43.9	22		32		14.26	13.73	13.41	12.86
	Sensibl		32.5	31.9	31.4	30.7			9.52		9.34	9.19	8.99		
	85	Total	48.7	46.9	45.8	43.9	29			14.26	13.73	13.41	12.86		
		Sensibl	27.9	27.3	26.8	26.1				8.17	7.99	7.85	7.64		
	80	Total	48.7	46.9	45.8	43.9	27			14.26	13.73	13.41	12.86		
		Sensibl	27.9	22.6	22.2	21.5				8.17	6.62	6.50	6.30		
	75	Total	48.7	46.9	45.8	43.9	24			14.26	13.73	13.41	12.86		
		Sensibl	18.6	17.9	17.5	16.8				5.45	5.24	5.12	4.92		
67	85	Total	44.5	43.1	41.5	39.8	19	29		13.03	12.62	12.15	11.65		
		Sensibl	33.0	32.3	31.7	31.0				9.66	9.46	9.28	9.08		
	80	Total	44.5	43.1	41.5	39.8		27		13.03	12.62	12.15	11.65		
		Sensibl	28.3	27.7	27.0	26.3				8.29	8.11	7.91	7.70		
	75	Total	44.5	43.1	41.5	39.8		24		13.03	12.62	12.15	11.65		
		Sensibl	23.6	23.0	22.4	21.7				6.91	6.73	6.56	6.35		
62	85	Total	40.8	39.4	37.9	36.4	17	29		11.95	11.54	11.10	10.66		
		Sensibl	39.3	38.0	36.8	35.6				11.51	11.13	10.78	10.42		
	80	Total	40.8	39.4	37.9	36.4		27		11.95	11.54	11.10	10.66		
		Sensibl	33.3	32.6	32.0	31.3				9.75	9.55	9.37	9.17		
	75	Total	40.8	39.4	37.9	36.4		24		11.95	11.54	11.10	10.66		
		Sensibl	28.6	28.0	27.3	26.6				8.37	8.20	7.99	7.79		

Dry coil conditions

HA-05

60HZ

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 2,000 CFM Air Temp. Ent. Cond.-°F				Temp Ent Evap-°C WetBulb DryBulb			Evaporator @ 944 L/S Air Temp. Ent. Cond.-°C			
			85	95	105	115				29	35	40	46
72	90	Total	72.8	70.1	66.8	63.5	22	32	21.32	20.53	19.56	18.59	
		Sensible	52.2	51.2	50.1	49.0			15.29	14.99	14.67	14.35	
	85	Total	72.8	70.1	66.8	63.5		29	21.32	20.53	19.56	18.59	
		Sensible	44.1	43.1	42.0	40.9			12.91	12.62	12.30	11.98	
	80	Total	72.8	70.1	66.8	63.5		27	21.32	20.53	19.56	18.59	
		Sensible	35.9	34.9	33.8	32.7			10.51	10.22	9.90	9.58	
	75	Total	72.8	70.1	66.8	63.5		24	21.32	20.53	19.56	18.59	
		Sensible	27.6	26.6	25.5	24.4			8.08	7.79	7.47	7.14	
67	85	Total	67.1	63.8	61.2	58.0	19	29	19.65	18.68	17.92	16.98	
		Sensible	53.0	51.7	50.7	49.8			15.52	15.14	14.85	14.58	
	80	Total	67.1	63.6	61.2	58.0		27	19.65	18.62	17.92	16.98	
		Sensible	44.9	43.5	42.6	41.4			13.15	12.74	12.47	12.12	
	75	Total	67.1	63.6	61.2	58.0		24	19.65	18.62	17.92	16.98	
		Sensible	36.6	35.3	34.3	33.1			10.72	10.34	10.04	9.69	
62	85	Total	61.8	59.4	56.9	54.7	17	29	18.10	17.39	16.66	16.02	
		Sensible	60.4	58.1	55.6	53.4			17.69	17.01	16.28	15.64	
	80	Total	61.8	59.4	56.9	54.7		27	18.10	17.39	16.66	16.02	
		Sensible	60.3	55.7	52.2	50.0			17.66	16.31	15.29	14.64	
	75	Total	61.8	59.4	56.9	54.7		24	18.10	17.39	16.66	16.02	
		Sensible	45.4	44.1	42.9	41.8			13.29	12.91	12.56	12.24	
Evaporator @ 1,500 CFM							Evaporator @ 708 L/S						
72	90	Total	69.6	66.4	63.7	60.8	22	32	20.38	19.44	18.65	17.80	
		Sensible	45.9	44.7	43.7	42.6			13.44	13.09	12.80	12.47	
	85	Total	69.6	66.4	63.7	60.8		29	20.38	19.44	18.65	17.80	
		Sensible	39.4	38.2	37.3	36.2			11.54	11.19	10.92	10.60	
	80	Total	69.6	66.4	63.7	60.8		27	20.38	19.44	18.65	17.80	
		Sensible	39.4	31.7	30.7	29.7			11.54	9.28	8.99	8.70	
	75	Total	69.6	66.4	63.7	60.8		24	20.38	19.44	18.65	17.80	
		Sensible	26.3	25.1	24.1	23.1			7.70	7.35	7.06	6.76	
67	85	Total	63.7	60.6	57.9	55.4	19	29	18.65	17.75	16.95	16.22	
		Sensible	46.5	45.2	44.1	43.1			13.62	13.24	12.91	12.62	
	80	Total	63.7	60.6	57.9	55.4		27	18.65	17.75	16.95	16.22	
		Sensible	40.0	38.7	37.6	36.6			11.71	11.33	11.01	10.72	
62	75	Total	63.7	60.6	57.9	55.4	17	24	18.65	17.75	16.95	16.22	
		Sensible	33.4	32.1	31.0	30.0			9.78	9.40	9.08	8.78	
	85	Total	58.2	55.6	52.8	50.4		29	17.04	16.28	15.46	14.76	
		Sensible	55.5	53.4	51.2	49.1			16.25	15.64	14.99	14.38	
62	80	Total	58.2	55.6	52.8	50.4	17	27	17.04	16.28	15.46	14.76	
		Sensible	47.0	45.8	44.5	43.4			13.76	13.41	13.03	12.71	
	75	Total	58.2	55.6	52.8	50.4		24	17.04	16.28	15.46	14.76	
		Sensible	40.4	39.2	37.9	36.8			11.83	11.48	11.10	10.78	

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 1,667 CFM				Temp Ent Evap-°C			Evaporator @ 786 L/S					
WetBulb		DryBulb	Air Temp. Ent. Cond.-°F				WetBulb		DryBulb	Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	63.9	61.2	58.6	55.3	22	32	18.71	17.92	17.16	16.19			
		Sensible	45.5	44.6	43.7	42.5			13.32	13.06	12.80	12.45			
	85	Total	63.9	61.2	58.6	55.3		29	18.71	17.92	17.16	16.19			
		Sensible	38.5	37.6	36.7	35.5			11.27	11.01	10.75	10.40			
	80	Total	63.9	61.2	58.6	55.3		27	18.71	17.92	17.16	16.19			
		Sensible	31.4	30.5	29.6	28.5			9.19	8.93	8.67	8.35			
	75	Total	63.9	61.2	58.6	55.3		24	18.71	17.92	17.16	16.19			
		Sensible	24.3	23.3	22.4	21.3			7.12	6.82	6.56	6.24			
	67	85	Total	58.7	55.9	53.3		50.6	19	29	17.19	16.37	15.61	14.82	
			Sensible	46.1	45.0	44.2		43.0			13.50	13.18	12.94	12.59	
80		Total	58.7	55.9	53.3	50.6	27	17.19		16.37	15.61	14.82			
		Sensible	39.1	38.0	37.0	36.0		11.45		11.13	10.83	10.54			
75		Total	58.7	55.9	53.3	50.6	24	17.19		16.37	15.61	14.82			
		Sensible	32.0	30.9	29.9	28.9		9.37		9.05	8.76	8.46			
62	85	Total	53.9	51.8	49.6	47.5	17	29	15.78	15.17	14.52	13.91			
		Sensible	52.8	50.7	48.6	47.5			15.46	14.85	14.23	13.91			
	80	Total	53.9	51.8	49.6	47.5		27	15.78	15.17	14.52	13.91			
		Sensible	52.2	50.0	45.7	43.5			15.29	14.64	13.38	12.74			
	75	Total	53.9	51.8	49.6	47.5		24	15.78	15.17	14.52	13.91			
		Sensible	39.5	38.4	37.3	36.3			11.57	11.24	10.92	10.63			
	Evaporator @ 1,250 CFM														
	Evaporator @ 590 L/S														
72	90	Total	60.7	57.9	55.9	52.7	22	32	17.77	16.95	16.37	15.43			
		Sensible	39.9	38.8	38.1	36.9			11.68	11.36	11.16	10.81			
	85	Total	60.7	57.9	55.9	52.7		29	17.77	16.95	16.37	15.43			
		Sensible	34.4	33.3	32.5	31.4			10.07	9.75	9.52	9.19			
	80	Total	60.7	57.9	55.9	52.7		27	17.77	16.95	16.37	15.43			
		Sensible	34.4	27.7	26.9	25.8			10.07	8.11	7.88	7.55			
	75	Total	60.7	57.9	55.9	52.7		24	17.77	16.95	16.37	15.43			
		Sensible	23.0	22.0	21.2	20.1			6.73	6.44	6.21	5.89			
	67	85	Total	55.5	52.8	50.3		48.2	19	29	16.25	15.46	14.73	14.11	
			Sensible	40.4	39.3	38.2		37.4			11.83	11.51	11.19	10.95	
80		Total	55.5	52.8	50.3	48.2	27	16.25		15.46	14.73	14.11			
		Sensible	34.8	33.7	32.6	31.8		10.19		9.87	9.55	9.31			
75		Total	55.5	52.8	50.3	48.2	24	16.25		15.46	14.73	14.11			
		Sensible	29.1	28.0	27.0	26.1		8.52		8.20	7.91	7.64			
62	85	Total	50.7	48.4	45.9	43.6	17	29	14.85	14.17	13.44	12.77			
		Sensible	49.0	46.3	44.5	42.6			14.35	13.56	13.03	12.47			
	80	Total	50.7	48.4	45.9	43.6		27	14.85	14.17	13.44	12.77			
		Sensible	40.8	39.7	38.5	37.6			11.95	11.63	11.27	11.01			
	75	Total	50.7	48.4	45.9	43.6		24	14.85	14.17	13.44	12.77			
		Sensible	35.1	34.1	32.9	31.8			10.28	9.99	9.63	9.31			

Dry coil conditions

HA-07

60HZ

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 2,800 CFM				Temp Ent Evap - °C			Evaporator @ 1321 L/S					
WetBulb		DryBulb	Air Temp. Ent. Cond. - °F				WetBulb		DryBulb	Air Temp. Ent. Cond. - °C					
			85	95	105	115				29	35	40	46		
72	90	Total	95.2	92.9	89.5	85.4	22	32		27.88	27.20	26.21	25.01		
		Sensible	72.4	71.6	70.4	69.0				21.20	20.97	20.61	20.20		
	85	Total	95.2	92.9	89.5	85.3		29		27.88	27.20	26.21	24.98		
		Sensible	60.6	59.8	58.6	57.2				17.75	17.51	17.16	16.75		
	80	Total	95.2	92.9	89.5	85.4		27		27.88	27.20	26.21	25.01		
		Sensible	48.6	47.9	46.7	45.3				14.23	14.03	13.67	13.27		
	75	Total	95.2	92.9	89.5	85.4		24		27.88	27.20	26.21	25.01		
		Sensible	36.6	35.8	34.7	33.2				10.72	10.48	10.16	9.72		
	67	85	Total	87.4	84.6	82.2		76.6	19	29		25.59	24.77	24.07	22.43
			Sensible	73.4	72.3	79.4		73.9				21.49	21.17	23.25	21.64
80		Total	87.4	84.6	82.2	78.4	27			25.59	24.77	24.07	22.96		
		Sensible	61.5	60.4	59.5	58.1				18.01	17.69	17.42	17.01		
75		Total	87.4	84.6	82.2	78.4	24			25.59	24.77	24.07	22.96		
		Sensible	49.5	48.4	47.5	46.1				14.49	14.17	13.91	13.50		
62	85	Total	83.0	80.7	78.6	76.2	17	29		24.30	23.63	23.02	22.31		
		Sensible	83.0	80.7	78.6	76.2				24.30	23.63	23.02	22.31		
	80	Total	83.0	80.7	78.6	76.2		27		24.30	23.63	23.02	22.31		
		Sensible	76.8	74.4	72.1	69.5				22.49	21.79	21.11	20.35		
	75	Total	83.0	80.7	78.6	76.2		24		24.30	23.63	23.02	22.31		
		Sensible	62.5	61.2	60.3	58.9				18.30	17.92	17.66	17.25		
Evaporator @ 2,100 CFM															
72	90	Total	91.2	88.6	85.8	82.1	22	32		26.71	25.94	25.12	24.04		
		Sensible	63.0	62.0	61.0	59.6				18.45	18.16	17.86	17.45		
	85	Total	91.2	88.6	85.8	82.0		29		26.71	25.94	25.12	24.01		
		Sensible	53.6	52.7	51.7	50.3				15.70	15.43	15.14	14.73		
	80	Total	91.2	88.6	85.8	82.1		27		26.71	25.94	25.12	24.04		
		Sensible	53.6	43.3	42.3	40.9				15.70	12.68	12.39	11.98		
	75	Total	91.2	88.6	85.8	82.1		24		26.71	25.94	25.12	24.04		
		Sensible	34.7	33.7	32.7	31.4				10.16	9.87	9.58	9.19		
	67	85	Total	83.6	80.7	78.2		75.5	19	29		24.48	23.63	22.90	22.11
			Sensible	63.8	62.6	61.7		60.6				18.68	18.33	18.07	17.75
80		Total	83.6	80.7	78.2	75.5	27			24.48	23.63	22.90	22.11		
		Sensible	54.4	53.2	52.3	51.2				15.93	15.58	15.31	14.99		
75		Total	83.6	80.7	78.2	75.5	24			24.48	23.63	22.90	22.11		
		Sensible	44.9	43.7	42.8	41.7				13.15	12.80	12.53	12.21		
62	85	Total	76.7	74.1	71.9	69.5	17	29		22.46	21.70	21.05	20.35		
		Sensible	74.7	72.7	70.5	68.2				21.87	21.29	20.64	19.97		
	80	Total	76.7	74.1	71.9	69.5		27		22.46	21.70	21.05	20.35		
		Sensible	64.6	63.4	62.4	61.2				18.92	18.57	18.27	17.92		
	75	Total	76.7	74.1	71.9	69.5		24		22.46	21.70	21.05	20.35		
		Sensible	55.1	54.0	52.7	51.5				16.13	15.81	15.43	15.08		

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 2,333 CFM				Temp Ent Evap - °C			Evaporator @ 1101 L/S			
WetBulb		DryBulb	Air Temp. Ent. Cond. - °F				WetBulb		DryBulb	Air Temp. Ent. Cond. - °C			
			85	95	105	115				29	35	40	46
72	90	Total	81.6	79.3	76.3	72.8	22	32		23.89	23.22	22.34	21.32
		Sensible	62.2	61.4	60.4	59.2				18.21	17.98	17.69	17.34
	85	Total	81.6	79.3	76.2	72.8		29		23.89	23.22	22.31	21.32
		Sensible	52.1	51.3	50.2	49.1				15.26	15.02	14.70	14.38
	80	Total	81.6	79.3	76.3	72.8		27		23.89	23.22	22.34	21.32
		Sensible	41.8	41.0	40.0	38.8				12.24	12.01	11.71	11.36
67	75	Total	81.6	79.3	76.3	72.8	19	24		23.89	23.22	22.34	21.32
		Sensible	31.5	30.7	29.6	28.5				9.22	8.99	8.67	8.35
	85	Total	74.9	72.2	69.8	65.2		29		21.93	21.14	20.44	19.09
		Sensible	63.1	62.1	61.2	62.9				18.48	18.18	17.92	18.42
	80	Total	74.9	72.2	69.8	66.7		27		21.93	21.14	20.44	19.53
		Sensible	52.9	51.9	50.9	49.8				15.49	15.20	14.90	14.58
62	75	Total	74.9	72.2	69.8	66.7	17	24		21.93	21.14	20.44	19.53
		Sensible	42.5	41.5	40.6	39.4				12.45	12.15	11.89	11.54
	85	Total	71.2	69.1	67.4	64.9		29		20.85	20.23	19.74	19.00
		Sensible	71.2	69.1	67.4	64.9				20.85	20.23	19.74	19.00
	80	Total	67.4	65.4	63.1	60.7		27		19.74	19.15	18.48	17.77
		Sensible	65.6	63.6	61.3	59.0				19.21	18.62	17.95	17.28
Evaporator @ 1,750 CFM													
72	90	Total	77.8	75.5	73.0	69.8	22	32		22.78	22.11	21.38	20.44
		Sensible	53.9	53.0	52.1	51.0				15.78	15.52	15.26	14.93
	85	Total	77.7	75.5	72.9	69.8		29		22.75	22.11	21.35	20.44
		Sensible	45.9	45.1	44.1	43.0				13.44	13.21	12.91	12.59
	80	Total	77.8	75.5	73.0	69.8		27		22.78	22.11	21.38	20.44
		Sensible	45.9	37.0	36.1	35.0				13.44	10.83	10.57	10.25
67	75	Total	77.8	75.5	73.0	69.8	19	24		22.78	22.11	21.38	20.44
		Sensible	29.7	28.9	27.9	26.8				8.70	8.46	8.17	7.85
	85	Total	71.5	68.7	66.2	63.7		29		20.94	20.12	19.39	18.65
		Sensible	54.7	53.6	52.6	51.6				16.02	15.70	15.40	15.11
	80	Total	71.5	68.7	66.2	63.7		27		20.94	20.12	19.39	18.65
		Sensible	46.7	45.5	44.5	43.5				13.67	13.32	13.03	12.74
62	75	Total	71.5	68.7	66.2	63.7	17	24		20.94	20.12	19.39	18.65
		Sensible	38.5	37.4	36.4	35.4				11.27	10.95	10.66	10.37
	85	Total	64.9	63.0	61.1	58.9		29		19.00	18.45	17.89	17.25
		Sensible	63.7	61.9	59.9	58.9				18.65	18.13	17.54	17.25
	80	Total	65.5	62.9	60.9	58.3		27		19.18	18.42	17.83	17.07
		Sensible	55.3	54.2	53.3	52.1				16.19	15.87	15.61	15.26
Evaporator @ 825 L/S													
72	90	Total	77.8	75.5	73.0	69.8	22	32		22.78	22.11	21.38	20.44
		Sensible	53.9	53.0	52.1	51.0				15.78	15.52	15.26	14.93
	85	Total	77.7	75.5	72.9	69.8		29		22.75	22.11	21.35	20.44
		Sensible	45.9	45.1	44.1	43.0				13.44	13.21	12.91	12.59
	80	Total	77.8	75.5	73.0	69.8		27		22.78	22.11	21.38	20.44
		Sensible	45.9	37.0	36.1	35.0				13.44	10.83	10.57	10.25
67	75	Total	77.8	75.5	73.0	69.8	19	24		22.78	22.11	21.38	20.44
		Sensible	29.7	28.9	27.9	26.8				8.70	8.46	8.17	7.85
	85	Total	71.5	68.7	66.2	63.7		29		20.94	20.12	19.39	18.65
		Sensible	54.7	53.6	52.6	51.6				16.02	15.70	15.40	15.11
	80	Total	71.5	68.7	66.2	63.7		27		20.94	20.12	19.39	18.65
		Sensible	46.7	45.5	44.5	43.5				13.67	13.32	13.03	12.74
62	75	Total	71.5	68.7	66.2	63.7	17	24		20.94	20.12	19.39	18.65
		Sensible	38.5	37.4	36.4	35.4				11.27	10.95	10.66	10.37
	85	Total	64.9	63.0	61.1	58.9		29		19.00	18.45	17.89	17.25
		Sensible	63.7	61.9	59.9	58.9				18.65	18.13	17.54	17.25
	80	Total	65.5	62.9	60.9	58.3		27		19.18	18.42	17.83	17.07
		Sensible	55.3	54.2	53.3	52.1				16.19	15.87	15.61	15.26
Evaporator @ 2,333 CFM													
72	90	Total	81.6	79.3	76.3	72.8	22	32		23.89	23.22	22.34	21.32
		Sensible	62.2	61.4	60.4	59.2				18.21	17.98	17.69	17.34
	85	Total	81.6	79.3	76.2	72.8		29		23.89	23.22	22.31	21.32
		Sensible	52.1	51.3	50.2	49.1				15.26	15.02	14.70	14.38
	80	Total	81.6	79.3	76.3	72.8		27		23.89	23.22	22.34	21.32
		Sensible	41.8	41.0	40.0	38.8				12.24	12.01	11.71	11.36
67	75	Total	81.6	79.3	76.3	72.8	19	24		23.89	23.22	22.34	21.32
		Sensible	31.5	30.7	29.6	28.5				9.22	8.99	8.67	8.35
	85	Total	74.9	72.2	69.8	65.2		29		21.93	21.14	20.44	19.09
		Sensible	63.1	62.1	61.2	62.9				18.48	18.18	17.92	18.42
	80	Total	74.9	72.2	69.8	66.7		27		21.93	21.14	20.44	19.53
		Sensible	52.9	51.9	50.9	49.8				15.49	15.20	14.90	14.58
62	75	Total	74.9	72.2	69.8	66.7	17	24		21.93	21.14	20.44	19.53
		Sensible	42.5	41.5	40.6	39.4				12.45	12.15	11.89	11.54
	85	Total	71.2	69.1	67.4	64.9		29		20.85	20.23	19.74	19.00
		Sensible	71.2	69.1	67.4	64.9				20.85	20.23	19.74	19.00
	80	Total	67.4	65.4	63.1	60.7		27		19.74	19.15	18.48	17.77
		Sensible	65.6	63.6	61.3	59.0				19.21	18.62	17.95	17.28
Evaporator @ 1,750 CFM													
72	90	Total	77.8	75.5	73.0	69.8	22	32		22.78	22.11	21.38	20.44
		Sensible	53.9	53.0	52.1	51.0				15.78	15.52	15.26	14.93
	85	Total	77.7	75.5	72.9	69.8		29		22.75	22.11	21.35	20.44
		Sensible	45.9	45.1	44.1	43.0				13.44	13.21	12.91	12.59
	80	Total	77.8	75.5	73.0	69.8		27		22.78	22.11	21.38	20.44
		Sensible	45.9	37.0	36.1	35.0				13.44	10.83	10.57	10.25
67	75	Total	77.8	75.5	73.0	69.8	19	24		22.78	22.11	21.38	20.44
		Sensible	29.7	28.9	27.9	26.8				8.70	8.46	8.17	7.85
	85	Total	71.5	68.7	66.2	63.7		29		20.94	20.12	19.39	18.65
		Sensible	54.7	53.6	52.6	51.6				16.02	15.70	15.40	15.11
	80	Total	71.5	68.7	66.2	63.7		27		20.94	20.12	19.39	18.65
		Sensible	46.7	45.5	44.5	43.5				13.67	13.32	13.03	12.74
62	75	Total	71.5	68.7	66.2	63.7	17	24		20.94	20.12	19.39	18.65
		Sensible	38.5	37.4	36.4	35.4				11.27	10.95	10.66	10.37
	85	Total	64.9	63.0	61.1	58.9		29		19.00	18.45	17.89	17.25
		Sensible	63.7	61.9	59.9	58.9				18.65	18.13	17.54	17.25
	80	Total	65.5	62.9	60.9	58.3		27		19.18	18.42	17.83	17.07
		Sensible	55.3	54.2	53.3	52.1				16.19	15.87	15.61	15.26
Evaporator @ 2,333 CFM													
72	90	Total	81.6	79.3	76.3	72.8	22	32		23.89	23.22	22.34	21.32
		Sensible	62.2	61.4	60.4	59.2				18.21	17.98	17.69	17.34
	85	Total	81.6	79.3	76.2	72.8		29		23.89	23.22	22.31	21.32
		Sensible	52.1	51.3	50.2	49.1				15.26	15.02	14.70	14.38
	80	Total	81.6	79.3	76.3	72.8		27		23.89	23.22	22.34	21.32
		Sensible	41.8	41.0	40.0	38.8				12.24	12.01	11.71	11.36
67	75	Total	81.6	79.3	76.3	72.8	19	24		23.89	23.22	22.34	21.32
		Sensible	31.5	30.7	29.6	28.5				9.22	8.99	8.67	8.35
	85	Total	74.9	72.2	69.8	65.2		29		21.93	21.14	20.44	19.09
		Sensible	63.1	62.1	61.2	62.9				18.48	18.18	17.92	18.42
	80	Total	74.9	72.2	69.8	66.7		27		21.93	21.14	20.44	19.53
		Sensible	52.9	51.9	50.9	49.8				15.49	15.20	14.90	14.58
62	75	Total	74.9	72.2	69.8	66.7	17	24		21.93	21.14	20.44	19.53
		Sensible	42.5	41.5	40.6	39.4				12.45	12.15	11.89	11.54
	85	Total	71.2	69.1	67.4	64.9		29		20.85	20.23	19.74	19.00
		Sensible	71.2	69.1	67.4	64.9				20.85	20.23	19.74	19.00
	80	Total	67.4	65.4	63.1	60.7		27		19.74	19.15	18.48	17.77
		Sensible	65.6	63.6	61.3	59.0				19.21	18.62	17.95	17.28
Evaporator @ 1,750 CFM													
72	90	Total	77.8	75.5	73.0	69.8	22	32		22.78	22.11	21.38	20.44
		Sensible	53.9	53.0	52.1	51.0				15.78	15.52	15.26	14.93
	85	Total	77.7	75.5	72.9	69.8		29		22.75	22.11	21.35	20.44
		Sensible	45.9	45.1	44.1	43.0				13.44	13.21	12.91	12.59
	80	Total	77.8	75.5	73.0	69.8		27		22.78	22.11	21.38	20.44
		Sensible	45.9	37.0	36.1	35.0				13.44	10.83	10.57	10.25
67	75	Total	77.8	75.5	73.0	69.8	19	24		22.78	22.11	21.38	20.44
		Sensible	29.7	28.9	27.9	26.8				8.70	8.46	8.17	7.85
	85	Total	71.5	68.7	66.2	63.7		29		20.94			

