

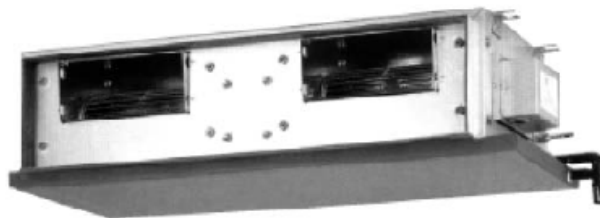


SPLIT SYSTEM AIR CONDITIONERS UP TO 13 EER / 1½ TO 3½ TONS

COOLING CAPACITY: 18,000 - 42,000 BTU/H



RR**AVAK9
(DX16SA**XM)



FDMRN**AVAK

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■ Standard Features

- R-410A chlorine-free refrigerant
- High-efficiency Copeland® scroll compressor
- High-density foam compressor sound blanket
- Advanced Copeland CoreSense™ technology
- Factory-installed filter drier
- Copper tube / enhanced aluminum fin coil
- Sweat connection service valves with easy access to gauge ports

■ Cabinet Features

- Grille-style sound control top design
- Custom Nickel Gray powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Rust-resistant coated screws
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



	D	X	16	S	A	036	3	XM	A	
	1	2	3,4	5	6	7,8,9	10	11,12	13,14	
Brand										Engineering *
D - Daikin										Major / Minor revisions
										* Not used for order entry or inventory management.
Type										Export Region
X - AC R-410A										XA Asia-Pacific
Z - HP R-410A										XL Latin America
										XC China
										XM Middle East
										XE European Union
										XN European Union (Non-ROHS)
SEER										Voltage
13 - 13 SEER										1 - 208/230 V Single-Phase 60 Hz
14 - 14 SEER										2 - 220/240 V Single-Phase 50 Hz
16 - 16 SEER										3 - 208/230 V Three-Phase 60 Hz
										4 - 460 V Three-Phase 60 Hz
										5 - 380/415 V Three-Phase 50 Hz
Compressor										Tonnage Nominal
S - Single Stage										018 - 1½ tons
R - Three Stage										042 - 3½ tons
T - Two Stage										024 - 2 tons
V - Variable Speed										048 - 4 tons
D - Tandem										030 - 2½ tons
										060 - 5 tons
										036 - 3 tons
										061 - 5 tons (hi-capacity)
Feature Set										
A - Base										S - Special
C - ComfortNet 4-Wire Ready										E - Export
L - ComfortNet Lite										N - Nominal
D - Deluxe										

NOMENCLATURE CONVERSION TABLE

DAIKIN USA MODEL	DAIKIN GLOBAL MODEL
DX16SA0181XM	RR20AVAK9
DX16SA0241XM	RR25AVAK9
DX16SA0301XM	RR30AVAK9
DX16SA0361XM	RR36AVAK9
DX16SA0421XM	RR42AVAK9

GENERAL

Units shall be factory-assembled including Coil, Compressor, Fan Motor, Liquid-Line Filter/Drier, and controls in cabinet. Units shall be fully charged with R410-A, tested and rated in accordance to ISO13253.

CONDENSER & EVAPORATOR COIL

Condenser coil shall be made of seamless rifled copper tubes mechanically bonded to corrugated Blue PE Coated Aluminum Fins to ensure optimum heat transfer. All coils shall be tested and inspected for leak, blocked circuits or restrictions. All coils shall be tested against Nitrogen holding at 450 psi and highly precise Helium leak test at 235 psi.

COMPRESSOR

Compressor shall have the following standard features:

- High-efficiency scroll compressor uses chlorine-free R-410A refrigerant
- Motor, scroll and bearing design minimizes annual energy consumption
- Variable volume ratio adjusts the scroll compression ratio for improved low condensing performance
- Vapor injection increases system capacity by 50% and efficiency by 20% on average at low temperature rating condition
- Design features axial and radial compliance for improved liquid-handling capability
- Hermetic design to reduce the potential for leaks.

EVAPORATOR FAN & MOTOR

Evaporator fan shall be double width, double inlet (DWDI), forward curved, and centrifugal type. It shall be mechanically and dynamically balanced and direct driven by fan motor as standard. Fan motor shall be permanently lubricated type with internal thermal protection. Permanent split capacitor type shall be used to ensure higher efficiency operation.

CONDENSER FAN & MOTOR

Condenser fan shall be of propeller type, direct-driven by a single-phase induction motor. The fan motors shall be permanently lubricated type with internal thermal protection. Permanent split capacitor type shall be used to ensure higher efficiency operation.

REFRIGERANT CIRCUIT

Each refrigerant circuit shall be equipped with expansion device in the evaporator or condenser.

CONDENSER & EVAPORATOR CASING

Condenser casing shall be constructed of galvanized mild steel with TGIC - Polyester powder coating, while evaporator casing shall be constructed of galvanized mild steel with zinc coating.

FILTERS

Filters shall be fabricated from polypropylene and washable type. It shall be easily accessible from the rear of the unit. A 16mm filter rail shall be provided as standard in instances where field-supplied filter casement need to be installed.

INSULATION

All possible area of condensation shall be insulated with Polyethylene. The insulation thickness varies from 5-10mm depending on the condensation area.

DOUBLE-PROTECTION DRAINAGE SYSTEM

The primary drain pan shall be designed with high thermal insulation material and molded in gradient for better condensate water drainage. The extra secondary drain pan shall be "built-in" and made of galvanized mild steel with insulation to standard unit to offer extra protection against possible water leaking problems.

Note: Not applicable for FDM30/40JEV1K

CONTROL

Standard unit shall be microprocessor-controlled and supplied with a simple and user-friendly wired handset with LCD Display, fan speed control, seven-day programmable timer and error code display as standard.

FIELD WIRING INSTALLATION

Condenser shall be fitted with factory-assembled contactors and relays for field-wiring installation.

AUTO RANDOM RESTART WITH LAST-STATE MEMORY

In the event of a sudden power failure during operation, unit shall be automatically restarted between 180s – 224s in different recovery timing patterns. The unit will operate based on the previous setting (operating mode, temperature setting and fan speed). This ensures that air conditioners in the same building resume control randomly instead of turning on at the same time, preventing power surge after a blackout.

MODELS			OUTDOOR MODELS		RR20AVAK9 (DX16SA0181XM)	RR25AVAK9 (DX16SA0241XM)	RR30AVAK9 (DX16SA0301XM)	RR36AVAK9 (DX16SA0361XM)	RR42AVAK9 (DX16SA0421XM)
			INDOOR MODELS		FDMRN20AVAK	FDMRN25AVAK	FDMRN30AVAK	FDMRN36AVAK	FDMRN42AVAK
Nominal Cooling Capacity ¹			BTU/h	18,000	23,000	28,000	34,000	39,000	
			kW	5.27	6.74	8.20	9.96	11.43	
Nominal Cooling Capacity ²			BTU/h	16,500	21,000	24,000	29,000	33,000	
			kW	4.83	6.15	7.03	8.50	9.67	
Nominal Total Input Power ¹ EER ³			W	1,385	1,769	2,154	2,615	3,120	
			BTU/Wh	13.0	13.0	13.0	13.0	12.5	
Refrigerant	Expansion Device		Kg	Outdoor Flowrator					
	Type			Piston	Piston	Piston	Piston	Piston	
	Charge			2.22	1.74	2.01	2.38	2.81	
Voltage/ Phase/ Hz				230/ 1/ 60	230/ 1/ 60	230/ 1/ 60	230/ 1/ 60	230/ 1/ 60	
INDOOR UNIT	Control		Air Discharge	Ducted	Ducted	Ducted	Ducted	Ducted	
	Airflow		H/ M/ L	CFM	800/ 720/ 650	1000/ 880/ 765	1300/ 1180/ 1070	1550/ 1430/ 1310	1550/ 1430/ 1310
	External Static Pressure		H/ M/ L	Pa	40/ 32/ 27	40/ 30/ 23	40/ 32/ 26	60/ 50/ 42	60/ 50/ 42
	Sound Pressure Level		H/ M/ L	dBA	34/ 32/ 30	38/ 35/ 32	42/ 41/ 38	44/ 43/ 41	44/ 43/ 41
	Unit Dimension		Height	mm	378	378	378	378	378
			Width	mm	1,045	1,045	1,045	1,299	1,299
			Depth	mm	541	541	541	541	541
	Unit Packing Dimension		Height	mm	415	415	415	415	415
			Width	mm	1,245	1,245	1,245	1,497	1,497
			Depth	mm	631	631	631	631	631
	Unit Weight		kg	44	44	44	50	50	
	Panel Weight		kg	NA	NA	NA	NA	NA	
	Condensate Drain Size		mm	19.1	19.1	19.1	19.1	19.1	
	Fan	Type Drive			Sirocco Direct	Sirocco Direct	Sirocco Direct	Sirocco Direct	Sirocco Direct
	Fan Motor	Type		W A W	DC Brushless	DC Brushless	DC Brushless	DC Brushless	DC Brushless
		Index of Protection (IP)			20	20	20	20	20
		Insulation Grade			B	B	B	B	B
		Rated Input Power			85	135	215	270	270
		Rated Running Current			0.86	1.28	1.91	2.37	2.37
		Motor Output			375	375	375	560	560
		Poles			10	10	10	10	10
	Coil	Tube	Material		Copper/ Inner Groove				
			Diameter	mm	7	7	7	7	7
		Fin	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
			Face Area Row	m² 3	0.3 3	0.3 3	0.3 3	0.39 3	0.39 3
	Air Quality	Filter	Type Quantity	pc	Washable Saranet Filter 2	Washable Saranet Filter 2	Washable Saranet Filter 2	Washable Saranet Filter 2	Washable Saranet Filter 2
	Casing			Color	Without Paint	Without Paint	Without Paint	Without Paint	Without Paint

¹ Gross capacity based on 27/19°C id db/wb & 35°C od db (high fan)

² Gross capacity based on 29/19°C id db/wb & 46°C od db (high fan)

³ EER is calculated based on gross capacity.

Notes

- Always check the S&R plate for electrical data on the unit being installed
- Unit is charged with refrigerant for 15 feet of ¾ inch liquid line. System charge must be adjusted per installation instructions final charge procedure.
- Wire size should be determined in accordance with national electrical codes.

MODELS			OUTDOOR MODELS		RR20AVAK9 (DX16SA0181XM)	RR25AVAK9 (DX16SA0241XM)	RR30AVAK9 (DX16SA0301XM)	RR36AVAK9 (DX16SA0361XM)	RR42AVAK9 (DX16SA0421XM)	
			INDOOR MODELS		FDMRN20AVAK	FDMRN25AVAK	FDMRN30AVAK	FDMRN36AVAK	FDMRN42AVAK	
Nominal Cooling Capacity ¹			BTU/h kW	18,000 5.27	23,000 6.74	28,000 8.20	34,000 9.96	39,000 11.43		
Nominal Cooling Capacity ²			BTU/h kW	16,500 4.83	21,000 6.15	24,000 7.03	29,000 8.50	33,000 9.67		
Nominal Total Input Power ¹ EER ³			W BTU/Wh	1,385 13.0	1,769 13.0	2,154 13.0	2,615 13.0	3,120 12.5		
Refrigerant		Expansion Device			Outdoor Flowrator					
		Type			Piston	Piston	Piston	Piston	Piston	
		Charge			2.22	1.74	2.01	2.38	2.81	
Voltage/ Phase/ Hz				230/ 1/ 60	230/ 1/ 60	230/ 1/ 60	230/ 1/ 60	230/ 1/ 60		
OUTDOOR UNIT	Airflow		CFM	1,300	1,700	2,200	2,600	3,000		
	Sound Pressure Level			71.5	71.5	71.5	71.5	73		
	Unit Dimension			H x W x D	mm	820 X 737 X 737	820 X 737 X 737	921 X 737 X 737	972 X 737 X 737	921 X 902 X 902
	Packing Dimension			H x W x D	mm	877 X 750 X 750	877 X 750 X 750	978 X 750 X 750	1067 X 750 X 750	978 X 750 X 750
	Unit Weight			kg	74	74	76	82	104	
	Pipe			Type	Flare	Flare	Flare	Flare	Flare	
	Connection		Size	Liquid ⁴	mm	9.52	9.52	9.52	9.52	9.52
				Gas	mm	19.05	19.05	22.23	22.23	22.23
	Fan		Type			Propeller	Propeller	Propeller	Propeller	Propeller
			Drive			Direct	Direct	Direct	Direct	Direct
	Fan Motor		Type		AC	AC	AC	AC	AC	
			Index of Protection (IP)		44	44	44	44	44	
			Insulation Class		B	B	B	B	B	
			Rated Input Power		W	124	152	177	221	258
			Rated Running Current		A	0.57	0.70	0.81	1.01	1.18
			Poles		8	8	8	8	8	
	Compressor		Type		Scroll	Scroll	Scroll	Scroll	Scroll	
			Oil Type		POE	POE	POE	POE	POE	
			Oil Amount		cm³	700	700	700	700	
			Rated Input Power (Cooling)		W	1,242	1,526	1,820	2,243	2,617
			Rated Running Current (Cooling)		A	5.68	6.98	8.33	10.27	11.98
			Locked Rotor Amp		A	46	58.3	64	77	109
			RLA			9.0	13.4	12.8	14.1	16.7
			Tube		Material	mm	Copper	Copper	Copper	Copper
	Fin		Diameter		5.00	5.00	5.00	5.00	5.00	
Material			Aluminum	Aluminum	Aluminum	Aluminum	Aluminum			
Face Area			1.6	1.6	1.8	2.0	2.3			
Piping lengths		Row		m²	1	1	1	1		
		Chargeless		m	25	25	25	25		
		Height (Max)		m	30	30	30	30		
Additional Refrigerant Charge		Length (Max)		m	70	70	70	70		
				g/m	15	15	15	15		
Operating Range		Max (Cooling)	CDB	54	54	54	54	54		

¹ Gross capacity based on 27/19°C id db/wb & 35°C od db (high fan)

² Gross capacity based on 29/19°C id db/wb & 46°C od db (high fan)

³ EER is calculated based on gross capacity.

Notes

- Always check the S&R plate for electrical data on the unit being installed
- Unit is charged with refrigerant for 15 feet of 3/8 inch liquid line. System charge must be adjusted per installation instructions final charge procedure.
- Wire size should be determined in accordance with national electrical codes.

INDOOR				OUTDOOR TEMPERATURE																									
AIRFLOW (CFM)	ESP (Pa)	HIGH SPEED	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)									
				TC	SC	PI	KW	MBH	KW	MBH	TC	SC	PI	KW	MBH	KW	MBH	TC	SC	PI	KW	MBH	KW	MBH					
400	75	16°C (61°F)	21°C	70°F	5.05	17.24	0.87	2.95	1.20	4.83	16.48	0.91	3.11	1.35	4.56	15.57	0.95	3.24	1.51	4.26	14.55	1.12	3.83	1.74	4.11	14.04	4.11	14.04	2.02
			24°C	75°F	5.05	17.25	1.53	5.21	1.20	4.83	16.49	1.54	5.27	1.35	4.56	15.58	1.55	5.28	1.51	4.26	14.56	4.27	14.56	1.74	4.11	14.05	4.12	14.05	2.02
			27°C	81°F	5.09	17.39	2.30	7.86	1.20	4.87	16.63	4.88	16.63	1.35	4.60	15.72	4.61	15.72	1.51	4.30	14.70	4.31	14.70	1.74	4.15	14.19	4.16	14.19	2.02
			30°C	86°F	5.19	17.74	5.20	17.74	1.21	4.97	16.98	4.98	16.98	1.35	4.71	16.07	4.71	16.07	1.51	4.40	15.04	4.41	15.04	1.74	4.26	14.53	4.26	14.53	2.03
		24°C	75°F	5.21	17.80	0.80	2.71	1.20	4.99	17.05	0.85	2.89	1.34	4.72	16.14	0.89	3.05	1.50	4.42	15.11	1.08	3.69	1.73	4.27	14.60	1.64	5.58	2.02	
		27°C	81°F	5.26	17.95	1.59	5.43	1.20	5.03	17.19	1.61	5.50	1.34	4.77	16.28	1.62	5.52	1.50	4.47	15.25	1.76	6.01	1.73	4.32	14.74	4.32	14.74	2.02	
		30°C	86°F	5.36	18.29	2.14	7.31	1.20	5.13	17.53	2.14	7.31	1.35	4.87	16.62	2.13	7.25	1.51	4.57	15.59	4.57	15.59	1.74	4.42	15.08	4.42	15.08	2.02	
		33°C	91°F	5.46	18.64	2.59	8.83	1.20	5.24	17.88	5.24	17.88	1.35	4.97	16.97	4.97	16.97	1.51	4.67	15.95	4.67	15.95	1.74	4.52	15.44	4.52	15.44	2.02	
590	60	16°C (61°F)	27°C	81°F	5.62	19.21	0.50	1.71	1.22	5.40	18.45	0.58	1.96	1.36	5.14	17.54	0.65	2.21	1.52	4.84	16.51	0.88	2.99	1.75	4.69	16.00	1.50	5.10	2.03
			30°C	86°F	5.73	19.55	1.07	3.64	1.22	5.50	18.79	1.12	3.83	1.36	5.24	17.88	1.17	3.99	1.52	4.94	16.86	1.37	4.69	1.75	4.79	16.35	1.99	6.80	2.04
			33°C	91°F	5.83	19.90	1.52	5.18	1.22	5.61	19.14	1.56	5.32	1.36	5.34	18.23	1.59	5.42	1.52	5.04	17.21	1.78	6.06	1.75	4.89	16.70	2.40	8.18	2.04
			36°C	97°F	5.79	19.78	1.99	6.79	1.21	5.57	19.02	2.01	6.86	1.36	5.30	18.11	2.02	6.88	1.52	5.00	17.08	2.18	7.44	1.75	4.85	16.57	4.86	16.57	2.03
		21°C	70°F	5.15	17.59	2.66	9.06	1.24	4.93	16.83	2.63	8.96	1.39	4.66	15.92	2.58	8.79	1.55	4.36	14.89	2.65	9.04	1.78	4.21	14.38	4.22	14.38	2.06	
		24°C	75°F	5.15	17.60	3.33	11.37	1.24	4.93	16.84	3.27	11.17	1.39	4.67	15.93	4.67	15.93	1.55	4.36	14.90	4.37	14.90	1.78	4.22	14.39	4.22	14.39	2.06	
		27°C	81°F	5.20	17.74	5.20	17.74	1.24	4.97	16.98	4.98	16.98	1.39	4.71	16.07	4.71	16.07	1.55	4.41	15.05	4.41	15.05	1.78	4.26	14.54	4.26	14.54	2.06	
		30°C	86°F	5.30	18.09	5.30	18.09	1.25	5.07	17.33	5.08	17.33	1.39	4.81	16.42	4.81	16.42	1.55	4.51	15.39	4.51	15.39	1.78	4.36	14.88	4.36	14.88	2.07	
800	40	19°C (66°F)	24°C	75°F	5.32	18.15	2.64	9.01	1.24	5.09	17.39	2.62	8.93	1.38	4.83	16.48	2.57	8.79	1.54	4.53	15.46	2.66	9.09	1.77	4.38	14.95	3.18	10.85	2.06
			27°C	81°F	5.36	18.29	3.46	11.82	1.24	5.13	17.54	3.41	11.64	1.39	4.87	16.63	3.33	11.35	1.55	4.57	15.60	3.37	11.51	1.77	4.42	15.09	4.42	15.09	2.06
			30°C	86°F	5.46	18.64	4.06	13.85	1.24	5.24	17.88	3.99	13.60	1.39	4.97	16.97	3.88	13.24	1.55	4.67	15.94	4.67	15.94	1.78	4.52	15.43	4.52	15.43	2.06
			33°C	91°F	5.56	18.99	5.57	18.99	1.25	5.34	18.23	5.34	18.23	1.39	5.07	17.32	5.08	17.32	1.55	4.77	16.29	4.78	16.29	1.78	4.62	15.78	4.63	15.78	2.07
		27°C	81°F	5.73	19.56	2.48	8.46	1.26	5.50	18.80	2.48	8.46	1.40	5.24	17.89	2.46	8.40	1.56	4.94	16.86	2.59	8.85	1.79	4.79	16.35	3.18	10.83	2.08	
		30°C	86°F	5.83	19.90	3.09	10.55	1.26	5.60	19.14	3.07	10.48	1.40	5.34	18.23	3.03	10.33	1.56	5.04	17.20	3.14	10.70	1.79	4.89	16.69	3.72	12.68	2.08	
		33°C	91°F	5.93	20.25	3.59	12.23	1.26	5.71	19.49	3.55	12.12	1.41	5.44	18.58	3.49	11.91	1.57	5.14	17.56	3.58	12.22	1.80	4.99	17.05	5.00	17.05	2.08	
		36°C	97°F	5.89	20.13	4.05	13.83	1.26	5.67	19.37	4.00	13.64	1.40	5.40	18.46	3.92	13.36	1.56	5.10	17.43	3.98	13.58	1.79	4.95	16.92	4.96	16.92	2.08	
LEGEND	LEGEND	16°C (61°F)	21°C	70°F	5.29	18.06	3.61	12.31	1.25	5.06	17.30	3.54	12.09	1.40	4.80	16.39	3.45	11.77	1.56	4.50	15.36	4.50	15.36	1.79	4.35	14.85	4.35	14.85	2.07
			24°C	75°F	5.29	18.07	4.30	14.68	1.25	5.07	17.31	4.21	14.37	1.40	4.80	16.40	4.81	16.40	1.56	4.50	15.37	4.50	15.37	1.79	4.35	14.86	4.36	14.86	2.07
			27°C	81°F	5.33	18.21	5.34	18.21	1.25	5.11	17.45	5.11	17.45	1.40	4.84	16.54	4.85	16.54	1.56	4.54	15.51	4.55	15.51	1.79	4.39	15.00	4.40	15.00	2.07
			30°C	86°F	5.43	18.55	5.44	18.55	1.26	5.21	17.79	5.21	17.79	1.40	4.94	16.88	4.95	16.88	1.56	4.64	15.86	4.65	15.86	1.79	4.49	15.35	4.50	15.35	2.07
		24°C	75°F	5.45	18.62	3.62	12.34	1.25	5.23	17.86	3.56	12.15	1.39	4.96	16.95	3.48	11.86	1.55	4.66	15.92	3.52	12.02	1.78	4.51	15.41	4.03	13.76	2.07	
		27°C	81°F	5.49	18.76	4.47	15.25	1.25	5.27	18.00	4.38	14.94	1.39	5.00	17.09	4.26	14.52	1.55	4.70	16.06	4.26	14.54	1.78	4.55	15.55	4.56	15.55	2.07	
		30°C	86°F	5.59	19.10	5.09	17.38	1.25	5.37	18.34	4.99	17.01	1.40	5.11	17.43	5.11	17.43	1.56	4.89	16.70	4.89	16.70	1.79	4.66	15.90	4.66	15.90	2.07	
		33°C	91°F	5.70	19.46	5.70	19.46	1.25	5.47	18.70	5.48	18.70	1.40	5.21	17.79	5.21	17.79	1.56	4.91	16.76	4.91	16.76	1.79	4.76	16.25	4.76	16.25	2.07	
LEGEND	LEGEND	22°C (72°F)	27°C	81°F	5.86	20.02	3.52	12.00	1.26	5.64	19.26	3.48	11.88	1.41	5.37	18.35	3.42	11.68	1.57	5.07	17.33	3.51	11.98	1.80	4.92	16.82	4.09	13.94	2.08
			30°C	86°F	5.96	20.37	4.16	14.19	1.27	5.74	19.61	4.10	14.00	1.41	5.47	18.70	4.02	13.71	1.57	5.17	17.67	4.08	13.94	1.80	5.02	17.16	4.66	15.90	2.09
			33°C	91°F	6.07	20.72	4.68	15.97	1.27	5.84	19.96	4.61	15.73	1.41	5.58	19.05	4.51	15.38	1.57	5.28	18.02	4.56	15.55	1.80	5.13	17.51	5.13	17.51	2.09
			36°C	97°F	6.03	20.59	5.15	17.58	1.26	5.81	19.83	5.06	17.28	1.41	5.54	18.92	4.94	16.85	1.57	5.24	17.90	5.24	17.90	1.80	5.09	17.39	5.10	17.39	2.08