Dry coil conditions

HA-08

60HZ

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 3,200 CFM				Temp Ent Evap - °C			Evaporator @ 1509 L/S			
WetBulb	DryBulb		Air Temp. Ent. Cond. - °F				WetBulb	DryBulb		Air Temp. Ent. Cond. - °C			
			85	95	105	115				29	35	40	46
72	90	Total	118.4	115.1	111.5	106.4	22	32		34.67	33.70	32.65	31.16
		Sensible	84.9	83.7	82.5	80.7				24.86	24.51	24.16	23.63
	85	Total	118.3	115.0	111.4	106.4		29		34.64	33.67	32.62	31.16
		Sensible	71.7	70.5	69.3	67.5				21.00	20.64	20.29	19.77
	80	Total	118.4	115.1	111.5	106.4		27		34.67	33.70	32.65	31.16
		Sensible	58.4	57.2	56.0	54.2				17.10	16.75	16.40	15.87
	75	Total	118.4	115.1	111.5	106.4		24		34.67	33.70	32.65	31.16
		Sensible	44.9	43.8	42.5	40.8				13.15	12.83	12.45	11.95
	67	Total	108.9	105.0	101.8	98.0		19		31.89	30.75	29.81	28.70
		Sensible	86.2	84.7	83.5	82.0				25.24	24.80	24.45	24.01
62	85	Total	108.9	105.0	101.8	98.0	17	29		31.89	30.75	29.81	28.70
		Sensible	72.9	71.4	70.2	68.7				21.35	20.91	20.56	20.12
	80	Total	108.9	105.0	101.8	98.0		27		31.89	30.75	29.81	28.70
		Sensible	59.5	58.0	56.8	55.3				17.42	16.98	16.63	16.19
	75	Total	100.8	98.1	95.0	92.0		24		29.52	28.73	27.82	26.94
		Sensible	98.7	96.1	93.0	92.0				28.90	28.14	27.23	26.94
	67	Total	100.8	98.1	95.0	92.0		19		29.52	28.73	27.82	26.94
		Sensible	98.4	94.8	88.7	84.4				28.81	27.76	25.97	24.71
	80	Total	100.8	98.1	95.0	92.0		27		29.52	28.73	27.82	26.94
		Sensible	73.9	72.5	70.8	69.6				21.64	21.23	20.73	20.38
72	90	Total	112.6	108.8	106.1	102.2	22	32		32.97	31.86	31.07	29.93
		Sensible	74.3	72.9	71.9	70.4				21.76	21.35	21.05	20.61
	85	Total	112.6	108.8	106.1	102.2		29		32.97	31.86	31.07	29.93
		Sensible	63.8	62.4	61.4	60.0				18.68	18.27	17.98	17.57
	80	Total	112.6	108.8	106.1	102.2		27		32.97	31.86	31.07	29.93
		Sensible	63.8	51.9	50.9	49.4				18.68	15.20	14.90	14.47
	75	Total	112.6	108.8	106.1	102.2		24		32.97	31.86	31.07	29.93
		Sensible	42.6	41.2	40.2	38.8				12.47	12.06	11.77	11.36
	67	Total	103.2	100.0	96.3	92.9		19		30.22	29.28	28.20	27.20
		Sensible	75.3	74.0	72.5	71.1				22.05	21.67	21.23	20.82
62	85	Total	103.2	100.0	96.3	92.9	17	29		30.22	29.28	28.20	27.20
		Sensible	64.8	63.5	61.9	60.6				18.98	18.59	18.13	17.75
	80	Total	103.2	100.0	96.3	92.9		27		30.22	29.28	28.20	27.20
		Sensible	54.1	52.8	51.3	49.9				15.84	15.46	15.02	14.61
	75	Total	95.0	91.9	88.4	84.6		24		27.82	26.91	25.89	24.77
		Sensible	91.3	88.1	85.5	82.7				26.73	25.80	25.04	24.22
	67	Total	95.0	91.9	88.4	84.6		19		27.82	26.91	25.89	24.77
		Sensible	76.4	75.0	73.4	71.7				22.37	21.96	21.49	21.00
	80	Total	95.0	91.9	88.4	84.6		27		27.82	26.91	25.89	24.77
		Sensible	65.6	64.2	62.8	61.0				19.21	18.80	18.39	17.86

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 2,666 CFM Air Temp. Ent. Cond.-°F				Temp Ent Evap-°C WetBulb DryBulb		Evaporator @ 1258 L/S Air Temp. Ent. Cond.-°C								
			85	95	105	115			29	35	40	46					
72	90	Total	100.6	98.1	94.9	91.2	22	32	29.46	28.73	27.79	26.71					
		Sensible	72.8	71.9	70.8	69.5			21.32	21.05	20.73	20.35					
	85	Total	100.5	98.0	94.9	91.1		29	29.43	28.70	27.79	26.68					
		Sensible	61.4	60.5	59.4	58.1			17.98	17.72	17.39	17.01					
	80	Total	100.6	98.1	94.9	91.2		27	29.46	28.73	27.79	26.71					
		Sensible	49.9	49.0	48.0	46.7			14.61	14.35	14.06	13.67					
	75	Total	100.6	98.1	94.9	91.2		24	29.46	28.73	27.79	26.71					
		Sensible	38.3	37.4	36.4	35.1			11.22	10.95	10.66	10.28					
67	85	Total	93.0	89.6	86.6	83.4	19	29	27.23	26.24	25.36	24.42					
		Sensible	74.1	72.8	71.6	70.4			21.70	21.32	20.97	20.61					
	80	Total	93.0	89.6	86.6	83.4		27	27.23	26.24	25.36	24.42					
		Sensible	62.6	61.3	60.1	58.9			18.33	17.95	17.60	17.25					
	75	Total	93.0	89.6	86.6	83.4		24	27.23	26.24	25.36	24.42					
		Sensible	51.0	49.7	48.6	47.4			14.93	14.55	14.23	13.88					
	62	85	Total	86.3	84.0	81.4		78.7	17	29	25.27	24.60	23.84	23.05			
			Sensible	84.6	82.3	81.4		78.7			24.77	24.10	23.84	23.05			
80		Total	86.3	84.0	81.4	78.7	27	25.27		24.60	23.84	23.05					
		Sensible	83.0	80.9	76.0	72.4		24.30		23.69	22.25	21.20					
75		Total	86.3	84.0	81.4	78.7	24	25.27		24.60	23.84	23.05					
		Sensible	63.5	62.1	60.8	59.7		18.59		18.18	17.80	17.48					
Evaporator @ 2,000 CFM												Evaporator @ 943 L/S					
72		90	Total	96.0	92.7	90.8	87.0	22		32	28.11	27.14	26.59	25.48			
	Sensible		63.6	62.4	61.7	60.3	18.62		18.27		18.07	17.66					
	85	Total	96.0	93.0	90.7	87.0	29		28.11	27.23	26.56	25.48					
		Sensible	54.7	53.6	52.7	51.3			16.02	15.70	15.43	15.02					
	80	Total	96.0	92.7	90.8	87.0	27		28.11	27.14	26.59	25.48					
		Sensible	54.7	44.4	43.7	42.3			16.02	13.00	12.80	12.39					
	75	Total	96.0	92.7	90.8	87.0	24		28.11	27.14	26.59	25.48					
		Sensible	36.5	35.2	34.5	33.1			10.69	10.31	10.10	9.69					
67	85	Total	88.0	85.2	82.0	79.0	19	29	25.77	24.95	24.01	23.13					
		Sensible	64.5	63.4	62.0	60.8			18.89	18.57	18.16	17.80					
	80	Total	88.0	85.2	82.0	79.0		27	25.77	24.95	24.01	23.13					
		Sensible	55.5	54.3	53.0	51.8			16.25	15.90	15.52	15.17					
	75	Total	88.0	85.2	82.0	79.0		24	25.77	24.95	24.01	23.13					
		Sensible	46.4	45.2	43.9	42.6			13.59	13.24	12.86	12.47					
62	85	Total	80.7	78.0	75.1	72.2	17	29	23.63	22.84	21.99	21.14					
		Sensible	77.6	75.2	72.9	70.5			22.72	22.02	21.35	20.64					
	80	Total	80.7	78.0	75.1	72.2		27	23.63	22.84	21.99	21.14					
		Sensible	65.3	64.0	62.7	61.4			19.12	18.74	18.36	17.98					
	75	Total	80.7	78.0	75.1	72.2		24	23.63	22.84	21.99	21.14					
		Sensible	56.2	55.0	53.6	52.3			16.46	16.11	15.70	15.31					

 Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 4,000 CFM				Temp Ent Evap-°C			Metric - KW					
WetBulb	DryBulb		Air Temp. Ent. Cond.-°F				WetBulb	DryBulb		Evaporator @ 1887 L/S					
			85	95	105	115				Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	134.8	131.2	125.9	120.6	22	32	39.47	38.42	36.87	35.31			
		Sensible	103.0	101.7	99.9	98.1			30.16	29.78	29.25	28.73			
	85	Total	134.8	131.2	125.9	120.6		29	39.47	38.42	36.87	35.31			
		Sensible	86.1	84.9	83.0	81.3			25.21	24.86	24.30	23.81			
	80	Total	134.8	131.2	125.9	120.6		27	39.47	38.42	36.87	35.31			
		Sensible	69.1	67.8	66.0	64.3			20.23	19.85	19.33	18.83			
	75	Total	134.8	131.2	125.9	120.6		24	39.47	38.42	36.87	35.31			
		Sensible	51.8	50.6	48.8	47.1			15.17	14.82	14.29	13.79			
67	85	Total	124.2	119.4	116.2	111.2	19	29	36.37	34.96	34.03	32.56			
		Sensible	104.7	103.2	102.3	101.0			30.66	30.22	29.96	29.58			
	80	Total	124.2	119.4	116.2	111.2		27	36.37	34.96	34.03	32.56			
		Sensible	87.6	85.8	84.6	82.7			25.65	25.12	24.77	24.22			
	75	Total	124.2	119.4	116.2	111.2		24	36.37	34.96	34.03	32.56			
		Sensible	70.4	68.6	67.4	65.5			20.61	20.09	19.74	19.18			
	62	85	Total	117.1	113.7	110.3		107.4	17	29	34.29	33.29	32.30	31.45	
			Sensible	114.6	111.1	110.3		107.4			33.56	32.53	32.30	31.45	
80		Total	117.1	113.7	110.3	107.4	27	34.29		33.29	32.30	31.45			
		Sensible	108.1	105.0	101.4	97.8		31.65		30.75	29.69	28.64			
75		Total	117.1	113.7	110.3	107.4	24	34.29		33.29	32.30	31.45			
		Sensible	89.0	87.1	85.5	83.9		26.06		25.51	25.04	24.57			
Evaporator @ 3,000 CFM															
72		90	Total	129.1	125.5	121.0	116.2	22		32	37.80	36.75	35.43	34.03	
	Sensible		89.5	88.2	86.6	84.8	26.21		25.83		25.36	24.83			
	85	Total	129.1	125.5	121.0	116.2	29		37.80	36.75	35.43	34.03			
		Sensible	76.2	74.9	73.2	71.5			22.31	21.93	21.43	20.94			
	80	Total	129.1	125.5	121.0	116.2	27		37.80	36.75	35.43	34.03			
		Sensible	76.2	61.4	59.8	58.1			22.31	17.98	17.51	17.01			
	75	Total	129.1	125.5	121.0	116.2	24		37.80	36.75	35.43	34.03			
		Sensible	49.1	47.8	46.2	44.5			14.38	14.00	13.53	13.03			
67	85	Total	118.6	114.9	110.9	106.6	19	29	34.73	33.65	32.47	31.22			
		Sensible	90.9	89.4	87.8	86.1			26.62	26.18	25.71	25.21			
	80	Total	118.6	114.9	110.9	106.6		27	34.73	33.65	32.47	31.22			
		Sensible	77.4	75.9	74.4	72.6			22.66	22.23	21.79	21.26			
	75	Total	118.6	114.9	110.9	106.6		24	34.73	33.65	32.47	31.22			
		Sensible	63.9	62.4	60.8	59.1			18.71	18.27	17.80	17.31			
	62	85	Total	109.0	105.5	101.8		98.2	17	29	31.92	30.89	29.81	28.76	
			Sensible	105.9	103.0	99.9		96.3			31.01	30.16	29.25	28.20	
80		Total	109.0	105.5	101.8	98.2	27	31.92		30.89	29.81	28.76			
		Sensible	92.1	90.5	88.8	87.3		26.97		26.50	26.00	25.56			
75		Total	109.0	105.5	101.8	98.2	24	31.92		30.89	29.81	28.76			
		Sensible	78.6	77.0	75.2	73.6		23.02		22.55	22.02	21.55			

Dry coil conditions

English - MBH

Metric - KW

Metric - KW														
Temp Ent Evap - °F		Evaporator @ 3,333 CFM				Temp Ent Evap - °C		Evaporator @ 1572 L/S						
WetBulb	DryBulb	Air Temp. Ent. Cond. - °F				WetBulb	DryBulb	Air Temp. Ent. Cond. - °C						
		85	95	105	115			29	35	40	46			
72	90	Total	116.4	113.2	109.2	104.7	22	32	34.08	33.15	31.98	30.66		
		Sensible	88.8	87.7	86.4	84.8			26.00	25.68	25.30	24.83		
	85	Total	116.4	113.2	109.2	104.7		29	34.08	33.15	31.98	30.66		
		Sensible	74.3	73.2	71.9	70.3			21.76	21.43	21.05	20.59		
	80	Total	116.4	113.2	109.2	104.7		27	34.08	33.15	31.98	30.66		
		Sensible	59.7	58.6	57.2	55.7			17.48	17.16	16.75	16.31		
	75	Total	116.4	113.2	109.2	104.7		24	34.08	33.15	31.98	30.66		
		Sensible	44.9	43.8	42.4	40.9			13.15	12.83	12.42	11.98		
67	85	Total	107.3	103.5	100.6	96.2	19	29	31.42	30.31	29.46	28.17		
		Sensible	90.3	88.8	87.7	85.0			26.44	26.00	25.68	24.89		
	80	Total	107.3	103.5	100.6	96.2		27	31.42	30.31	29.46	28.17		
		Sensible	75.7	74.2	73.1	71.4			22.17	21.73	21.41	20.91		
	75	Total	107.3	103.5	100.6	96.2		24	31.42	30.31	29.46	28.17		
		Sensible	60.9	59.4	58.3	56.6			17.83	17.39	17.07	16.57		
	62	85	Total	101.2	98.2	95.3		92.7	17	29	29.63	28.76	27.91	27.14
			Sensible	99.1	98.2	95.3		92.7			29.02	28.76	27.91	27.14
80		Total	101.2	98.2	95.3	92.7	27	29.63		28.76	27.91	27.14		
		Sensible	93.4	90.7	87.6	84.5		27.35		26.56	25.65	24.74		
75		Total	101.2	98.2	95.3	92.7	24	29.63		28.76	27.91	27.14		
		Sensible	76.7	75.1	73.6	72.2		22.46		21.99	21.55	21.14		
Evaporator @ 2,500 CFM														
72		90	Total	111.3	108.2	104.6	100.0	22		32	32.59	31.68	30.63	29.28
	Sensible		77.2	76.0	74.7	73.0	22.61		22.25		21.87	21.38		
	85	Total	111.3	108.1	104.6	100.0	29		32.59	31.65	30.63	29.28		
		Sensible	65.7	64.5	63.2	61.6			19.24	18.89	18.51	18.04		
	80	Total	111.3	108.1	104.6	100.0	27		32.59	31.65	30.63	29.28		
		Sensible	65.7	53.0	51.7	50.1			19.24	15.52	15.14	14.67		
	75	Total	111.3	108.2	104.6	100.0	24		32.59	31.68	30.63	29.28		
		Sensible	42.5	41.4	40.1	38.4			12.45	12.12	11.74	11.24		
67	85	Total	102.1	98.9	95.3	91.8	19	29	29.90	28.96	27.91	26.88		
		Sensible	78.2	76.9	75.5	74.0			22.90	22.52	22.11	21.67		
	80	Total	102.1	98.9	95.3	91.8		27	29.90	28.96	27.91	26.88		
		Sensible	66.7	65.4	64.0	62.5			19.53	19.15	18.74	18.30		
	75	Total	102.1	98.9	95.3	91.8		24	29.90	28.96	27.91	26.88		
		Sensible	55.1	53.8	52.3	50.9			16.13	15.75	15.31	14.90		
	62	85	Total	93.7	90.6	87.5		84.6	17	29	27.44	26.53	25.62	24.77
			Sensible	91.0	88.6	85.9		83.0			26.65	25.94	25.15	24.30
80		Total	93.7	90.6	87.5	84.6	27	27.44		26.53	25.62	24.77		
		Sensible	79.2	77.8	76.3	74.9		23.19		22.78	22.34	21.93		
75		Total	93.7	90.6	87.5	84.6	24	27.44		26.53	25.62	24.77		
		Sensible	67.6	66.2	64.7	63.1		19.80		19.39	18.95	18.48		

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 5,200 CFM				Temp Ent Evap -°C			Evaporator @ 2453 L/S					
WetBulb	DryBulb		Air Temp. Ent. Cond.-°F				WetBulb	DryBulb		Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	179.6	175.3	167.9	160.9	22	32		52.59	51.33	49.17	47.12		
		Sensible	128.4	126.9	124.3	121.9				37.60	37.16	36.40	35.70		
	85	Total	179.6	175.3	167.9	160.9		29		52.59	51.33	49.17	47.12		
		Sensible	108.3	106.9	104.3	102.0				31.71	31.30	30.54	29.87		
	80	Total	179.6	175.3	167.9	160.9		27		52.59	51.33	49.17	47.12		
		Sensible	88.2	86.7	84.2	81.8				25.83	25.39	24.66	23.95		
	75	Total	179.6	175.3	167.9	160.9		24		52.59	51.33	49.17	47.12		
		Sensible	67.7	66.2	63.7	61.4				19.82	19.39	18.65	17.98		
	67	85	Total	165.8	159.6	155.2		147.9	19	29		48.55	46.73	45.45	43.31
			Sensible	130.6	128.2	126.5		124.8				38.24	37.54	37.04	36.54
80		Total	165.8	159.6	155.2	147.9	27			48.55	46.73	45.45	43.31		
		Sensible	110.4	108.1	106.4	103.6				32.33	31.65	31.16	30.34		
75		Total	165.8	159.6	155.2	147.9	24			48.55	46.73	45.45	43.31		
		Sensible	90.1	87.7	86.0	83.3				26.38	25.68	25.18	24.39		
62	85	Total	154.5	150.1	145.9	141.5	17	29		45.24	43.95	42.72	41.43		
		Sensible	151.2	146.7	145.9	141.5				44.28	42.96	42.72	41.43		
	80	Total	154.5	150.1	145.9	141.5		27		45.24	43.95	42.72	41.43		
		Sensible	147.4	140.2	133.9	129.4				43.16	41.05	39.21	37.89		
	75	Total	154.5	150.1	145.9	141.5		24		45.24	43.95	42.72	41.43		
		Sensible	112.0	109.5	107.6	105.2				32.80	32.06	31.51	30.81		
	Evaporator @ 3,900 CFM										Evaporator @ 1840 L/S				
	72	90	Total	171.5	167.6	161.6		154.4	22	32		50.22	49.08	47.32	45.21
Sensible			112.8	111.4	109.2	106.6		33.03			32.62	31.98	31.22		
85		Total	171.4	167.6	161.6	154.4	29			50.19	49.08	47.32	45.21		
		Sensible	96.8	95.4	93.2	90.6				28.35	27.94	27.29	26.53		
80		Total	171.4	167.6	161.6	154.4	27			50.19	49.08	47.32	45.21		
		Sensible	96.8	79.3	77.1	74.5				28.35	23.22	22.58	21.82		
75		Total	171.5	167.6	161.6	154.4	24			50.22	49.08	47.32	45.21		
		Sensible	64.4	63.0	60.8	58.2				18.86	18.45	17.80	17.04		
67		85	Total	157.5	152.3	147.8	141.7	19		29		46.12	44.60	43.28	41.49
			Sensible	114.6	112.4	110.6	108.1					33.56	32.91	32.39	31.65
	80	Total	157.5	152.3	147.8	141.7	27			46.12	44.60	43.28	41.49		
		Sensible	98.5	96.3	94.5	92.1				28.84	28.20	27.67	26.97		
	75	Total	157.5	152.3	147.8	141.7	24			46.12	44.60	43.28	41.49		
		Sensible	82.2	80.1	78.2	75.8				24.07	23.46	22.90	22.20		
62	85	Total	141.9	138.0	133.6	129.6	17	29		41.55	40.41	39.12	37.95		
		Sensible	139.3	135.4	131.0	126.7				40.79	39.65	38.36	37.10		
	80	Total	141.9	138.0	133.6	129.6		27		41.55	40.41	39.12	37.95		
		Sensible	116.0	113.8	112.2	109.3				33.97	33.32	32.86	32.01		
	75	Total	141.9	138.0	133.6	129.6		24		41.55	40.41	39.12	37.95		
		Sensible	100.0	97.6	95.3	93.1				29.28	28.58	27.91	27.26		

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 4,333 CFM Air Temp. Ent. Cond. - °F				Temp Ent Evap - °C WetBulb DryBulb			Evaporator @ 2044 L/S Air Temp. Ent. Cond. - °C					
			85	95	105	115				29	35	40	46		
72	90	Total	154.9	150.2	144.2	137.7	22	32	45.36	43.98	42.23	40.32			
		Sensible	111.2	109.6	107.4	105.2			32.56	32.09	31.45	30.81			
	85	Total	154.9	150.2	144.2	137.7		29	45.36	43.98	42.23	40.32			
		Sensible	93.9	92.5	90.1	87.9			27.50	27.09	26.38	25.74			
	80	Total	154.9	150.2	144.2	137.7		27	45.36	43.98	42.23	40.32			
		Sensible	76.4	74.7	72.6	70.4			22.37	21.87	21.26	20.61			
	75	Total	154.9	150.2	144.2	137.7		24	45.36	43.98	42.23	40.32			
		Sensible	58.6	57.0	54.9	52.8			17.16	16.69	16.08	15.46			
67	85	Total	142.7	137.0	132.2	126.4	19	29	41.79	40.12	38.71	37.01			
		Sensible	113.0	110.8	108.9	106.1			33.09	32.45	31.89	31.07			
	80	Total	142.7	137.0	132.2	126.4		27	41.79	40.12	38.71	37.01			
		Sensible	95.5	93.3	91.5	89.3			27.96	27.32	26.79	26.15			
	75	Total	142.7	137.0	132.2	126.4		24	41.79	40.12	38.71	37.01			
		Sensible	77.9	75.7	73.8	71.6			22.81	22.17	21.61	20.97			
62	85	Total	133.2	129.0	124.8	121.3	17	29	39.00	37.77	36.54	35.52			
		Sensible	130.4	129.0	124.8	121.3			38.18	37.77	36.54	35.52			
	80	Total	133.2	129.0	124.8	121.3		27	39.00	37.77	36.54	35.52			
		Sensible	126.7	122.4	114.8	110.3			37.10	35.84	33.62	32.30			
	75	Total	133.2	129.0	124.8	121.3		24	39.00	37.77	36.54	35.52			
		Sensible	96.8	94.5	92.8	90.2			28.35	27.67	27.17	26.41			
Evaporator @ 3,250 CFM												Evaporator @ 1533 L/S			
72	90	Total	147.7	143.2	137.8	131.9	22	32	43.25	41.93	40.35	38.62			
		Sensible	97.4	95.8	93.7	91.6			28.52	28.05	27.44	26.82			
	85	Total	147.7	143.2	137.8	131.9		29	43.25	41.93	40.35	38.62			
		Sensible	83.6	82.0	80.0	77.8			24.48	24.01	23.43	22.78			
	80	Total	147.7	143.2	137.8	131.9		27	43.25	41.93	40.35	38.62			
		Sensible	83.6	68.1	66.1	64.0			24.48	19.94	19.36	18.74			
	75	Total	147.7	143.2	137.8	131.9		24	43.25	41.93	40.35	38.62			
		Sensible	55.7	54.0	52.0	49.9			16.31	15.81	15.23	14.61			
67	85	Total	135.2	130.1	125.9	120.5	19	29	39.59	38.10	36.87	35.29			
		Sensible	98.7	96.6	94.9	92.7			28.90	28.29	27.79	27.14			
	80	Total	135.2	130.1	125.9	120.5		27	39.59	38.10	36.87	35.29			
		Sensible	84.8	82.8	81.0	78.9			24.83	24.25	23.72	23.10			
	75	Total	135.2	130.1	125.9	120.5		24	39.59	38.10	36.87	35.29			
		Sensible	70.8	68.7	67.0	64.9			20.73	20.12	19.62	19.00			
62	85	Total	123.8	119.4	114.4	110.1	17	29	36.25	34.96	33.50	32.24			
		Sensible	119.5	116.0	111.9	107.9			34.99	33.97	32.77	31.60			
	80	Total	123.8	119.4	114.4	110.1		27	36.25	34.96	33.50	32.24			
		Sensible	100.1	97.8	95.7	93.4			29.31	28.64	28.02	27.35			
	75	Total	123.8	119.4	114.4	110.1		24	36.25	34.96	33.50	32.24			
		Sensible	85.8	83.8	81.6	79.5			25.12	24.54	23.89	23.28			

 Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap. - °F WetBulb DryBulb			Evaporator @ 6,400 CFM Air Temp. Ent. Cond. -°F				Temp Ent Evap.°C WetBulb DryBulb			Evaporator @ 3019 L/S Air Temp. Ent. Cond. -°C			
			Air Temp. Ent. Cond. -°F							Air Temp. Ent. Cond. -°C			
			85	95	105	115				29	35	40	46
72	90	Total	227.5	221.0	213.3	204.7	22	32	66.62	64.71	62.46	59.94	
		Sensible	156.1	153.8	151.2	148.2			45.71	45.04	44.28	43.40	
	85	Total	227.5	221.0	213.3	204.7		29	66.62	64.71	62.46	59.94	
		Sensible	132.6	130.3	127.7	124.7			38.83	38.16	37.39	36.52	
	80	Total	227.5	221.0	213.3	204.7		27	66.62	64.71	62.46	59.94	
		Sensible	108.9	106.6	104.0	101.1			31.89	31.22	30.45	29.60	
67	75	Total	227.5	221.0	213.3	204.7	19	24	66.62	64.71	62.46	59.94	
		Sensible	84.9	82.6	80.0	77.1			24.86	24.19	23.43	22.58	
	85	Total	209.3	202.2	195.1	187.6		29	61.29	59.21	57.13	54.93	
		Sensible	158.5	156.0	153.4	151.9			46.41	45.68	44.92	44.48	
	80	Total	209.3	202.2	195.1	187.6		27	61.29	59.21	57.13	54.93	
		Sensible	134.9	132.2	129.4	126.6			39.50	38.71	37.89	37.07	
62	75	Total	209.3	202.2	195.1	187.6	17	24	61.29	59.21	57.13	54.93	
		Sensible	111.0	108.2	105.5	102.7			32.50	31.68	30.89	30.07	
	85	Total	192.5	186.8	181.0	174.8		29	56.37	54.70	53.00	51.19	
		Sensible	188.0	182.6	176.9	170.7			55.05	53.47	51.80	49.99	
	80	Total	192.5	186.8	181.0	174.8		27	56.37	54.70	53.00	51.19	
		Sensible	187.4	182.4	172.4	160.8			54.88	53.41	50.48	47.09	
62	75	Total	192.5	186.8	181.0	174.8	17	24	56.37	54.70	53.00	51.19	
		Sensible	136.9	134.1	131.0	128.1			40.09	39.27	38.36	37.51	

Evaporator @ 4,800 CFM							Evaporator @ 2264 L/S						
72	90	Total	216.8	209.9	204.6	195.9	22	32	63.48	61.46	59.91	57.36	
		Sensible	138.1	135.5	133.6	130.4			40.44	39.68	39.12	38.18	
	85	Total	216.8	209.9	204.6	195.9		29	63.48	61.46	59.91	57.36	
		Sensible	119.2	116.7	114.7	111.5			34.90	34.17	33.59	32.65	
	80	Total	216.8	209.9	204.6	195.9		27	63.48	61.46	59.91	57.36	
		Sensible	119.2	97.6	95.7	92.5			34.90	28.58	28.02	27.09	
67	75	Total	216.8	209.9	204.6	195.9	19	24	63.48	61.46	59.91	57.36	
		Sensible	80.9	78.3	76.4	73.3			23.69	22.93	22.37	21.46	
	85	Total	199.2	192.7	185.9	178.4		29	58.33	56.43	54.44	52.24	
		Sensible	140.3	137.6	134.8	131.8			41.08	40.29	39.47	38.59	
	80	Total	199.2	192.7	185.9	178.4		27	58.33	56.43	54.44	52.24	
		Sensible	121.3	118.6	115.8	112.8			35.52	34.73	33.91	33.03	
62	75	Total	199.2	192.7	185.9	178.4	17	24	58.33	56.43	54.44	52.24	
		Sensible	102.0	99.3	96.6	93.6			29.87	29.08	28.29	27.41	
	85	Total	182.8	176.9	170.3	161.0		29	53.53	51.80	49.87	47.14	
		Sensible	178.9	168.7	163.6	157.9			52.39	49.40	47.91	46.24	
	80	Total	182.8	176.9	170.3	161.0		27	53.53	51.80	49.87	47.14	
		Sensible	142.1	139.3	136.4	133.6			41.61	40.79	39.94	39.12	
62	75	Total	182.8	176.9	170.3	161.0	17	24	53.53	51.80	49.87	47.14	
		Sensible	122.8	120.2	117.2	114.0			35.96	35.20	34.32	33.38	

English - MBH

Metric - KW

Temp Ent Evap - °F				Evaporator @ 5,333 CFM				Temp Ent Evap - °C		Evaporator @ 2516 L/S				
WetBulb		DryBulb		Air Temp. Ent. Cond. - °F				WetBulb		DryBulb	Air Temp. Ent. Cond. - °C			
			85	95	105	115			29	35	40	46		
72	90	Total	194.8	189.3	183.5	176.4	22	32	57.04	55.43	53.73	51.65		
		Sensible	135.0	133.0	131.0	128.5			39.53	38.95	38.36	37.63		
	85	Total	194.8	189.3	183.5	176.4		29	57.04	55.43	53.73	51.65		
		Sensible	114.5	112.6	110.6	108.1			33.53	32.97	32.39	31.65		
	80	Total	194.8	189.3	183.5	176.4		27	57.04	55.43	53.73	51.65		
		Sensible	93.9	92.0	90.0	87.5			27.50	26.94	26.35	25.62		
67	75	Total	194.8	189.3	183.5	176.4	19	24	57.04	55.43	53.73	51.65		
		Sensible	73.0	71.1	69.1	66.7			21.38	20.82	20.23	19.53		
	85	Total	179.3	173.4	167.3	161.4		29	52.50	50.78	48.99	47.26		
		Sensible	137.1	134.8	132.5	130.2			40.15	39.47	38.80	38.13		
	80	Total	179.3	173.4	167.3	161.4		27	52.50	50.78	48.99	47.26		
		Sensible	116.6	114.3	111.9	109.7			34.14	33.47	32.77	32.12		
62	75	Total	179.3	173.4	167.3	161.4	17	24	52.50	50.78	48.99	47.26		
		Sensible	95.7	93.5	91.1	88.9			28.02	27.38	26.68	26.03		
	85	Total	165.4	160.9	156.1	150.6		29	48.43	47.12	45.71	44.10		
		Sensible	161.9	157.5	152.7	150.6			47.41	46.12	44.71	44.10		
	80	Total	165.4	160.9	156.1	150.6		27	48.43	47.12	45.71	44.10		
		Sensible	160.8	155.2	148.2	138.6			47.09	45.45	43.40	40.59		
Evaporator @ 4,000 CFM														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03	33.27		
	80	Total	170.5	165.1	159.2	152.6		27	49.93	48.35	46.62	44.69		
		Sensible	104.5	102.2	99.8	97.1			30.60	29.93	29.22	28.43		
62	75	Total	170.5	165.1	159.2	152.6	17	24	49.93	48.35	46.62	44.69		
		Sensible	87.8	85.6	83.2	80.5			25.71	25.07	24.36	23.57		
	85	Total	155.5	147.3	143.1	138.4		29	45.53	43.13	41.90	40.53		
		Sensible	152.8	144.7	140.4	135.8			44.74	42.37	41.11	39.77		
	80	Total	156.6	151.4	145.7	139.7		27	45.86	44.33	42.66	40.91		
		Sensible	122.5	120.1	117.5	114.8			35.87	35.17	34.41	33.62		
Evaporator @ 1887 L/S														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03	33.27		
	80	Total	170.5	165.1	159.2	152.6		27	49.93	48.35	46.62	44.69		
		Sensible	104.5	102.2	99.8	97.1			30.60	29.93	29.22	28.43		
62	75	Total	170.5	165.1	159.2	152.6	17	24	49.93	48.35	46.62	44.69		
		Sensible	87.8	85.6	83.2	80.5			25.71	25.07	24.36	23.57		
	85	Total	155.5	147.3	143.1	138.4		29	45.53	43.13	41.90	40.53		
		Sensible	152.8	144.7	140.4	135.8			44.74	42.37	41.11	39.77		
	80	Total	156.6	151.4	145.7	139.7		27	45.86	44.33	42.66	40.91		
		Sensible	122.5	120.1	117.5	114.8			35.87	35.17	34.41	33.62		
Metric - KW														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03	33.27		
	80	Total	170.5	165.1	159.2	152.6		27	49.93	48.35	46.62	44.69		
		Sensible	104.5	102.2	99.8	97.1			30.60	29.93	29.22	28.43		
62	75	Total	170.5	165.1	159.2	152.6	17	24	49.93	48.35	46.62	44.69		
		Sensible	87.8	85.6	83.2	80.5			25.71	25.07	24.36	23.57		
	85	Total	155.5	147.3	143.1	138.4		29	45.53	43.13	41.90	40.53		
		Sensible	152.8	144.7	140.4	135.8			44.74	42.37	41.11	39.77		
	80	Total	156.6	151.4	145.7	139.7		27	45.86	44.33	42.66	40.91		
		Sensible	122.5	120.1	117.5	114.8			35.87	35.17	34.41	33.62		
Metric - KW														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03	33.27		
	80	Total	170.5	165.1	159.2	152.6		27	49.93	48.35	46.62	44.69		
		Sensible	104.5	102.2	99.8	97.1			30.60	29.93	29.22	28.43		
62	75	Total	170.5	165.1	159.2	152.6	17	24	49.93	48.35	46.62	44.69		
		Sensible	87.8	85.6	83.2	80.5			25.71	25.07	24.36	23.57		
	85	Total	155.5	147.3	143.1	138.4		29	45.53	43.13	41.90	40.53		
		Sensible	152.8	144.7	140.4	135.8			44.74	42.37	41.11	39.77		
	80	Total	156.6	151.4	145.7	139.7		27	45.86	44.33	42.66	40.91		
		Sensible	122.5	120.1	117.5	114.8			35.87	35.17	34.41	33.62		
Metric - KW														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03	33.27		
	80	Total	170.5	165.1	159.2	152.6		27	49.93	48.35	46.62	44.69		
		Sensible	104.5	102.2	99.8	97.1			30.60	29.93	29.22	28.43		
62	75	Total	170.5	165.1	159.2	152.6	17	24	49.93	48.35	46.62	44.69		
		Sensible	87.8	85.6	83.2	80.5			25.71	25.07	24.36	23.57		
	85	Total	155.5	147.3	143.1	138.4		29	45.53	43.13	41.90	40.53		
		Sensible	152.8	144.7	140.4	135.8			44.74	42.37	41.11	39.77		
	80	Total	156.6	151.4	145.7	139.7		27	45.86	44.33	42.66	40.91		
		Sensible	122.5	120.1	117.5	114.8			35.87	35.17	34.41	33.62		
Metric - KW														
72	90	Total	185.8	179.8	175.3	168.4	22	32	54.41	52.65	51.33	49.31		
		Sensible	119.2	116.9	115.2	112.7			34.90	34.23	33.73	33.00		
	85	Total	185.7	179.8	175.3	168.4		29	54.38	52.65	51.33	49.31		
		Sensible	102.8	100.6	98.9	96.4			30.10	29.46	28.96	28.23		
	80	Total	185.8	179.8	175.3	168.4		27	54.41	52.65	51.33	49.31		
		Sensible	102.8	84.1	82.4	79.9			30.10	24.63	24.13	23.40		
67	75	Total	185.8	179.8	175.3	168.4	19	24	54.41	52.65	51.33	49.31		
		Sensible	69.6	67.4	65.8	63.3			20.38	19.74	19.27	18.54		
	85	Total	170.5	165.1	159.2	152.6		29	49.93	48.35	46.62	44.69		
		Sensible	120.9	118.7	116.2	113.6			35.40	34.76	34.03			

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 8,000 CFM Air Temp. Ent. Cond.-°F				Temp Ent Evap-°C WetBulb DryBulb		Evaporator @ 3774 L/S Air Temp. Ent. Cond.-°C			
			85	95	105	115			29	35	40	46
72	90	Total	271.2	264.4	253.6	243.0	22	32	79.41	77.42	74.26	71.16
		Sensible	201.6	199.2	195.5	191.9			59.03	58.33	57.25	56.19
	85	Total	271.2	263.4	253.6	243.0		29	79.41	77.13	74.26	71.16
		Sensible	169.2	166.8	163.1	159.6			49.55	48.84	47.76	46.73
	80	Total	271.2	264.4	253.6	243.0		27	79.41	77.42	74.26	71.16
		Sensible	136.5	134.2	130.5	126.9			39.97	39.30	38.21	37.16
67	75	Total	271.2	264.4	253.6	243.0	19	24	79.41	77.42	74.26	71.16
		Sensible	103.4	101.1	97.4	93.9			30.28	29.60	28.52	27.50
	85	Total	250.0	241.0	234.3	223.8		29	73.21	70.57	68.61	65.53
		Sensible	204.9	201.4	196.4	193.5			60.00	58.98	57.51	56.66
	80	Total	250.0	241.0	234.3	223.8		27	73.21	70.57	68.61	65.53
		Sensible	172.2	168.8	166.3	162.3			50.42	49.43	48.70	47.53
62	75	Total	250.0	241.0	234.3	223.8	17	24	73.21	70.57	68.61	65.53
		Sensible	139.2	135.8	133.3	129.3			40.76	39.77	39.03	37.86
	85	Total	234.4	228.0	220.6	214.2		29	68.64	66.76	64.60	62.72
		Sensible	229.3	223.0	220.6	214.2			67.14	65.30	64.60	62.72
	80	Total	234.4	228.0	220.6	214.2		27	68.64	66.76	64.60	62.72
		Sensible	223.7	210.1	203.4	195.7			65.51	61.52	59.56	57.31
Evaporator @ 6,000 CFM												
72	90	Total	260.1	252.6	243.3	233.7	22	32	76.16	73.97	71.24	68.43
		Sensible	176.5	173.8	170.4	166.9			51.68	50.89	49.90	48.87
	85	Total	260.0	252.6	243.3	233.7		29	76.13	73.97	71.24	68.43
		Sensible	150.7	148.0	144.6	141.2			44.13	43.34	42.34	41.35
	80	Total	260.1	252.6	243.3	233.7		27	76.16	73.97	71.24	68.43
		Sensible	150.7	122.0	118.6	115.2			44.13	35.72	34.73	33.73
67	75	Total	260.1	252.6	243.3	233.7	19	24	76.16	73.97	71.24	68.43
		Sensible	98.4	95.7	92.3	88.9			28.81	28.02	27.03	26.03
	85	Total	238.8	230.8	222.9	214.3		29	69.93	67.58	65.27	62.75
		Sensible	179.1	175.9	172.7	169.2			52.45	51.51	50.57	49.55
	80	Total	238.8	230.8	222.9	214.3		27	69.93	67.58	65.27	62.75
		Sensible	153.2	149.9	146.7	143.3			44.86	43.89	42.96	41.96
62	75	Total	238.8	230.8	222.9	214.3	17	24	69.93	67.58	65.27	62.75
		Sensible	126.9	123.7	120.5	117.1			37.16	36.22	35.29	34.29
	85	Total	215.7	209.9	204.4	197.2		29	63.16	61.46	59.85	57.75
		Sensible	211.7	205.9	199.8	193.0			61.99	60.29	58.51	56.52
	80	Total	215.7	209.9	204.4	197.2		27	63.16	61.46	59.85	57.75
		Sensible	181.5	178.1	174.7	171.6			53.15	52.15	51.16	50.25
Evaporator @ 2830 L/S												
72	90	Total	260.1	252.6	243.3	233.7	22	32	76.16	73.97	71.24	68.43
		Sensible	176.5	173.8	170.4	166.9			51.68	50.89	49.90	48.87
	85	Total	260.0	252.6	243.3	233.7		29	76.13	73.97	71.24	68.43
		Sensible	150.7	148.0	144.6	141.2			44.13	43.34	42.34	41.35
	80	Total	260.1	252.6	243.3	233.7		27	76.16	73.97	71.24	68.43
		Sensible	150.7	122.0	118.6	115.2			44.13	35.72	34.73	33.73
67	75	Total	260.1	252.6	243.3	233.7	19	24	76.16	73.97	71.24	68.43
		Sensible	98.4	95.7	92.3	88.9			28.81	28.02	27.03	26.03
	85	Total	238.8	230.8	222.9	214.3		29	69.93	67.58	65.27	62.75
		Sensible	179.1	175.9	172.7	169.2			52.45	51.51	50.57	49.55
	80	Total	238.8	230.8	222.9	214.3		27	69.93	67.58	65.27	62.75
		Sensible	153.2	149.9	146.7	143.3			44.86	43.89	42.96	41.96
62	75	Total	238.8	230.8	222.9	214.3	17	24	69.93	67.58	65.27	62.75
		Sensible	126.9	123.7	120.5	117.1			37.16	36.22	35.29	34.29
	85	Total	215.7	209.9	204.4	197.2		29	63.16	61.46	59.85	57.75
		Sensible	211.7	205.9	199.8	193.0			61.99	60.29	58.51	56.52
	80	Total	215.7	209.9	204.4	197.2		27	63.16	61.46	59.85	57.75
		Sensible	181.5	178.1	174.7	171.6			53.15	52.15	51.16	50.25
Evaporator @ 8,000 CFM												
72	90	Total	271.2	264.4	253.6	243.0	22	32	79.41	77.42	74.26	71.16
		Sensible	201.6	199.2	195.5	191.9			59.03	58.33	57.25	56.19
	85	Total	271.2	263.4	253.6	243.0		29	79.41	77.13	74.26	71.16
		Sensible	169.2	166.8	163.1	159.6			49.55	48.84	47.76	46.73
	80	Total	271.2	264.4	253.6	243.0		27	79.41	77.42	74.26	71.16
		Sensible	136.5	134.2	130.5	126.9			39.97	39.30	38.21	37.16
67	75	Total	271.2	264.4	253.6	243.0	19	24	79.41	77.42	74.26	71.16
		Sensible	103.4	101.1	97.4	93.9			30.28	29.60	28.52	27.50
	85	Total	250.0	241.0	234.3	223.8		29	73.21	70.57	68.61	65.53
		Sensible	204.9	201.4	196.4	193.5			60.00	58.98	57.51	56.66
	80	Total	250.0	241.0	234.3	223.8		27	73.21	70.57	68.61	65.53
		Sensible	172.2	168.8	166.3	162.3			50.42	49.43	48.70	47.53
62	75	Total	250.0	241.0	234.3	223.8	17	24	73.21	70.57	68.61	65.53
		Sensible	139.2	135.8	133.3	129.3			40.76	39.77	39.03	37.86
	85	Total	234.4	228.0	220.6	214.2		29	68.64	66.76	64.60	62.72
		Sensible	229.3	223.0	220.6	214.2			67.14	65.30	64.60	62.72
	80	Total	234.4	228.0	220.6	214.2		27	68.64	66.76	64.60	62.72
		Sensible	223.7	210.1	203.4	195.7			65.51	61.52	59.56	57.31
Evaporator @ 2830 L/S												
72	90	Total	260.1	252.6	243.3	233.7	22	32	76.16	73.97	71.24	68.43
		Sensible	176.5	173.8	170.4	166.9			51.68	50.89	49.90	48.87
	85	Total	260.0	252.6	243.3	233.7		29	76.13	73.97	71.24	68.43
		Sensible	150.7	148.0	144.6	141.2			44.13	43.34	42.34	41.35
	80	Total	260.1	252.6	243.3	233.7		27	76.16	73.97	71.24	68.43
		Sensible	150.7	122.0	118.6	115.2			44.13	35.72	34.73	33.73
67	75	Total	260.1	252.6	243.3	233.7	19	24	76.16	73.97	71.24	68.43
		Sensible	98.4	95.7	92.3	88.9			28.81	28.02	27.03	26.03
	85	Total	238.8	230.8	222.9	214.3		29	69.93	67.58	65.27	62.75
		Sensible	179.1	175.9	172.7	169.2			52.45	51.51	50.57	49.55
	80	Total	238.8	230.8	222.9	214.3		27	69.93	67.58	65.27	62.75
		Sensible	153.2	149.9	146.7	143.3			44.86	43.89	42.96	41.96
62	75	Total	238.8	230.8	222.9	214.3	17	24	69.93	67.58	65.27	62.75
		Sensible	126.9	123.7	120.5	117.1			37.16	36.22	35.29	34.29
	85	Total	215.7	209.9	204.4	197.2		29	63.16	61.46	59.85	57.75
		Sensible	211.7	205.9	199.8	193.0			61.99	60.29	58.51	56.52
	80	Total	215.7	209.9	204.4	197.2		27	63.16	61.46	59.85	57.75
		Sensible	181.5	178.1	174.7	171.6			53.15	52.15	51.16	50.25
Evaporator @ 8,000 CFM												
72	90	Total	271.2	264.4	253.6	243.0	22	32	79.41	77.42	74.26	71.16
		Sensible	201.6	199.2	195.5	191.9			59.03	58.33	57.25	56.19
	85	Total	271.2	263.4	253.6	243.0		29	79.41	77.13	74.26	71.16
		Sensible	169.2	166.8	163.1	159.6			49.55	48.84	47.76	46.73
	80	Total	271.2	264.4	253.6	243.0		27	79.41	77.42	74.26	71.16
		Sensible	136.5	134.2	130.5	126.9			39.97	39.30	38.21	37.16
67	75	Total	271.2	264.4	253.6	243.0	19	24	79.41	77.42	74.26	71.16
		Sensible	103.4	101.1	97.4	93.9			30.28	29.60	28.52	27.50
	85	Total	250.0	241.0	234.3	223.8		29	73.21	70.57	68.61	65.53
		Sensible	204.9	201.4	196.4	193.5			60.00	58.98	57.51	56.66
	80	Total	250.0	241.0	234.3	223.8		27	73.21	70.57	68.61	65.53
		Sensible	172.2	168.8	166.3	162.3			50.42	49.43	48.70	47.53
62	75	Total	250.0	241.0	234.3	223.8	17	24	73.21	70.57	68.61	65.53
		Sensible	139.2	135.8	133.3	129.3			40.76	39.77	39.03	37.86
	85	Total	234.4	228.0	220.6	214.2		29	68.64	66.76	64.60	62.72
		Sensible	229.3	223.0	220.6	214.2			67.14	65.30	64.60	62.72
	80	Total	234.4	228.0	220.6	214.2		27	68.64	66.76	64.60	62.72
		Sensible	223.7	210.1	203.4	195.7			65.51	61.52	59.56	57.31
Evaporator @ 2830 L/S												
72	90	Total	260.1	252.6	243.3	233.7	22	32	76.16	73.97	71.24	68.43
		Sensible	176.5	173.8	170.4	166.9			51.68	50.89	49.90	48.87
	85	Total	260.0	252.6	243.3	233.7		29	76.13	73.97	71.24	68.43
		Sensible	150.7	148.0	144.6	141.2			44.13	43.34	42.34	41.35
	80	Total	260.1	252.6	243.3	233.7		27	76.16	73.97	71.24	68.43
		Sensible	150.7	122.0	118.6	115.2			44.13	35.72	34.73	33.73
67	75	Total	260.1	252.6	243.3	233.7	19	24	76.16	73.97	71.24	68.43
		Sensible	98.4	95.7	92.3	88.9			28.81	28.02	27.03	26.03
	85	Total	238.8	230.8	222.9	214.3		29	69.93	67.58	65.27	62.75
		Sensible	179.1									