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

ESP: External Static Pressure

EDB: Entering Dry Bulb

EWB: Entering Wet Bulb

TC: Total Cooling Capacity

SC: Sensible Cooling Capacity

IP:L Power Input

INDOOR				OUTDOOR TEMPERATURE																								
MEDIUM SPEED				30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)								
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	
				KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
380	16°C (61°F)	21°C	70°F	5.04	17.20	0.58	1.97	1.18	4.81	16.44	0.64	2.17	1.32	4.55	15.53	0.69	2.35	1.48	4.25	14.51	0.88	3.00	1.71	4.10	14.00	4.10	14.00	2.00
		24°C	75°F	5.04	17.21	1.24	4.23	1.18	4.82	16.45	1.27	4.33	1.32	4.55	15.54	1.29	4.39	1.48	4.25	14.52	4.25	14.52	1.71	4.10	14.01	4.10	14.01	2.00
		27°C	81°F	5.08	17.35	2.01	6.87	1.18	4.86	16.59	4.86	16.59	1.32	4.59	15.68	4.60	15.68	1.48	4.29	14.66	4.30	14.66	1.71	4.14	14.15	4.15	14.15	2.00
		30°C	86°F	5.18	17.70	5.19	17.70	1.18	4.96	16.94	4.96	16.94	1.33	4.69	16.03	4.70	16.03	1.49	4.39	15.00	4.40	15.00	1.72	4.24	14.49	4.25	14.49	2.00
		24°C	75°F	5.20	17.76	0.50	1.70	1.17	4.98	17.00	0.56	1.93	1.32	4.71	16.10	0.63	2.14	1.48	4.41	15.07	0.83	2.83	1.71	4.26	14.56	1.39	4.74	1.99
	19°C (66°F)	27°C	81°F	5.24	17.91	1.29	4.40	1.17	5.02	17.15	1.32	4.51	1.32	4.75	16.24	1.35	4.59	1.48	4.45	15.21	1.51	5.14	1.71	4.30	14.70	4.31	14.70	1.99
		30°C	86°F	5.34	18.25	1.83	6.26	1.18	5.12	17.49	1.85	6.31	1.32	4.86	16.58	1.85	6.30	1.48	4.55	15.55	4.56	15.55	1.71	4.41	15.04	4.41	15.04	2.00
		33°C	91°F	5.45	18.60	2.27	7.76	1.18	5.22	17.84	5.23	17.84	1.32	4.96	16.93	4.96	16.93	1.48	4.66	15.91	4.66	15.91	1.71	4.51	15.40	4.51	15.40	2.00
		27°C	81°F	5.61	19.17	0.18	0.62	1.19	5.39	18.41	0.27	0.92	1.34	5.12	17.50	0.36	1.21	1.50	4.82	16.47	0.60	2.05	1.72	4.67	15.96	1.23	4.19	2.01
		30°C	86°F	5.71	19.51	0.74	2.53	1.19	5.49	18.75	0.81	2.76	1.34	5.22	17.84	0.87	2.97	1.50	4.92	16.82	1.09	3.73	1.73	4.77	16.31	1.72	5.86	2.01
505	16°C (61°F)	33°C	91°F	5.82	19.86	1.19	4.05	1.20	5.59	19.10	1.24	4.23	1.34	5.33	18.19	1.28	4.38	1.50	5.03	17.17	1.49	5.08	1.73	4.88	16.66	2.12	7.22	2.01
		36°C	97°F	5.78	19.74	1.66	5.66	1.19	5.56	18.98	1.69	5.77	1.34	5.29	18.07	1.71	5.85	1.50	4.99	17.04	1.89	6.46	1.72	4.84	16.53	4.84	16.53	2.01
		21°C	70°F	5.11	17.43	2.02	6.88	1.21	4.88	16.68	2.01	6.87	1.35	4.62	15.77	1.99	6.80	1.51	4.32	14.74	2.10	7.17	1.74	4.17	14.23	4.17	14.23	2.03
		24°C	75°F	5.11	17.45	2.69	9.17	1.21	4.89	16.69	2.66	9.06	1.35	4.62	15.78	2.60	8.87	1.51	4.32	14.75	4.32	14.75	1.74	4.17	14.24	4.17	14.24	2.03
		27°C	81°F	5.15	17.59	5.15	17.59	1.21	4.93	16.83	4.93	16.83	1.35	4.66	15.92	4.67	15.92	1.51	4.36	14.89	4.36	14.89	1.74	4.21	14.38	4.21	14.38	2.03
	19°C (66°F)	30°C	86°F	5.25	17.93	5.26	17.93	1.21	5.03	17.17	5.03	17.17	1.36	4.76	16.26	4.77	16.26	1.52	4.46	15.23	4.46	15.23	1.74	4.31	14.72	4.32	14.72	2.03
		24°C	75°F	5.27	18.00	1.98	6.76	1.20	5.05	17.24	1.99	6.78	1.35	4.78	16.33	1.97	6.74	1.51	4.48	15.30	2.10	7.16	1.74	4.33	14.79	2.62	8.96	2.02
		27°C	81°F	5.31	18.14	2.79	9.54	1.20	5.09	17.38	2.77	9.44	1.35	4.82	16.47	2.72	9.26	1.51	4.52	15.44	2.80	9.54	1.74	4.37	14.93	4.38	14.93	2.02
		30°C	86°F	5.41	18.48	3.37	11.51	1.21	5.19	17.72	3.33	11.35	1.35	4.92	16.81	3.25	11.09	1.51	4.62	15.79	4.63	15.79	1.74	4.47	15.28	4.48	15.28	2.03
		33°C	91°F	5.52	18.83	3.85	13.13	1.21	5.29	18.08	5.30	18.08	1.35	5.03	17.17	5.03	17.17	1.51	4.73	16.14	4.73	16.14	1.74	4.58	15.63	4.58	15.63	2.03
630	16°C (72°F)	27°C	81°F	5.68	19.40	1.78	6.06	1.22	5.46	18.64	1.80	6.15	1.36	5.19	17.73	1.81	6.19	1.52	4.89	16.71	1.98	6.76	1.75	4.74	16.20	2.57	8.78	2.04
		30°C	86°F	5.78	19.74	2.37	8.09	1.22	5.56	18.98	2.38	8.11	1.37	5.29	18.08	2.36	8.07	1.53	4.99	17.05	2.51	8.55	1.76	4.84	16.54	3.10	10.57	2.04
		33°C	91°F	5.88	20.10	2.85	9.72	1.22	5.66	19.34	2.84	9.69	1.37	5.40	18.43	2.81	9.59	1.53	5.10	17.40	2.94	10.02	1.76	4.95	16.89	4.95	16.89	2.04
		36°C	97°F	5.85	19.97	3.32	11.31	1.22	5.63	19.21	3.29	11.22	1.36	5.36	18.30	3.24	11.04	1.52	5.06	17.27	3.33	11.38	1.75	4.91	16.76	4.91	16.76	2.04
		21°C	70°F	5.17	17.67	2.89	9.88	1.22	4.95	16.91	2.86	9.75	1.37	4.68	16.00	2.79	9.53	1.53	4.38	14.97	2.86	9.75	1.76	4.23	14.46	4.24	14.46	2.04
	19°C (66°F)	24°C	75°F	5.18	17.68	3.57	12.20	1.22	4.95	16.92	3.51	11.97	1.37	4.69	16.01	4.69	16.01	1.53	4.39	14.98	4.39	14.98	1.75	4.24	14.47	4.24	14.47	2.04
		27°C	81°F	5.22	17.82	5.22	17.82	1.22	5.00	17.06	5.00	17.06	1.37	4.73	16.15	4.73	16.15	1.53	4.43	15.12	4.43	15.12	1.76	4.28	14.61	4.28	14.61	2.04
		30°C	86°F	5.32	18.16	5.32	18.16	1.22	5.10	17.40	5.10	17.40	1.37	4.83	16.49	4.83	16.49	1.53	4.53	15.47	4.53	15.47	1.76	4.38	14.96	4.38	14.96	2.04
		24°C	75°F	5.34	18.23	2.89	9.85	1.22	5.12	17.47	2.86	9.74	1.36	4.85	16.56	2.80	9.56	1.52	4.55	15.53	2.88	9.82	1.75	4.40	15.02	3.39	11.57	2.04
		27°C	81°F	5.38	18.37	3.72	12.68	1.22	5.16	17.61	3.65	12.46	1.36	4.89	16.70	3.56	12.14	1.52	4.59	15.68	3.59	12.26	1.75	4.44	15.17	4.44	15.17	2.04
22°C (72°F)	30°C	86°F	5.48	18.72	4.32	14.73	1.22	5.26	17.96	4.24	14.45	1.37	4.99	17.05	4.12	14.05	1.53	4.69	16.02	4.70	16.02	1.75	4.54	15.51	4.55	15.51	2.04	
	33°C	91°F	5.58	19.07	5.59	19.07	1.22	5.36	18.31	5.37	18.31	1.37	5.09	17.40	5.10	17.40	1.53	4.79	16.37	4.80	16.37	1.76	4.64	15.86	4.65	15.86	2.04	
	27°C	81°F	5.75	19.63	2.74	9.36	1.23	5.53	18.87	2.73	9.33	1.38	5.26	17.96	2.70	9.23	1.54	4.96	16.94	2.82	9.63	1.77	4.81	16.43	3.40	11.61	2.05	
	30°C	86°F	5.85	19.98	3.36	11.47	1.24	5.63	19.22	3.33	11.37	1.38	5.36	18.31	3.28	11.18	1.54	5.06	17.28	3.37	11.51	1.77	4.91	16.77	3.95	13.48	2.06	
	33°C	91°F	5.95	20.33	3.86	13.17	1.24	5.73	19.57	3.82	13.02	1.38	5.46	18.66	3.75	12.78	1.54	5.16	17.63	3.83	13.05	1.77	5.01	17.12	5.02	17.12	2.06	
LEGEND	22°C (72°F)	36°C	97°F	5.92	20.20	4.33	14.77	1.23	5.69	19.44	4.27	14.55	1.38	5.43	18.53	4.17	14.23	1.54	5.13	17.51	5.13	17.51	1.77	4.98	17.00	4.98	17.00	2.05

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP:L Power Input

INDOOR LOW SPEED				OUTDOOR TEMPERATURE											
				30°C (86°F)				35°C (95°F)				40°C (104°F)			
				TC	SC	PI		TC	SC	PI		TC	SC	PI	
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH
490	16°C (61°F)		21°C	5.10	17.41	1.88	6.42	1.19	4.88	16.65	1.88	6.43	1.34	4.61	15.74
			24°C	5.10	17.42	2.55	8.70	1.19	4.88	16.66	2.52	8.61	1.33	4.61	15.75
			27°C	5.14	17.56	5.15	17.56	1.19	4.92	16.80	4.92	16.80	1.34	4.65	15.89
			30°C	5.24	17.90	5.25	17.90	1.19	5.02	17.14	5.02	17.14	1.34	4.75	16.23
			24°C	5.26	17.97	1.84	6.29	1.19	5.04	17.21	1.85	6.32	1.33	4.77	16.30
	19°C (66°F)	40	27°C	5.30	18.11	2.65	9.05	1.19	5.08	17.35	2.63	8.97	1.33	4.82	16.44
			30°C	5.40	18.46	3.23	11.02	1.19	5.18	17.70	3.19	10.87	1.33	4.92	16.79
			33°C	5.51	18.81	3.70	12.62	1.19	5.29	18.05	5.29	18.05	1.34	5.02	17.14
			27°C	5.67	19.37	1.63	5.55	1.20	5.45	18.61	1.66	5.66	1.35	5.18	17.71
			30°C	5.77	19.72	2.22	7.56	1.21	5.55	18.96	2.23	7.60	1.35	5.28	18.05
605	16°C (61°F)		33°C	5.88	20.07	2.69	9.19	1.21	5.65	19.31	2.69	9.17	1.35	5.39	18.40
			36°C	5.84	19.94	3.16	10.78	1.20	5.62	19.18	3.14	10.71	1.35	5.35	18.27
			21°C	5.16	17.62	2.75	9.38	1.20	4.94	16.86	2.72	9.27	1.34	4.67	15.95
			24°C	5.16	17.63	3.43	11.69	1.20	4.94	16.87	3.37	11.48	1.34	4.67	15.96
			27°C	5.20	17.77	5.21	17.77	1.20	4.98	17.01	4.99	17.01	1.35	4.71	16.10
	19°C (66°F)	30	30°C	5.30	18.11	5.31	18.11	1.20	5.08	17.35	5.09	17.35	1.35	4.82	16.44
			24°C	5.32	18.18	2.74	9.34	1.20	5.10	17.42	2.71	9.25	1.34	4.84	16.51
			27°C	5.37	18.32	3.56	12.16	1.20	5.14	17.56	3.50	11.96	1.34	4.88	16.65
			30°C	5.47	18.67	4.16	14.20	1.20	5.24	17.91	4.08	13.93	1.34	4.98	17.00
			33°C	5.57	19.02	5.57	19.02	1.20	5.35	18.26	5.35	18.26	1.35	5.08	17.35
	22°C (72°F)		27°C	5.73	19.58	2.58	8.82	1.21	5.51	18.83	2.58	8.80	1.36	5.25	17.92
			30°C	5.84	19.93	3.20	10.91	1.22	5.61	19.17	3.17	10.83	1.36	5.35	18.26
			33°C	5.94	20.28	3.69	12.60	1.22	5.72	19.52	3.66	12.47	1.36	5.45	18.61
			36°C	5.90	20.15	4.16	14.20	1.21	5.68	19.39	4.10	14.00	1.36	5.41	18.48
	22°C (72°F)		21°C	4.32	14.76	2.51	8.56	2.01	4.32	14.76	2.51	8.56	2.01	4.32	14.76
			24°C	4.37	14.91	4.37	14.91	2.01	4.37	14.91	4.37	14.91	2.01	4.37	14.91
			27°C	4.47	15.25	4.47	15.25	2.01	4.47	15.25	4.47	15.25	2.01	4.47	15.25
			30°C	4.57	15.60	4.57	15.60	2.01	4.57	15.60	4.57	15.60	2.01	4.57	15.60
			33°C	4.73	16.17	2.45	8.35	2.02	4.73	16.17	2.45	8.35	2.02	4.73	16.17
	22°C (72°F)		36°C	4.83	16.51	2.97	10.13	2.03	4.83	16.51	2.97	10.13	2.03	4.83	16.51
			21°C	4.94	16.86	4.94	16.86	2.03	4.94	16.86	4.94	16.86	2.03	4.94	16.86
			24°C	4.90	16.74	4.91	16.74	2.02	4.90	16.74	4.91	16.74	2.02	4.90	16.74
			27°C	4.22	14.41	4.22	14.41	2.02	4.22	14.41	4.22	14.41	2.02	4.22	14.41
			30°C	4.22	14.42	4.23	14.42	2.02	4.22	14.42	4.23	14.42	2.02	4.22	14.42
	22°C (72°F)		33°C	4.26	14.56	4.27	14.56	2.02	4.26	14.56	4.27	14.56	2.02	4.26	14.56
			21°C	4.37	14.91	4.37	14.91	2.02	4.37	14.91	4.37	14.91	2.02	4.37	14.91
			24°C	4.39	14.98	3.26	11.13	2.01	4.39	14.98	3.26	11.13	2.01	4.39	14.98
			27°C	4.43	15.12	4.43	15.12	2.02	4.43	15.12	4.43	15.12	2.02	4.43	15.12
			30°C	4.53	15.46	4.53	15.46	2.02	4.53	15.46	4.53	15.46	2.02	4.53	15.46

LEGEND

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP: L Power Input

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19°C to 54°C DB without pressure trip.