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 6,667 CFM				Temp Ent Evap - °C			Evaporator @ 3145 L/S				
WetBulb		DryBulb	Air Temp. Ent. Cond. - °F				WetBulb		DryBulb	Air Temp. Ent. Cond. - °C				
			85	95	105	115				29	35	40	46	
72	90	Total	234.2	227.8	219.8	210.6	22	32		68.58	66.71	64.36	61.67	
		Sensible	174.4	172.1	169.4	166.2				51.07	50.40	49.60	48.67	
	85	Total	234.2	227.8	219.8	210.6		29		68.58	66.71	64.36	61.67	
		Sensible	146.4	144.2	141.4	138.3				42.87	42.23	41.41	40.50	
	80	Total	234.2	227.8	219.8	210.6		27		68.58	66.71	64.36	61.67	
		Sensible	118.2	115.9	113.2	110.1				34.61	33.94	33.15	32.24	
67	75	Total	234.2	227.8	219.8	210.6	19	24		68.58	66.71	64.36	61.67	
		Sensible	89.6	87.4	84.7	81.5				26.24	25.59	24.80	23.87	
	85	Total	215.7	208.0	202.3	193.4		29		63.16	60.91	59.24	56.63	
		Sensible	177.2	174.2	172.0	169.8				51.89	51.01	50.37	49.72	
	80	Total	215.7	208.0	202.3	193.4		27		63.16	60.91	59.24	56.63	
		Sensible	149.0	146.0	143.8	140.4				43.63	42.75	42.11	41.11	
62	75	Total	215.7	208.0	202.3	193.4	17	24		63.16	60.91	59.24	56.63	
		Sensible	120.5	117.5	115.3	112.0				35.29	34.41	33.76	32.80	
	85	Total	202.2	196.5	190.6	185.6		29		59.21	57.54	55.81	54.35	
		Sensible	197.9	196.5	190.6	185.6				57.95	57.54	55.81	54.35	
	80	Total	202.2	196.5	190.6	185.6		27		59.21	57.54	55.81	54.35	
		Sensible	192.0	181.5	175.5	168.9				56.22	53.15	51.39	49.46	
Evaporator @ 5,000 CFM														
72	90	Total	223.6	217.4	210.2	202.0	22	32		65.48	63.66	61.55	59.15	
		Sensible	152.2	149.9	147.2	144.2				44.57	43.89	43.10	42.23	
	85	Total	223.6	217.4	210.2	202.0		29		65.48	63.66	61.55	59.15	
		Sensible	130.0	127.7	125.0	122.1				38.07	37.39	36.60	35.75	
	80	Total	223.6	217.4	210.2	202.0		27		65.48	63.66	61.55	59.15	
		Sensible	130.0	105.3	102.7	99.7				38.07	30.83	30.07	29.19	
67	75	Total	223.6	217.4	210.2	202.0	19	24		65.48	63.66	61.55	59.15	
		Sensible	84.9	82.7	80.1	77.1				24.86	24.22	23.46	22.58	
	85	Total	205.4	198.5	191.3	185.2		29		60.15	58.13	56.02	54.23	
		Sensible	154.5	151.6	148.7	146.2				45.24	44.39	43.54	42.81	
	80	Total	205.4	198.5	191.3	185.2		27		60.15	58.13	56.02	54.23	
		Sensible	132.1	129.3	126.4	123.9				38.68	37.86	37.01	36.28	
62	75	Total	205.4	198.5	191.3	185.2	17	24		60.15	58.13	56.02	54.23	
		Sensible	109.5	106.7	103.8	101.3				32.06	31.24	30.40	29.66	
	85	Total	188.3	182.1	176.2	169.1		29		55.14	53.32	51.60	49.52	
		Sensible	181.7	177.0	171.8	165.9				53.21	51.83	50.31	48.58	
	80	Total	188.3	182.1	176.2	169.1		27		55.14	53.32	51.60	49.52	
		Sensible	156.3	153.4	150.8	147.6				45.77	44.92	44.16	43.22	
Evaporator @ 2358 L/S														
72	90	Total	223.6	217.4	210.2	202.0	22	32		65.48	63.66	61.55	59.15	
		Sensible	152.2	149.9	147.2	144.2				44.57	43.89	43.10	42.23	
	85	Total	223.6	217.4	210.2	202.0		29		65.48	63.66	61.55	59.15	
		Sensible	130.0	127.7	125.0	122.1				38.07	37.39	36.60	35.75	
	80	Total	223.6	217.4	210.2	202.0		27		65.48	63.66	61.55	59.15	
		Sensible	130.0	105.3	102.7	99.7				38.07	30.83	30.07	29.19	
67	75	Total	223.6	217.4	210.2	202.0	19	24		65.48	63.66	61.55	59.15	
		Sensible	84.9	82.7	80.1	77.1				24.86	24.22	23.46	22.58	
	85	Total	205.4	198.5	191.3	185.2		29		60.15	58.13	56.02	54.23	
		Sensible	154.5	151.6	148.7	146.2				45.24	44.39	43.54	42.81	
	80	Total	205.4	198.5	191.3	185.2		27		60.15	58.13	56.02	54.23	
		Sensible	132.1	129.3	126.4	123.9				38.68	37.86	37.01	36.28	
62	75	Total	205.4	198.5	191.3	185.2	17	24		60.15	58.13	56.02	54.23	
		Sensible	109.5	106.7	103.8	101.3				32.06	31.24	30.40	29.66	
	85	Total	188.3	182.1	176.2	169.1		29		55.14	53.32	51.60	49.52	
		Sensible	181.7	177.0	171.8	165.9				53.21	51.83	50.31	48.58	
	80	Total	188.3	182.1	176.2	169.1		27		55.14	53.32	51.60	49.52	
		Sensible	156.3	153.4	150.8	147.6				45.77	44.92	44.16	43.22	
Evaporator @ 3145 L/S														
72	90	Total	234.2	227.8	219.8	210.6	22	32		68.58	66.71	64.36	61.67	
		Sensible	174.4	172.1	169.4	166.2				51.07	50.40	49.60	48.67	
	85	Total	234.2	227.8	219.8	210.6		29		68.58	66.71	64.36	61.67	
		Sensible	146.4	144.2	141.4	138.3				42.87	42.23	41.41	40.50	
	80	Total	234.2	227.8	219.8	210.6		27		68.58	66.71	64.36	61.67	
		Sensible	118.2	115.9	113.2	110.1				34.61	33.94	33.15	32.24	
67	75	Total	234.2	227.8	219.8	210.6	19	24		68.58	66.71	64.36	61.67	
		Sensible	89.6	87.4	84.7	81.5				26.24	25.59	24.80	23.87	
	85	Total	215.7	208.0	202.3	193.4		29		63.16	60.91	59.24	56.63	
		Sensible	177.2	174.2	172.0	169.8				51.89	51.01	50.37	49.72	
	80	Total	215.7	208.0	202.3	193.4		27		63.16	60.91	59.24	56.63	
		Sensible	149.0	146.0	143.8	140.4				43.63	42.75	42.11	41.11	
62	75	Total	215.7	208.0	202.3	193.4	17	24		63.16	60.91	59.24	56.63	
		Sensible	120.5	117.5	115.3	112.0				35.29	34.41	33.76	32.80	
	85	Total	202.2	196.5	190.6	185.6		29		59.21	57.54	55.81	54.35	
		Sensible	197.9	196.5	190.6	185.6				57.95	57.54	55.81	54.35	
	80	Total	202.2	196.5	190.6	185.6		27		59.21	57.54	55.81	54.35	
		Sensible	192.0	181.5	175.5	168.9				56.22	53.15	51.39	49.46	
Evaporator @ 6,667 CFM														
72	90	Total	234.2	227.8	219.8	210.6	22	32		68.58	66.71	64.36	61.67	
		Sensible	174.4	172.1	169.4	166.2				51.07	50.40	49.60	48.67	
	85	Total	234.2	227.8	219.8	210.6		29		68.58	66.71	64.36	61.67	
		Sensible	146.4	144.2	141.4	138.3				42.87	42.23	41.41	40.50	
	80	Total	234.2	227.8	219.8	210.6		27		68.58	66.71	64.36	61.67	
		Sensible	118.2	115.9	113.2	110.1				34.61	33.94	33.15	32.24	
67	75	Total	234.2	227.8	219.8	210.6	19	24		68.58	66.71	64.36	61.67	
		Sensible	89.6	87.4	84.7	81.5				26.24	25.59	24.80	23.87	
	85	Total	215.7	208.0	202.3	193.4		29		63.16	60.91	59.24	56.63	
		Sensible	177.2	174.2	172.0	169.8				51.89	51.01	50.37	49.72	
	80	Total	215.7	208.0	202.3	193.4		27		63.16	60.91	59.24	56.63	
		Sensible	149.0	146.0	143.8	140.4				43.63	42.75	42.11	41.11	
62	75	Total	215.7	208.0	202.3	193.4	17	24		63.16	60.91	59.24	56.63	
		Sensible	120.5	117.5	115.3	112.0				35.29	34.41	33.76	32.80	
	85	Total	202.2	196.5	190.6	185.6		29		59.21	57.54	55.81	54.35	
		Sensible	197.9	196.5	190.6	185.6				57.95	57.54	55.81	54.35	
	80	Total	202.2	196.5	190.6	185.6		27		59.21	57.54	55.81	54.35	
		Sensible	192.0	181.5	175.5	168.9				56.22	53.15	51.39	49.46	
Evaporator @ 3145 L/S														
72	90	Total	234.2	227.8	219.8	210.6	22	32		68.58	66.71	64.36	61.67	
		Sensible	174.4	172.1	169.4	166.2				51.07	50.40	49.60	48.67	
	85	Total	234.2	227.8	219.8	210.6		29		68.58	66.71	64.36	61.67	
		Sensible	146.4	144.2	141.4	138.3				42.87	42.23	41.41	40.50	
	80	Total	234.2	227.8	219.8	210.6		27		68.58	66.71	64.36	61.67	
		Sensible	118.2	115.9	113.2	110.1				34.61	33.94	33.15	32.24	
67	75	Total	234.2	227.8	219.8	210.6	19	24		68.58	66.71	64.36	61.67	
		Sensible	89.6	87.4	84.7	81.5				26.24	25.59	24.80	23.87	
	85	Total	215.7	208.0	202.3	193.4		29		63.16	60.91	59.24	56.63	
		Sensible	177.2	174.2	172.0	169.8				51.89	51.01	50.37	49.72	
	80	Total	215.7	208.0	202.3	193.4		27		63.16	60.91	59.24	56.63	
		Sensible	149.0	146.0	143.8	140.4				43.63	42.75	42.11	41.11	
62	75	Total	215.7	208.0	202.3	193.4	17	24		63.16	60.91	59.24	56.63	
		Sensible	120.5	117.5	115.3	112.0				35.29	34.41	33.76	32.80	
	85	Total	202.2	196.5	190.6	185.6		29		59.21	57.54	55.81	54.35	
		Sensible	197.9	196.5	190.6	185.6				57.95	57.54	55.81	54.35	
	80	Total	202.2	196.5	190.6	185.6		27		59.21	57.54	55.81	54.35	
		Sensible	192.0	181.5	175.5	168.9				56.22	53.15	51.39	49.46	

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 8,800 CFM				Temp Ent Evap - °C			Evaporator @ 4150 L/S							
WetBulb DryBulb			Air Temp. Ent. Cond.-°F				WetBulb DryBulb			Air Temp. Ent. Cond.-°C							
			85	95	105	115				29	35	40	46				
72	90	Total	303.6	294.1	281.9	269.7	22	32		88.90	86.12	82.55	78.98				
		Sensible	221.2	217.8	213.7	209.5				64.77	63.78	62.58	61.35				
	85	Total	303.6	294.1	281.9	269.7		29		88.90	86.12	82.55	78.98				
		Sensible	186.2	182.9	178.7	174.6				54.52	53.56	52.33	51.13				
	80	Total	303.6	294.1	281.9	269.7		27		88.90	86.12	82.55	78.98				
		Sensible	150.9	147.6	143.5	139.3				44.19	43.22	42.02	40.79				
67	75	Total	303.6	294.1	281.9	269.7	19	24		88.90	86.12	82.55	78.98				
		Sensible	115.2	111.9	107.8	103.7				33.73	32.77	31.57	30.37				
	85	Total	280.0	270.3	260.4	248.5		29		81.99	79.15	76.25	72.77				
		Sensible	224.8	221.1	215.3	210.1				65.83	64.74	63.59	62.31				
	80	Total	280.0	270.3	260.4	248.5		27		81.99	79.15	76.25	72.77				
		Sensible	189.6	185.8	182.2	177.6				55.52	54.41	53.35	52.01				
62	75	Total	280.0	270.3	260.4	248.5	17	24		81.99	79.15	76.25	72.77				
		Sensible	154.0	150.2	146.6	142.1				45.10	43.98	42.93	41.61				
	85	Total	260.2	253.0	244.9	236.4		29		76.19	74.08	71.71	69.22				
		Sensible	254.6	247.4	239.3	236.4				74.55	72.45	70.07	69.22				
	80	Total	260.2	253.0	244.9	236.4		27		76.19	74.08	71.71	69.22				
		Sensible	248.5	240.7	225.7	217.4				72.77	70.48	66.09	63.66				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				
		Sensible	174.6	171.4	167.4	163.1				51.13	50.19	49.02	47.76				
	80	Total	296.8	287.7	276.6	264.3		27		86.91	84.25	81.00	77.39				
		Sensible	174.6	140.3	136.4	132.0				51.13	41.08	39.94	38.65				
67	75	Total	296.8	287.7	276.6	264.3	19	24		86.91	84.25	81.00	77.39				
		Sensible	112.0	108.8	104.9	100.6				32.80	31.86	30.72	29.46				
	85	Total	273.4	263.9	254.4	243.2		29		80.06	77.28	74.49	71.22				
		Sensible	208.9	205.0	201.3	196.9				61.17	60.03	58.95	57.66				
	80	Total	273.4	263.9	254.4	243.2		27		80.06	77.28	74.49	71.22				
		Sensible	177.8	174.0	170.3	164.3				52.06	50.95	49.87	48.11				
62	75	Total	273.4	263.9	254.4	243.2	17	24		80.06	77.28	74.49	71.22				
		Sensible	146.4	142.6	138.9	133.0				42.87	41.76	40.67	38.95				
	85	Total	251.6	242.1	234.7	223.7		29		73.67	70.89	68.73	65.51				
		Sensible	244.3	237.2	229.9	218.9				71.54	69.46	67.32	64.10				
	80	Total	251.6	242.1	234.7	223.7		27		73.67	70.89	68.73	65.51				
		Sensible	211.8	207.8	228.3	211.1				62.02	60.85	66.85	61.82				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				
		Sensible	174.6	171.4	167.4	163.1				51.13	50.19	49.02	47.76				
	80	Total	296.8	287.7	276.6	264.3		27		86.91	84.25	81.00	77.39				
		Sensible	174.6	140.3	136.4	132.0				51.13	41.08	39.94	38.65				
67	75	Total	296.8	287.7	276.6	264.3	19	24		86.91	84.25	81.00	77.39				
		Sensible	112.0	108.8	104.9	100.6				32.80	31.86	30.72	29.46				
	85	Total	273.4	263.9	254.4	243.2		29		80.06	77.28	74.49	71.22				
		Sensible	208.9	205.0	201.3	196.9				61.17	60.03	58.95	57.66				
	80	Total	273.4	263.9	254.4	243.2		27		80.06	77.28	74.49	71.22				
		Sensible	177.8	174.0	170.3	164.3				52.06	50.95	49.87	48.11				
62	75	Total	273.4	263.9	254.4	243.2	17	24		80.06	77.28	74.49	71.22				
		Sensible	146.4	142.6	138.9	133.0				42.87	41.76	40.67	38.95				
	85	Total	251.6	242.1	234.7	223.7		29		73.67	70.89	68.73	65.51				
		Sensible	244.3	237.2	229.9	218.9				71.54	69.46	67.32	64.10				
	80	Total	251.6	242.1	234.7	223.7		27		73.67	70.89	68.73	65.51				
		Sensible	211.8	207.8	228.3	211.1				62.02	60.85	66.85	61.82				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				
		Sensible	174.6	171.4	167.4	163.1				51.13	50.19	49.02	47.76				
	80	Total	296.8	287.7	276.6	264.3		27		86.91	84.25	81.00	77.39				
		Sensible	174.6	140.3	136.4	132.0				51.13	41.08	39.94	38.65				
67	75	Total	296.8	287.7	276.6	264.3	19	24		86.91	84.25	81.00	77.39				
		Sensible	112.0	108.8	104.9	100.6				32.80	31.86	30.72	29.46				
	85	Total	273.4	263.9	254.4	243.2		29		80.06	77.28	74.49	71.22				
		Sensible	208.9	205.0	201.3	196.9				61.17	60.03	58.95	57.66				
	80	Total	273.4	263.9	254.4	243.2		27		80.06	77.28	74.49	71.22				
		Sensible	177.8	174.0	170.3	164.3				52.06	50.95	49.87	48.11				
62	75	Total	273.4	263.9	254.4	243.2	17	24		80.06	77.28	74.49	71.22				
		Sensible	146.4	142.6	138.9	133.0				42.87	41.76	40.67	38.95				
	85	Total	251.6	242.1	234.7	223.7		29		73.67	70.89	68.73	65.51				
		Sensible	244.3	237.2	229.9	218.9				71.54	69.46	67.32	64.10				
	80	Total	251.6	242.1	234.7	223.7		27		73.67	70.89	68.73	65.51				
		Sensible	211.8	207.8	228.3	211.1				62.02	60.85	66.85	61.82				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				
		Sensible	174.6	171.4	167.4	163.1				51.13	50.19	49.02	47.76				
	80	Total	296.8	287.7	276.6	264.3		27		86.91	84.25	81.00	77.39				
		Sensible	174.6	140.3	136.4	132.0				51.13	41.08	39.94	38.65				
67	75	Total	296.8	287.7	276.6	264.3	19	24		86.91	84.25	81.00	77.39				
		Sensible	112.0	108.8	104.9	100.6				32.80	31.86	30.72	29.46				
	85	Total	273.4	263.9	254.4	243.2		29		80.06	77.28	74.49	71.22				
		Sensible	208.9	205.0	201.3	196.9				61.17	60.03	58.95	57.66				
	80	Total	273.4	263.9	254.4	243.2		27		80.06	77.28	74.49	71.22				
		Sensible	177.8	174.0	170.3	164.3				52.06	50.95	49.87	48.11				
62	75	Total	273.4	263.9	254.4	243.2	17	24		80.06	77.28	74.49	71.22				
		Sensible	146.4	142.6	138.9	133.0				42.87	41.76	40.67	38.95				
	85	Total	251.6	242.1	234.7	223.7		29		73.67	70.89	68.73	65.51				
		Sensible	244.3	237.2	229.9	218.9				71.54	69.46	67.32	64.10				
	80	Total	251.6	242.1	234.7	223.7		27		73.67	70.89	68.73	65.51				
		Sensible	211.8	207.8	228.3	211.1				62.02	60.85	66.85	61.82				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				
		Sensible	174.6	171.4	167.4	163.1				51.13	50.19	49.02	47.76				
	80	Total	296.8	287.7	276.6	264.3		27		86.91	84.25	81.00	77.39				
		Sensible	174.6	140.3	136.4	132.0				51.13	41.08	39.94	38.65				
67	75	Total	296.8	287.7	276.6	264.3	19	24		86.91	84.25	81.00	77.39				
		Sensible	112.0	108.8	104.9	100.6				32.80	31.86	30.72	29.46				
	85	Total	273.4	263.9	254.4	243.2		29		80.06	77.28	74.49	71.22				
		Sensible	208.9	205.0	201.3	196.9				61.17	60.03	58.95	57.66				
	80	Total	273.4	263.9	254.4	243.2		27		80.06	77.28	74.49	71.22				
		Sensible	177.8	174.0	170.3	164.3				52.06	50.95	49.87	48.11				
62	75	Total	273.4	263.9	254.4	243.2	17	24		80.06	77.28	74.49	71.22				
		Sensible	146.4	142.6	138.9	133.0				42.87	41.76	40.67	38.95				
	85	Total	251.6	242.1	234.7	223.7		29		73.67	70.89	68.73	65.51				
		Sensible	244.3	237.2	229.9	218.9				71.54	69.46	67.32	64.10				
	80	Total	251.6	242.1	234.7	223.7		27		73.67	70.89	68.73	65.51				
		Sensible	211.8	207.8	228.3	211.1				62.02	60.85	66.85	61.82				
Evaporator @ 7,500 CFM														Evaporator @ 3538 L/S			
72	90	Total	296.8	287.7	276.6	264.3	22	32		86.91	84.25	81.00	77.39				
		Sensible	205.4	202.2	198.2	193.9				60.15	59.21	58.04	56.78				
	85	Total	296.8	287.7	276.6	264.3		29		86.91	84.25	81.00	77.39				

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 7,333 CFM				Temp Ent Evap - °C			Evaporator @ 3459 L/S			
WetBulb	DryBulb		Air Temp. Ent. Cond. - °F				WetBulb	DryBulb		Air Temp. Ent. Cond. - °C			
			85	95	105	115				29	35	40	46
72	90	Total	262.5	255.2	245.1	234.9	22	32		76.87	74.73	71.77	68.78
		Sensible	191.5	188.9	185.4	181.9				56.08	55.31	54.29	53.27
	85	Total	262.5	255.2	245.1	234.9		29		76.87	74.73	71.77	68.78
		Sensible	161.3	158.7	155.2	151.7				47.23	46.47	45.45	44.42
	80	Total	262.5	255.2	245.1	234.9		27		76.87	74.73	71.77	68.78
		Sensible	130.8	128.2	124.8	121.3				38.30	37.54	36.54	35.52
67	75	Total	262.5	255.2	245.1	234.9	19	24		76.87	74.73	71.77	68.78
		Sensible	99.9	97.4	93.9	90.4				29.25	28.52	27.50	26.47
	85	Total	241.2	232.8	226.3	215.9		29		70.63	68.17	66.27	63.22
		Sensible	194.4	191.1	188.6	186.6				56.93	55.96	55.23	54.64
	80	Total	241.2	232.8	226.3	215.9		27		70.63	68.17	66.27	63.22
		Sensible	163.9	160.7	158.1	154.2				47.99	47.06	46.30	45.15
62	75	Total	241.2	232.8	226.3	215.9	17	24		70.63	68.17	66.27	63.22
		Sensible	133.1	129.9	127.4	123.4				38.98	38.04	37.31	36.13
	85	Total	224.7	218.5	211.8	204.2		29		65.80	63.98	62.02	59.80
		Sensible	220.0	213.9	211.8	204.2				64.42	62.64	62.02	59.80
	80	Total	224.7	218.5	211.8	204.2		27		65.80	63.98	62.02	59.80
		Sensible	214.3	207.3	195.2	188.0				62.75	60.70	57.16	55.05
72	75	Total	224.7	218.5	211.8	204.2	22	24		65.80	63.98	62.02	59.80
		Sensible	166.3	162.9	159.6	156.3				48.70	47.70	46.73	45.77
	85	Total	255.9	248.4	239.5	229.8		32		74.93	72.74	70.13	67.29
		Sensible	177.6	174.9	171.7	168.3				52.01	51.22	50.28	49.28
	80	Total	255.9	248.4	239.5	229.8		29		74.93	72.74	70.13	67.29
		Sensible	151.0	148.3	145.1	141.7				44.22	43.43	42.49	41.49
67	75	Total	255.9	248.4	239.5	229.8	19	27		74.93	72.74	70.13	67.29
		Sensible	151.0	121.4	118.3	114.9				44.22	35.55	34.64	33.65
	85	Total	255.9	248.4	239.5	229.8		24		74.93	72.74	70.13	67.29
		Sensible	97.0	94.3	91.1	87.7				28.40	27.61	26.68	25.68
	80	Total	235.3	227.1	219.2	210.5		29		68.90	66.50	64.19	61.64
		Sensible	180.4	177.1	173.9	170.5				52.83	51.86	50.92	49.93
62	75	Total	235.3	227.1	219.2	210.5	17	27		68.90	66.50	64.19	61.64
		Sensible	153.6	150.3	147.1	143.8				44.98	44.01	43.07	42.11
	85	Total	235.3	227.1	219.2	210.5		24		68.90	66.50	64.19	61.64
		Sensible	126.4	123.2	120.1	116.7				37.01	36.08	35.17	34.17
	80	Total	214.6	208.8	202.2	195.4		29		62.84	61.14	59.21	57.22
		Sensible	210.5	204.7	198.2	191.4				61.64	59.94	58.04	56.05
72	75	Total	214.6	208.8	202.2	195.4	22	27		62.84	61.14	59.21	57.22
		Sensible	182.7	179.4	195.7	186.0				53.50	52.53	57.31	54.47
	85	Total	214.6	208.8	202.2	195.4		24		62.84	61.14	59.21	57.22
		Sensible	155.7	152.4	149.0	145.6				45.59	44.63	43.63	42.64
	80	Total	214.6	208.8	202.2	195.4		29		62.84	61.14	59.21	57.22
		Sensible	155.7	152.4	149.0	145.6				45.59	44.63	43.63	42.64