INDOOR					OUTDOOR TEMPERATURE																										
AIRFLOW (CFM)	HIGH SPEED	ESP (PA)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)										
					TC	SC	PI	KW	MBH	KW	MBH	KW	PI	TC	SC	PI	KW	MBH	KW	PI	TC	SC	PI	KW	MBH	KW	PI	TC	SC	PI	KW
700	75	16°C (61°F)			21°C	70°F	6.57	22.40	3.21	10.97	1.61	6.28	21.43	3.19	10.87	1.79	5.94	20.27	3.13	10.69	1.99	5.56	18.96	3.24	11.07	2.27	5.36	18.31	5.36	18.31	2.62
					24°C	75°F	6.57	22.41	4.10	13.98	1.61	6.29	21.44	4.03	13.76	1.79	5.94	20.28	3.93	13.42	1.99	5.56	18.97	5.56	18.97	2.27	5.37	18.32	5.37	18.32	2.62
					27°C	81°F	6.62	22.60	6.62	22.60	1.61	6.34	21.63	6.34	21.63	1.79	6.00	20.46	6.00	20.46	1.99	5.61	19.15	5.61	19.15	2.27	5.42	18.50	5.42	18.50	2.62
					30°C	86°F	6.75	23.03	6.75	23.03	1.62	6.47	22.06	6.47	22.06	1.79	6.13	20.90	6.13	20.90	1.99	5.74	19.59	5.74	19.59	2.27	5.55	18.94	5.55	18.94	2.62
					24°C	75°F	6.78	23.12	3.19	10.87	1.61	6.49	22.15	3.17	10.81	1.78	6.15	20.99	3.12	10.66	1.98	5.77	19.68	3.26	11.11	2.26	5.58	19.02	3.94	13.43	2.61
	75	19°C (66°F)			27°C	81°F	6.83	23.30	4.26	14.54	1.61	6.54	22.33	4.20	14.33	1.79	6.20	21.17	4.11	14.01	1.98	5.82	19.86	4.18	14.27	2.26	5.63	19.21	5.63	19.21	2.61
					30°C	86°F	6.96	23.74	5.04	17.18	1.61	6.67	22.77	4.95	16.89	1.79	6.33	21.61	4.82	16.46	1.99	5.95	20.30	5.95	20.30	2.27	5.76	19.64	5.76	19.64	2.62
					33°C	91°F	7.09	24.19	5.67	19.35	1.61	6.81	23.22	6.81	23.22	1.79	6.46	22.06	6.46	22.06	1.99	6.08	20.75	6.08	20.75	2.27	5.89	20.09	5.89	20.09	2.62
					27°C	81°F	7.30	24.91	2.96	10.09	1.63	7.02	23.94	2.97	10.13	1.81	6.68	22.78	2.96	10.09	2.00	6.29	21.47	3.14	10.73	2.28	6.10	20.82	3.91	13.34	2.64
					30°C	86°F	7.43	25.35	3.75	12.80	1.63	7.15	24.38	3.74	12.75	1.81	6.81	23.22	3.69	12.60	2.01	6.42	21.91	3.85	13.13	2.29	6.23	21.26	4.61	15.74	2.64
840	60	22°C (72°F)			33°C	91°F	7.56	25.80	4.39	14.99	1.63	7.28	24.83	4.36	14.87	1.81	6.94	23.67	4.29	14.64	2.01	6.55	22.36	4.43	15.10	2.29	6.36	21.71	5.20	17.73	2.64
					36°C	97°F	7.51	25.64	5.00	17.08	1.63	7.23	24.67	4.94	16.87	1.81	6.89	23.51	4.85	16.54	2.00	6.51	22.20	4.95	16.88	2.28	6.31	21.54	6.31	21.54	2.63
					21°C	70°F	6.65	22.68	4.08	13.92	1.62	6.36	21.71	4.02	13.71	1.80	6.02	20.55	3.92	13.39	1.99	5.64	19.24	3.99	13.62	2.27	5.45	18.59	5.45	18.59	2.63
					24°C	75°F	6.65	22.70	4.98	16.98	1.62	6.37	21.72	4.88	16.64	1.79	6.03	20.56	4.74	16.16	1.99	5.64	19.25	5.64	19.25	2.27	5.45	18.60	5.45	18.60	2.62
					27°C	81°F	6.70	22.88	6.70	22.88	1.62	6.42	21.91	6.42	21.91	1.80	6.08	20.74	6.08	20.74	1.99	5.70	19.43	5.70	19.43	2.27	5.50	18.78	5.50	18.78	2.63
	60	19°C (66°F)			30°C	86°F	6.83	23.31	6.83	23.31	1.62	6.55	22.34	6.55	22.34	1.80	6.21	21.18	6.21	21.18	2.00	5.82	19.87	5.82	19.87	2.28	5.63	19.22	5.63	19.22	2.63
					24°C	75°F	6.86	23.40	4.08	13.91	1.61	6.57	22.43	4.03	13.73	1.79	6.23	21.27	3.94	13.44	1.99	5.85	19.96	4.03	13.75	2.27	5.66	19.30	4.70	16.03	2.62
					27°C	81°F	6.91	23.58	5.17	17.64	1.61	6.63	22.61	5.08	17.32	1.79	6.29	21.45	4.94	16.86	1.99	5.90	20.14	4.97	16.97	2.27	5.71	19.49	5.71	19.49	2.62
					30°C	86°F	7.04	24.02	5.97	20.37	1.62	6.76	23.05	5.85	19.96	1.79	6.41	21.89	5.68	19.39	1.99	6.03	20.58	6.03	20.58	2.27	5.84	19.92	5.84	19.92	2.62
					33°C	91°F	7.17	24.47	6.63	22.61	1.62	6.89	23.50	6.89	23.50	1.80	6.55	22.34	6.55	22.34	1.99	6.16	21.03	6.16	21.03	2.28	5.97	20.37	5.97	20.37	2.63
1000	40	22°C (72°F)			27°C	81°F	7.38	25.19	3.91	13.34	1.63	7.10	24.22	3.89	13.26	1.81	6.76	23.06	3.83	13.08	2.01	6.37	21.75	3.98	13.57	2.29	6.18	21.10	4.73	16.14	2.64
					30°C	86°F	7.51	25.63	4.73	16.13	1.64	7.23	24.66	4.68	15.96	1.81	6.89	23.50	4.59	15.67	2.01	6.50	22.19	4.71	16.05	2.29	6.31	21.54	5.46	18.63	2.64
					33°C	91°F	7.64	26.08	5.39	18.39	1.64	7.36	25.11	5.32	18.16	1.82	7.02	23.95	5.21	17.79	2.01	6.63	22.64	5.30	18.10	2.30	6.44	21.99	6.06	20.69	2.65
					36°C	97°F	7.60	25.92	6.00	20.48	1.63	7.31	24.95	5.91	20.16	1.81	6.97	23.79	5.77	19.70	2.01	6.59	22.48	5.83	19.88	2.29	6.40	21.82	6.40	21.82	2.64
					21°C	70°F	6.76	23.07	4.73	16.13	1.59	6.48	22.10	4.65	15.85	1.77	6.14	20.94	4.52	15.43	1.97	5.75	19.62	4.57	15.58	2.25	5.56	18.97	5.56	18.97	2.60
	40	16°C (61°F)			24°C	75°F	6.76	23.08	5.64	19.24	1.59	6.48	22.11	5.52	18.83	1.77	6.14	20.95	6.14	20.95	1.97	5.76	19.64	5.76	19.64	2.25	5.56	18.99	5.56	18.99	2.60
					27°C	81°F	6.82	23.26	6.82	23.26	1.59	6.53	22.29	6.53	22.29	1.77	6.19	21.13	6.19	21.13	1.97	5.81	19.82	5.81	19.82	2.25	5.62	19.17	5.62	19.17	2.60
					30°C	86°F	6.95	23.70	6.95	23.70	1.60	6.66	22.73	6.66	22.73	1.78	6.32	21.57	6.32	21.57	1.97	5.94	20.26	5.94	20.26	2.25	5.75	19.61	5.75	19.61	2.61
					24°C	75°F	6.97	23.79	4.74	16.17	1.59	6.69	22.82	4.67	15.92	1.77	6.35	21.65	4.56	15.54	1.96	5.96	20.34	4.62	15.75	2.24	5.77	19.69	5.29	18.03	2.60
					27°C	81°F	7.02	23.97	5.86	19.99	1.59	6.74	23.00	5.74	19.59	1.77	6.40	21.84	5.58	19.03	1.96	6.02	20.52	5.58	19.05	2.25	5.82	19.87	5.82	19.87	2.60
40	19°C (66°F)			30°C	86°F	7.15	24.41	6.68	22.79	1.59	6.87	23.44	6.54	22.30	1.77	6.53	22.27	6.53	22.27	1.97	6.22	21.22	6.20	21.15	2.25	5.95	20.31	5.95	20.31	2.60	
				33°C	91°F	7.29	24.86	7.29	24.86	1.60	7.00	23.89	7.00	23.89	1.77	6.66	22.72	6.66	22.72	1.97	6.28	21.41	6.28	21.41	2.25	6.08	20.76	6.08	20.76	2.60	
				27°C	81°F	7.50	25.58	4.61	15.73	1.61	7.21	24.61	4.56	15.57	1.79	6.87	23.45	4.49	15.31	1.98	6.49	22.14	4.60	15.70	2.27	6.30	21.48	5.36	18.28	2.62	
				30°C	86°F	7.63	26.02	5.45	18.60	1.61	7.34	25.05	5.38	18.35	1.79	7.00	23.89	5.27	17.97	1.99	6.62	22.58	5.35	18.27	2.27	6.43	21.92	6.11	20.84	2.62	
				33°C	91°F	7.76	26.47	6.13	20.93	1.62	7.47	25.50	6.04	20.62	1.79	7.13	24.34	5.91	20.16	1.99	6.75	23.02	5.97	20.38	2.27	6.56	22.37	6.56	22.37	2.62	
LEGEND	Total Cooling Capacity	Sensible Cooling Capacity	Power Input		7.71	26.31	6.75	23.04	1.61	7.43	25.34	6.64	22.64	1.79	7.09	24.17	6.47	22.09	1.98	6.70	22.86	6.70	22.86	2.27	6.51	22.21	6.51	22.21	2.62		

ESP: External Static Pressure
 EDB: Entering Dry Bulb
 EWB: Entering Wet Bulb

1. Ratings shown are gross capacities.
 2. Shaded areas reflect nominal capacities.
 3. Direct interpretation is permissible. Do not extrapolate.
 4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

INDOOR				OUTDOOR TEMPERATURE																													
MEDIUM SPEED				30°C (86°F)						35°C (95°F)						40°C (104°F)						46°C (115°F)						52°C (126°F)					
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	TC	MBH	kW	MBH	kW	PI	TC	MBH	kW	MBH	kW	PI	TC	MBH	kW	MBH	kW	PI	TC	MBH	kW	MBH	kW	PI						
570	16°C (61°F)	21°C	70°F	6.50	22.16	2.02	6.90	1.53	6.21	21.19	2.04	6.97	1.71	5.87	20.03	2.05	6.99	1.91	5.49	18.72	2.23	7.59	2.19	5.29	18.07	5.29	18.07	2.54					
		24°C	75°F	6.50	22.18	2.90	9.88	1.53	6.21	21.21	2.88	9.83	1.71	5.87	20.04	2.84	9.69	1.91	5.49	18.73	5.49	18.73	2.19	5.30	18.08	5.30	18.08	2.54					
		27°C	81°F	6.55	22.36	3.93	13.40	1.53	6.27	21.39	6.27	21.39	1.71	5.93	20.22	5.93	20.22	1.91	5.54	18.91	5.54	18.91	2.19	5.35	18.26	5.35	18.26	2.54					
		30°C	86°F	6.68	22.80	6.68	22.80	1.54	6.40	21.82	6.40	21.82	1.71	6.06	20.66	6.06	20.66	1.91	5.67	19.35	5.67	19.35	2.19	5.48	18.70	5.48	18.70	2.54					
	19°C (66°F)	24°C	75°F	6.71	22.88	1.96	6.68	1.53	6.42	21.91	1.99	6.79	1.70	6.08	20.75	2.00	6.84	1.90	5.70	19.44	2.20	7.51	2.18	5.51	18.79	2.90	9.91	2.53					
		27°C	81°F	6.76	23.06	3.01	10.28	1.53	6.47	22.09	3.00	10.24	1.71	6.13	20.93	2.97	10.12	1.90	5.75	19.62	3.11	10.60	2.18	5.56	18.97	5.56	18.97	2.54					
		30°C	86°F	6.89	23.50	3.76	12.82	1.53	6.60	22.53	3.72	12.69	1.71	6.26	21.37	3.65	12.46	1.91	5.88	20.06	5.88	20.06	2.19	5.69	19.40	5.69	19.40	2.54					
		33°C	91°F	7.02	23.95	4.36	14.88	1.53	6.74	22.98	6.74	22.98	1.71	6.39	21.82	6.39	21.82	1.91	6.01	20.51	6.01	20.51	2.19	5.82	19.85	5.82	19.85	2.54					
675	22°C (72°F)	27°C	81°F	7.23	24.67	1.64	5.60	1.55	6.95	23.70	1.70	5.80	1.73	6.61	22.54	1.75	5.96	1.92	6.22	21.23	2.00	6.82	2.20	6.03	20.58	2.79	9.52	2.56					
		30°C	86°F	7.36	25.11	2.40	8.20	1.55	7.08	24.14	2.44	8.32	1.73	6.74	22.98	2.45	8.37	1.93	6.35	21.67	2.67	9.12	2.21	6.16	21.02	3.46	11.82	2.56					
		33°C	91°F	7.49	25.56	3.02	10.29	1.55	7.21	24.59	3.03	10.34	1.73	6.87	23.43	3.02	10.32	1.93	6.48	22.12	3.22	10.99	2.21	6.29	21.47	4.02	13.70	2.56					
		36°C	97°F	7.44	25.40	3.63	12.39	1.55	7.16	24.43	3.62	12.35	1.73	6.82	23.27	3.58	12.23	1.92	6.44	21.96	3.75	12.78	2.20	6.24	21.31	6.24	21.31	2.56					
	16°C (61°F)	21°C	70°F	6.55	22.35	3.02	10.30	1.55	6.27	21.38	3.00	10.24	1.72	5.93	20.22	2.96	10.08	1.92	5.54	18.91	3.08	10.50	2.20	5.35	18.26	5.35	18.26	2.55					
		24°C	75°F	6.56	22.37	3.90	13.31	1.54	6.27	21.40	3.85	13.12	1.72	5.93	20.24	3.75	12.81	1.92	5.55	18.92	5.55	18.92	2.20	5.36	18.27	5.36	18.27	2.55					
		27°C	81°F	6.61	22.55	4.95	16.89	1.55	6.32	21.58	6.32	21.58	1.72	5.98	20.42	5.98	20.42	1.92	5.60	19.11	5.60	19.11	2.20	5.41	18.45	5.41	18.45	2.55					
		30°C	86°F	6.74	22.99	6.74	22.99	1.55	6.45	22.02	6.45	22.02	1.73	6.11	20.86	6.11	20.86	1.92	5.73	19.54	5.73	19.54	2.21	5.54	18.89	5.54	18.89	2.56					
780	19°C (66°F)	24°C	75°F	6.76	23.07	2.99	10.19	1.54	6.48	22.10	2.98	10.15	1.72	6.14	20.94	2.94	10.04	1.91	5.75	19.63	3.08	10.52	2.20	5.56	18.98	3.77	12.85	2.55					
		27°C	81°F	6.82	23.26	4.06	13.85	1.54	6.53	22.28	4.01	13.67	1.72	6.19	21.12	3.92	13.37	1.92	5.81	19.81	4.01	13.67	2.20	5.62	19.16	5.62	19.16	2.55					
		30°C	86°F	6.94	23.69	4.83	16.47	1.54	6.66	22.72	4.75	16.20	1.72	6.32	21.56	4.63	15.80	1.92	5.93	20.25	5.93	20.25	2.20	5.74	19.60	5.74	19.60	2.55					
		33°C	91°F	7.08	24.14	5.46	18.62	1.55	6.79	23.17	6.79	23.17	1.73	6.45	22.01	6.45	22.01	1.92	6.07	20.70	6.07	20.70	2.20	5.88	20.05	5.88	20.05	2.55					
	22°C (72°F)	27°C	81°F	7.29	24.87	2.74	9.36	1.56	7.00	23.90	2.76	9.42	1.74	6.66	22.73	2.76	9.42	1.94	6.28	21.42	2.96	10.09	2.22	6.09	20.77	3.73	12.72	2.57					
		30°C	86°F	7.42	25.31	3.53	12.05	1.56	7.13	24.34	3.52	12.03	1.74	6.79	23.17	3.49	11.91	1.94	6.41	21.86	3.66	12.48	2.22	6.22	21.21	4.43	15.10	2.57					
		33°C	91°F	7.55	25.76	4.17	14.22	1.57	7.26	24.79	4.14	14.13	1.75	6.92	23.62	4.09	13.94	1.94	6.54	22.31	4.23	14.43	2.22	6.35	21.66	5.00	17.07	2.57					
		36°C	97°F	7.50	25.59	4.78	16.31	1.56	7.22	24.62	4.73	16.14	1.74	6.88	23.46	4.64	15.84	1.94	6.49	22.15	4.75	16.21	2.22	6.30	21.50	6.30	21.50	2.57					
LEGEND	16°C (61°F)	21°C	70°F	6.61	22.56	3.75	12.79	1.55	6.33	21.59	3.70	12.63	1.73	5.99	20.42	3.62	12.36	1.92	5.60	19.11	3.71	12.65	2.20	5.41	18.46	5.41	18.46	2.56					
		24°C	75°F	6.61	22.57	4.64	15.83	1.55	6.33	21.60	4.55	15.54	1.72	5.99	20.44	4.43	15.11	1.92	5.61	19.13	5.61	19.13	2.20	5.41	18.47	5.41	18.47	2.55					
		27°C	81°F	6.67	22.75	6.67	22.75	1.55	6.38	21.78	6.38	21.78	1.73	6.04	20.62	6.04	20.62	1.92	5.66	19.31	5.66	19.31	2.20	5.47	18.66	5.47	18.66	2.56					
		30°C	86°F	6.80	23.19	6.80	23.19	1.55	6.51	22.22	6.51	22.22	1.73	6.17	21.06	6.17	21.06	1.93	5.79	19.75	5.79	19.75	2.21	5.60	19.09	5.60	19.09	2.56					
	19°C (66°F)	24°C	75°F	6.82	23.28	3.74	12.75	1.54	6.54	22.31	3.70	12.62	1.72	6.20	21.14	3.63	12.38	1.92	5.81	19.83	3.73	12.74	2.20	5.62	19.18	4.40	15.03	2.55					
		27°C	81°F	6.87	23.46	4.82	16.46	1.54	6.59	22.49	4.74	16.18	1.72	6.25	21.32	4.62	15.77	1.92	5.87	20.01	4.67	15.93	2.20	5.67	19.36	5.67	19.36	2.55					
		30°C	86°F	7.00	23.90	5.61	19.15	1.55	6.72	22.92	5.51	18.78	1.72	6.38	21.76	5.35	18.26	1.92	5.99	20.45	5.99	20.45	2.20	5.80	19.80	5.80	19.80	2.55					
		33°C	91°F	7.14	24.34	6.26	21.36	1.55	6.85	23.37	6.85	23.37	1.73	6.51	22.21	6.51	22.21	1.92	6.13	20.90	6.13	20.90	2.21	5.93	20.25	5.93	20.25	2.56					
LEGEND	22°C (72°F)	27°C	81°F	7.35	25.07	3.55	12.10	1.56	7.06	24.10	3.54	12.07	1.74	6.72	22.94	3.50	11.94	1.94	6.34	21.62	3.66	12.48	2.22	6.15	20.97	4.42	15.07	2.57					
		30°C	86°F	7.48	25.51	4.36	14.86	1.57	7.19	24.54	4.32	14.73	1.74	6.85	23.37	4.25	14.50	1.94	6.47	22.06	4.38	14.94	2.22	6.28	21.41	5.14	17.52	2.57					
		33°C	91°F	7.61	25.96	5.01	17.09	1.57	7.32	24.99	4.95	16.90	1.75	6.98	23.82	4.86	16.59	1.94	6.60	22.51	4.97	16.95	2.23	6.41	21.86	5.73	19.55	2.58					
		36°C	97°F	7.56	25.80	5.62	19.18	1.56	7.28	24.83	5.54	18.91	1.74	6.94	23.66	5.42	18.49	1.94	6.55	22.35	5.49	18.73	2.22	6.36	21.70	6.36	21.70	2.57					

LEGEND
 TC: Total Cooling Capacity
 SC: Sensible Cooling Capacity
 IP-L: Power Input

NOTES
 1. Ratings shown are gross capacities.
 2. Shaded areas reflect nominal capacities.
 3. Direct interpretation is permissible. Do not extrapolate.
 4. Unit is able to operate at ambient from 19°C to 54°C DB without pressure trip.