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 12,000 CFM Air Temp. Ent. Cond.-°F				Temp Ent Evap-°C WetBulb DryBulb			Evaporator @ 5660 L/S Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	419.9	409.3	393.4	377.6	22	32	122.96	119.85	115.20	110.57			
		Sensible	306.7	302.9	297.5	292.0			89.81	88.70	87.12	85.51			
	85	Total	419.9	409.3	393.4	377.6		29	122.96	119.85	115.20	110.57			
		Sensible	257.9	254.4	249.0	243.6			75.52	74.49	72.91	71.33			
	80	Total	419.9	409.3	393.4	377.6		27	122.96	119.85	115.20	110.57			
		Sensible	209.1	205.5	200.0	194.7			61.23	60.18	58.57	57.01			
	75	Total	419.9	409.3	393.4	377.6		24	122.96	119.85	115.20	110.57			
		Sensible	159.6	155.9	150.5	145.2			46.73	45.65	44.07	42.52			
67	85	Total	386.9	373.3	362.0	347.0	19	29	113.29	109.31	106.00	101.61			
		Sensible	311.7	306.4	302.0	298.5			91.27	89.72	88.43	87.41			
	80	Total	386.9	373.3	362.0	347.0		27	113.29	109.31	106.00	101.61			
		Sensible	262.8	257.5	253.2	247.5			76.95	75.40	74.14	72.47			
	75	Total	386.9	373.3	362.0	347.0		24	113.29	109.31	106.00	101.61			
		Sensible	213.3	208.1	203.8	198.1			62.46	60.94	59.68	58.01			
62	85	Total	360.6	350.7	340.1	329.6	17	29	105.59	102.69	99.59	96.52			
		Sensible	352.9	343.1	340.1	329.6			103.34	100.47	99.59	96.52			
	80	Total	360.6	350.7	340.1	329.6		27	105.59	102.69	99.59	96.52			
		Sensible	343.9	329.1	313.0	302.2			100.70	96.37	91.65	88.49			
	75	Total	360.6	350.7	340.1	329.6		24	105.59	102.69	99.59	96.52			
		Sensible	266.5	260.7	255.7	250.9			78.04	76.34	74.88	73.47			
Evaporator @ 9,000 CFM												Evaporator @ 4245 L/S			
72	90	Total	401.5	388.9	378.1	362.3	22	32	117.57	113.88	110.72	106.09			
		Sensible	268.5	263.8	259.8	254.1			78.62	77.25	76.08	74.41			
	85	Total	401.5	388.9	378.1	362.3		29	117.57	113.88	110.72	106.09			
		Sensible	229.9	225.3	221.3	215.6			67.32	65.97	64.80	63.13			
	80	Total	401.5	388.9	378.1	362.3		27	117.57	113.88	110.72	106.09			
		Sensible	229.9	186.4	182.5	176.8			67.32	54.58	53.44	51.77			
	75	Total	401.5	388.9	378.1	362.3		24	117.57	113.88	110.72	106.09			
		Sensible	151.7	147.1	143.1	137.5			44.42	43.07	41.90	40.26			
67	85	Total	367.9	356.2	343.9	331.9	19	29	107.73	104.30	100.70	97.19			
		Sensible	272.2	267.4	262.4	257.6			79.71	78.30	76.84	75.43			
	80	Total	367.9	356.2	343.9	331.9		27	107.73	104.30	100.70	97.19			
		Sensible	233.4	228.6	223.6	218.8			68.35	66.94	65.48	64.07			
	75	Total	367.9	356.2	343.9	331.9		24	107.73	104.30	100.70	97.19			
		Sensible	194.1	189.3	184.4	179.6			56.84	55.43	54.00	52.59			
62	85	Total	339.0	326.6	314.8	304.7	17	29	99.27	95.64	92.18	89.22			
		Sensible	325.0	316.1	306.7	296.6			95.17	92.56	89.81	86.85			
	80	Total	339.0	326.6	314.8	304.7		27	99.27	95.64	92.18	89.22			
		Sensible	276.2	270.6	265.3	260.8			80.88	79.24	77.69	76.37			
	75	Total	339.0	326.6	314.8	304.7		24	99.27	95.64	92.18	89.22			
		Sensible	237.0	231.4	225.9	221.0			69.40	67.76	66.15	64.71			

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 10,000 CFM				Temp Ent Evap - °C			Evaporator @ 755 L/S			
WetBulb		DryBulb	Air Temp. Ent. Cond. °F				WetBulb		DryBulb	Air Temp. Ent. Cond. °C			
			85	95	105	115				29	35	40	46
72	90	Total	360.8	351.3	339.7	326.0	22	32		105.65	102.87	99.47	95.46
		Sensible	264.5	261.2	257.1	252.4				77.45	76.49	75.29	73.91
	85	Total	360.8	351.3	339.7	325.9		29		105.65	102.87	99.47	95.43
		Sensible	222.6	219.3	215.3	210.6				65.18	64.22	63.05	61.67
	80	Total	360.8	351.3	339.7	326.0		27		105.65	102.87	99.47	95.46
		Sensible	180.4	177.1	173.0	168.4				52.83	51.86	50.66	49.31
67	75	Total	360.8	351.3	339.7	326.0	19	24		105.65	102.87	99.47	95.46
		Sensible	137.6	134.3	130.3	125.7				40.29	39.33	38.16	36.81
	85	Total	332.1	320.5	310.6	298.3		29		97.25	93.85	90.95	87.35
		Sensible	268.7	264.2	260.3	255.6				78.68	77.36	76.22	74.85
	80	Total	332.1	320.5	310.6	298.3		27		97.25	93.85	90.95	87.35
		Sensible	226.5	222.0	218.2	213.5				66.33	65.01	63.89	62.52
62	75	Total	332.1	320.5	310.6	298.3	17	24		97.25	93.85	90.95	87.35
		Sensible	183.8	179.4	175.6	170.9				53.82	52.53	51.42	50.04
	85	Total	310.1	301.1	291.9	282.8		29		90.81	88.17	85.48	82.81
		Sensible	303.7	301.1	291.9	282.8				88.93	88.17	85.48	82.81
	80	Total	310.1	301.1	291.9	282.8		27		90.81	88.17	85.48	82.81
		Sensible	294.8	282.8	269.3	259.4				86.33	82.81	78.86	75.96
Evaporator @ 7,500 CFM													
72	90	Total	344.1	333.7	324.0	311.7	22	32		100.76	97.72	94.88	91.27
		Sensible	230.9	227.0	223.4	218.9				67.61	66.47	65.42	64.10
	85	Total	344.1	333.7	324.0	311.7		29		100.76	97.72	94.88	91.27
		Sensible	197.7	193.9	190.3	185.8				57.89	56.78	55.72	54.41
	80	Total	344.1	333.7	324.0	311.7		27		100.76	97.72	94.88	91.27
		Sensible	197.7	160.5	156.9	152.4				57.89	47.00	45.94	44.63
67	75	Total	344.1	333.7	324.0	311.7	19	24		100.76	97.72	94.88	91.27
		Sensible	130.5	126.7	123.1	118.7				38.21	37.10	36.05	34.76
	85	Total	314.9	305.1	294.2	284.3		29		92.21	89.34	86.15	83.25
		Sensible	233.9	229.9	225.4	221.3				68.49	67.32	66.00	64.80
	80	Total	314.9	305.1	294.2	284.3		27		92.21	89.34	86.15	83.25
		Sensible	200.5	196.5	192.0	188.0				58.71	57.54	56.22	55.05
62	75	Total	314.9	305.1	294.2	284.3	17	24		92.21	89.34	86.15	83.25
		Sensible	166.8	162.7	158.3	154.3				48.84	47.64	46.35	45.18
	85	Total	288.6	279.6	270.6	259.2		29		84.51	81.87	79.24	75.90
		Sensible	278.1	270.7	262.6	253.4				81.43	79.27	76.90	74.20
	80	Total	288.6	279.6	270.6	259.2		27		84.51	81.87	79.24	75.90
		Sensible	236.7	232.5	228.4	223.3				69.31	68.08	66.88	65.39
Evaporator @ 566 L/S													
72	90	Total	344.1	333.7	324.0	311.7	22	32		100.76	97.72	94.88	91.27
		Sensible	230.9	227.0	223.4	218.9				67.61	66.47	65.42	64.10
	85	Total	344.1	333.7	324.0	311.7		29		100.76	97.72	94.88	91.27
		Sensible	197.7	193.9	190.3	185.8				57.89	56.78	55.72	54.41
	80	Total	344.1	333.7	324.0	311.7		27		100.76	97.72	94.88	91.27
		Sensible	197.7	160.5	156.9	152.4				57.89	47.00	45.94	44.63
67	75	Total	344.1	333.7	324.0	311.7	19	24		100.76	97.72	94.88	91.27
		Sensible	130.5	126.7	123.1	118.7				38.21	37.10	36.05	34.76
	85	Total	314.9	305.1	294.2	284.3		29		92.21	89.34	86.15	83.25
		Sensible	233.9	229.9	225.4	221.3				68.49	67.32	66.00	64.80
	80	Total	314.9	305.1	294.2	284.3		27		92.21	89.34	86.15	83.25
		Sensible	200.5	196.5	192.0	188.0				58.71	57.54	56.22	55.05
62	75	Total	314.9	305.1	294.2	284.3	17	24		92.21	89.34	86.15	83.25
		Sensible	166.8	162.7	158.3	154.3				48.84	47.64	46.35	45.18
	85	Total	288.6	279.6	270.6	259.2		29		84.51	81.87	79.24	75.90
		Sensible	278.1	270.7	262.6	253.4				81.43	79.27	76.90	74.20
	80	Total	288.6	279.6	270.6	259.2		27		84.51	81.87	79.24	75.90
		Sensible	236.7	232.5	228.4	223.3				69.31	68.08	66.88	65.39
Metric - KW													
72	90	Total	360.8	351.3	339.7	326.0	22	32		105.65	102.87	99.47	95.46
		Sensible	264.5	261.2	257.1	252.4				77.45	76.49	75.29	73.91
	85	Total	360.8	351.3	339.7	325.9		29		105.65	102.87	99.47	95.43
		Sensible	222.6	219.3	215.3	210.6				65.18	64.22	63.05	61.67
	80	Total	360.8	351.3	339.7	326.0		27		105.65	102.87	99.47	95.46
		Sensible	180.4	177.1	173.0	168.4				52.83	51.86	50.66	49.31
67	75	Total	360.8	351.3	339.7	326.0	19	24		105.65	102.87	99.47	95.46
		Sensible	137.6	134.3	130.3	125.7				40.29	39.33	38.16	36.81
	85	Total	332.1	320.5	310.6	298.3		29		97.25	93.85	90.95	87.35
		Sensible	268.7	264.2	260.3	255.6				78.68	77.36	76.22	74.85
	80	Total	332.1	320.5	310.6	298.3		27		97.25	93.85	90.95	87.35
		Sensible	226.5	222.0	218.2	213.5				66.33	65.01	63.89	62.52
62	75	Total	332.1	320.5	310.6	298.3	17	24		97.25	93.85	90.95	87.35
		Sensible	183.8	179.4	175.6	170.9				53.82	52.53	51.42	50.04
	85	Total	310.1	301.1	291.9	282.8		29		90.81	88.17	85.48	82.81
		Sensible	303.7	301.1	291.9	282.8				88.93	88.17	85.48	82.81
	80	Total	310.1	301.1	291.9	282.8		27		90.81	88.17	85.48	82.81
		Sensible	294.8	282.8	269.3	259.4				86.33	82.81	78.86	75.96
Metric - KW													
72	90	Total	344.1	333.7	324.0	311.7	22	32		100.76	97.72	94.88	91.27
		Sensible	230.9	227.0	223.4	218.9				67.61	66.47	65.42	64.10
	85	Total	344.1	333.7	324.0	311.7		29		100.76	97.72	94.88	91.27
		Sensible	197.7	193.9	190.3	185.8				57.89	56.78	55.72	54.41
	80	Total	344.1	333.7	324.0	311.7		27		100.76	97.72	94.88	91.27
		Sensible	197.7	160.5	156.9	152.4				57.89	47.00	45.94	44.63
67	75	Total	344.1	333.7	324.0	311.7	19	24		100.76	97.72	94.88	91.27
		Sensible	130.5	126.7	123.1	118.7				38.21	37.10	36.05	34.76
	85	Total	314.9	305.1	294.2	284.3		29		92.21	89.34	86.15	83.25
		Sensible	233.9	229.9	225.4	221.3				68.49	67.32	66.00	64.80
	80	Total	314.9	305.1	294.2	284.3		27		92.21	89.34	86.15	83.25
		Sensible	200.5	196.5	192.0	188.0				58.71	57.54	56.22	55.05
62	75	Total	314.9	305.1	294.2	284.3	17	24		92.21	89.34	86.15	83.25
		Sensible	166.8	162.7	158.3	154.3				48.84	47.64	46.35	45.18
	85	Total	288.6	279.6	270.6	259.2		29		84.51	81.87	79.24	75.90
		Sensible	278.1	270.7	262.6	253.4				81.43	79.27	76.90	74.20
	80	Total	288.6	279.6	270.6	259.2		27		84.51	81.87	79.24	75.90
		Sensible	236.7	232.5	228.4	223.3				69.31	68.08	66.88	65.39
Metric - KW													
72	90	Total	344.1	333.7	324.0	311.7	22	32		100.76	97.72	94.88	91.27
		Sensible	230.9	227.0	223.4	218.9				67.61	66.47	65.42	64.10
	85	Total	344.1	333.7	324.0	311.7		29		100.76	97.72	94.88	91.27
		Sensible	197.7	193.9	190.3	185.8				57.89	56.78	55.72	54.41
	80	Total	344.1	333.7	324.0	311.7		27		100.76	97.72	94.88	91.27
		Sensible	197.7	160.5	156.9	152.4				57.89	47.00	45.94	44.63
67	75	Total	344.1	333.7	324.0	311.7	19	24		100.76	97.72	94.88	91.27
		Sensible	130.5	126.7	123.1	118.7				38.21	37.10	36.05	34.76
	85	Total	314.9	305.1	294.2	284.3		29		92.21	89.34	86.15	83.25
		Sensible	233.9	229.9	225.4	221.3				68.49	67.32	66.00	64.80
	80	Total	314.9	305.1	294.2	284.3		27		92.21	89.34	86.15	83.25
		Sensible	200.5	196.5	192.0	188.0				58.71	57.54	56.22	55.05
62	75	Total	314.9	305.1	294.2	284.3	17	24		92.21	89.34	86.15	83.25
		Sensible	166.8	162.7	158.3	154.3				48.84	47.64	46.35	45.18
	85	Total	288.6	279.6	270.6	259.2		29		84.51	81.87	79.24	75.90
		Sensible	278.1	270.7	262.6	253.4				81.43	79.27	76.90	74.20
	80	Total	288.6	279.6	270.6	259.2		27		84.51	81.87	79.24	75.90
		Sensible	236.7	232.5	228.4	223.3				69.31	68.08	66.88	65.39
Metric - KW													
72	90	Total	344.1	333.7	324.0	311.7	22	32		100.76	97.72	94.88	91.27
		Sensible	230.9	227.0	223.4	218.9				67.61	66.47	65.42	64.10
	85	Total	344.1	333.7	324.0	311.7		29		100.76	97.72	94.88	91.27
		Sensible	197.7	193.9	190.3	185.8				57.89	56.78	55.72	54.41
	80	Total	344.1</										

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 14,000 CFM				Temp Ent Evap - °C			Evaporator @ 6604 L/S					
WetBulb	DryBulb		Air Temp. Ent. Cond.-°F				WetBulb	DryBulb		Air Temp. Ent. Cond.-°C					
			85	95	105	115				29	35	40	46		
72	90	Total	486.3	472.5	454.9	435.8	22	32		142.40	138.36	133.21	127.61		
		Sensible	376.2	371.4	365.3	358.7				110.16	108.76	106.97	105.04		
	85	Total	486.3	472.5	454.9	435.8		29		142.40	138.36	133.21	127.61		
		Sensible	314.2	309.4	303.3	296.8				92.01	90.60	88.81	86.91		
	80	Total	486.3	472.5	454.9	435.8		27		142.40	138.36	133.21	127.61		
		Sensible	251.6	246.8	240.8	234.3				73.67	72.27	70.51	68.61		
	75	Total	486.3	472.5	454.9	435.8		24		142.40	138.36	133.21	127.61		
		Sensible	188.2	183.5	177.5	171.0				55.11	53.73	51.98	50.07		
67	85	Total	448.2	430.5	420.2	400.5	19	29		131.24	126.06	123.05	117.28		
		Sensible	382.2	375.4	371.4	365.1				111.92	109.93	108.76	106.91		
	80	Total	448.2	430.5	420.2	400.5		27		131.24	126.06	123.05	117.28		
		Sensible	319.7	312.9	308.9	301.5				93.62	91.63	90.45	88.29		
	75	Total	448.2	430.5	420.2	400.5		24		131.24	126.06	123.05	117.28		
		Sensible	256.5	249.7	245.8	238.4				75.11	73.12	71.98	69.81		
	62	85	Total	423.7	411.8	400.1		387.6	17	29		124.07	120.59	117.16	113.50
			Sensible	423.7	411.8	400.1		387.6				124.07	120.59	117.16	113.50
80		Total	423.7	411.8	400.1	387.6	27			124.07	120.59	117.16	113.50		
		Sensible	391.1	378.8	367.0	353.7				114.52	110.92	107.47	103.57		
75		Total	423.7	411.8	400.1	387.6	24			124.07	120.59	117.16	113.50		
		Sensible	324.2	317.8	312.0	304.6				94.93	93.06	91.36	89.19		
Evaporator @ 10,500 CFM							Evaporator @ 4953 L/S								
72		90	Total	464.7	452.6	436.2	418.5	22		32		136.08	132.53	127.73	122.55
	Sensible		325.7	321.2	315.2	308.7			95.37		94.06	92.30	90.40		
	85	Total	464.7	452.6	436.2	418.5	29			136.08	132.53	127.73	122.55		
		Sensible	276.9	272.4	266.4	260.0				81.08	79.77	78.01	76.13		
	80	Total	464.7	452.6	436.2	418.5	27			136.08	132.53	127.73	122.55		
		Sensible	276.9	223.3	217.3	210.9				81.08	65.39	63.63	61.76		
	75	Total	464.7	452.6	436.2	418.5	24			136.08	132.53	127.73	122.55		
		Sensible	177.9	173.5	167.5	161.2				52.09	50.81	49.05	47.20		
67	85	Total	426.3	411.8	399.5	382.9	19	29		124.83	120.59	116.98	112.12		
		Sensible	330.3	324.4	319.4	312.7				96.72	94.99	93.53	91.57		
	80	Total	426.3	411.8	399.5	382.9		27		124.83	120.59	116.98	112.12		
		Sensible	281.2	275.2	270.3	263.6				82.34	80.59	79.15	77.19		
	75	Total	426.3	411.8	399.5	382.9		24		124.83	120.59	116.98	112.12		
		Sensible	231.5	225.6	220.6	214.0				67.79	66.06	64.60	62.66		
	62	85	Total	391.2	377.3	365.4		353.2	17	29		114.55	110.48	107.00	103.43
			Sensible	381.0	369.8	358.7		346.6				111.57	108.29	105.04	101.49
80		Total	391.2	377.3	365.4	353.2	27			114.55	110.48	107.00	103.43		
		Sensible	334.4	328.1	323.1	316.0				97.92	96.08	94.61	92.53		
75		Total	391.2	377.3	365.4	353.2	24			114.55	110.48	107.00	103.43		
		Sensible	284.7	279.0	272.4	266.1				83.37	81.70	79.77	77.92		

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 11,667 CFM				Temp Ent Evap-°C			Evaporator @ 5503 L/S					
WetBulb		DryBulb	Air Temp. Ent. Cond. -°F				WetBulb		DryBulb	Air Temp. Ent. Cond. -°C					
			85	95	105	115				29	35	40	46		
72	90	Total	412.9	403.3	388.7	372.7	22	32		120.91	118.10	113.82	109.14		
		Sensible	321.5	318.2	313.1	307.6				94.14	93.18	91.68	90.07		
	85	Total	412.9	403.3	388.7	372.5		29		120.91	118.10	113.82	109.08		
		Sensible	268.3	265.0	259.9	254.4				78.57	77.60	76.11	74.49		
	80	Total	412.9	403.3	388.7	372.7		27		120.91	118.10	113.82	109.14		
		Sensible	214.6	211.3	206.3	200.8				62.84	61.87	60.41	58.80		
	75	Total	412.9	403.3	388.7	372.7		24		120.91	118.10	113.82	109.14		
		Sensible	160.4	157.1	152.1	146.6				46.97	46.00	44.54	42.93		
67	85	Total	380.0	367.7	356.9	342.4	19	29		111.27	107.67	104.51	100.26		
		Sensible	326.4	321.7	317.5	314.1				95.58	94.20	92.97	91.98		
	80	Total	380.0	367.7	356.9	342.4		27		111.27	107.67	104.51	100.26		
		Sensible	272.8	268.1	263.9	258.4				79.88	78.51	77.28	75.67		
	75	Total	380.0	367.7	356.9	342.4		24		111.27	107.67	104.51	100.26		
		Sensible	218.7	213.9	209.8	204.3				64.04	62.64	61.43	59.82		
	62	85	Total	361.1	350.7	340.8		332.0	17	29		105.74	102.69	99.80	97.22
			Sensible	361.1	350.7	340.8		332.0				105.74	102.69	99.80	97.22
80		Total	361.1	350.7	340.8	332.0	27			105.74	102.69	99.80	97.22		
		Sensible	333.4	323.8	313.6	302.2				97.63	94.82	91.83	88.49		
75		Total	361.1	350.7	340.8	332.0	24			105.74	102.69	99.80	97.22		
		Sensible	276.7	272.0	267.7	261.1				81.02	79.65	78.39	76.46		
Evaporator @ 8,750 CFM															
72		90	Total	395.2	384.1	372.1	357.6	22		32		115.72	112.47	108.96	104.71
	Sensible		278.0	273.9	269.4	264.1			81.41		80.20	78.89	77.34		
	85	Total	395.2	384.1	372.1	357.6	29			115.72	112.47	108.96	104.71		
		Sensible	236.3	232.2	227.8	222.5				69.19	67.99	66.71	65.15		
	80	Total	395.2	384.1	372.1	357.6	27			115.72	112.47	108.96	104.71		
		Sensible	236.3	190.2	185.8	180.6				69.19	55.70	54.41	52.88		
	75	Total	395.2	384.1	372.1	357.6	24			115.72	112.47	108.96	104.71		
		Sensible	151.8	147.7	143.4	138.1				44.45	43.25	41.99	40.44		
67	85	Total	362.8	350.0	339.0	326.8	19	29		106.24	102.49	99.27	95.70		
		Sensible	282.0	276.8	272.2	267.3				82.58	81.05	79.71	78.27		
	80	Total	362.8	350.0	339.0	326.8		27		106.24	102.49	99.27	95.70		
		Sensible	240.0	234.8	230.3	225.4				70.28	68.76	67.44	66.00		
	75	Total	362.8	350.0	339.0	326.8		24		106.24	102.49	99.27	95.70		
		Sensible	197.6	192.4	187.9	183.0				57.86	56.34	55.02	53.59		
	62	85	Total	333.0	322.3	311.4		300.6	17	29		97.51	94.38	91.19	88.02
			Sensible	323.6	314.8	305.4		295.1				94.76	92.18	89.43	86.41
80		Total	333.0	322.3	311.4	300.6	27			97.51	94.38	91.19	88.02		
		Sensible	285.5	280.6	275.7	270.3				83.60	82.17	80.73	79.15		
75		Total	333.0	322.3	311.4	300.6	24			97.51	94.38	91.19	88.02		
		Sensible	243.1	238.1	232.2	226.4				71.19	69.72	67.99	66.30		
Evaporator @ 4127 L/S															

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 16,000 CFM				Temp Ent Evap-°C			Evaporator @ 7547 L/S			
WetBulb		DryBulb	Air Temp. Ent. Cond.-°F				WetBulb		DryBulb	Air Temp. Ent. Cond.-°C			
			85	95	105	115				29	35	40	46
72	90	Total	539.2	525.9	506.0	481.1	22	32	157.89	154.00	148.17	140.88	
		Sensible	418.7	414.1	407.2	398.8			122.61	121.26	119.24	116.78	
	85	Total	539.2	525.9	506.0	481.1		29	157.89	154.00	148.17	140.88	
		Sensible	349.3	344.8	337.9	329.5			102.28	100.97	98.95	96.49	
	80	Total	539.2	525.9	506.0	481.1		27	157.89	154.00	148.17	140.88	
		Sensible	279.3	274.8	268.0	259.6			81.79	80.47	78.48	76.02	
67	75	Total	539.2	525.9	506.0	481.1	19	24	157.89	154.00	148.17	140.88	
		Sensible	208.5	204.0	197.2	188.9			61.05	59.74	57.75	55.31	
	85	Total	499.5	481.1	465.7	444.0		29	146.27	140.88	136.37	130.01	
		Sensible	426.3	419.3	414.2	409.9			124.83	122.78	121.29	120.03	
	80	Total	499.5	481.1	465.7	444.0		27	146.27	140.88	136.37	130.01	
		Sensible	356.4	349.4	343.5	335.4			104.36	102.31	100.59	98.21	
62	75	Total	499.5	481.1	465.7	444.0	17	24	146.27	140.88	136.37	130.01	
		Sensible	285.8	278.8	273.0	264.8			83.69	81.64	79.94	77.54	
	85	Total	472.0	458.5	445.5	430.8		29	138.21	134.26	130.45	126.15	
		Sensible	462.0	458.5	445.5	430.8			135.29	134.26	130.45	126.15	
	80	Total	472.0	458.5	445.5	430.8		27	138.21	134.26	130.45	126.15	
		Sensible	435.9	423.1	408.9	394.6			127.64	123.89	119.74	115.55	
Evaporator @ 12,000 CFM													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.2	234.2			90.48	72.91	70.92	68.58	
67	75	Total	518.5	505.1	486.3	463.9	19	24	151.83	147.91	142.40	135.84	
		Sensible	198.1	193.2	186.5	178.5			58.01	56.57	54.61	52.27	
	85	Total	476.1	460.1	446.9	426.5		29	139.41	134.73	130.86	124.89	
		Sensible	369.1	362.5	357.2	349.0			108.08	106.15	104.60	102.20	
	80	Total	476.1	460.1	446.9	426.5		27	139.41	134.73	130.86	124.89	
		Sensible	314.0	307.5	302.1	294.0			91.95	90.04	88.46	86.09	
62	75	Total	476.1	460.1	446.9	426.5	17	24	139.41	134.73	130.86	124.89	
		Sensible	258.3	251.8	246.5	238.5			75.64	73.73	72.18	69.84	
	85	Total	437.8	424.0	410.4	394.5		29	128.20	124.16	120.18	115.52	
		Sensible	426.3	414.5	401.2	386.9			124.83	121.38	117.48	113.29	
	80	Total	437.8	424.0	410.4	394.5		27	128.20	124.16	120.18	115.52	
		Sensible	374.0	366.9	361.7	353.9			109.52	107.44	105.92	103.63	
Evaporator @ 5660 L/S													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.2	234.2			90.48	72.91	70.92	68.58	
67	75	Total	518.5	505.1	486.3	463.9	19	24	151.83	147.91	142.40	135.84	
		Sensible	198.1	193.2	186.5	178.5			58.01	56.57	54.61	52.27	
	85	Total	476.1	460.1	446.9	426.5		29	139.41	134.73	130.86	124.89	
		Sensible	369.1	362.5	357.2	349.0			108.08	106.15	104.60	102.20	
	80	Total	476.1	460.1	446.9	426.5		27	139.41	134.73	130.86	124.89	
		Sensible	314.0	307.5	302.1	294.0			91.95	90.04	88.46	86.09	
62	75	Total	476.1	460.1	446.9	426.5	17	24	139.41	134.73	130.86	124.89	
		Sensible	258.3	251.8	246.5	238.5			75.64	73.73	72.18	69.84	
	85	Total	437.8	424.0	410.4	394.5		29	128.20	124.16	120.18	115.52	
		Sensible	426.3	414.5	401.2	386.9			124.83	121.38	117.48	113.29	
	80	Total	437.8	424.0	410.4	394.5		27	128.20	124.16	120.18	115.52	
		Sensible	374.0	366.9	361.7	353.9			109.52	107.44	105.92	103.63	
Evaporator @ 12,000 CFM													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.2	234.2			90.48	72.91	70.92	68.58	
67	75	Total	518.5	505.1	486.3	463.9	19	24	151.83	147.91	142.40	135.84	
		Sensible	198.1	193.2	186.5	178.5			58.01	56.57	54.61	52.27	
	85	Total	476.1	460.1	446.9	426.5		29	139.41	134.73	130.86	124.89	
		Sensible	369.1	362.5	357.2	349.0			108.08	106.15	104.60	102.20	
	80	Total	476.1	460.1	446.9	426.5		27	139.41	134.73	130.86	124.89	
		Sensible	314.0	307.5	302.1	294.0			91.95	90.04	88.46	86.09	
62	75	Total	476.1	460.1	446.9	426.5	17	24	139.41	134.73	130.86	124.89	
		Sensible	258.3	251.8	246.5	238.5			75.64	73.73	72.18	69.84	
	85	Total	437.8	424.0	410.4	394.5		29	128.20	124.16	120.18	115.52	
		Sensible	426.3	414.5	401.2	386.9			124.83	121.38	117.48	113.29	
	80	Total	437.8	424.0	410.4	394.5		27	128.20	124.16	120.18	115.52	
		Sensible	374.0	366.9	361.7	353.9			109.52	107.44	105.92	103.63	
Evaporator @ 5660 L/S													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.2	234.2			90.48	72.91	70.92	68.58	
67	75	Total	518.5	505.1	486.3	463.9	19	24	151.83	147.91	142.40	135.84	
		Sensible	198.1	193.2	186.5	178.5			58.01	56.57	54.61	52.27	
	85	Total	476.1	460.1	446.9	426.5		29	139.41	134.73	130.86	124.89	
		Sensible	369.1	362.5	357.2	349.0			108.08	106.15	104.60	102.20	
	80	Total	476.1	460.1	446.9	426.5		27	139.41	134.73	130.86	124.89	
		Sensible	314.0	307.5	302.1	294.0			91.95	90.04	88.46	86.09	
62	75	Total	476.1	460.1	446.9	426.5	17	24	139.41	134.73	130.86	124.89	
		Sensible	258.3	251.8	246.5	238.5			75.64	73.73	72.18	69.84	
	85	Total	437.8	424.0	410.4	394.5		29	128.20	124.16	120.18	115.52	
		Sensible	426.3	414.5	401.2	386.9			124.83	121.38	117.48	113.29	
	80	Total	437.8	424.0	410.4	394.5		27	128.20	124.16	120.18	115.52	
		Sensible	374.0	366.9	361.7	353.9			109.52	107.44	105.92	103.63	
Evaporator @ 12,000 CFM													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.2	234.2			90.48	72.91	70.92	68.58	
67	75	Total	518.5	505.1	486.3	463.9	19	24	151.83	147.91	142.40	135.84	
		Sensible	198.1	193.2	186.5	178.5			58.01	56.57	54.61	52.27	
	85	Total	476.1	460.1	446.9	426.5		29	139.41	134.73	130.86	124.89	
		Sensible	369.1	362.5	357.2	349.0			108.08	106.15	104.60	102.20	
	80	Total	476.1	460.1	446.9	426.5		27	139.41	134.73	130.86	124.89	
		Sensible	314.0	307.5	302.1	294.0			91.95	90.04	88.46	86.09	
62	75	Total	476.1	460.1	446.9	426.5	17	24	139.41	134.73	130.86	124.89	
		Sensible	258.3	251.8	246.5	238.5			75.64	73.73	72.18	69.84	
	85	Total	437.8	424.0	410.4	394.5		29	128.20	124.16	120.18	115.52	
		Sensible	426.3	414.5	401.2	386.9			124.83	121.38	117.48	113.29	
	80	Total	437.8	424.0	410.4	394.5		27	128.20	124.16	120.18	115.52	
		Sensible	374.0	366.9	361.7	353.9			109.52	107.44	105.92	103.63	
Evaporator @ 5660 L/S													
72	90	Total	518.5	505.1	486.3	463.9	22	32	151.83	147.91	142.40	135.84	
		Sensible	363.7	358.8	351.9	343.8			106.50	105.07	103.05	100.67	
	85	Total	518.5	505.1	486.3	463.9		29	151.83	147.91	142.40	135.84	
		Sensible	309.0	304.1	297.3	289.2			90.48	89.05	87.06	84.69	
	80	Total	518.5	505.1	486.3	463.9		27	151.83	147.91	142.40	135.84	
		Sensible	309.0	249.0	242.								

 Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb		Evaporator @ 13,333 CFM Air Temp. Ent. Cond. °F				Temp Ent Evap - °C WetBulb DryBulb		Evaporator @ 6289 L/S Air Temp. Ent. Cond. °C						
		85	95	105	115			29	35	40	46			
72	90	Total	467.2	456.0	436.2	417.2	22	32	136.81	133.53	127.73	122.17		
		Sensible	361.4	357.4	350.6	344.1			105.83	104.66	102.66	100.76		
	85	Total	467.2	456.0	436.2	417.2		29	136.81	133.53	127.73	122.17		
		Sensible	301.8	297.9	291.1	284.6			88.37	87.23	85.24	83.34		
	80	Total	467.2	456.0	436.2	417.2		27	136.81	133.53	127.73	122.17		
		Sensible	241.7	237.8	231.1	224.6			70.78	69.63	67.67	65.77		
	75	Total	467.2	456.0	436.2	417.2		24	136.81	133.53	127.73	122.17		
		Sensible	180.9	177.1	170.3	163.9			52.97	51.86	49.87	47.99		
67	85	Total	431.1	413.7	403.1	384.2	19	29	126.24	121.14	118.04	112.50		
		Sensible	367.3	360.6	356.5	351.2			107.55	105.59	104.39	102.84		
	80	Total	431.1	413.7	403.1	384.2		27	126.24	121.14	118.04	112.50		
		Sensible	307.3	300.6	296.6	289.4			89.99	88.02	86.85	84.74		
	75	Total	431.1	413.7	403.1	384.2		24	126.24	121.14	118.04	112.50		
		Sensible	246.7	240.0	236.0	228.8			72.24	70.28	69.11	67.00		
	62	85	Total	407.5	395.7	383.4		372.2	17	29	119.33	115.87	112.27	108.99
			Sensible	407.5	395.7	383.4		372.2			119.33	115.87	112.27	108.99
80		Total	407.5	395.7	383.4	372.2	27	119.33		115.87	112.27	108.99		
		Sensible	376.2	365.2	352.8	339.9		110.16		106.94	103.31	99.53		
75		Total	407.5	395.7	383.4	372.2	24	119.33		115.87	112.27	108.99		
		Sensible	311.6	305.3	300.7	293.5		91.24		89.40	88.05	85.94		
Evaporator @ 10,000 CFM						Evaporator @ 2670 L/S								
72		90	Total	445.8	434.2	418.2	401.2	22		32	130.54	127.14	122.46	117.48
	Sensible		312.6	308.2	302.3	296.1	91.54		90.25		88.52	86.71		
	85	Total	445.8	434.2	418.2	401.2	29		130.54	127.14	122.46	117.48		
		Sensible	265.8	261.4	255.6	249.4			77.83	76.54	74.85	73.03		
	80	Total	445.8	434.2	418.2	401.2	27		130.54	127.14	122.46	117.48		
		Sensible	265.8	214.3	208.5	202.3			77.83	62.75	61.05	59.24		
	75	Total	445.8	434.2	418.2	401.2	24		130.54	127.14	122.46	117.48		
		Sensible	170.8	166.6	160.8	154.7			50.01	48.78	47.09	45.30		
67	85	Total	409.7	395.3	383.2	367.5	19	29	119.97	115.75	112.21	107.61		
		Sensible	317.3	311.4	306.4	300.1			92.91	91.19	89.72	87.88		
	80	Total	409.7	395.3	383.2	367.5		27	119.97	115.75	112.21	107.61		
		Sensible	270.1	264.2	259.3	253.0			79.09	77.36	75.93	74.08		
	75	Total	409.7	395.3	383.2	367.5		24	119.97	115.75	112.21	107.61		
		Sensible	222.5	216.6	211.7	205.5			65.15	63.43	61.99	60.18		
	62	85	Total	375.9	362.5	351.8		339.2	17	29	110.07	106.15	103.02	99.33
			Sensible	366.0	355.1	344.5		332.8			107.17	103.98	100.88	97.45
80		Total	375.9	362.5	351.8	339.2	27	110.07		106.15	103.02	99.33		
		Sensible	321.2	315.0	310.2	304.3		94.06		92.24	90.83	89.11		
75		Total	375.9	362.5	351.8	339.2	24	110.07		106.15	103.02	99.33		
		Sensible	273.6	267.9	261.6	255.3		80.12		78.45	76.60	74.76		

Dry coil conditions

English - MBH

Metric - KW

Temp Ent Evap - °F WetBulb DryBulb			Evaporator @ 20,000 CFM Air Temp. Ent. Cond.-°F				Temp Ent Evap-°C WetBulb DryBulb		Evaporator @ 9434 L/S Air Temp. Ent. Cond.-°C						
			85	95	105	115			29	35	40	46			
72	90	Total	648.4	623.9	597.2	568.8	22	32	189.87	182.69	174.88	166.56			
		Sensible	548.9	540.4	531.3	521.8			160.73	158.24	155.58	152.80			
	85	Total	648.4	623.9	597.2	568.8		29	189.87	182.69	174.88	166.56			
		Sensible	452.7	444.3	435.3	425.8			132.56	130.10	127.47	124.69			
	80	Total	648.4	623.9	597.2	568.8		27	189.87	182.69	174.88	166.56			
		Sensible	355.8	347.4	338.4	329.0			104.19	101.73	99.09	96.34			
67	75	Total	648.4	623.9	597.2	568.8	19	24	189.87	182.69	174.88	166.56			
		Sensible	257.7	249.4	240.5	231.1			75.46	73.03	70.42	67.67			
	85	Total	593.9	578.3	551.8	523.4		29	173.91	169.34	161.58	153.27			
		Sensible	567.6	549.1	521.7	503.1			166.21	160.79	152.77	147.32			
	80	Total	593.9	578.3	551.8	523.4		27	173.91	169.34	161.58	153.27			
		Sensible	459.0	453.1	443.1	432.5			134.41	132.68	129.75	126.65			
62	75	Total	593.9	578.3	551.8	523.4	17	24	173.91	169.34	161.58	153.27			
		Sensible	361.1	355.3	345.3	334.8			105.74	104.04	101.11	98.04			
	85	Total	575.2	563.4	543.1	521.3		29	168.43	164.98	159.03	152.65			
		Sensible	575.2	563.4	543.1	521.3			168.43	164.98	159.03	152.65			
	80	Total	575.2	563.4	543.1	521.3		27	168.43	164.98	159.03	152.65			
		Sensible	531.1	514.3	499.8	478.8			155.52	150.60	146.35	140.20			
Evaporator @ 15,000 CFM												Evaporator @ 7075 L/S			
72	90	Total	621.3	600.5	576.0	547.7	22	32	181.93	175.84	168.67	160.38			
		Sensible	467.2	459.6	450.8	440.7			136.81	134.58	132.01	129.05			
	85	Total	621.1	600.5	576.0	547.7		29	181.87	175.84	168.67	160.38			
		Sensible	392.7	385.2	376.4	366.3			114.99	112.80	110.22	107.26			
	80	Total	621.3	600.5	576.0	547.7		27	181.93	175.84	168.67	160.38			
		Sensible	392.7	310.1	301.4	291.4			114.99	90.81	88.26	85.33			
67	75	Total	621.3	600.5	576.0	547.7	19	24	181.93	175.84	168.67	160.38			
		Sensible	241.7	234.2	225.6	215.7			70.78	68.58	66.06	63.16			
	85	Total	569.4	554.1	530.9	504.9		29	166.73	162.25	155.46	147.85			
		Sensible	473.5	467.3	458.0	447.7			138.65	136.84	134.11	131.10			
	80	Total	569.4	554.1	530.9	504.9		27	166.73	162.25	155.46	147.85			
		Sensible	398.4	392.3	383.0	372.8			116.66	114.88	112.15	109.17			
62	75	Total	569.4	554.1	530.9	504.9	17	24	166.73	162.25	155.46	147.85			
		Sensible	322.6	316.5	307.3	297.1			94.47	92.68	89.99	87.00			
	85	Total	528.7	512.3	499.1	481.3		29	154.82	150.01	146.15	140.94			
		Sensible	519.2	512.3	499.1	481.3			152.04	150.01	146.15	140.94			
	80	Total	528.7	512.3	499.1	481.3		27	154.82	150.01	146.15	140.94			
		Sensible	479.4	472.4	464.5	441.9			140.38	138.33	136.02	129.40			
75	Total	528.7	512.3	499.1	481.3	24	154.82	150.01	146.15	140.94					
	Sensible	404.4	395.4	388.5	378.3		118.42	115.78	113.76	110.78					

Dry coil conditions

HA-50

50HZ

English - MBH

Metric - KW

Temp Ent Evap - °F			Evaporator @ 16,667 CFM				Temp Ent Evap-°C			Metric - KW			
WetBulb	DryBulb		Air Temp. Ent. Cond.-°F				WetBulb	DryBulb		Evaporator @ 7862 L/S			
			85	95	105	115				Air Temp. Ent. Cond.-°C			
			85	95	105	115				29	35	40	46
72	90	Total	556.0	538.2	515.9	491.7	22	32		162.81	157.60	151.07	143.98
		Sensible	468.4	462.2	454.6	446.3				137.16	135.34	133.12	130.69
	85	Total	556.0	538.2	515.9	491.7		29		162.81	157.60	151.07	143.98
		Sensible	386.7	380.6	373.0	364.8				113.24	111.45	109.22	106.82
	80	Total	556.0	538.2	515.9	491.7		27		162.81	157.60	151.07	143.98
		Sensible	304.3	298.2	290.7	282.5				89.11	87.32	85.12	82.72
67	75	Total	556.0	538.2	515.9	491.7	19	24		162.81	157.60	151.07	143.98
		Sensible	221.0	215.0	207.5	199.3				64.71	62.96	60.76	58.36
	85	Total	513.0	495.5	475.9	451.8		29		150.22	145.10	139.36	132.30
		Sensible	475.6	469.8	452.5	432.4				139.27	137.57	132.50	126.62
	80	Total	513.0	495.5	475.9	451.8		27		150.22	145.10	139.36	132.30
		Sensible	393.5	386.8	379.4	370.3				115.23	113.27	111.10	108.43
62	75	Total	513.0	495.5	475.9	451.8	17	24		150.22	145.10	139.36	132.30
		Sensible	310.3	303.7	296.3	287.3				90.86	88.93	86.76	84.13
	85	Total	496.2	483.1	467.2	448.8		29		145.30	141.46	136.81	131.42
		Sensible	496.2	483.1	467.2	448.8				145.30	141.46	136.81	131.42
	80	Total	496.2	483.1	467.2	448.8		27		145.30	141.46	136.81	131.42
		Sensible	458.1	443.1	429.9	424.4				134.14	129.75	125.89	124.28
			Evaporator @ 12,500 CFM							Evaporator @ 5896 L/S			
72	90	Total	533.1	516.5	496.4	472.5	22	32		156.11	151.24	145.36	138.36
		Sensible	398.3	392.2	384.9	376.3				116.63	114.85	112.71	110.19
	85	Total	533.1	516.5	496.4	472.5		29		156.11	151.24	145.36	138.36
		Sensible	335.3	329.2	322.0	313.4				98.18	96.40	94.29	91.77
	80	Total	533.1	516.5	496.4	472.5		27		156.11	151.24	145.36	138.36
		Sensible	335.3	265.7	258.5	250.0				98.18	77.80	75.70	73.21
67	75	Total	533.1	516.5	496.4	472.5	19	24		156.11	151.24	145.36	138.36
		Sensible	207.5	201.5	194.3	185.9				60.76	59.00	56.90	54.44
	85	Total	490.3	472.2	456.1	434.3		29		143.57	138.27	133.56	127.17
		Sensible	404.4	397.0	390.5	381.8				118.42	116.25	114.35	111.80
	80	Total	490.3	472.2	456.1	434.3		27		143.57	138.27	133.56	127.17
		Sensible	340.9	333.6	327.1	318.5				99.82	97.69	95.78	93.27
62	75	Total	490.3	472.2	456.1	434.3	17	24		143.57	138.27	133.56	127.17
		Sensible	276.8	269.5	263.0	254.4				81.05	78.92	77.01	74.49
	85	Total	453.4	440.2	426.2	412.3		29		132.77	128.90	124.80	120.73
		Sensible	445.5	440.2	426.2	412.3				130.45	128.90	124.80	120.73
	80	Total	453.4	440.2	426.2	412.3		27		132.77	128.90	124.80	120.73
		Sensible	409.4	402.2	394.9	385.7				119.88	117.77	115.64	112.94
			Evaporator @ 12,500 CFM							Evaporator @ 5896 L/S			
72	90	Total	453.4	440.2	426.2	412.3	17	24		132.77	128.90	124.80	120.73
		Sensible	345.4	338.1	331.2	322.5				101.14	99.00	96.98	94.44

Dry coil conditions

HA Fan Performance • Imperial Units

AVAILABLE STATIC PRESSURE	CFM	ESP	ESP
		60 Hz	50 Hz
HA-04 HA-05	800	1.04	0.58
	1000	0.91	0.47
	1200	0.78	0.35
	1400	0.66	0.24
	1600	0.53	0.11
	1800	0.40	
DIRECT DRIVE	2000	0.25	
	2200	0.05	

HA-07 • HA-08 • HA-10

BELT DRIVE (1) 12-12 FC		EXTERNAL STATIC PRESSURE (In WC)									
		0.2		0.4		0.6		0.8		1.0	
	CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
HA-07 1 HP	2600	710	0.63	780	0.70	825	0.81	910	0.90	960	1.10
	2800	750	0.75	810	0.87	875	0.90	910	1.10	990	1.17
	3000	790	0.90	850	1.00	920	1.17				
HA-08 2 HP	2900	760	0.80	830	0.90	890	1.10	950	1.15	1010	1.20
	3200	830	1.10	890	1.12	920	1.20	1000	1.24	1050	1.30
	3500	880	1.20	920	1.50	990	1.60	1040	1.75	1100	1.90
HA-10 3 HP	3600	900	1.50	940	1.60	1000	1.75	1050	1.80	1100	2.00
	4000	860	1.80	1010	2.00	1060	2.25	1110	2.40	1150	2.60
	4400	1020	2.30	1080	2.60	1130	2.80	1180	2.95	1220	3.10

HA-13 • HA-16 • HA-20 • HA-25

BELT DRIVE (2) 12-12 FC		EXTERNAL STATIC PRESSURE (In WC)									
		0.2		0.4		0.6		0.8		1.0	
	CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
HA-13 2 HP	4700	700	1.00	760	1.35	820	1.44	900	1.60	975	1.80
	5200	740	1.40	800	1.50	875	1.80	950	2.00	1000	2.20
	5700	790	1.60	850	1.80	910	2.20				
HA-16 3 HP	5700	790	1.60	850	1.80	910	2.20	980	2.40	1025	2.60
	6400	850	2.24	910	2.60	975	2.90	1030	3.00	1080	3.20
	7100	900	2.90	970	3.20	1030	3.50				
HA-20 5 HP	7200	910	3.00	980	3.30	1040	3.60	1090	3.90	1130	4.10
	8000	1000	3.90	1050	4.20	1100	4.80	1150	5.10	1200	5.20
	8800	1060	5.20	1110	5.40	1160	5.80				
HA-25 7.5 HP	9000	1070	5.30	1120	5.70	1170	6.10	1220	6.50	1280	7.10
	10000	1130	6.70	1190	7.20	1230	7.60	1290	8.10	1320	8.50
	11000	1205	8.10	1260	8.60						

HA Fan Performance • Metric Units

AVAILABLE STATIC PRESSURE	M ³ / MIN	ESP (mm WC)	ESP (mm WC)
		60 Hz	50 Hz
HA-04 HA-05	22.7	26.4	14.7
	28.3	23.1	11.9
	34.0	19.8	8.9
	39.6	16.8	6.1
	45.3	13.5	2.8
	51.0	10.2	
DIRECT DRIVE	56.6	6.4	
	62.3	1.3	

HA-07 • HA-08 • HA-10

BELT DRIVE (1) 12-12 FC		EXTERNAL STATIC PRESSURE (mm WC)									
		5.1		10.2		15.2		20.3		25.4	
	M ³ / MIN	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS
HA-07 1 HP	73.6	710	470	780	522	825	604	910	671	960	820
	79.3	750	559	810	649	875	671	910	820	990	872
	84.9	790	671	850	746	920	872				
HA-08 2 HP	82.1	760	597	830	671	890	820	950	858	1010	895
	90.6	830	820	890	835	920	895	1000	925	1050	969
	99.1	880	895	920	1119	990	1193	1040	1305	1100	1417
HA-10 3 HP	101.9	900	1119	940	1193	1000	1305	1050	1342	1100	1491
	113.3	860	1342	1010	1491	1060	1678	1110	1790	1150	1939
	124.6	1020	1715	1080	1939	1130	2088	1180	2200	1220	2312

HA-13 • HA-16 • HA-20 • HA-25

BELT DRIVE (2) 12-12 FC		EXTERNAL STATIC PRESSURE (mm WC)									
		5.1		10.2		15.2		20.3		25.4	
	M ³ / MIN	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS
HA-13 2 HP	133.1	700	746	760	1007	820	1074	900	1193	975	1342
	147.2	740	1044	800	1119	875	1342	950	1491	1000	1641
	161.4	790	1193	850	1342	910	1641				
HA-16 3 HP	161.4	790	1193	850	1342	910	1641	980	1790	1025	1939
	181.2	850	1670	910	1939	975	2163	1030	2237	1080	2386
	201.0	900	2163	970	2386	1030	2610				
HA-20 5 HP	203.9	910	2237	980	2461	1040	2685	1090	2908	1130	3057
	226.5	1000	2908	1050	3132	1100	3579	1150	3803	1200	3878
	249.2	1060	3878	1110	4027	1160	4325				
HA-25 7.5 HP	254.9	1070	3954	1120	4252	1170	4551	1220	4849	1280	5297
	283.2	1130	4998	1190	5371	1230	5670	1290	6043	1320	6341
	311.5	1205	6043	1260	6416						