ESP: External Static Pressure
 EDB: Entering Dry Bulb
 EWB: Entering Wet Bulb

INDOOR LOW SPEED				OUTDOOR TEMPERATURE																								
AIRFLOW (CFM)	ESP (PA)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)								
				TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI						
				KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	
570	40	16°C (61°F)	21°C	6.50	22.16	2.02	6.90	1.49	6.21	21.19	2.04	6.97	1.67	5.87	20.03	2.05	6.99	1.87	5.49	18.72	2.23	7.59	2.15	5.29	18.07	5.29	18.07	2.50
			24°C	6.50	22.18	2.90	9.88	1.49	6.21	21.21	2.88	9.83	1.67	5.87	20.04	2.84	9.69	1.87	5.49	18.73	5.49	18.73	2.15	5.30	18.08	5.30	18.08	2.50
			27°C	6.55	22.36	3.93	13.40	1.49	6.27	21.39	6.27	21.39	1.67	5.93	20.22	5.93	20.22	1.87	5.54	18.91	5.54	18.91	2.15	5.35	18.26	5.35	18.26	2.50
			30°C	6.68	22.80	6.68	22.80	1.50	6.40	21.82	6.40	21.82	1.68	6.06	20.66	6.06	20.66	1.87	5.67	19.35	5.67	19.35	2.15	5.48	18.70	5.48	18.70	2.51
			24°C	6.71	22.88	1.96	6.68	1.49	6.42	21.91	1.99	6.79	1.67	6.08	20.75	2.00	6.84	1.86	5.70	19.44	2.20	7.51	2.15	5.51	18.79	2.90	9.91	2.50
570	40	19°C (66°F)	27°C	6.76	23.06	3.01	10.28	1.49	6.47	22.09	3.00	10.24	1.67	6.13	20.93	2.97	10.12	1.86	5.75	19.62	3.11	10.60	2.15	5.56	18.97	5.56	18.97	2.50
			30°C	6.89	23.50	3.76	12.82	1.49	6.60	22.53	3.72	12.69	1.67	6.26	21.37	3.65	12.46	1.87	5.88	20.06	5.88	20.06	2.15	5.69	19.40	5.69	19.40	2.50
			33°C	7.02	23.95	4.36	14.88	1.50	6.74	22.98	6.74	22.98	1.67	6.39	21.82	6.39	21.82	1.87	6.01	20.51	6.01	20.51	2.15	5.82	19.85	5.82	19.85	2.50
			27°C	7.23	24.67	1.64	5.60	1.51	6.95	23.70	1.70	5.80	1.69	6.61	22.54	1.75	5.96	1.88	6.22	21.23	2.00	6.82	2.17	6.03	20.58	2.79	9.52	2.52
			30°C	7.36	25.11	2.40	8.20	1.51	7.08	24.14	2.44	8.32	1.69	6.74	22.98	2.45	8.37	1.89	6.35	21.67	2.67	9.12	2.17	6.16	21.02	3.46	11.82	2.52
680	30	16°C (61°F)	33°C	7.49	25.56	3.02	10.29	1.52	7.21	24.59	3.03	10.34	1.69	6.87	23.43	3.02	10.32	1.89	6.48	22.12	3.22	10.99	2.17	6.29	21.47	4.02	13.70	2.52
			36°C	7.44	25.40	3.63	12.39	1.51	7.16	24.43	3.62	12.35	1.69	6.82	23.27	3.58	12.23	1.88	6.44	21.96	3.75	12.78	2.17	6.24	21.31	6.24	21.31	2.52
			21°C	6.55	22.36	3.06	10.44	1.50	6.27	21.39	3.04	10.37	1.68	5.93	20.23	2.99	10.21	1.88	5.55	18.92	3.11	10.62	2.16	5.35	18.27	5.35	18.27	2.51
			24°C	6.56	22.38	3.94	13.45	1.50	6.27	21.41	3.88	13.25	1.68	5.93	20.24	3.79	12.93	1.88	5.55	18.93	5.55	18.93	2.16	5.36	18.28	5.36	18.28	2.51
			27°C	6.61	22.56	4.99	17.03	1.50	6.33	21.59	6.33	21.59	1.68	5.99	20.43	5.99	20.43	1.88	5.60	19.11	5.60	19.11	2.16	5.41	18.46	5.41	18.46	2.51
680	30	19°C (66°F)	30°C	6.74	23.00	6.74	23.00	1.51	6.46	22.03	6.46	22.03	1.68	6.12	20.86	6.12	20.86	1.88	5.73	19.55	5.73	19.55	2.16	5.54	18.90	5.54	18.90	2.51
			24°C	6.77	23.08	3.03	10.33	1.50	6.48	22.11	3.02	10.29	1.67	6.14	20.95	2.98	10.17	1.87	5.76	19.64	3.12	10.64	2.15	5.56	18.99	3.80	12.97	2.50
			27°C	6.82	23.26	4.10	13.99	1.50	6.53	22.29	4.05	13.80	1.68	6.19	21.13	3.96	13.50	1.87	5.81	19.82	4.04	13.79	2.15	5.62	19.17	5.62	19.17	2.50
			30°C	6.95	23.70	4.87	16.62	1.50	6.66	22.73	4.79	16.34	1.68	6.32	21.57	4.67	15.94	1.88	5.94	20.26	5.94	20.26	2.16	5.75	19.61	5.75	19.61	2.51
			33°C	7.08	24.15	5.50	18.77	1.50	6.79	23.18	6.79	23.18	1.68	6.45	22.02	6.45	22.02	1.88	6.07	20.71	6.07	20.71	2.16	5.88	20.06	5.88	20.06	2.51
		22°C (72°F)	27°C	7.29	24.88	2.79	9.51	1.52	7.01	23.91	2.80	9.57	1.70	6.67	22.74	2.80	9.56	1.89	6.28	21.43	3.00	10.22	2.17	6.09	20.78	3.76	12.85	2.52
			30°C	7.42	25.31	3.58	12.21	1.52	7.13	24.34	3.57	12.17	1.70	6.79	23.18	3.53	12.05	1.90	6.41	21.87	3.70	12.61	2.18	6.22	21.22	4.46	15.23	2.53
			33°C	7.55	25.76	4.21	14.38	1.52	7.27	24.79	4.19	14.28	1.70	6.93	23.63	4.13	14.08	1.90	6.54	22.32	4.27	14.57	2.18	6.35	21.67	5.04	17.20	2.53
			36°C	7.50	25.60	4.83	16.47	1.52	7.22	24.63	4.77	16.29	1.69	6.88	23.47	4.69	15.99	1.89	6.49	22.16	4.79	16.35	2.17	6.30	21.51	6.30	21.51	2.52

LEGEND

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP: L Power Input

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

INDOOR HIGH SPEED				OUTDOOR TEMPERATURE																											
AIRFLOW (CFM)	ESP (PA)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)											
				TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI									
				KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	PI		
1060	75		21°C	70°F	8.07	27.55	5.05	17.24	2.10	7.73	26.36	4.98	17.00	2.31	7.31	24.95	4.87	16.61	2.55	6.49	22.13	4.70	16.05	2.88	6.26	21.37	6.26	21.37	6.26	21.37	3.30
		16°C (61°F)	24°C	75°F	8.08	27.56	6.20	21.14	2.10	7.73	26.38	6.08	20.73	2.31	7.32	24.97	5.90	20.14	2.55	6.49	22.14	6.49	22.14	2.88	6.27	21.39	6.27	21.39	6.27	21.39	3.30
			27°C	81°F	8.14	27.78	8.14	27.78	2.10	7.80	26.60	7.80	26.60	2.31	7.38	25.19	7.38	25.19	2.55	6.55	22.35	6.55	22.35	2.88	6.33	21.60	6.33	21.60	6.33	21.60	3.30
			30°C	86°F	8.30	28.32	8.30	28.32	2.11	7.95	27.14	7.95	27.14	2.32	7.54	25.72	7.54	25.72	2.55	6.70	22.86	6.70	22.86	2.89	6.48	22.11	6.48	22.11	6.48	22.11	3.31
			24°C	75°F	8.33	28.42	5.04	17.21	2.09	7.98	27.24	4.98	17.01	2.31	7.57	25.83	4.88	16.66	2.54	6.73	22.96	4.74	16.18	2.88	6.51	22.20	5.55	18.95	18.95	3.30	
			19°C (66°F)	27°C	81°F	8.39	28.64	6.44	21.97	2.10	8.05	27.46	6.33	21.58	2.31	7.63	26.05	6.16	21.02	2.54	6.79	23.17	5.88	20.07	2.88	6.57	22.41	6.57	22.41	6.57	22.41
1170	60		30°C	86°F	8.55	29.18	7.46	25.44	2.10	8.20	27.99	7.31	24.94	2.31	7.79	26.58	7.10	24.23	2.55	6.94	23.67	6.94	23.67	2.88	6.72	22.92	6.72	22.92	6.72	22.92	3.30
			33°C	91°F	8.71	29.72	8.29	28.29	2.10	8.37	28.54	8.37	28.54	2.32	7.95	27.13	7.95	27.13	2.55	7.09	24.19	7.09	24.19	2.89	6.87	23.44	6.87	23.44	6.87	23.44	3.30
			27°C	81°F	8.97	30.60	4.82	16.44	2.12	8.62	29.42	4.80	16.36	2.33	8.21	28.01	4.74	16.16	2.57	7.33	25.02	4.67	15.93	2.90	7.11	24.27	5.58	19.05	19.05	3.32	
		22°C (72°F)	30°C	86°F	9.13	31.14	5.86	19.99	2.12	8.78	29.96	5.80	19.80	2.34	8.37	28.54	5.70	19.46	2.57	7.48	25.53	5.55	18.93	2.91	7.26	24.78	6.46	22.05	22.05	3.33	
			33°C	91°F	9.29	31.69	6.70	22.87	2.13	8.94	30.50	6.62	22.59	2.34	8.53	29.09	6.49	22.15	2.57	7.63	26.05	6.27	21.39	2.91	7.41	25.30	7.19	24.53	24.53	3.33	
			36°C	97°F	9.23	31.49	7.49	25.55	2.12	8.88	30.31	7.37	25.16	2.33	8.47	28.89	7.21	24.59	2.57	7.58	25.86	6.90	23.55	2.90	7.36	25.11	7.36	25.11	7.36	25.11	3.32
1300	40		21°C	70°F	8.14	27.77	5.57	19.02	2.07	7.79	26.59	5.48	18.71	2.28	7.38	25.18	5.35	18.24	2.52	6.55	22.34	5.13	17.52	2.85	6.33	21.59	6.33	21.59	6.33	21.59	3.27
		16°C (61°F)	24°C	75°F	8.14	27.79	6.73	22.95	2.07	7.80	26.61	6.59	22.48	2.28	7.38	25.19	6.39	21.81	2.52	6.55	22.36	6.55	22.36	2.85	6.33	21.61	6.33	21.61	6.33	21.61	3.27
			27°C	81°F	8.21	28.01	8.21	28.01	2.07	7.86	26.83	7.86	26.83	2.28	7.45	25.41	7.45	25.41	2.52	6.61	22.57	6.61	22.57	2.85	6.39	21.82	6.39	21.82	6.39	21.82	3.27
			30°C	86°F	8.37	28.54	8.37	28.54	2.07	8.02	27.36	8.02	27.36	2.29	7.61	25.95	7.61	25.95	2.52	6.76	23.07	6.76	23.07	2.86	6.54	22.32	6.54	22.32	6.54	22.32	3.28
			24°C	75°F	8.40	28.65	5.58	19.04	2.06	8.05	27.47	5.50	18.77	2.28	7.64	26.05	5.38	18.35	2.51	6.79	23.17	5.19	17.70	2.85	6.57	22.42	5.99	20.45	20.45	3.27	
			19°C (66°F)	27°C	81°F	8.46	28.87	6.99	23.85	2.07	8.12	27.69	6.86	23.40	2.28	7.70	26.27	6.67	22.75	2.51	6.85	23.38	6.34	21.64	2.85	6.63	22.63	6.63	22.63	6.63	22.63
1300	40		30°C	86°F	8.62	29.40	8.02	27.37	2.07	8.27	28.22	7.86	26.80	2.28	7.86	26.81	7.63	26.02	2.52	7.00	23.89	7.00	23.89	2.85	6.78	23.14	6.78	23.14	6.78	23.14	3.27
			33°C	91°F	8.78	29.95	8.78	29.95	2.07	8.43	28.77	8.43	28.77	2.28	8.02	27.36	8.02	27.36	2.52	7.15	24.41	7.15	24.41	2.85	6.93	23.65	6.93	23.65	6.93	23.65	3.27
			27°C	81°F	9.04	30.83	5.39	18.38	2.09	8.69	29.65	5.34	18.24	2.30	8.28	28.24	5.26	17.96	2.54	7.40	25.24	5.14	17.55	2.87	7.18	24.49	6.06	20.67	20.67	3.29	
		22°C (72°F)	30°C	86°F	9.19	31.37	6.44	21.99	2.09	8.85	30.18	6.37	21.73	2.31	8.43	28.77	6.25	21.31	2.54	7.55	25.75	6.04	20.60	2.88	7.33	24.99	6.95	23.71	23.71	3.29	
			33°C	91°F	9.35	31.91	7.30	24.92	2.10	9.01	30.73	7.20	24.58	2.31	8.59	29.32	7.05	24.06	2.54	7.70	26.27	6.77	23.12	2.88	7.48	25.51	7.48	25.51	7.48	25.51	3.30
			36°C	97°F	9.30	31.72	8.09	27.60	2.09	8.95	30.54	7.96	27.15	2.30	8.53	29.12	7.77	26.50	2.54	7.64	26.08	7.41	25.28	2.87	7.42	25.33	7.42	25.33	7.42	25.33	3.29
1300	40		21°C	70°F	8.23	28.08	6.05	20.63	1.99	7.88	26.90	5.94	20.27	2.20	7.47	25.48	5.78	19.74	2.44	6.63	22.63	5.53	18.88	2.77	6.41	21.88	6.41	21.88	6.41	21.88	3.19
		16°C (61°F)	24°C	75°F	8.23	28.10	7.21	24.61	1.99	7.89	26.92	7.06	24.08	2.20	7.47	25.50	7.47	25.50	2.43	6.64	22.65	6.64	22.65	2.77	6.42	21.90	6.42	21.90	6.42	21.90	3.19
			27°C	81°F	8.30	28.32	8.30	28.32	1.99	7.95	27.14	7.95	27.14	2.20	7.54	25.72	7.54	25.72	2.44	6.70	22.86	6.70	22.86	2.77	6.48	22.11	6.48	22.11	6.48	22.11	3.19
			30°C	86°F	8.46	28.85	8.46	28.85	1.99	8.11	27.67	8.11	27.67	2.21	7.69	26.26	7.69	26.26	2.44	6.85	23.36	6.85	23.36	2.78	6.63	22.61	6.63	22.61	6.63	22.61	3.19
			24°C	75°F	8.49	28.96	6.06	20.69	1.98	8.14	27.77	5.97	20.37	2.19	7.73	26.36	5.83	19.88	2.43	6.88	23.46	5.60	19.09	2.76	6.66	22.71	6.40	21.85	21.85	3.18	
			19°C (66°F)	27°C	81°F	8.55	29.18	7.49	25.56	1.98	8.20	28.00	7.34	25.05	2.20	7.79	26.58	7.13	24.34	2.43	6.94	23.67	6.77	23.09	2.77	6.72	22.92	6.72	22.92	6.72	22.92
1300	40		30°C	86°F	8.71	29.71	8.54	29.14	1.99	8.36	28.53	8.36	28.52	2.20	7.95	27.11	7.95	27.11	2.43	7.08	24.16	7.08	24.16	2.77	6.87	23.43	6.87	23.43	6.87	23.43	3.19
			33°C	91°F	8.87	30.26	8.87	30.26	1.99	8.52	29.08	8.52	29.08	2.20	8.11	27.66	8.11	27.66	2.44	7.24	24.70	7.24	24.70	2.77	7.02	23.94	7.02	23.94	7.02	23.94	3.19
			27°C	81°F	9.13	31.14	5.90	20.12	2.01	8.78	29.96	5.84	19.92	2.22	8.37	28.54	5.74	19.57	2.45	7.48	25.53	5.58	19.03	2.79	7.26	24.78	6.49	22.15	22.15	3.21	
		22°C (72°F)	30°C	86°F	9.28	31.67	6.97	23.78	2.01	8.94	30.49	6.88	23.47	2.22	8.52	29.08	6.74	22.99	2.46	7.63	26.04	6.49	22.13	2.79	7.41	25.28	7.40	25.25	25.25	3.21	
			33°C	91°F	9.44	32.22	7.84	26.77	2.01	9.10	31.04	7.73	26.37	2.23	8.68	29.62	7.56	25.79	2.46	7.78	26.56	7.24	24.70	2.80	7.56	25.80	7.56	25.80	7.56	25.80	3.22
			36°C	97°F	9.39	32.02	8.64	29.47	2.01	9.04	30.84	8.49	28.96	2.22	8.62	29.43	8.28	28.25	2.45	7.73	26.37	7.73	26.37	2.79	7.51	25.62	7.51	25.62	7.51	25.62	3.21

LEGEND

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP: L Power Input

ESP: External Static Pressure

EDB: Entering Dry Bulb

EWB: Entering Wet Bulb

NOTES

1. Ratings shown are gross capacities.
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INDOOR				OUTDOOR TEMPERATURE																													
MEDIUM SPEED				30°C (86°F)						35°C (95°F)						40°C (104°F)						46°C (115°F)						52°C (126°F)					
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	TC			SC			PI	TC			SC			PI	TC			SC			PI	TC			SC			PI		
				kW	MBH	kW	kW	MBH	kW		kW	MBH	kW	kW	MBH	kW		kW	MBH	kW	kW	MBH	kW		kW	MBH	kW	kW	MBH	kW		kW	MBH
980	16°C (61°F)	21°C	70°F	8.03	27.39	4.59	15.66	2.01	7.68	26.21	4.54	15.47	2.22	7.27	24.80	4.44	15.16	2.46	6.80	23.20	4.56	15.56	2.79	6.57	22.41	6.57	22.41	3.21					
		24°C	75°F	8.03	27.41	5.72	19.53	2.01	7.69	26.23	5.62	19.19	2.22	7.27	24.81	5.47	18.67	2.45	6.80	23.22	6.80	23.22	2.79	6.57	22.42	6.57	22.42	3.21					
		27°C	81°F	8.10	27.63	8.10	27.63	2.01	7.75	26.45	7.75	26.45	2.22	7.34	25.04	7.34	25.04	2.46	6.87	23.44	6.87	23.44	2.79	6.64	22.65	6.64	22.65	3.21					
		30°C	86°F	8.25	28.16	8.25	28.16	2.01	7.91	26.98	7.91	26.98	2.23	7.49	25.57	7.49	25.57	2.46	7.03	23.97	7.03	23.97	2.80	6.79	23.18	6.79	23.18	3.22					
		24°C	75°F	8.29	28.27	4.57	15.58	2.00	7.94	27.09	4.53	15.44	2.21	7.52	25.67	4.45	15.17	2.45	7.06	24.08	4.59	15.66	2.79	6.82	23.28	5.45	18.60	3.20					
	19°C (66°F)	27°C	81°F	8.35	28.49	5.95	20.31	2.00	8.00	27.31	5.86	19.98	2.22	7.59	25.89	5.71	19.49	2.45	7.12	24.30	5.78	19.73	2.79	6.89	23.50	6.89	23.50	3.21					
		30°C	86°F	8.51	29.02	6.95	23.73	2.01	8.16	27.84	6.83	23.29	2.22	7.75	26.43	6.64	22.66	2.45	7.28	24.83	7.28	24.83	2.79	7.05	24.04	7.05	24.04	3.21					
		33°C	91°F	8.67	29.57	7.78	26.54	2.01	8.32	28.39	8.32	28.39	2.22	7.91	26.98	7.91	26.98	2.46	7.44	25.38	7.44	25.38	2.79	7.21	24.59	7.21	24.59	3.21					
		27°C	81°F	8.93	30.45	4.31	14.70	2.03	8.58	29.27	4.30	14.68	2.24	8.16	27.86	4.27	14.56	2.47	7.70	26.26	4.48	15.29	2.81	7.46	25.47	5.45	18.60	3.23					
		30°C	86°F	9.08	30.99	5.34	18.21	2.03	8.74	29.81	5.30	18.08	2.24	8.32	28.39	5.22	17.81	2.48	7.85	26.79	5.39	18.40	2.81	7.62	26.00	6.37	21.72	3.23					
1055	16°C (61°F)	33°C	91°F	9.24	31.53	6.17	21.05	2.03	8.90	30.35	6.11	20.83	2.25	8.48	28.94	6.00	20.46	2.48	8.01	27.34	6.14	20.96	2.82	7.78	26.55	7.12	24.30	3.24					
		36°C	97°F	9.18	31.34	6.95	23.72	2.03	8.84	30.16	6.86	23.39	2.24	8.42	28.74	6.71	22.90	2.47	7.96	27.14	6.81	23.24	2.81	7.72	26.35	7.72	26.35	3.23					
		21°C	70°F	8.07	27.54	5.03	17.15	1.99	7.72	26.35	4.96	16.91	2.20	7.31	24.94	4.84	16.52	2.44	6.84	23.34	4.94	16.86	2.77	6.61	22.55	6.61	22.55	3.19					
		24°C	75°F	8.08	27.55	6.17	21.05	1.99	7.73	26.37	6.05	20.64	2.20	7.31	24.96	5.88	20.06	2.44	6.85	23.36	6.85	23.36	2.77	6.61	22.57	6.61	22.57	3.19					
		27°C	81°F	8.14	27.77	8.14	27.77	1.99	7.79	26.59	7.79	26.59	2.20	7.38	25.18	7.38	25.18	2.44	6.91	23.58	6.91	23.58	2.77	6.68	22.79	6.68	22.79	3.19					
	19°C (66°F)	30°C	86°F	8.30	28.31	8.30	28.31	1.99	7.95	27.13	7.95	27.13	2.21	7.54	25.71	7.54	25.71	2.44	7.07	24.11	7.07	24.11	2.78	6.83	23.32	6.83	23.32	3.20					
		24°C	75°F	8.33	28.41	5.02	17.12	1.98	7.98	27.23	4.96	16.92	2.20	7.57	25.82	4.86	16.58	2.43	7.10	24.22	4.98	16.99	2.77	6.87	23.43	5.84	19.92	3.19					
		27°C	81°F	8.39	28.63	6.41	21.88	1.98	8.05	27.45	6.30	21.49	2.20	7.63	26.04	6.13	20.93	2.43	7.16	24.44	6.18	21.10	2.77	6.93	23.65	6.93	23.65	3.19					
		30°C	86°F	8.55	29.17	7.43	25.34	1.99	8.20	27.98	7.28	24.84	2.20	7.79	26.57	7.08	24.14	2.44	7.32	24.97	7.32	24.97	2.77	7.09	24.18	7.09	24.18	3.19					
		33°C	91°F	8.71	29.71	8.26	28.19	1.99	8.36	28.53	8.36	28.53	2.20	7.95	27.12	7.95	27.12	2.44	7.48	25.52	7.48	25.52	2.77	7.25	24.73	7.25	24.73	3.19					
1130	16°C (72°F)	27°C	81°F	8.97	30.59	4.79	16.34	2.01	8.62	29.41	4.77	16.26	2.22	8.21	28.00	4.71	16.07	2.46	7.74	26.40	4.90	16.72	2.79	7.51	25.61	5.87	20.02	3.21					
		30°C	86°F	9.12	31.13	5.83	19.89	2.01	8.78	29.95	5.77	19.70	2.23	8.36	28.53	5.68	19.36	2.46	7.89	26.94	5.83	19.88	2.80	7.66	26.14	6.79	23.18	3.21					
		33°C	91°F	9.28	31.68	6.67	22.77	2.02	8.94	30.49	6.59	22.49	2.23	8.52	29.08	6.46	22.06	2.46	8.05	27.48	6.59	22.48	2.80	7.82	26.69	7.56	25.80	3.22					
		36°C	97°F	9.23	31.48	7.46	25.44	2.01	8.88	30.30	7.34	25.06	2.22	8.47	28.88	7.18	24.49	2.46	8.00	27.29	7.26	24.76	2.79	7.76	26.49	7.76	26.49	3.21					
		21°C	70°F	8.11	27.69	5.40	18.42	1.96	7.77	26.51	5.32	18.13	2.18	7.35	25.09	5.19	17.69	2.41	6.89	23.50	5.27	17.96	2.75	6.65	22.70	6.65	22.70	3.17					
	19°C (66°F)	24°C	75°F	8.12	27.70	6.55	22.34	1.96	7.77	26.52	6.42	21.89	2.18	7.36	25.11	6.23	21.25	2.41	6.89	23.51	6.89	23.51	2.75	6.66	22.72	6.66	22.72	3.17					
		27°C	81°F	8.18	27.93	8.18	27.93	1.97	7.84	26.74	7.84	26.74	2.18	7.42	25.33	7.42	25.33	2.41	6.96	23.73	6.96	23.73	2.75	6.72	22.94	6.72	22.94	3.17					
		30°C	86°F	8.34	28.46	8.34	28.46	1.97	7.99	27.28	7.99	27.28	2.18	7.58	25.86	7.58	25.86	2.42	7.11	24.27	7.11	24.27	2.75	6.88	23.47	6.88	23.47	3.17					
		24°C	75°F	8.37	28.56	5.40	18.42	1.96	8.03	27.38	5.33	18.18	2.17	7.61	25.97	5.32	18.14	2.74	7.14	24.37	5.32	18.14	2.74	6.91	23.58	6.17	21.05	3.16					
		27°C	81°F	8.44	28.78	6.80	23.22	1.96	8.09	27.60	6.68	22.78	2.17	7.68	26.19	6.50	22.16	2.41	7.21	24.59	6.53	22.28	2.74	6.97	23.80	6.97	23.80	3.16					
40	19°C (66°F)	30°C	86°F	8.59	29.32	7.83	26.72	1.96	8.25	28.14	7.67	26.17	2.18	7.83	26.72	7.45	25.42	2.41	7.36	25.13	7.36	25.13	2.75	7.13	24.33	7.13	24.33	3.17					
		33°C	91°F	8.75	29.87	8.68	29.61	1.97	8.41	28.68	8.41	28.68	2.18	7.99	27.27	7.99	27.27	2.41	7.52	25.67	7.52	25.67	2.75	7.29	24.88	7.29	24.88	3.17					
		27°C	81°F	9.01	30.75	5.20	17.73	1.98	8.67	29.57	5.16	17.61	2.20	8.25	28.15	5.09	17.35	2.43	7.78	26.55	5.26	17.95	2.77	7.55	25.76	6.22	21.24	3.19					
		30°C	86°F	9.17	31.28	6.25	21.32	1.99	8.82	30.10	6.18	21.08	2.20	8.41	28.68	6.06	20.69	2.43	7.94	27.09	6.20	21.15	2.77	7.71	26.29	7.16	24.43	3.19					
		33°C	91°F	9.33	31.83	7.10	24.23	1.99	8.98	30.65	7.01	23.91	2.20	8.57	29.23	6.86	23.42	2.44	8.10	27.64	6.97	23.78	2.77	7.87	26.84	7.87	26.84	3.19					
LEGEND		36°C	97°F	9.27	31.63	7.89	26.91	1.98	8.92	30.45	7.76	26.48	2.20	8.51	29.04	7.58	25.86	2.43	8.04	27.44	7.64	26.07	2.77	7.81	26.65	7.81	26.65	3.18					
				NOTES																													

ESP: External Static Pressure
 EDB: Entering Dry Bulb
 EWB: Entering Wet Bulb

1. Ratings shown are gross capacities.
 2. Shaded areas reflect nominal capacities.
 3. Direct interpretation is permissible. Do not extrapolate.
 4. Unit is able to operate at ambient from 19°C to 54°C DB without pressure trip.

INDOOR LOW SPEED				OUTDOOR TEMPERATURE																								
AIRFLOW (CFM)	ESP (PA)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)								
				TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI						
				KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	
780	60	16°C (61°F)	21°C	7.93	27.04	2.99	10.21	1.94	7.58	25.86	3.01	10.26	2.15	7.17	24.45	2.99	10.21	2.39	6.70	22.85	3.19	10.90	2.72	6.47	22.06	6.47	22.06	3.14
			24°C	7.93	27.06	4.11	14.04	1.94	7.59	25.88	4.08	13.91	2.15	7.17	24.47	4.00	13.66	2.38	6.70	22.87	6.70	22.87	2.72	6.47	22.08	6.47	22.08	3.14
			27°C	8.00	27.28	5.44	18.56	1.94	7.65	26.10	7.65	26.10	2.15	7.23	24.69	7.23	24.69	2.39	6.77	23.09	6.77	23.09	2.72	6.53	22.30	6.53	22.30	3.14
			30°C	8.15	27.82	8.15	27.82	1.94	7.81	26.63	7.81	26.63	2.15	7.39	25.22	7.39	25.22	2.39	6.92	23.62	6.92	23.62	2.73	6.69	22.83	6.69	22.83	3.14
			24°C	8.18	27.92	2.92	9.98	1.93	7.84	26.74	2.95	10.06	2.14	7.42	25.32	2.95	10.06	2.38	6.95	23.73	3.18	10.83	2.71	6.72	22.93	4.07	13.88	3.13
	60	19°C (66°F)	27°C	8.25	28.14	4.28	14.60	1.93	7.90	26.96	4.25	14.50	2.15	7.49	25.54	4.18	14.27	2.38	7.02	23.95	4.34	14.81	2.72	6.79	23.15	6.79	23.15	3.13
			30°C	8.40	28.67	5.24	17.89	1.94	8.06	27.49	5.18	17.67	2.15	7.64	26.08	5.07	17.30	2.38	7.18	24.48	7.18	24.48	2.72	6.94	23.69	6.94	23.69	3.14
			33°C	8.56	29.22	6.03	20.56	1.94	8.22	28.04	8.22	28.04	2.15	7.80	26.63	7.80	26.63	2.39	7.34	25.03	7.34	25.03	2.72	7.10	24.24	7.10	24.24	3.14
			27°C	8.82	30.10	2.55	8.70	1.96	8.48	28.92	2.61	8.90	2.17	8.06	27.51	2.65	9.04	2.40	7.59	25.91	2.95	10.06	2.74	7.36	25.12	3.95	13.48	3.16
			30°C	8.98	30.64	3.54	12.07	1.96	8.63	29.46	3.56	12.15	2.17	8.22	28.04	3.56	12.16	2.41	7.75	26.44	3.82	13.04	2.74	7.52	25.65	4.82	16.46	3.16
960	40	16°C (61°F)	33°C	9.14	31.18	4.33	14.77	1.96	8.79	30.00	4.33	14.78	2.18	8.38	28.59	4.30	14.68	2.41	7.91	26.99	4.53	15.46	2.75	7.68	26.20	5.54	18.90	3.17
			36°C	9.08	30.99	5.11	17.45	1.96	8.74	29.81	5.08	17.35	2.17	8.32	28.39	5.02	17.12	2.40	7.85	26.80	5.20	17.75	2.74	7.62	26.00	7.62	26.00	3.16
			21°C	8.02	27.36	4.46	15.21	1.92	7.67	26.18	4.41	15.05	2.14	7.26	24.76	4.32	14.75	2.37	6.79	23.17	4.45	15.18	2.71	6.56	22.37	6.56	22.37	3.12
			24°C	8.02	27.37	5.59	19.09	1.92	7.68	26.19	5.50	18.76	2.13	7.26	24.78	5.35	18.26	2.37	6.79	23.18	6.79	23.18	2.70	6.56	22.39	6.56	22.39	3.12
			27°C	8.09	27.59	8.09	27.59	1.92	7.74	26.41	7.74	26.41	2.14	7.33	25.00	7.33	25.00	2.37	6.86	23.40	6.86	23.40	2.71	6.63	22.61	6.63	22.61	3.13
	40	19°C (66°F)	30°C	8.24	28.13	8.24	28.13	1.93	7.90	26.95	7.90	26.95	2.14	7.48	25.53	7.48	25.53	2.37	7.02	23.94	7.02	23.94	2.71	6.78	23.14	6.78	23.14	3.13
			24°C	8.27	28.23	4.43	15.13	1.92	7.93	27.05	4.40	15.00	2.13	7.51	25.64	4.32	14.75	2.36	7.05	24.04	4.47	15.27	2.70	6.81	23.25	5.34	18.21	3.12
			27°C	8.34	28.45	5.82	19.84	1.92	7.99	27.27	5.73	19.53	2.13	7.58	25.86	5.59	19.06	2.36	7.11	24.26	5.66	19.33	2.70	6.88	23.47	6.88	23.47	3.12
			30°C	8.50	28.99	6.82	23.25	1.92	8.15	27.81	6.69	22.83	2.13	7.73	26.39	6.51	22.22	2.37	7.27	24.79	7.27	24.79	2.70	7.03	24.00	7.03	24.00	3.12
			33°C	8.66	29.53	7.64	26.05	1.92	8.31	28.35	8.31	28.35	2.14	7.90	26.94	7.90	26.94	2.37	7.43	25.34	7.43	25.34	2.71	7.19	24.55	7.19	24.55	3.13
	22°C (72°F)		27°C	8.91	30.42	4.17	14.22	1.94	8.57	29.23	4.17	14.22	2.15	8.15	27.82	4.14	14.11	2.39	7.69	26.22	4.36	14.86	2.72	7.45	25.43	5.33	18.19	3.14
			30°C	9.07	30.95	5.19	17.71	1.95	8.72	29.77	5.16	17.60	2.16	8.31	28.35	5.09	17.35	2.39	7.84	26.76	5.27	17.97	2.73	7.61	25.96	6.24	21.29	3.15
			33°C	9.23	31.50	6.02	20.54	1.95	8.89	30.32	5.96	20.34	2.16	8.47	28.90	5.86	20.00	2.40	8.00	27.30	6.01	20.52	2.73	7.77	26.51	6.99	23.86	3.15
			36°C	9.17	31.30	6.80	23.21	1.94	8.83	30.12	6.71	22.90	2.15	8.41	28.70	6.57	22.43	2.39	7.95	27.11	6.68	22.79	2.72	7.71	26.31	7.71	26.31	3.14