HA Fan Performance • Imperial Units

HA-30 • HA-35 • HA-40 • HA-50

BELT DRIVE (2) 18-18 FC		EXTERNAL STATIC PRESSURE (In WC)							
		1.0		1.5		2.0		2.5	
	CFM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
HA-30 7.5 HP	8000	670	1.50						
	10,000	680	2.20	815	3.00				
	12,000	710	2.80	830	3.70	955	4.70	1060	5.70
HA-35 HA-40 10 HP	8000	690	1.50						
	10,000	700	2.10	820	3.00				
	12,000	735	3.00	840	3.80	960	4.70	1070	5.60
	14,000	775	4.10	870	5.00	980	6.00	1080	6.80
	16,000	835	5.50	915	6.40	1000	7.50	1090	8.60
HA-50 10 HP	10,000	680	2.10	820	2.90				
	12,000	715	2.90	850	4.00	970	4.80		
	14,000	765	4.00	880	5.00	990	6.00	1085	7.00
	16,000	835	5.60	940	6.50	1010	7.50	1100	7.50
	18,000	910	7.40	980	8.20	1060	9.60		
	20,000	985	9.70						

HA Fan Performance • Metric Units

HA-30 • HA-35 • HA-40 • HA-50

BELT DRIVE (2) 18-18 FC		EXTERNAL STATIC PRESSURE (mm WC)							
		25.4		38.1		50.8		63.5	
	M ³ / MIN	RPM	WATTS	RPM	WATTS	RPM	WATTS	RPM	WATTS
HA-30 7.5 HP	226.5	670	1119						
	283.2	680	1641	815	2238				
	339.8	710	2089	830	2760	955	3506	1060	4252
HA-35 HA-40 10 HP	226.5	690	1119						
	283.2	700	1567	820	2238				
	339.8	735	2238	840	2835	960	3506	1070	4178
	396.4	775	3059	870	3730	980	4476	1080	5073
	453.1	835	4103	915	4774	1000	5595	1090	6416
HA-50 10 HP	283.2	680	1567	820	2163				
	339.8	715	2163	850	2984	970	3581		
	396.4	765	2984	880	3730	990	4476	1085	5222
	453.1	835	4178	940	4849	1010	5595	1100	5595
	509.7	910	5520	980	6117	1060	7162		
	566.3	985	7236						

HA electrical data

UNIT SIZE	CODE	VOLTAGE 3 Phase	Hz	FULL LOAD AMPS (FLA)	MINIMUM CIRCUIT AMPACITY (MCA)	MAX. OVERCURRENT PROTECTION (MOP)
HA - 04	2	208 / 230	60	21.8	25.0	35
	3	460		10.7	12.0	15
	5	200 / 220	50	21.8	25.0	35
	6	380 / 415		10.7	12.0	15
HA - 05	2	208 / 230	60	26.3	31.0	45
	3	460		13.3	16.0	20
	5	200 / 220	50	26.3	31.0	45
	6	380 / 415		13.3	16.0	20
HA - 07	2	208 / 230	60	29.8	34.0	50
	3	460		14.4	17.0	25
	5	200 / 220	50	29.8	34.0	50
	6	380 / 415		14.4	17.0	25
HA - 08	2	208 / 230	60	43.6	51.0	70
	3	460		21.7	25.0	40
	5	200 / 220	50	43.6	51.0	70
	6	380 / 415		21.7	25.0	40
HA - 10	2	208 / 230	60	47.9	55.0	80
	3	460		23.9	28.0	40
	5	200 / 220	50	47.9	55.0	80
	6	380 / 415		23.9	28.0	40
HA - 13	2	208 / 230	60	55.5	60.0	70
	3	460		26.8	29.0	35
	5	200 / 220	50	55.5	60.0	70
	6	380 / 415		26.8	29.0	35
HA - 16	2	208 / 230	60	79.2	86.0	110
	3	460		39.6	43.0	50
	5	200 / 220	50	79.2	86.0	110
	6	380 / 415		39.6	43.0	50
HA - 20	2	208 / 230	60	91.3	99.0	125
	3	460		45.8	50.0	60
	5	200 / 220	50	91.3	99.0	125
	6	380 / 415		45.8	50.0	60
HA - 25	2	208 / 230	60	114.2	124.0	150
	3	460		52.6	57.0	70
	5	200 / 220	50	114.2	124.0	150
	6	380 / 415		52.6	57.0	70
HA - 30	2	208 / 230	60	141.4	148.0	150
	3	460		69.8	73.0	80
	5	200 / 220	50	141.4	148.0	150
	6	380 / 415		69.8	73.0	80
HA - 35	2	208 / 230	60	161.2	168.0	175
	3	460		80.4	84.0	90
	5	200 / 220	50	161.2	168.0	175
	6	380 / 415		80.4	84.0	90
HA - 40	2	208 / 230	60	172.8	180.0	200
	3	460		87.0	91.0	100
	5	200 / 220	50	172.8	180.0	200
	6	380 / 415		87.0	91.0	100
HA - 50	2	208 / 230	60	203.6	213.0	250
	3	460		93.8	98.0	110
	5	200 / 220	50	203.6	213.0	250
	6	380 / 415		93.8	98.0	110

HA guide specifications

Units shall be in accordance with the following specifications and capacities as shown on the plans.

UNIT PERFORMANCE

- Unit cooling capacities shall be in accordance with and tested to ARI standard 210/240-84 or 360-85.
- Units shall carry the ARI compliance sticker.
- Units shall be safety certified in accordance with UL Standard UL465.
- Unit shall be safety certified by an accredited testing laboratory.
- Unit shall be 100% run tested by the manufacturer with a copy of the run test report shipped with the unit.
- Unit shall be designed for high outside air temperature to 126°F (52°C).

UNIT CONSTRUCTION

- Unit shall be completely factory assembled, piped and wired.
- Unit shall be specifically designed for outdoor application with a fully weatherproof cabinet.
- Unit design shall be side discharge, side return.
- Cabinet shall be constructed entirely of G90 wt. galvanized metal with the exterior constructed of 18 gauge or heavier material.
- Access to compressor, controls, supply fan motor (except 4 & 5 ton), and other items needing periodic checking or maintenance shall be through hinged access doors with quarter turn latch (door fastening screws are not acceptable).
- Unit exterior shall be painted with polyurethane paint.
- Wiring shall be color coded and marked with a three digit identification on each end.
- The interior air side of the cabinet shall be entirely insulated on all exterior panels with 1" thick, three quarter pound density, neoprene coated, fiberglass insulation.
- Unit shall be provided with lifting - rigging lugs and have decals and tags to indicate unit lifting - rigging; also tags for indicating service areas and caution areas.
- Wiring diagrams shall be in color and marked to match the color and markings of the wires and shall be both "point-to-point" and "ladder" diagrams.
- Diagrams shall also be laminated in plastic and permanently fixed to the control compartment door.
- Installation and maintenance manuals shall be supplied with each unit.
- Unit shall be completely packaged with identification labels on the packaging.
- Unit exterior to be "Gray" in color.

OPTION

- Special coatings shall be on all coils and cabinet surfaces.

BLOWERS

- An adjustable V-belt drive shall be provided with a minimum rating of 140% of the motor nameplate brake horsepower when the adjustable pulley is at the minimum RPM. (except for the 4 & 5 ton models that are direct drive).
- Blowers, drives and motors shall be dynamically balanced.

CONDENSING SECTION

- The condensing section shall be equipped with direct drive, vertical discharge condenser fan(s).

EVAPORATOR COIL

- Evaporator coil(s) shall be copper tube with aluminum fins mechanically bonded to the tubes.
- Evaporator coils to have galvanized steel end casings.
- Evaporator coils to have equalizing type vertical tube distributors with a top suction connection.
- Evaporator coils for multi-compressor units shall be circuited with one circuit and expansion valve per compressor.

CONDENSER COIL

- Condenser coil(s) shall be copper tube with aluminum fins mechanically bonded to the tubes.
- Condenser coil(s) to be sized for a minimum of 10 degrees sub-cooling.

REFRIGERATION SYSTEM

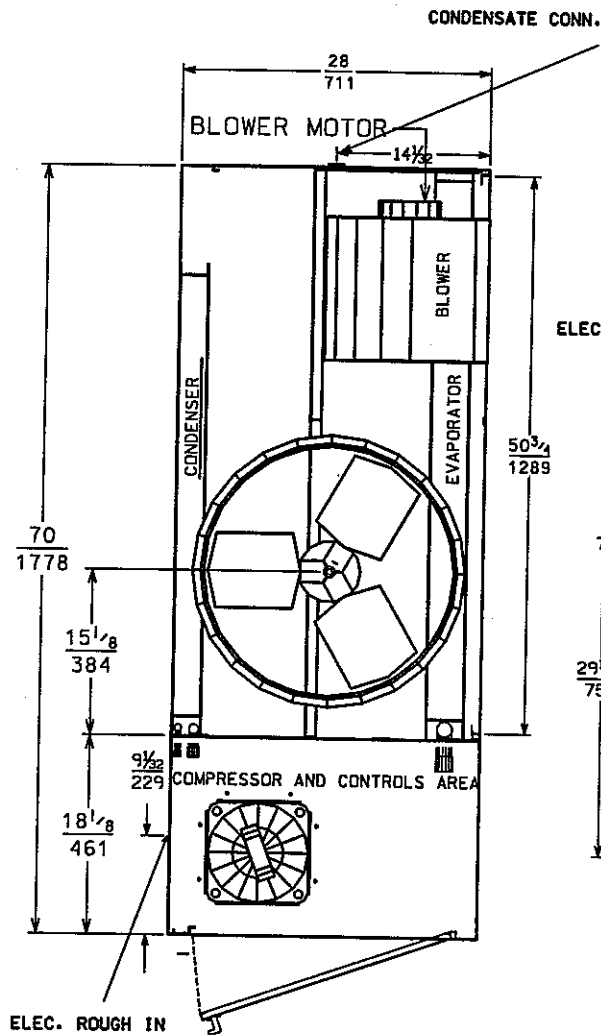
- Compressor(s) shall be of the hermetic scroll type with internal thermal overload protection and mounted on the compressor manufacturer recommended rubber vibration isolators.
- Compressor shall be mounted in an isolated compartment to permit operation of the unit without affecting air flow when the compressor compartment is open.
- System shall be equipped with thermostatic expansion valve type refrigerant flow control.
- System shall be equipped with automatic re-set low pressure and manual reset high pressure refrigerant controls.
- Unit shall be equipped with Schrader type service fittings on both the high side and low pressure sides of the system.
- Unit shall be equipped with refrigerant liquid line driers.
- Unit shall be fully factory charged with refrigerant R-22.

FILTERS

- Unit to be furnished with 2" pleated throw away return air filters (optional item on HA-4 and HA-5). Mounting kit is supplied with each unit. (field installed).

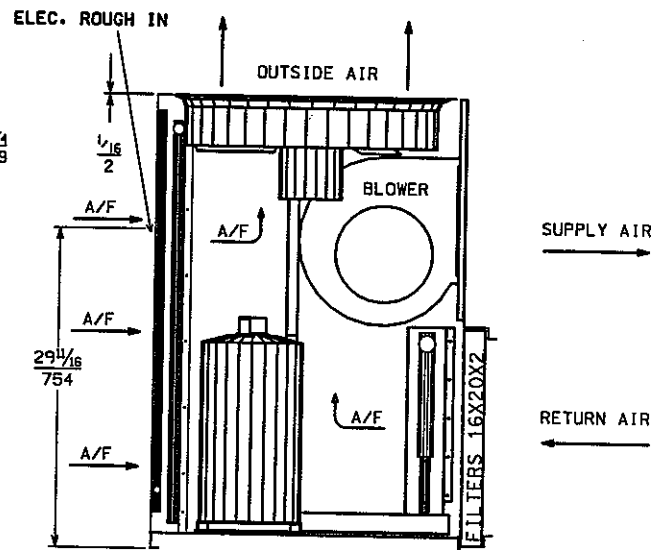
POWER OPTION

- Unit shall be available 50 Hz or 60 Hz rated operation.

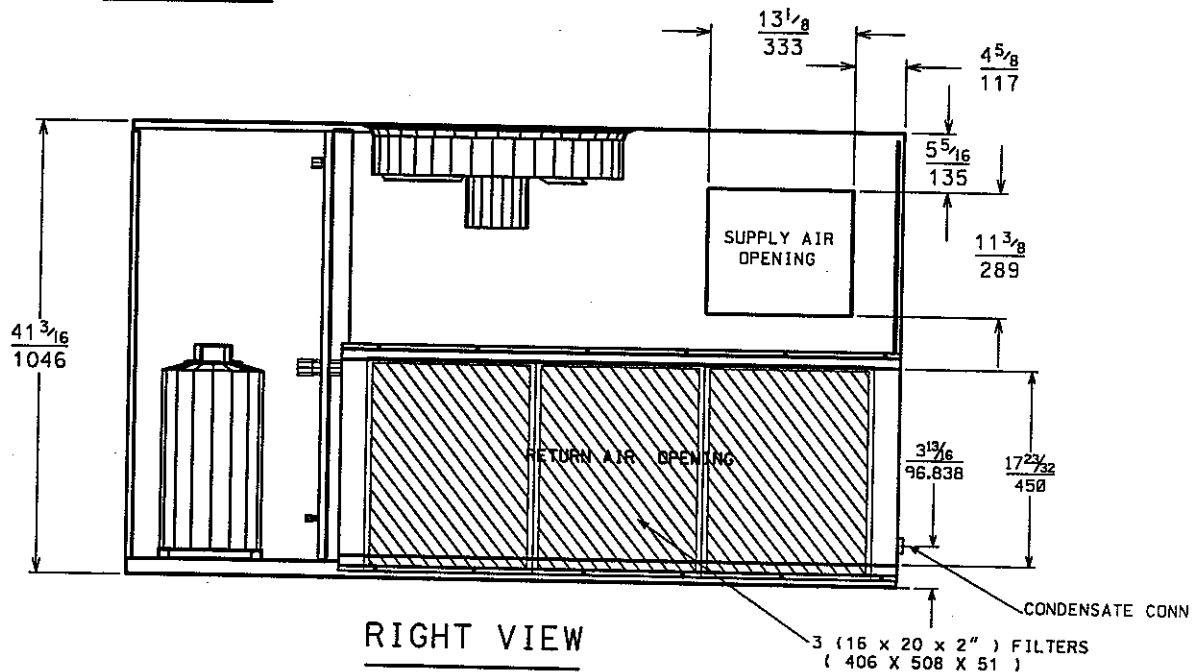


TOP VIEW

4-5 TON CLEARANCES	
	IN (mm)
FRONT (COMPRESSOR SIDE)	60 (1524)
BACK	48 (1219)
RIGHT SIDE (DUCT OPENING)	AS REQUIRED
LEFT (CONDENSER SIDE)	60 (1524)
TOP	UNOBSTRUCTED



FRONT VIEW



RIGHT VIEW

NOTES:

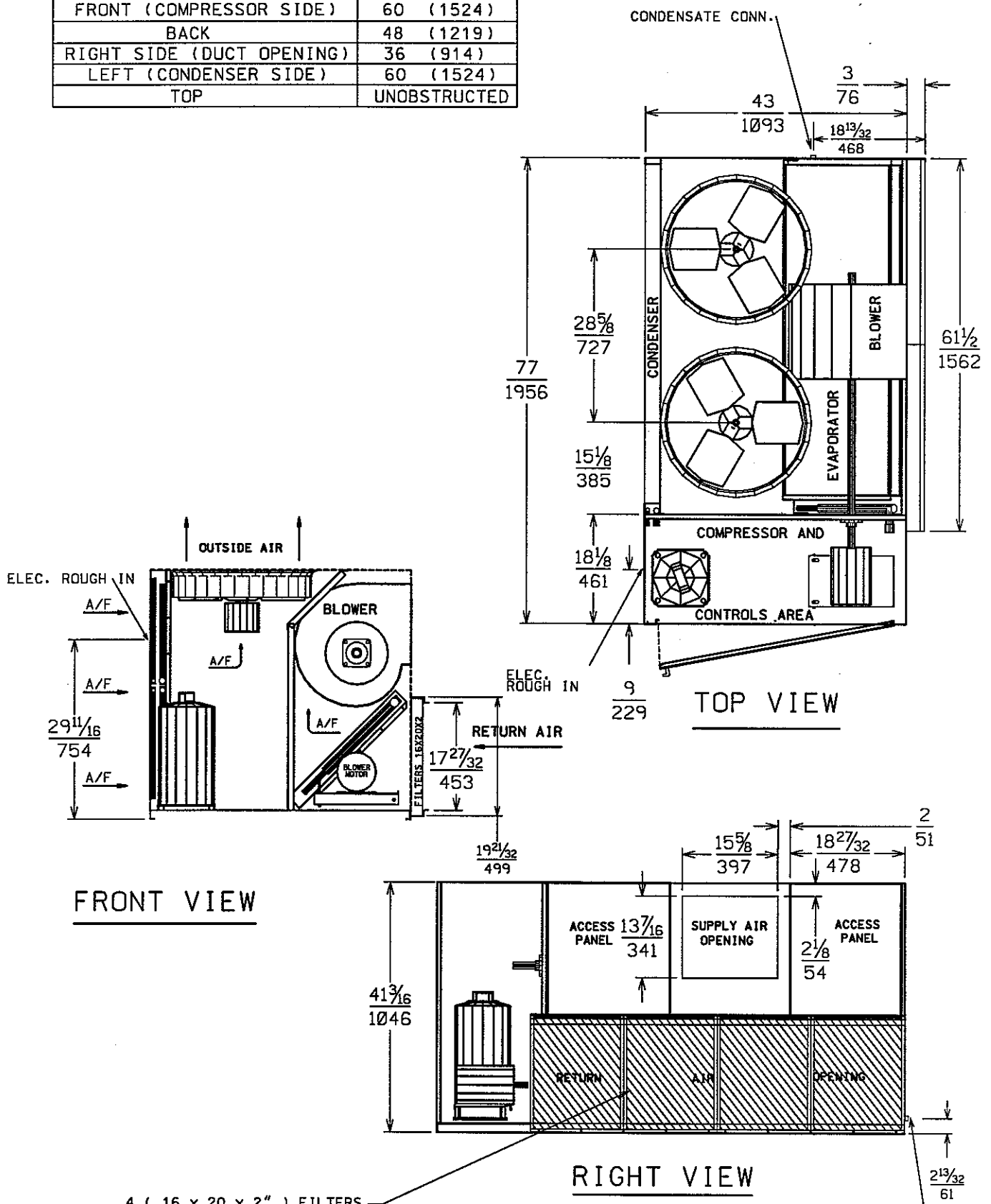
1. ALL DIMENSIONS ARE IN INCHES.
MM
2. ALL DIMENSIONS ARE APPROXIMATE.

AAON, INC.

2425 S. YUKON

TULSA, OKLA.

7-10 TON CLEARANCES	IN (mm)
FRONT (COMPRESSOR SIDE)	60 (1524)
BACK	48 (1219)
RIGHT SIDE (DUCT OPENING)	36 (914)
LEFT (CONDENSER SIDE)	60 (1524)
TOP	UNOBSTRUCTED



4 (16 x 20 x 2") FILTERS
(406 x 508 x 51)

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
MM
2. ALL DIMENSIONS ARE APPROXIMATE.

CONDENSATE CONN. 16 407 3 76 43 1092

35 $\frac{7}{16}$ 900

119 $\frac{3}{8}$ 3032

35 $\frac{7}{16}$ 900

15 $\frac{3}{16}$ 386

18 $\frac{3}{16}$ 462

9 229

CONDENSER

EVAPORATOR

BLOWER

BLOWER

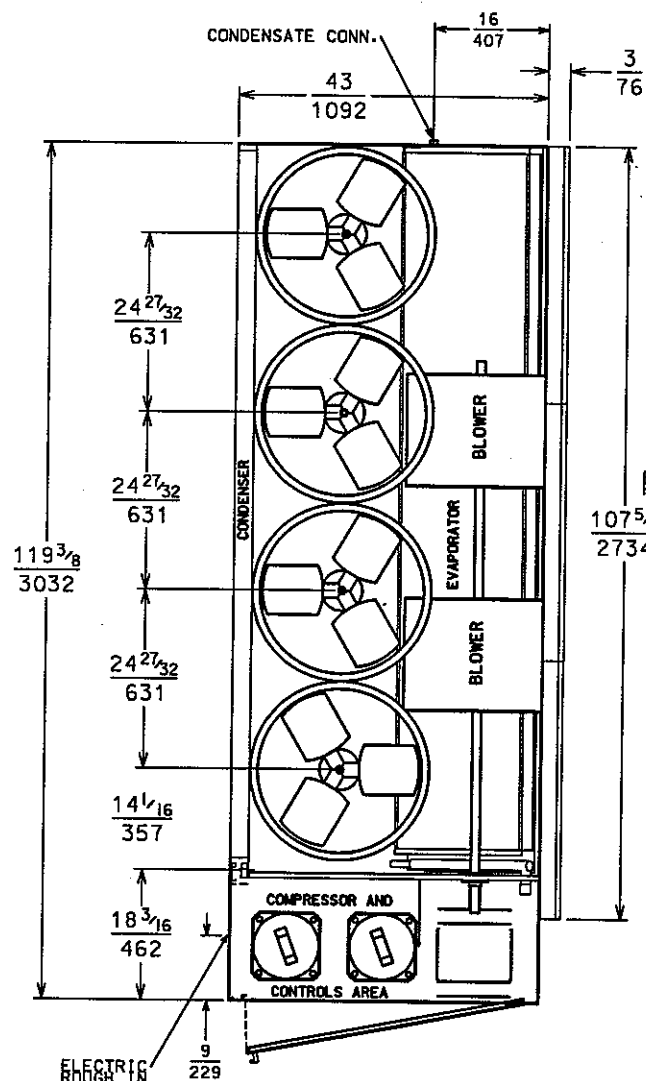
COMPRESSOR AND

CONTROLS AREA

ELECTRIC REFRIG. IN

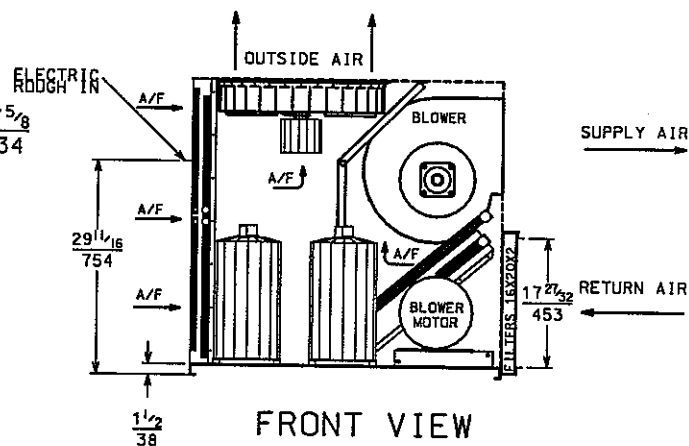
1075 2734



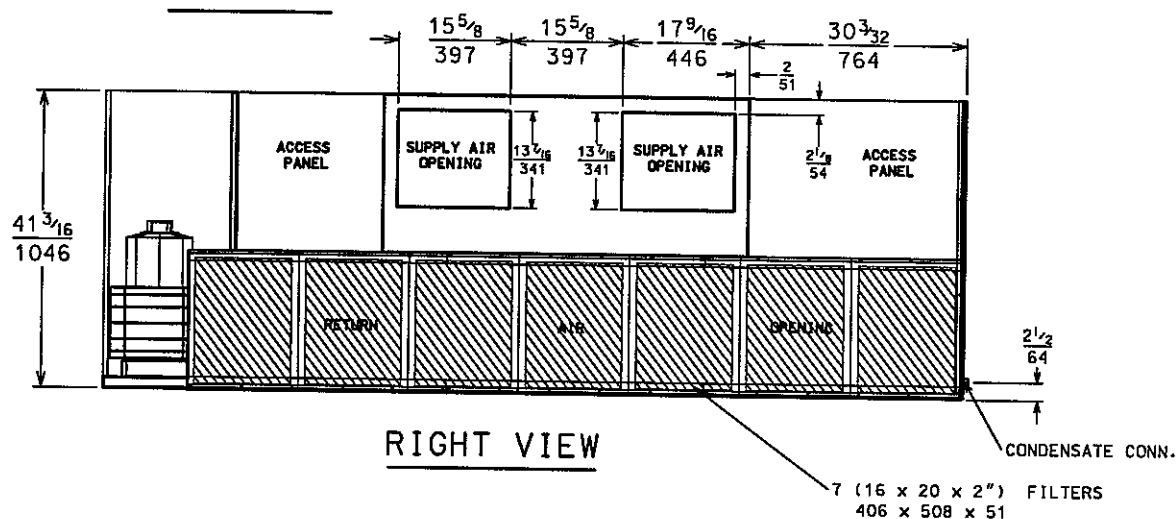


TOP VIEW

20/25 TON CLEARANCES	IN (mm)
FRONT (COMPRESSOR SIDE)	60 (1524)
BACK	48 (1219)
RIGHT SIDE (DUCT OPENING)	36 (914)
LEFT (CONDENSER SIDE)	60 (1524)
TOP	UNOBSTRUCTED