LEGEND

TC: Total Cooling Capacity

SC: Sensible Cooling Capacity

IP: L Power Input

ESP: External Static Pressure

EDB: Entering Dry Bulb

EWB: Entering Wet Bulb

NOTES

1. Ratings shown are gross capacities.

2. Shaded areas reflect nominal capacities.

3. Direct interpretation is permissible. Do not extrapolate.

4. Unit is able to operate at ambient from 19°C to 54°C DB without pressure trip.

INDOOR					OUTDOOR TEMPERATURE																										
AIRFLOW (CFM)	ESP (Pa)	HIGH SPEED	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)										
					TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI		TC	SC	PI								
					KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH			
960	120	16°C (61°F)			21°C	70°F	9.64	32.89	3.79	12.93	2.44	9.22	31.46	3.79	12.94	2.71	8.72	29.74	3.76	12.83	3.00	7.68	26.20	3.75	12.80	3.41	7.41	25.29	7.41	25.29	3.93
					24°C	75°F	9.65	32.91	5.10	17.41	2.44	9.23	31.48	5.05	17.23	2.70	8.72	29.76	4.95	16.88	2.99	7.68	26.22	7.68	26.22	3.41	7.42	25.31	7.42	25.31	3.92
					27°C	81°F	9.72	33.18	6.66	22.72	2.44	9.30	31.75	9.30	31.75	2.71	8.80	30.03	8.80	30.03	3.00	7.76	26.47	7.76	26.47	3.41	7.49	25.57	7.49	25.57	3.93
					30°C	86°F	9.91	33.83	9.91	33.83	2.45	9.49	32.40	9.49	32.40	2.71	8.99	30.68	8.99	30.68	3.00	7.94	27.08	7.94	27.08	3.41	7.67	26.18	7.67	26.18	3.93
					24°C	75°F	9.95	33.96	3.72	12.68	2.44	9.53	32.52	3.73	12.73	2.70	9.03	30.80	3.72	12.68	2.99	7.97	27.20	3.74	12.76	3.40	7.71	26.30	4.72	16.10	3.92
					27°C	81°F	10.03	34.22	5.31	18.11	2.44	9.61	32.79	5.26	17.95	2.70	9.11	31.07	5.17	17.63	2.99	8.05	27.46	5.03	17.16	3.40	7.78	26.55	7.78	26.55	3.92
1440	75	19°C (66°F)			30°C	86°F	10.22	34.87	6.44	21.98	2.44	9.80	33.44	6.35	21.68	2.70	9.30	31.72	6.21	21.21	2.99	8.23	28.07	8.23	28.07	3.41	7.96	27.16	7.96	27.16	3.92
					33°C	91°F	10.42	35.54	7.37	25.13	2.45	10.00	34.10	10.00	34.10	2.71	9.49	32.38	9.49	32.38	3.00	8.41	28.69	8.41	28.69	3.41	8.14	27.79	8.14	27.79	3.93
					27°C	81°F	10.73	36.61	3.30	11.26	2.47	10.31	35.17	3.36	11.46	2.73	9.81	33.45	3.39	11.57	3.02	8.71	29.70	3.51	11.98	3.43	8.44	28.79	4.61	15.73	3.95
					30°C	86°F	10.92	37.26	4.46	15.22	2.47	10.50	35.82	4.48	15.29	2.73	10.00	34.10	4.47	15.24	3.02	8.88	30.31	4.48	15.29	3.44	8.62	29.40	5.58	19.04	3.95
					33°C	91°F	11.11	37.92	5.40	18.41	2.48	10.69	36.49	5.39	18.38	2.74	10.19	34.77	5.34	18.21	3.03	9.07	30.94	5.27	17.98	3.44	8.80	30.03	6.38	21.75	3.96
					36°C	97°F	11.04	37.68	6.31	21.54	2.47	10.62	36.25	6.27	21.38	2.73	10.12	34.53	6.17	21.06	3.02	9.00	30.71	6.01	20.50	3.43	8.74	29.81	8.74	29.81	3.95
1550	60	22°C (72°F)			21°C	70°F	9.91	33.83	6.70	22.87	2.47	9.49	32.40	6.59	22.49	2.73	8.99	30.68	6.42	21.91	3.02	7.94	27.08	6.13	20.90	3.43	7.67	26.18	7.67	26.18	3.95
					24°C	75°F	9.92	33.85	8.06	27.49	2.47	9.50	32.42	7.89	26.91	2.73	9.00	30.70	7.65	26.10	3.02	7.94	27.10	7.94	27.10	3.43	7.68	26.19	7.68	26.19	3.95
					27°C	81°F	10.00	34.12	10.00	34.12	2.47	9.58	32.68	9.58	32.68	2.73	9.08	30.96	9.08	30.96	3.02	8.02	27.36	8.02	27.36	3.43	7.75	26.45	7.75	26.45	3.95
					30°C	86°F	10.19	34.77	10.19	34.77	2.47	9.77	33.33	9.77	33.33	2.74	9.27	31.61	9.27	31.61	3.02	8.20	27.97	8.20	27.97	3.44	7.93	27.06	7.93	27.06	3.95
					24°C	75°F	10.23	34.89	6.71	22.90	2.46	9.81	33.46	6.61	22.57	2.72	9.30	31.74	6.46	22.05	3.01	8.23	28.09	6.19	21.12	3.42	8.23	28.09	6.19	21.12	3.42
					27°C	81°F	10.30	35.16	8.37	28.56	2.46	9.88	33.73	8.21	28.00	2.72	9.38	32.01	7.98	27.22	3.01	8.31	28.34	7.54	25.73	3.43	8.04	27.43	8.04	27.43	3.94

LEGEND

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP: L Power Input

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

INDOOR					OUTDOOR TEMPERATURE																													
AIRFLOW (CFM)	ESP (PA)	MEDIUM SPEED	EWB	EDB	30°C (86°F)						35°C (95°F)						40°C (104°F)						46°C (115°F)						52°C (126°F)					
					TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI
380	60	16°C (61°F)			21°C	70°F	9.43	32.18	-1.37	-4.69	2.24	9.01	30.74	-1.15	-3.92	2.51	8.51	29.02	-0.91	-3.12	2.80	7.94	27.09	-0.40	-1.36	3.21	7.66	26.12	0.71	2.43	3.73			
					24°C	75°F	9.44	32.20	-0.09	-0.31	2.24	9.02	30.76	0.08	0.26	2.50	8.51	29.05	0.24	0.83	2.79	7.94	27.11	0.68	2.33	3.21	7.66	26.14	7.66	26.14	3.72			
					27°C	81°F	9.52	32.47	1.39	4.74	2.24	9.09	31.03	1.49	5.09	2.51	8.59	29.31	8.59	29.31	2.80	8.02	27.37	8.02	27.37	3.21	7.74	26.41	7.74	26.41	3.73			
					30°C	86°F	9.71	33.11	9.71	33.11	2.25	9.28	31.68	9.28	31.68	2.51	8.78	29.96	8.78	29.96	2.80	8.21	28.02	8.21	28.02	3.21	7.93	27.06	7.93	27.06	3.73			
					24°C	75°F	9.74	33.24	-1.61	-5.50	2.24	9.32	31.81	-1.37	-4.68	2.50	8.82	30.09	-1.12	-3.82	2.79	8.25	28.15	-0.58	-1.96	3.20	7.97	27.19	0.58	1.99	3.72			
	60	19°C (66°F)			27°C	81°F	9.82	33.51	-0.09	-0.32	2.24	9.40	32.07	0.08	0.27	2.50	8.90	30.36	0.26	0.87	2.79	8.33	28.42	0.72	2.45	3.20	8.05	27.45	1.84	6.29	3.72			
					30°C	86°F	10.01	34.16	0.92	3.12	2.24	9.59	32.72	1.05	3.58	2.50	9.09	31.00	1.18	4.02	2.79	8.52	29.07	1.59	5.44	3.21	8.24	28.10	8.24	28.10	3.72			
					33°C	91°F	10.21	34.82	1.72	5.86	2.25	9.79	33.39	1.83	6.23	2.51	9.28	31.67	1.98	6.23	2.80	8.71	29.73	8.71	29.73	3.21	8.43	28.77	8.43	28.77	3.73			
					27°C	81°F	10.52	35.89	-2.43	-8.30	2.27	10.10	34.46	-2.15	-7.34	2.53	9.60	32.74	-1.85	-6.32	2.82	9.03	30.80	-1.22	-4.18	3.23	8.74	29.84	0.07	0.22	3.75			
					30°C	86°F	10.71	36.54	-1.39	-4.76	2.27	10.29	35.11	-1.15	-3.94	2.53	9.79	33.39	-0.90	-3.07	2.82	9.22	31.45	-0.32	-1.09	3.24	8.93	30.48	0.97	3.31	3.75			
505	50	22°C (72°F)			33°C	91°F	10.90	37.20	-0.58	-1.98	2.28	10.48	35.77	-0.37	-1.26	2.54	9.98	34.05	-0.15	-0.51	2.83	9.41	32.11	0.40	1.36	3.24	9.13	31.15	1.69	5.78	3.76			
					36°C	97°F	10.83	36.97	0.36	1.22	2.27	10.41	35.53	0.53	1.81	2.53	9.91	33.81	0.71	2.41	2.82	9.34	31.87	1.20	4.10	3.23	9.06	30.91	9.06	30.91	3.75			
					21°C	70°F	9.78	33.36	5.68	19.37	2.40	9.36	31.93	5.60	19.11	2.67	8.85	30.21	5.48	18.69	2.95	8.29	28.27	5.60	19.12	3.37	8.00	27.31	8.00	27.31	3.88			
					24°C	75°F	9.78	33.38	7.01	23.92	2.40	9.36	31.95	6.88	23.47	2.66	8.86	30.23	6.69	22.82	2.95	8.29	28.29	8.29	28.29	3.37	8.01	27.33	8.01	27.33	3.88			
					27°C	81°F	9.86	33.65	9.86	33.65	2.40	9.44	32.22	9.44	32.22	2.67	8.94	30.50	8.94	30.50	2.96	8.37	28.56	8.37	28.56	3.37	8.09	27.60	8.09	27.60	3.89			
	50	19°C (66°F)			30°C	86°F	10.05	34.30	10.05	34.30	2.41	9.63	32.87	9.63	32.87	2.67	9.13	31.15	9.13	31.15	2.96	8.56	29.21	8.56	29.21	3.37	8.28	28.25	8.28	28.25	3.89			
					24°C	75°F	10.09	34.43	5.66	19.31	2.40	9.67	32.99	5.60	19.10	2.66	9.17	31.27	5.49	18.74	2.95	8.60	29.34	5.64	19.26	3.36	8.32	28.37	6.65	22.69	3.88			
					27°C	81°F	10.17	34.69	7.29	24.86	2.40	9.75	33.26	7.16	24.44	2.66	9.24	31.54	6.98	23.81	2.95	8.68	29.60	7.05	24.05	3.36	8.39	28.64	8.39	28.64	3.88			
					30°C	86°F	10.36	35.34	8.47	28.90	2.40	9.94	33.91	8.31	28.34	2.66	9.43	32.19	8.08	27.55	2.95	8.87	30.25	8.87	30.25	3.37	8.58	29.29	8.58	29.29	3.88			
					33°C	91°F	10.55	36.01	9.44	32.21	2.41	10.13	34.57	10.13	34.57	2.67	9.63	32.85	9.63	32.85	2.96	9.06	30.92	9.06	30.92	3.37	8.78	29.95	8.78	29.95	3.89			
630	40	22°C (72°F)			27°C	81°F	10.87	37.08	5.38	18.35	2.43	10.45	35.64	5.36	18.29	2.69	9.94	33.92	5.30	18.09	2.98	9.37	31.99	5.54	18.89	3.39	9.09	31.02	6.67	22.76	3.91			
					30°C	86°F	11.06	37.73	6.59	22.48	2.43	10.64	36.29	6.53	22.29	2.69	10.13	34.57	6.43	21.93	2.98	9.56	32.63	6.62	22.57	3.40	9.28	31.67	7.75	26.44	3.91			
					33°C	91°F	11.25	38.39	7.57	25.84	2.44	10.83	36.96	7.49	25.54	2.70	10.33	35.24	7.35	25.06	2.99	9.76	33.30	7.50	25.59	3.40	9.48	32.34	8.64	29.48	3.92			
					36°C	97°F	11.18	38.15	8.49	28.96	2.43	10.76	36.72	8.36	28.54	2.69	10.26	35.00	8.18	27.91	2.98	9.69	33.06	8.28	28.26	3.39	9.41	32.10	9.41	32.10	3.91			
					21°C	70°F	9.86	33.63	6.33	21.60	2.38	9.44	32.19	6.23	21.27	2.64	8.93	30.48	6.08	20.74	2.93	8.36	28.54	6.17	21.06	3.35	8.08	27.57	8.08	27.57	3.86			
	40	19°C (66°F)			24°C	75°F	9.86	33.65	7.68	26.19	2.38	9.44	32.21	7.52	25.66	2.64	8.94	30.50	7.30	24.91	2.93	8.37	28.56	8.37	28.56	3.35	8.09	27.59	8.09	27.59	3.86			
					27°C	81°F	9.94	33.92	9.94	33.92	2.38	9.52	32.48	9.52	32.48	2.65	9.02	30.76	9.02	30.76	2.93	8.45	28.83	8.45	28.83	3.35	8.17	27.86	8.17	27.86	3.86			
					30°C	86°F	10.13	34.56	10.13	34.56	2.39	9.71	33.13	9.71	33.13	2.65	9.21	31.41	9.21	31.41	2.94	8.64	29.47	8.64	29.47	3.35	8.36	28.51	8.36	28.51	3.87			
					24°C	75°F	10.17	34.69	6.33	21.61	2.37	9.75	33.26	6.25	21.32	2.64	9.24	31.54	6.11	20.85	2.93	8.68	29.60	6.23	21.27	3.34	8.39	28.64	7.23	24.67	3.86			
					27°C	81°F	10.25	34.96	7.98	27.22	2.38	9.83	33.52	7.83	26.71	2.64	9.32	31.81	7.61	25.98	2.93	8.75	29.87	7.65	26.11	3.34	8.47	28.90	8.47	28.90	3.86			
40	19°C (66°F)			30°C	86°F	10.44	35.61	9.18	31.32	2.38	10.02	34.17	8.99	30.68	2.64	9.51	32.45	8.73	29.79	2.93	8.94	30.52	8.94	30.52	3.35	8.66	29.55	8.66	29.55	3.86				
				33°C	91°F	10.63	36.27	10.17	34.70	2.38	10.21	34.84	10.21	34.84	2.65	9.71	33.12	9.71	33.12	2.94	9.14	31.18	9.14	31.18	3.35	8.86	30.22	8.86	30.22	3.87				
				27°C	81°F	10.94	37.34	6.10	20.80	2.41	10.52	35.91	6.05	20.65	2.67	10.02	34.19	5.96	20.35	2.96	9.45	32.25	6.17	21.05	3.37	9.17	31.29	7.30	24.90	3.89				
				30°C	86°F	11.13	37.99	7.33	25.00	2.41	10.71	36.56	7.24	24.72	2.67	10.21	34.84	7.11	24.26	2.96	9.64	32.90	7.27	24.79	3.38	9.36	31.94	8.39	28.64	3.89				
				33°C	91°F	11.33	38.66	8.33	28.41	2.41	10.91	37.22	8.22	28.03	2.68	10.41	35.50	8.05	27.45	2.96	9.84	33.56	8.17	27.88	3.38	9.55	32.60	9.30	31.74	3.90				
					36°C	97°F	11.26	38.42	9.25	31.54	2.41	10.84	36.98	9.10	31.04	2.67	10.34	35.26	8.88	30.31	2.96	9.77	33.33	8.95	30.55	3.37	9.48	32.36	9.48	32.36	3.89			

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP:L: Power Input

INDOOR LOW SPEED				OUTDOOR TEMPERATURE																									
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)									
				TC	SC	PI	MBH	KW	TC	SC	PI	MBH	KW	TC	SC	PI	MBH	KW	TC	SC	PI	MBH	KW	TC	SC	PI	MBH	KW	
700	100	16°C (61°F)	21°C	70°F	9.50	32.41	0.56	1.90	2.27	9.08	30.98	0.70	2.38	2.53	8.58	29.26	0.83	2.83	2.82	8.01	27.32	1.23	4.21	3.23	7.72	26.36	7.72	26.36	3.75
			24°C	75°F	9.50	32.43	1.85	6.31	2.27	9.08	31.00	1.93	6.59	2.53	8.58	29.28	2.00	6.82	2.82	8.01	27.34	2.33	7.93	3.23	7.73	26.38	7.73	26.38	3.75
			27°C	81°F	9.58	32.70	3.36	11.46	2.27	9.16	31.26	9.16	31.26	2.53	8.66	29.55	8.66	29.55	2.82	8.09	27.61	8.09	27.61	3.23	7.81	26.64	7.81	26.64	3.75
			30°C	86°F	9.77	33.35	9.77	33.35	2.27	9.35	31.91	9.35	31.91	2.53	8.85	30.19	8.85	30.19	2.82	8.28	28.26	8.28	28.26	3.24	8.00	27.29	8.00	27.29	3.75
			24°C	75°F	9.81	33.47	0.38	1.30	2.26	9.39	32.04	0.54	1.83	2.52	8.89	30.32	0.69	2.34	2.81	8.32	28.38	1.12	3.82	3.22	8.04	27.42	2.23	7.61	3.74
			27°C	81°F	9.89	33.74	1.93	6.57	2.26	9.47	32.31	2.02	6.88	2.52	8.97	30.59	2.09	7.13	2.81	8.40	28.65	2.44	8.32	3.23	8.11	27.69	3.52	12.00	3.74
			30°C	86°F	10.08	34.39	2.98	10.17	2.27	9.66	32.96	3.03	10.34	2.53	9.16	31.24	3.06	10.43	2.82	8.59	29.30	3.36	11.47	3.23	8.30	28.33	8.30	28.33	3.75
1040	75	19°C (66°F)	33°C	91°F	10.27	35.05	3.83	13.07	2.27	9.85	33.62	3.85	13.14	2.53	9.35	31.90	9.35	31.90	2.82	8.78	29.96	8.78	29.96	3.23	8.50	29.00	8.50	29.00	3.75
			27°C	81°F	10.59	36.12	-0.28	-0.97	2.29	10.17	34.69	-0.09	-0.30	2.55	9.66	32.97	0.11	0.38	2.84	9.10	31.03	0.63	2.13	3.25	8.81	30.07	1.87	6.37	3.77
			30°C	86°F	10.78	36.77	0.80	2.73	2.29	10.36	35.34	0.96	3.26	2.56	9.85	33.62	1.11	3.78	2.85	9.29	31.68	1.58	5.38	3.26	9.00	30.72	2.82	9.61	3.78
			33°C	91°F	10.97	37.44	1.66	5.66	2.30	10.55	36.00	1.79	6.09	2.56	10.05	34.28	1.90	6.49	2.85	9.48	32.35	2.34	7.98	3.26	9.20	31.38	3.59	12.23	3.78
			36°C	97°F	10.90	37.20	2.59	8.83	2.29	10.48	35.76	2.68	9.13	2.55	9.98	34.05	2.75	9.38	2.84	9.41	32.11	3.13	10.69	3.25	9.13	31.14	9.13	31.14	3.77
			21°C	70°F	9.68	33.03	4.47	15.26	2.35	9.26	31.60	4.44	15.17	2.61	8.76	29.88	4.38	14.94	2.90	8.19	27.94	4.57	15.58	3.31	7.91	26.98	7.91	26.98	3.83
			24°C	75°F	9.69	33.05	5.79	19.76	2.34	9.27	31.62	5.71	19.48	2.61	8.76	29.90	5.57	19.02	2.90	8.20	27.96	8.20	27.96	3.31	7.91	27.00	7.91	27.00	3.83
1180	60	22°C (72°F)	27°C	81°F	9.77	33.32	7.36	25.11	2.35	9.35	31.89	9.35	31.89	2.61	8.84	30.17	8.84	30.17	2.90	8.27	28.23	8.27	28.23	3.31	7.99	27.27	7.99	27.27	3.83
			30°C	86°F	9.96	33.97	9.96	33.97	2.35	9.54	32.54	9.54	32.54	2.61	9.03	30.82	9.03	30.82	2.90	8.46	28.88	8.46	28.88	3.32	8.18	27.91	8.18	27.91	3.83
			24°C	75°F	9.99	34.10	4.42	15.08	2.34	9.57	32.66	4.41	15.04	2.60	9.07	30.94	4.36	14.87	2.89	8.50	29.01	4.57	15.60	3.30	8.22	28.04	8.22	28.04	3.82
			27°C	81°F	10.07	34.36	6.02	20.55	2.34	9.65	32.93	5.95	20.29	2.60	9.15	31.21	5.82	19.86	2.89	8.58	29.27	5.95	20.31	3.30	8.30	28.31	8.30	28.31	3.82
			30°C	86°F	10.26	35.01	7.17	24.47	2.34	9.84	33.58	7.06	24.08	2.61	9.34	31.86	6.88	23.49	2.90	8.77	29.92	8.77	29.92	3.31	8.49	28.96	8.49	28.96	3.83
			33°C	91°F	10.46	35.68	8.11	27.69	2.35	10.04	34.24	10.04	34.24	2.61	9.53	32.52	9.53	32.52	2.90	8.96	30.59	8.96	30.59	3.31	8.68	29.62	8.68	29.62	3.83
			27°C	81°F	10.77	36.75	4.05	13.83	2.37	10.35	35.31	4.08	13.93	2.63	9.85	33.59	4.08	13.93	2.92	9.28	31.66	4.38	14.94	3.33	9.00	30.69	5.53	18.88	3.85
1180	60	19°C (66°F)	30°C	86°F	10.96	37.40	5.23	17.85	2.37	10.54	35.96	5.22	17.82	2.64	10.04	34.24	5.18	17.66	2.92	9.47	32.30	5.43	18.51	3.34	9.19	31.34	6.58	22.44	3.85
			33°C	91°F	11.15	38.06	6.18	21.10	2.38	10.73	36.63	6.15	20.97	2.64	10.23	34.91	6.06	20.69	2.93	9.66	32.97	6.28	21.43	3.34	9.38	32.01	7.44	25.38	3.86
			36°C	97°F	11.08	37.82	7.10	24.23	2.37	10.66	36.39	7.02	23.97	2.63	10.16	34.67	6.90	23.53	2.92	9.59	32.73	7.06	24.10	3.33	9.31	31.77	9.31	31.77	3.85
			21°C	70°F	9.76	33.29	5.44	18.57	2.34	9.34	31.85	5.38	18.34	2.60	8.83	30.13	5.26	17.96	2.89	8.26	28.20	5.40	18.42	3.31	7.98	27.23	7.98	27.23	3.82
			24°C	75°F	9.76	33.31	6.77	23.11	2.34	9.34	31.87	6.65	22.69	2.60	8.84	30.16	6.47	22.07	2.89	8.27	28.22	8.27	28.22	3.30	7.99	27.25	7.99	27.25	3.82
			27°C	81°F	9.84	33.58	9.84	33.58	2.34	9.42	32.14	9.42	32.14	2.60	8.92	30.42	8.92	30.42	2.89	8.35	28.48	8.35	28.48	3.31	8.07	27.52	8.07	27.52	3.82
			30°C	86°F	10.03	34.22	10.03	34.22	2.35	9.61	32.79	9.61	32.79	2.61	9.11	31.07	9.11	31.07	2.90	8.54	29.13	8.54	29.13	3.31	8.26	28.17	8.26	28.17	3.83
1180	60	22°C (72°F)	24°C	75°F	10.07	34.35	5.42	18.49	2.33	9.65	32.92	5.37	18.31	2.59	9.14	31.20	5.27	17.98	2.88	8.58	29.26	5.43	18.54	3.30	8.29	28.30	6.44	21.98	3.81
			27°C	81°F	10.15	34.62	7.04	24.02	2.33	9.73	33.18	6.93	23.63	2.60	9.22	31.47	6.75	23.04	2.88	8.65	29.53	6.83	23.31	3.30	8.37	28.56	8.37	28.56	3.81
			30°C	86°F	10.34	35.27	8.22	28.03	2.34	9.92	33.83	8.06	27.51	2.60	9.41	32.11	7.84	26.76	2.89	8.84	30.18	8.84	30.18	3.30	8.56	29.21	8.56	29.21	3.82
			33°C	91°F	10.53	35.93	9.18	31.33	2.34	10.11	34.50	10.11	34.50	2.60	9.61	32.78	9.61	32.78	2.89	9.04	30.84	9.04	30.84	3.31	8.76	29.88	8.76	29.88	3.82
			27°C	81°F	10.84	37.00	5.12	17.48	2.36	10.42	35.57	5.11	17.44	2.63	9.92	33.85	5.07	17.28	2.91	9.35	31.91	5.31	18.12	3.33	9.07	30.95	6.45	22.00	3.84
			30°C	86°F	11.03	37.65	6.33	21.58	2.37	10.61	36.21	6.28	21.42	2.63	10.11	34.50	6.18	21.10	2.92	9.54	32.56	6.38	21.78	3.33	9.26	31.59	7.52	25.66	3.85
			33°C	91°F	11.23	38.31	7.30	24.91	2.37	10.81	36.88	7.22	24.65	2.63	10.31	35.16	7.10	24.21	2.92	9.74	33.22	7.26	24.78	3.34	9.45	32.26	8.41	28.68	3.85
1180	60	22°C (72°F)	36°C	97°F	11.16	38.08	8.22	28.04	2.36	10.74	36.64	8.10	27.65	2.62	10.24	34.92	7.93	27.06	2.91	9.67	32.98	8.04	27.45	3.33	9.38	32.02	9.38	32.02	3.84

LEGEND

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
IP/L: Power Input

ESP: External Static Pressure
EDB: Entering Dry Bulb
EWB: Entering Wet Bulb

NOTES

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.

3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

INDOOR HIGH SPEED				OUTDOOR TEMPERATURE																									
AIRFLOW (CFM)	ESP (PA)	EWB	EDB	30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)									
				TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI	TC	MBH	KW	SC	PI						
960	120	21°C	70°F	11.06	37.74	4.35	14.83	2.86	10.58	36.09	4.35	14.84	3.17	10.00	34.12	4.31	14.72	3.51	8.74	29.82	4.27	14.57	3.99	8.44	28.78	8.44	28.78	4.59	
		16°C (61°F)	24°C	75°F	11.07	37.76	5.86	19.98	2.86	10.58	36.12	5.79	19.76	3.17	10.01	34.14	5.68	19.37	3.51	8.75	29.84	8.75	29.84	3.99	8.44	28.81	8.44	28.81	4.59
		27°C	81°F	11.16	38.07	7.64	26.07	2.87	10.67	36.42	10.67	36.42	3.17	10.10	34.45	10.10	34.45	3.51	8.83	30.13	8.83	30.13	3.99	8.53	29.09	8.53	29.09	4.59	
		30°C	86°F	11.38	38.81	11.38	38.81	2.87	10.89	37.17	10.89	37.17	3.18	10.32	35.20	10.32	35.20	3.51	9.03	30.82	9.03	30.82	4.00	8.73	29.79	8.73	29.79	4.60	
		24°C	75°F	11.42	38.96	4.26	14.55	2.86	10.94	37.31	4.28	14.61	3.16	10.36	35.34	4.26	14.55	3.50	9.07	30.96	4.26	14.52	3.98	8.77	29.92	5.37	18.32	4.58	
		19°C (66°F)	27°C	81°F	11.51	39.27	6.09	20.78	2.86	11.03	37.62	6.04	20.59	3.16	10.45	35.65	5.93	20.23	3.50	9.16	31.24	5.72	19.52	3.98	8.85	30.21	8.85	30.21	4.59
		30°C	86°F	11.73	40.01	7.39	25.22	2.86	11.24	38.36	7.29	24.87	3.17	10.67	36.39	7.13	24.33	3.51	9.36	31.94	9.36	31.94	3.99	9.06	30.91	9.06	30.91	4.59	
		33°C	91°F	11.95	40.77	8.45	28.83	2.87	11.47	39.13	11.47	39.13	3.17	10.89	37.15	10.89	37.15	3.51	9.57	32.65	9.57	32.65	3.99	9.27	31.62	9.27	31.62	4.59	
		27°C	81°F	12.31	42.00	3.79	12.92	2.89	11.83	40.35	3.85	13.14	3.20	11.25	38.38	3.89	13.28	3.53	9.91	33.80	3.99	13.63	4.02	9.60	32.77	5.25	17.90	4.62	
		22°C (72°F)	30°C	86°F	12.53	42.74	5.12	17.46	2.90	12.04	41.10	5.14	17.54	3.20	11.47	39.13	5.12	17.48	3.54	10.11	34.50	5.10	17.39	4.02	9.81	33.46	6.35	21.66	4.63
33°C	91°F	12.75	43.51	6.19	21.12	2.90	12.27	41.86	6.18	21.08	3.21	11.69	39.89	6.12	20.90	3.54	10.32	35.21	6.00	20.46	4.03	10.02	34.18	7.25	24.75	4.63			
1440	75	36°C	97°F	12.67	43.23	7.24	24.72	2.89	12.19	41.59	7.19	24.53	3.20	11.61	39.61	7.08	24.17	3.53	10.24	34.95	6.84	23.33	4.02	9.94	33.92	9.94	33.92	4.62	
		21°C	70°F	11.38	38.81	7.69	26.24	2.90	10.89	37.17	7.56	25.80	3.20	10.32	35.20	7.37	25.14	3.54	9.03	30.82	6.97	23.78	4.02	8.73	29.79	8.73	29.79	4.62	
		24°C	75°F	11.38	38.84	9.24	31.54	2.89	10.90	37.19	9.05	30.87	3.20	10.32	35.22	8.78	29.95	3.54	9.04	30.84	9.04	30.84	4.02	8.74	29.81	8.74	29.81	4.62	
		16°C (61°F)	27°C	81°F	11.47	39.14	11.47	39.14	2.90	10.99	37.50	10.99	37.50	3.20	10.41	35.53	10.41	35.53	3.54	9.12	31.13	9.12	31.13	4.02	8.82	30.10	8.82	30.10	4.62
		30°C	86°F	11.69	39.89	11.69	39.89	2.90	11.21	38.24	11.21	38.24	3.21	10.63	36.27	10.63	36.27	3.54	9.33	31.83	9.33	31.83	4.03	9.02	30.79	9.02	30.79	4.63	
		24°C	75°F	11.73	40.03	7.70	26.28	2.89	11.25	38.39	7.59	25.89	3.19	10.67	36.41	7.41	25.30	3.53	9.37	31.96	7.04	24.04	4.01	9.06	30.93	8.11	27.69	4.61	
		19°C (66°F)	27°C	81°F	11.82	40.34	9.60	32.76	2.89	11.34	38.69	9.42	32.13	3.19	10.76	36.72	9.15	31.23	3.53	9.45	32.25	8.58	29.28	4.01	9.15	31.22	9.15	31.22	4.62
		30°C	86°F	12.04	41.08	11.00	37.52	2.89	11.56	39.44	10.76	36.73	3.20	10.98	37.47	10.45	35.65	3.54	9.66	32.94	9.66	32.94	4.02	9.35	31.91	9.35	31.91	4.62	
		33°C	91°F	12.26	41.85	12.26	41.85	2.90	11.78	40.20	11.78	40.20	3.20	11.20	38.23	11.20	38.23	3.54	9.86	33.66	9.86	33.66	4.02	9.56	32.62	9.56	32.62	4.63	
		27°C	81°F	12.62	43.07	7.46	25.44	2.92	12.14	41.43	7.39	25.22	3.23	11.56	39.46	7.27	24.81	3.57	10.20	34.80	7.00	23.88	4.05	9.90	33.77	8.21	28.01	4.65	
22°C (72°F)	30°C	86°F	12.84	43.82	8.88	30.30	2.93	12.36	42.17	8.77	29.93	3.23	11.78	40.20	8.60	29.34	3.57	10.40	35.50	8.19	27.95	4.05	10.10	34.47	9.40	32.06	4.66		
1550	60	33°C	91°F	13.07	44.58	10.04	34.26	2.93	12.58	42.93	9.90	33.78	3.24	12.01	40.96	9.69	33.05	3.58	10.61	36.21	9.17	31.29	4.06	10.31	35.18	10.31	35.18	4.66	
		36°C	97°F	12.99	44.31	11.10	37.87	2.92	12.50	42.66	10.91	37.24	3.23	11.93	40.69	10.65	36.34	3.56	10.54	35.96	10.02	34.17	4.05	10.24	34.92	10.24	34.92	4.65	
		21°C	70°F	11.47	39.12	8.12	27.71	2.82	10.98	37.48	7.98	27.22	3.13	10.41	35.50	7.77	26.50	3.46	9.12	31.11	7.33	25.01	3.95	8.82	30.08	8.82	30.08	4.55	
		24°C	75°F	11.47	39.14	9.69	33.05	2.82	10.99	37.50	9.48	32.34	3.12	10.41	35.53	10.41	35.53	3.46	9.12	31.13	9.12	31.13	3.94	8.82	30.10	8.82	30.10	4.55	
		16°C (61°F)	27°C	81°F	11.56	39.45	11.56	39.45	2.82	11.08	37.81	11.08	37.81	3.13	10.50	35.83	10.50	35.83	3.46	9.21	31.42	9.21	31.42	3.95	8.91	30.39	8.91	30.39	4.55
		30°C	86°F	11.78	40.20	11.78	40.20	2.83	11.30	38.55	11.30	38.55	3.13	10.72	36.58	10.72	36.58	3.47	9.41	32.11	9.41	32.11	3.95	9.11	31.08	9.11	31.08	4.55	
		24°C	75°F	11.82	40.34	8.14	27.78	2.81	11.34	38.70	8.01	27.35	3.12	10.76	36.72	7.82	26.69	3.45	9.45	32.25	7.41	25.29	3.94	9.15	31.22	8.48	28.95	4.54	
		19°C (66°F)	27°C	81°F	11.91	40.65	10.06	34.32	2.81	11.43	39.00	9.86	33.64	3.12	10.85	37.03	9.58	32.69	3.45	9.54	32.54	8.96	30.59	3.94	9.23	31.50	9.23	31.50	4.54
		30°C	86°F	12.13	41.39	11.47	39.13	2.82	11.65	39.75	11.22	38.30	3.12	11.07	37.77	10.89	37.16	3.46	9.74	33.23	9.74	33.23	3.94	9.44	32.20	9.44	32.20	4.55	
		33°C	91°F	12.35	42.15	12.35	42.15	2.82	11.87	40.51	11.87	40.51	3.13	11.29	38.54	11.29	38.54	3.46	9.95	33.95	9.95	33.95	3.95	9.65	32.91	9.65	32.91	4.55	
22°C (72°F)	27°C	81°F	12.71	43.38	7.92	27.02	2.85	12.23	41.74	7.84	26.75	3.15	11.65	39.77	7.70	26.29	3.49	10.29	35.09	7.39	25.21	3.97	9.98	34.06	8.60	29.34	4.57		
	30°C	86°F	12.93	44.13	9.36	31.94	2.85	12.45	42.48	9.24	31.52	3.16	11.87	40.51	9.05	30.87	3.50	10.49	35.79	8.59	29.33	3.98	10.19	34.75	9.80	33.45	4.58		
	33°C	91°F	13.16	44.89	10.53	35.94	2.86	12.67	43.24	10.38	35.41	3.16	12.10	41.27	10.15	34.63	3.50	10.70	36.50	9.59	32.72	3.98	10.40	35.47	10.40	35.47	4.58		
	36°C	97°F	13.08	44.61	11.60	39.57	2.85	12.59	42.97	11.40	38.89	3.15	12.02	41.00	11.12	37.93	3.49	10.62	36.25	10.44	35.61	3.97	10.32	35.21	10.32	35.21	4.57		

Legend		Note
ESP:	External Static Pressure	1. Ratings shown are gross capacities.
C:	Total Cooling Capacity	2. Shaded areas reflect nominal capacities.
SC:	Sensible Cooling Capacity	3. Direct interpretation is permissible. Do not extrapolate.
g:	Power Input	4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

INDOOR				OUTDOOR TEMPERATURE																								
MEDIUM SPEED				30°C (86°F)				35°C (95°F)				40°C (104°F)				46°C (115°F)				52°C (126°F)								
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB	TC		SC		PI	TC		SC		PI	TC		SC		PI	TC		SC		PI	TC		SC		PI
				KW	MBH	KW	MBH		KW	MBH	KW	MBH		KW	MBH	KW	MBH		KW	MBH	KW	MBH		KW	MBH	KW	MBH	
600	120	16°C (61°F)	21°C	10.82	36.92	-1.58	-5.38	2.65	10.34	35.27	-1.32	-4.50	2.96	9.76	33.30	-1.05	-3.58	3.30	9.11	31.08	-0.46	-1.56	3.78	8.78	29.97	0.82	2.79	4.38
			24°C	10.83	36.94	-0.11	-0.36	2.65	10.34	35.29	0.09	0.30	2.96	9.77	33.32	0.28	0.95	3.29	9.11	31.10	0.78	2.67	3.78	8.79	29.99	8.79	29.99	4.38
			27°C	10.92	37.25	1.59	5.44	2.65	10.43	35.60	1.71	5.85	2.96	9.86	33.63	9.86	33.63	3.30	9.20	31.41	9.20	31.41	3.78	8.88	30.30	8.88	30.30	4.38
			30°C	11.13	37.99	11.13	37.99	2.66	10.65	36.35	10.65	36.35	2.96	10.07	34.37	10.07	34.37	3.30	9.42	32.15	9.42	32.15	3.78	9.10	31.04	9.10	31.04	4.39
		24°C	11.18	38.14	-1.85	-6.31	2.64	10.69	36.49	-1.57	-5.37	2.95	10.12	34.52	-1.29	-4.39	3.29	9.47	32.30	-0.66	-2.25	3.77	9.14	31.19	0.67	2.29	4.37	
		27°C	11.27	38.44	-0.11	-0.37	2.64	10.78	36.80	0.09	0.31	2.95	10.21	34.83	0.29	1.00	3.29	9.56	32.60	0.82	2.81	3.77	9.23	31.50	2.12	7.22	4.37	
		30°C	11.49	39.19	1.05	3.58	2.65	11.00	37.54	1.21	4.11	2.96	10.43	35.57	1.35	4.61	3.29	9.77	33.35	1.83	6.24	3.78	9.45	32.24	9.45	32.24	4.38	
		33°C	11.71	39.95	1.97	6.73	2.65	11.23	38.30	2.09	7.14	2.96	10.65	36.33	10.65	36.33	3.30	10.00	34.11	10.00	34.11	3.78	9.67	33.00	9.67	33.00	4.38	
		27°C	12.07	41.18	-2.79	-9.52	2.68	11.59	39.53	-2.47	-8.42	2.98	11.01	37.56	-2.12	-7.25	3.32	10.36	35.34	-1.40	-4.79	3.81	10.03	34.23	0.08	0.26	4.41	
		30°C	12.29	41.92	-1.60	-5.46	2.68	11.80	40.28	-1.32	-4.51	2.99	11.23	38.30	-1.03	-3.52	3.33	10.57	36.08	-0.37	-1.25	3.81	10.25	34.97	1.11	3.80	4.41	
1220	75	19°C (66°F)	33°C	12.51	42.68	-0.67	-2.27	2.69	12.03	41.04	-0.42	-1.44	2.99	11.45	39.07	-0.17	-0.58	3.33	10.80	36.84	0.46	1.56	3.81	10.47	35.74	1.94	6.63	4.42
			36°C	12.43	42.41	0.41	1.40	2.68	11.95	40.76	0.61	2.08	2.98	11.37	38.79	0.81	2.76	3.32	10.72	36.57	1.38	4.70	3.80	10.39	35.46	10.39	35.46	4.41
			21°C	11.22	38.28	6.51	22.22	2.83	10.74	36.63	6.43	21.93	3.13	10.16	34.66	6.29	21.45	3.47	9.51	32.44	6.43	21.93	3.95	9.18	31.33	9.18	31.33	4.56
			24°C	11.23	38.30	8.04	27.44	2.83	10.74	36.66	7.89	26.93	3.13	10.17	34.68	7.67	26.18	3.47	9.51	32.46	9.51	32.46	3.95	9.19	31.35	9.19	31.35	4.56
		27°C	11.32	38.61	11.32	38.61	2.83	10.83	36.96	10.83	36.96	3.13	10.26	34.99	10.26	34.99	3.47	9.60	32.77	9.60	32.77	3.96	9.28	31.66	9.28	31.66	4.56	
		30°C	11.53	39.35	11.53	39.35	2.84	11.05	37.71	11.05	37.71	3.14	10.47	35.73	10.47	35.73	3.48	9.82	33.51	9.82	33.51	3.96	9.50	32.40	9.50	32.40	4.56	
		24°C	11.58	39.50	6.49	22.15	2.82	11.09	37.85	6.42	21.92	3.12	10.52	35.88	6.30	21.50	3.46	9.86	33.66	6.48	22.10	3.94	9.54	32.55	7.63	26.03	4.55	
		27°C	11.67	39.80	8.36	28.53	2.82	11.18	38.16	8.22	28.04	3.13	10.61	36.19	8.01	27.32	3.46	9.95	33.96	8.09	27.59	3.95	9.63	32.86	9.63	32.86	4.55	
		30°C	11.88	40.55	9.72	33.15	2.83	11.40	38.90	9.53	32.51	3.13	10.82	36.93	9.26	31.61	3.47	10.17	34.71	10.17	34.71	3.95	9.85	33.60	9.85	33.60	4.56	
		33°C	12.11	41.31	10.83	36.96	2.83	11.63	39.67	11.63	39.67	3.14	11.05	37.69	11.05	37.69	3.47	10.40	35.47	10.40	35.47	3.96	10.07	34.36	10.07	34.36	4.56	
1350	60	22°C (72°F)	27°C	12.47	42.54	6.17	21.06	2.86	11.98	40.89	6.15	20.98	3.16	11.41	38.92	6.08	20.76	3.50	10.76	36.70	6.35	21.68	3.98	10.43	35.59	7.65	26.12	4.58
			30°C	12.69	43.28	7.56	25.80	2.86	12.20	41.64	7.49	25.57	3.17	11.63	39.67	7.37	25.16	3.50	10.97	37.44	7.59	25.90	3.99	10.65	36.34	8.89	30.33	4.59
			33°C	12.91	44.04	8.69	29.64	2.87	12.43	42.40	8.59	29.30	3.17	11.85	40.43	8.43	28.75	3.51	11.20	38.20	8.61	29.36	3.99	10.87	37.10	9.91	33.82	4.59
			36°C	12.83	43.77	9.74	33.23	2.86	12.35	42.13	9.60	32.74	3.16	11.77	40.15	9.38	32.02	3.50	11.12	37.93	9.50	32.42	3.98	10.79	36.82	10.79	36.82	4.58
		21°C	11.31	38.58	7.26	24.79	2.81	10.83	36.94	7.15	24.40	3.12	10.25	34.96	6.98	23.80	3.45	9.60	32.74	7.08	24.16	3.94	9.27	31.63	9.27	31.63	4.54	
		24°C	11.31	38.60	8.81	30.05	2.81	10.83	36.96	8.63	29.44	3.11	10.25	34.99	8.37	28.57	3.45	9.60	32.76	9.60	32.76	3.93	9.28	31.66	9.28	31.66	4.54	
		27°C	11.40	38.91	11.40	38.91	2.81	10.92	37.27	10.92	37.27	3.12	10.34	35.29	10.34	35.29	3.45	9.69	33.07	9.69	33.07	3.94	9.37	31.97	9.37	31.97	4.54	
		30°C	11.62	39.66	11.62	39.66	2.82	11.14	38.01	11.14	38.01	3.12	10.56	36.04	10.56	36.04	3.46	9.91	33.81	9.91	33.81	3.94	9.59	32.71	9.59	32.71	4.54	
		24°C	11.66	39.80	7.26	24.79	2.80	11.18	38.16	7.17	24.45	3.11	10.60	36.18	7.01	23.92	3.44	9.95	33.96	7.15	24.40	3.93	9.63	32.85	8.30	28.31	4.53	
		27°C	11.75	40.11	9.15	31.23	2.80	11.27	38.46	8.98	30.64	3.11	10.69	36.49	8.74	29.81	3.44	10.04	34.27	8.78	29.96	3.93	9.72	33.16	9.72	33.16	4.53	
		22°C (72°F)	30°C	11.97	40.85	10.53	35.93	2.81	11.49	39.21	10.32	35.20	3.11	10.91	37.23	10.02	34.18	3.45	10.26	35.01	10.26	35.01	3.93	9.94	33.91	9.94	33.91	4.54
			33°C	12.20	41.61	11.67	39.81	2.81	11.71	39.97	11.71	39.97	3.12	11.14	38.00	11.14	38.00	3.45	10.48	35.77	10.48	35.77	3.94	10.16	34.67	10.16	34.67	4.54
			27°C	12.56	42.84	6.99	23.86	2.84	12.07	41.20	6.94	23.69	3.14	11.50	39.23	6.84	23.35	3.48	10.84	37.00	7.08	24.15	3.96	10.52	35.90	8.37	28.56	4.56
			30°C	12.77	43.59	8.40	28.68	2.84	12.29	41.94	8.31	28.36	3.15	11.71	39.97	8.16	27.83	3.49	11.06	37.74	8.34	28.44	3.97	10.74	36.64	9.63	32.86	4.57
		22°C (72°F)	33°C	13.00	44.35	9.55	32.59	2.85	12.52	42.70	9.43	32.16	3.15	11.94	40.73	9.23	31.49	3.49	11.29	38.51	9.37	31.98	3.97	10.96	37.40	10.67	36.42	4.57
			36°C	12.92	44.07	10.61	36.19	2.84	12.44	42.43	10.44	35.61	3.14	11.86	40.46	10.19	34.77	3.48	11.21	38.23	10.27	35.05	3.96	10.88	37.13	10.88	37.13	4.56