FRONT VIEW



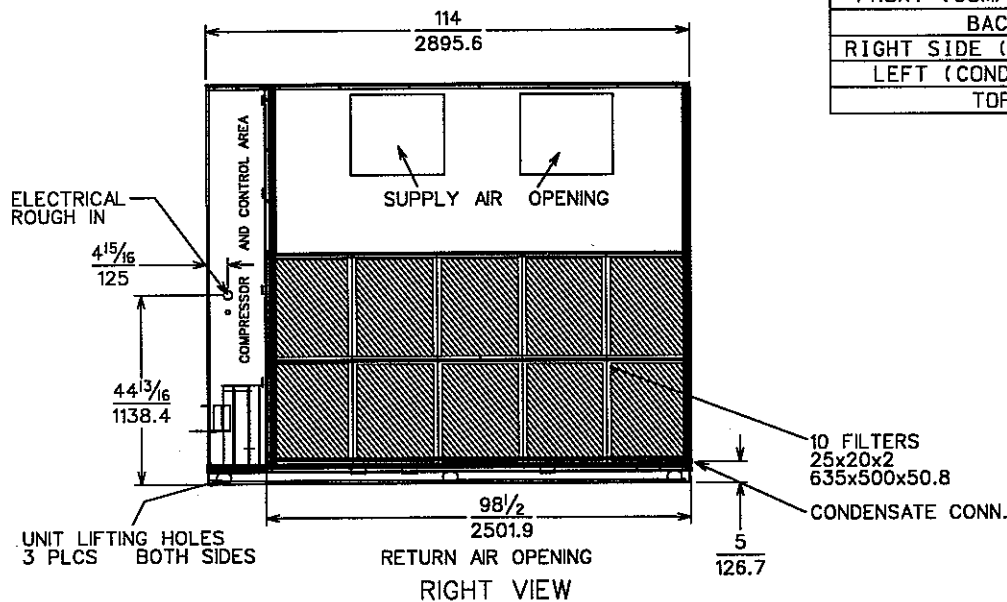
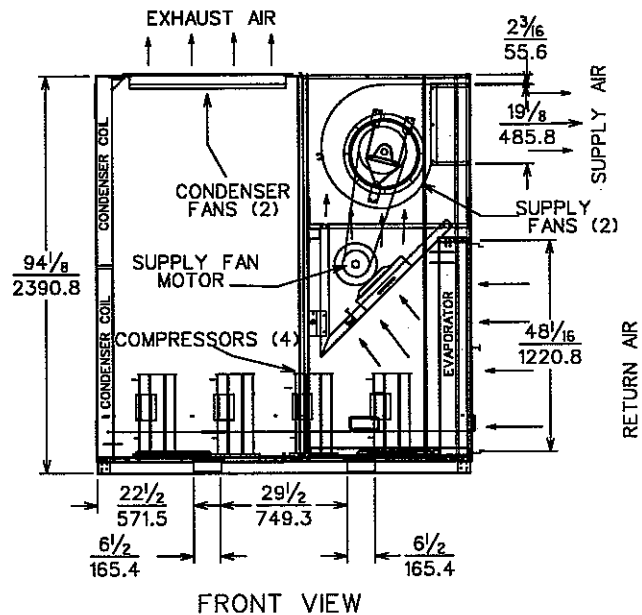
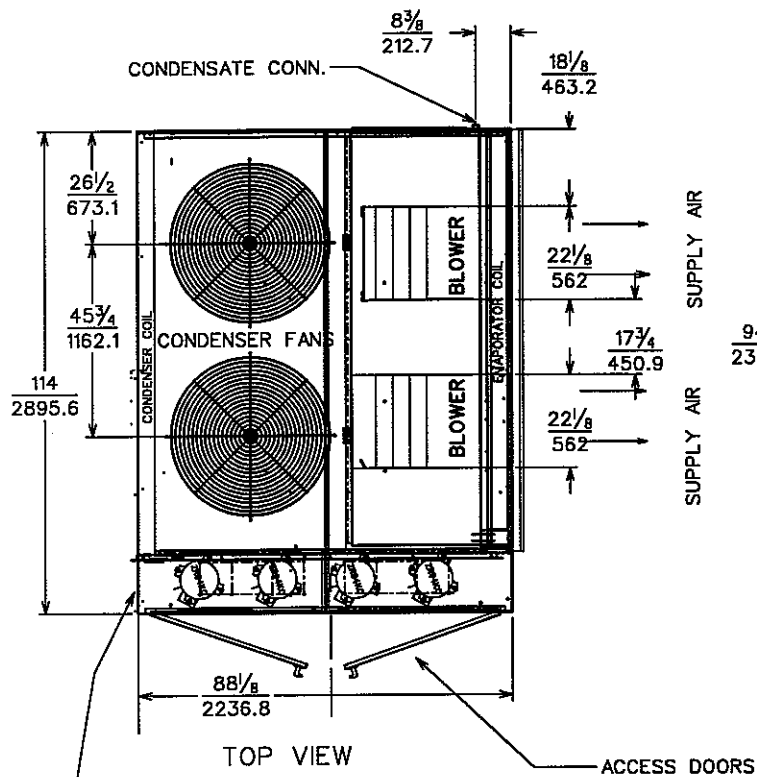
RIGHT VIEW

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
MM
2. ALL DIMENSIONS ARE APPROXIMATE.
3. FILTER DIMENSIONS (IN MM) ARE 406X508X51.
20X16XX2"

AAON, INC.

date 2425 S. YUKON TULSA, OKLA.
7/28/98 CATALOG DRAWING HA 20 & 25 TON



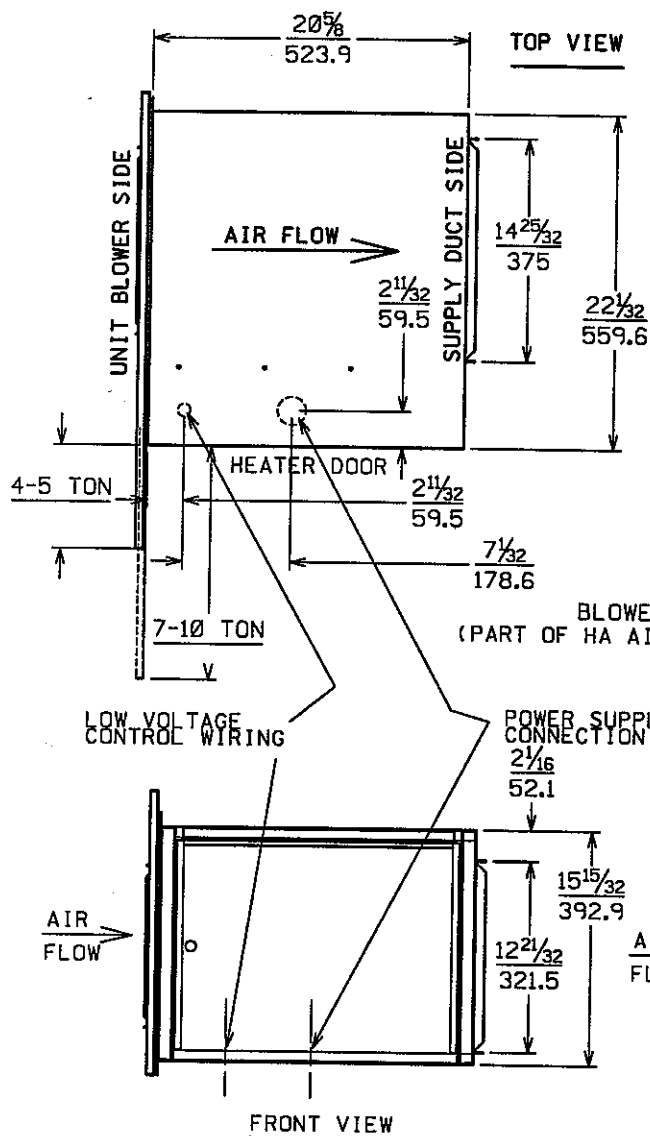
30/50 TON CLEARANCES	IN (mm)
FRONT (COMPRESSOR SIDE)	60 (1524)
BACK	60 (1524)
RIGHT SIDE (DUCT OPENING)	36 (914)
LEFT (CONDENSER SIDE)	60 (1524)
TOP	UNOBSTRUCTED

NOTES:

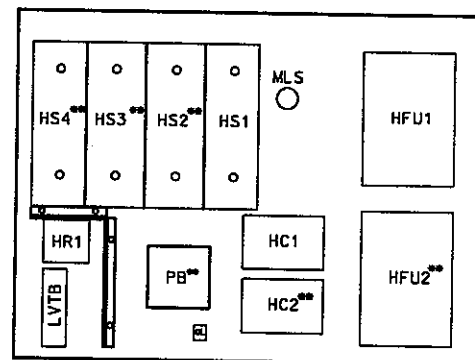
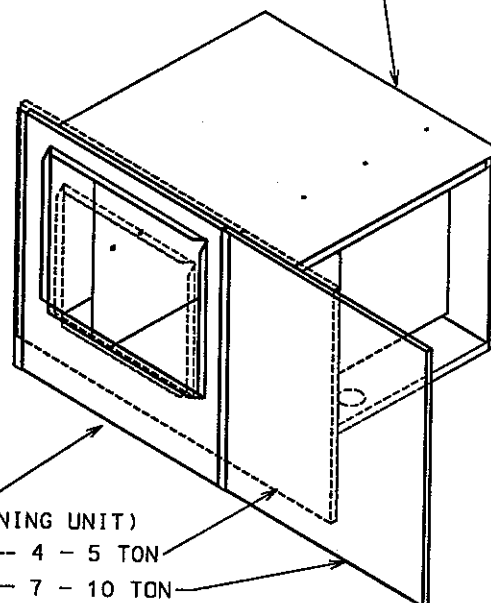
1. ALL DIMENSIONS ARE IN INCHES.
MM
2. ALL DIMENSIONS ARE APPROXIMATE.

AAON, INC.

date 2425 S. YUKON TULSA, OKLA.
7/28/98 CATALOG DRAWING HA 30 - 50 TON



ELECTRIC HEATER
(DOOR NOT SHOWN FOR CLARITY)



NOTES:

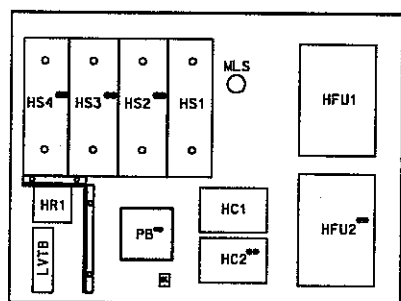
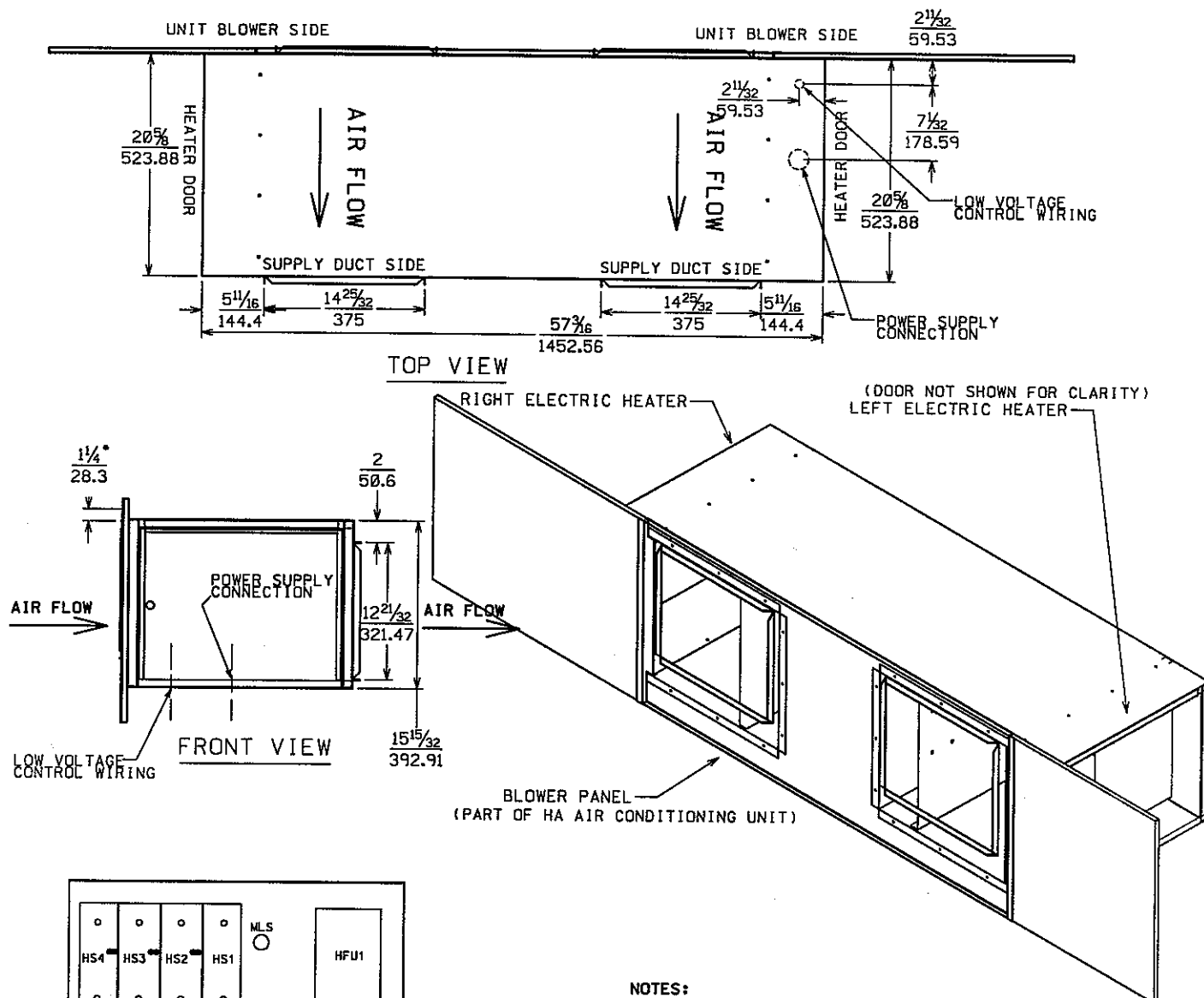
1. WHEN ATTACHING HEATER TO THE A/C UNIT, ENSURE PROPER SEAL (USE SILICONE) BETWEEN BLOWER PANEL AND HEATER. USE SELF TAPPING SHEETMETAL SCREWS.
2. POSITION HEATER WITH THE DOOR FACING FRONT OF THE A/C UNIT.
3. ALL DIMENSIONS SHOWN ARE IN INCHES/MM.
4. ELECTRICAL POWER TO THE HEATER SHOULD BE BROUGHT IN THROUGH THE HOLES PROVIDED IN THE BOTTOM.
5. USE THE LARGER HOLE ON THE BOTTOM FOR MAIN (HIGH VOLTAGE) POWER, AND THE SMALLER HOLE FOR LOW VOLTAGE POWER.
6. FOR ABBREVIATIONS OF CONTROLS REFER TO THE CONTROL LEGEND.
7. RUN WIRE FROM 'G' OF CONTROLLER (THERMOSTAT) TO 'GI' OF HEATER.
8. RUN WIRE FROM 'GO' OF HEATER TO 'G' OF A/C UNIT.
9. RUN WIRE FROM 'W1' OF CONTROLLER TO 'W1' OF HEATER.
10. RUN WIRES FROM 'R' & 'E' FROM A/C UNIT TO 'R' & 'E' ON THE HEATER.

CONTROLS LAYOUT

LEGEND

LVTB - LOW VOLTAGE TERMINAL BLOCK
PB - POWER BLOCK
HR1 - HEAT RELAY
HS* - HEAT STRIP
HC* - HEATER CONTACTOR
HFU* - HEAT FUSE
GL - GROUNDING LUG
MLS - MAIN LIMIT SWITCH
** - OPTIONAL

drawn by:	AAON, INC.		
ECR	2425 S. YUKON	TULSA, OKLA.	
checked by:	TYPICAL		
	HEATER ASSEMBLY INSTRUCTIONS		
	HA 4-10 TON SINGLE BLOWER UNITS		
approved by:			
date	DWG. No.		REV.
08/11/98	D190318-001		NEW



CONTROLS LAYOUT

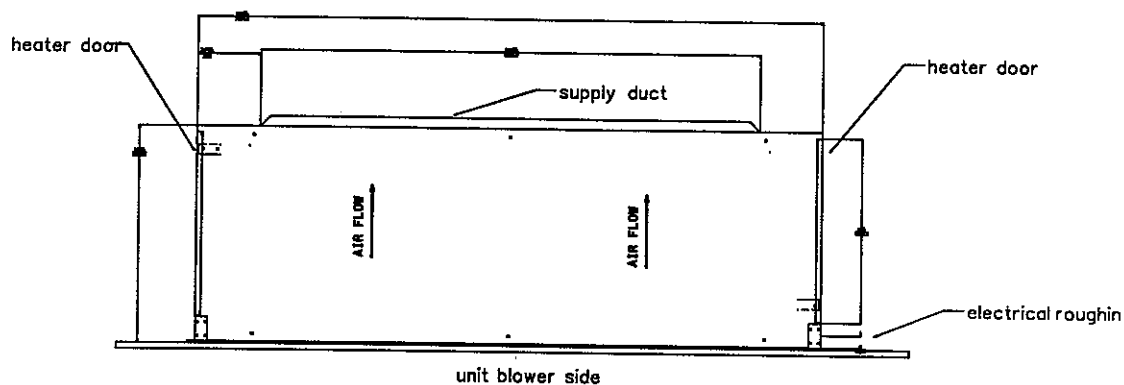
LEGEND

- LVTB - LOW VOLTAGE TERMINAL BLOCK
- PB - POWER BLOCK
- HR1 - HEAT RELAY
- HS* - HEAT STRIP
- HC* - HEATER CONTACTOR
- HFU* - HEAT FUZE
- MLS - MAIN LIMIT SWITCH
- GL - GROUNDING LUG
- ** - OPTIONAL

NOTES:

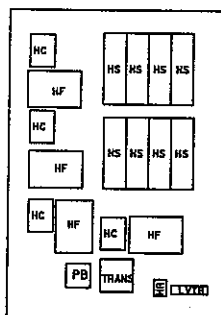
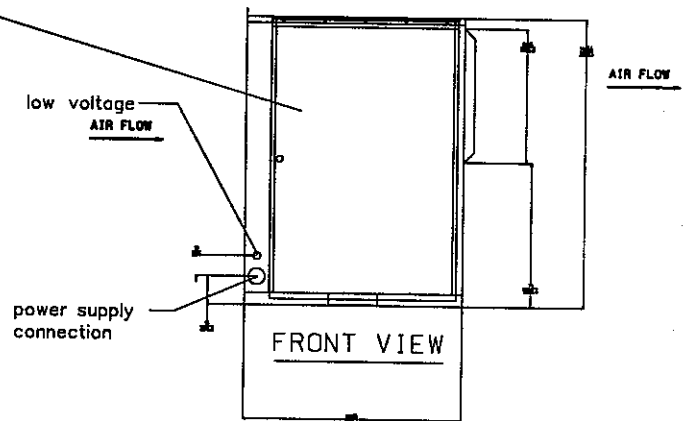
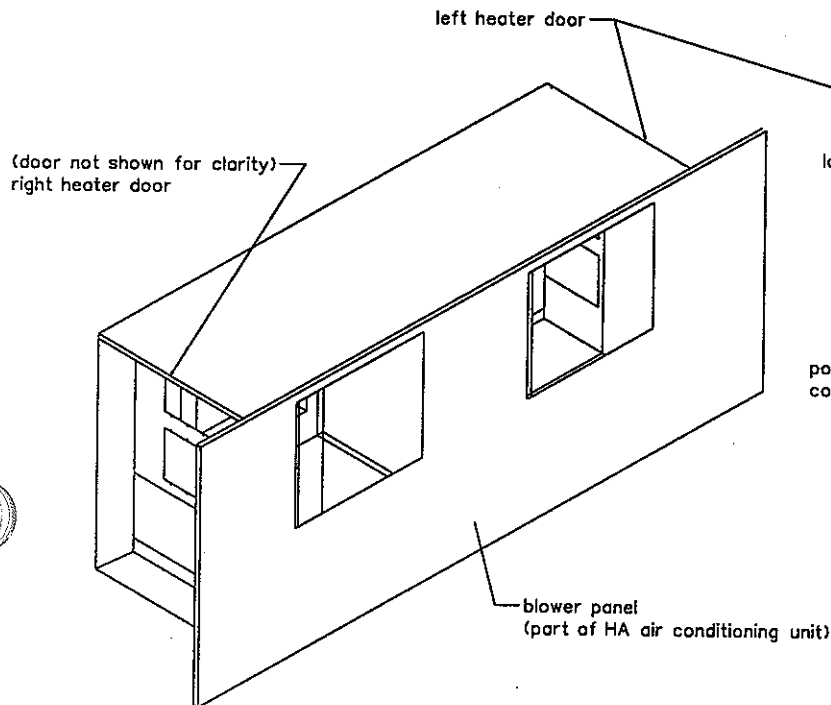
1. WHEN ATTACHING HEATER TO THE A/C UNIT, ENSURE PROPER SEAL (USE SILICONE) BETWEEN BLOWER PANEL AND HEATER. USE SELF TAPPING SHEETMETAL SCREWS.
2. POSITION THE LEFT HEATER WITH THE DOOR FACING FRONT OF THE A/C UNIT, AND THE RIGHT HEATER DOOR FACING REAR OF THE A/C UNIT.
3. ALL DIMENSIONS SHOWN ARE IN INCHES.
4. ELECTRICAL POWER TO THE HEATER SHOULD BE BROUGHT IN THROUGH THE HOLES PROVIDED IN THE BOTTOM.
5. USE THE LARGER HOLE ON THE BOTTOM FOR MAIN (HIGH VOLTAGE) POWER, AND THE SMALLER HOLE FOR LOW VOLTAGE POWER.
6. FOR ABBREVIATIONS OF CONTROLS REFER TO THE CONTROL LEGEND.
7. RUN WIRE FROM 'G' OF CONTROLLER (THERMOSTAT) TO 'GI' OF HEATER.
8. RUN WIRE FROM 'GO' OF HEATER TO 'G' OF A/C UNIT.
9. RUN WIRE FROM 'W1' OF CONTROLLER TO 'W1' OF HEATER.
10. RUN WIRES FROM 'R' & 'E' FROM A/C UNIT TO 'R' & 'E' ON THE HEATER.

drawn by:	AAON, INC.		
checked by:	TYPICAL		
approved by:	HEATER ASSEMBLY INSTRUCTIONS		
	HA 13-25 TON DOUBLE BLOWER UNITS		
date	DWG. No.		REV.
8/98	D190319-001		NEW



unit blower side

TOP VIEW



CONTROLS LAYOUT

LEGEND

LVTB - LOW VOLTAGE TERMINAL BLOCK
 PB - POWER BLOCK
 HR - HEAT RELAY
 HS - HEAT STRIP
 HC - HEATER CONTACTOR
 HF - HEAT FUSE
 TRANS - TRANSFORMER

NOTES:

1. WHEN ATTACHING HEATER TO THE A/C UNIT, ENSURE PROPER SEAL (USE SILICONE) BETWEEN BLOWER PANEL AND HEATER. USE SELF TAPPING SHEETMETAL SCREWS.
2. POSITION THE LEFT HEATER WITH THE DOOR FACING FRONT OF THE A/C UNIT, AND THE RIGHT HEATER DOOR FACING REAR OF THE A/C UNIT.
3. ALL DIMENSIONS SHOWN ARE IN INCHES/MM.
4. ELECTRICAL POWER TO THE HEATER SHOULD BE BROUGHT IN THROUGH THE HOLES PROVIDED IN THE SIDE.
5. USE THE LOWER, LARGER HOLE FOR MAIN (HIGH VOLTAGE) POWER, AND THE SMALLER HOLE FOR LOW VOLTAGE POWER.
6. FOR ABBREVIATIONS OF CONTROLS REFER TO THE CONTROL LEGEND.
7. RUN WIRE FROM 'G' OF CONTROLLER (THERMOSTAT) TO 'G1' OF HEATER.
8. RUN WIRE FROM 'GO' OF HEATER TO 'G' OF A/C UNIT.
9. RUN WIRE FROM 'W1' OF CONTROLLER TO 'W1' OF HEATER.
10. RUN WIRES FROM 'R' & 'E' FROM A/C UNIT TO 'R' & 'E' ON THE HEATER.

drawn by:	AAON, INC.		
ECR	2425 S. YUKON	TULSA, OKLA.	
checked by:	TYPICAL		
	HEATER ASSEMBLY INSTRUCTIONS		
	HA 30-50 TON DOUBLE BLOWER UNITS		
approved by:			
	date	DWG. No.	REV.
	8/98	D190320-001	NEW



AAON

INCORPORATED

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HA Horizontal Discharge Cooling Units 4 to 50 tons