Legend

TC: Total Cooling Capacity

SC: Sensible Cooling Capacity

PI: Power Input

ESP: External Static Pressure

EDB: Entering Dry Bulb

EWB: Entering Wet Bulb

Note

1. Ratings shown are gross capacities.

2. Shaded areas reflect nominal capacities.

3. Direct interpretation is permissible. Do not extrapolate.

4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

INDOOR					OUTDOOR TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
LOW SPEED					30°C (86°F)						35°C (95°F)						40°C (104°F)						46°C (115°F)						52°C (126°F)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
AIRFLOW (CFM)	ESP (Pa)	EWB	EDB		TC			SC			PI	TC			SC			PI	TC			SC			PI	TC			SC			PI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					KW	MBH	KW	MBH	KW	MBH		KW	MBH	KW	MBH	KW	MBH		KW	MBH	KW	MBH	KW	MBH		KW	MBH	KW	MBH	KW	MBH		KW	MBH	KW	MBH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
700	100	16°C (61°F)	21°C	70°F	10.90	37.18	0.64	2.18	2.68	10.42	35.54	0.80	2.73	2.99	9.84	33.57	0.95	3.25	3.32	9.19	31.34	1.42	4.83	3.81	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30.24	8.86	30

Legend

TC: Total Cooling Capacity
SC: Sensible Cooling Capacity
PI: Power Input

Note

1. Ratings shown are gross capacities.
2. Shaded areas reflect nominal capacities.
3. Direct interpretation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 19° C to 54° C DB without pressure trip.

ELECTRICAL DATA

OUTDOOR	INDOOR	POWER SUPPLY		
		Hz-VOLTS	MCA (CO)	MFA
RR20AVAK9	FDMRN20AVAK	60Hz - 230V	13.2	20
RR25AVAK9	FDMRN25AVAK	60Hz - 230V	19.3	30
RR30AVAK9	FDMRN30AVAK	60Hz - 230V	19.0	30
RR36AVAK9	FDMRN36AVAK	60Hz - 230V	21.1	35
RR42AVAK9	FDMRN42AVAK	60Hz - 230V	24.3	40

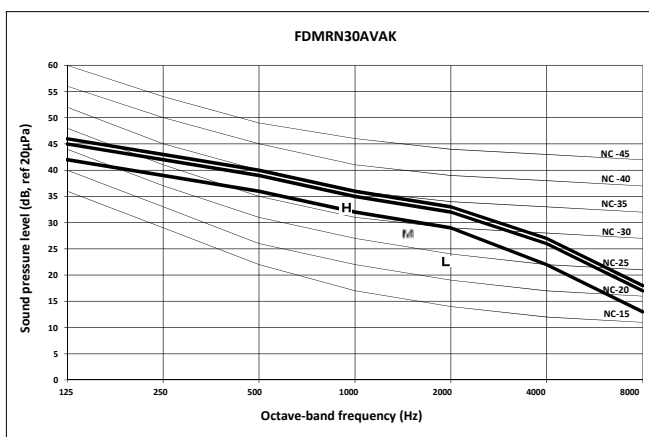
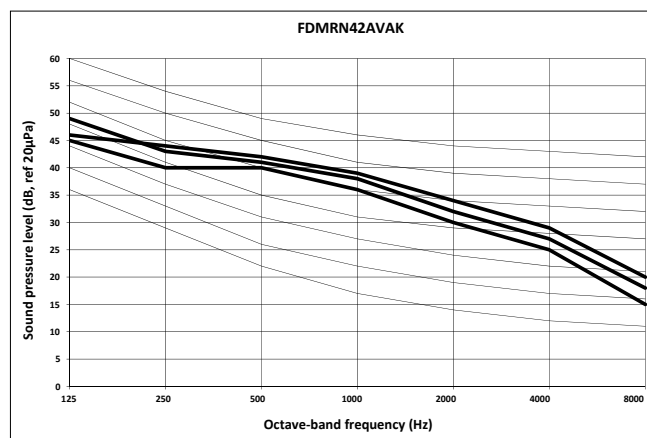
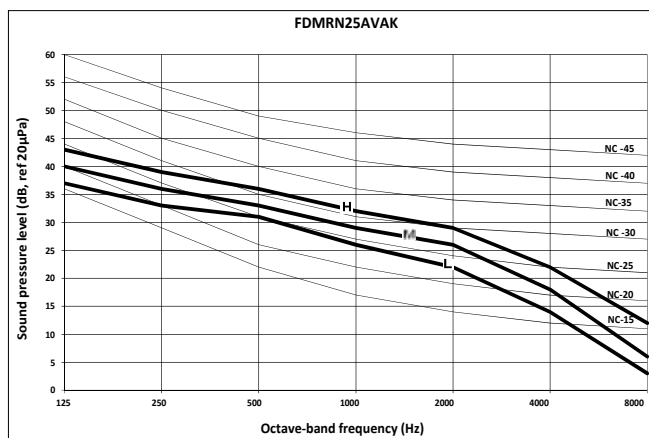
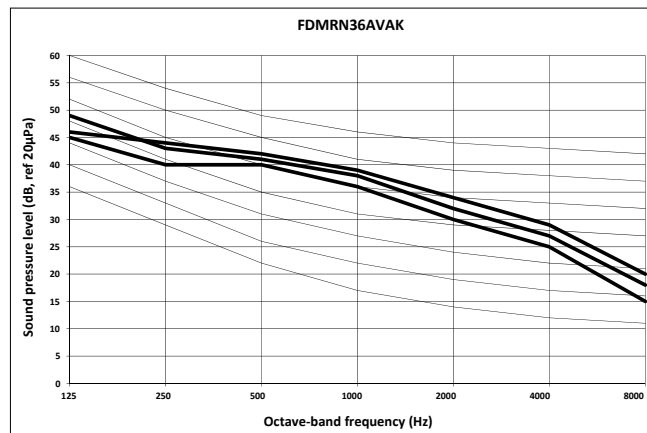
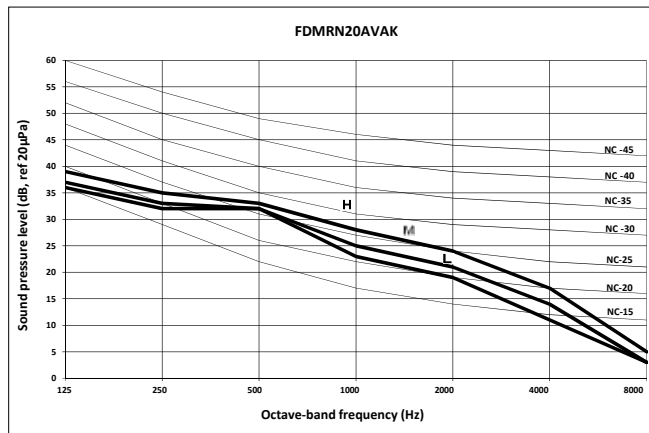
OUTDOOR	INDOOR	COMP		OFM		IFM	
		LRA	RLA (CO)	W	FLA	W	FLA
RR20AVAK9	FDMRN20AVAK	46	9.0	125	1.1	375	0.86
RR25AVAK9	FDMRN25AVAK	58	13.5	125	1.1	375	1.28
RR30AVAK9	FDMRN30AVAK	64	12.8	125	1.1	375	1.91
RR36AVAK9	FDMRN36AVAK	77	14.1	125	1.1	560	2.37
RR42AVAK9	FDMRN42AVAK	109	16.7	130	1.1	560	2.37

CABLE SIZE

OUTDOOR	RR20AVAK9	RR25AVAK9	RR30AVAK9	RR36AVAK9	RR42AVAK9
INDOOR	FDMRN20AVAK	FDMRN25AVAK	FDMRN30AVAK	FDMRN36AVAK	FDMRN42AVAK
Power supply cable size* (mm ²)	2.10	3.30	3.30	3.30	3.30
Number of wires	3	3	3	3	3
Interconnection cable size* (mm ²)	0.66	0.66	0.66	0.66	0.66
Number of wires	3	3	3	3	3
Recommended fuse (Amps)	20	30	30	35	40

* Cable sizing is per UL1995 for AWM wire

SOUND DATA

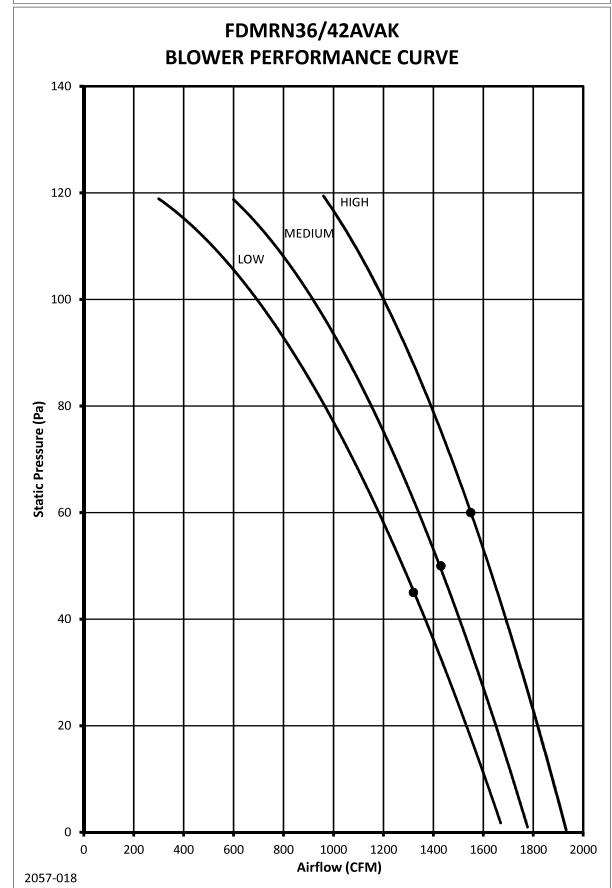
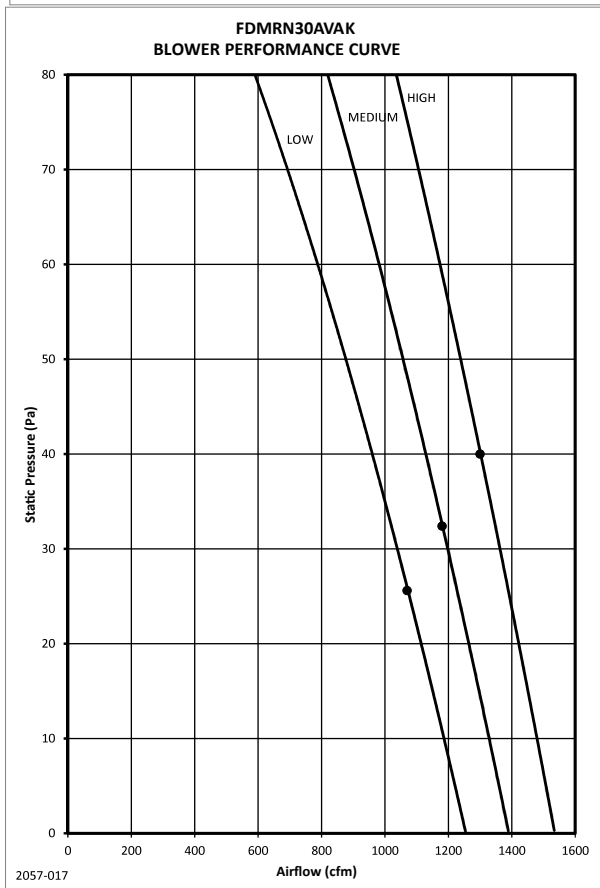
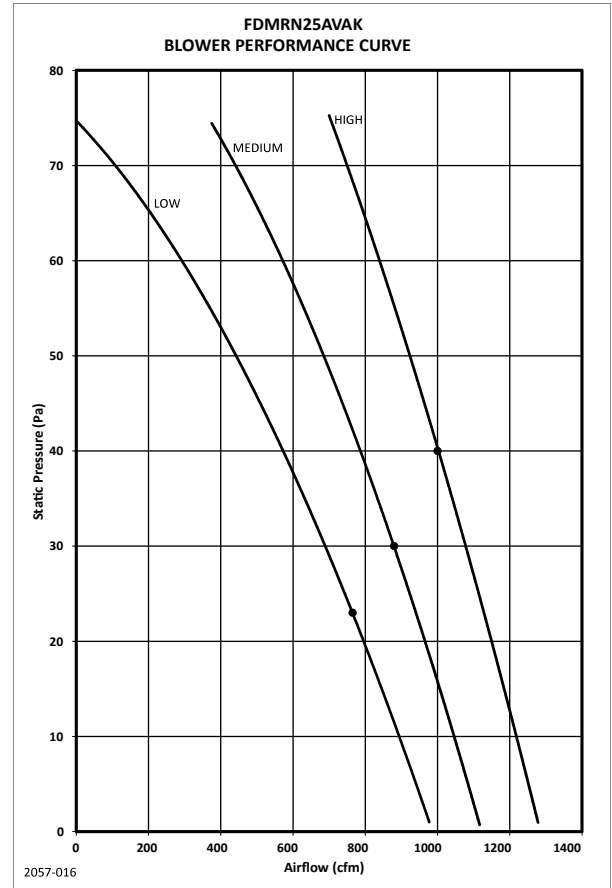
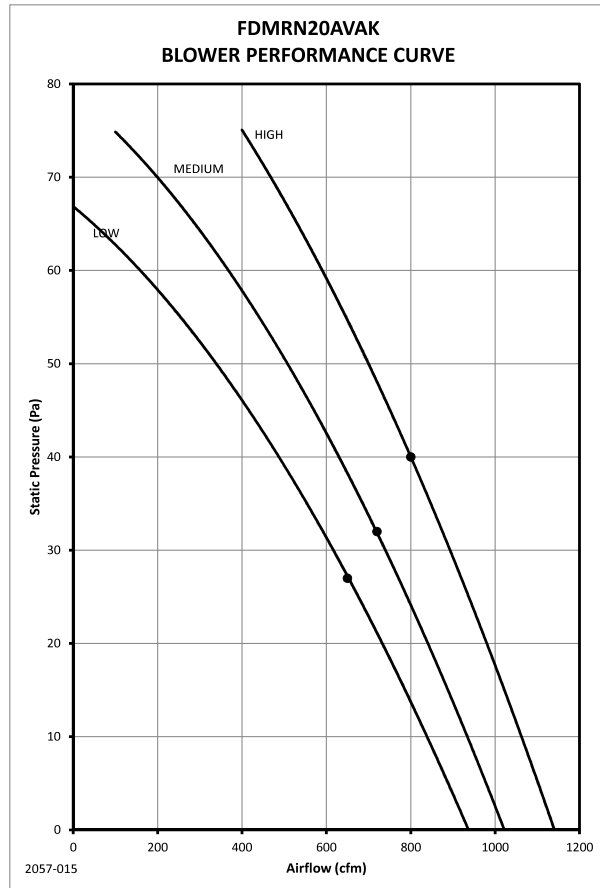


FAN PERFORMANCE DATA

MODEL	SPEED	OUTPUT	EXTERNAL STATIC PRESSURE (ESP (PA))						
			0	20	40	60	75	100	120
FDMRN20AVAK	High	CFM	1140	980	800	590	400		
	Med		1020	940	630	380	---	---	---
	Low		920	720	490	---	---	---	---
FDMRN25AVAK	High	CFM	1280	1160	1000	840	700		
	Med		1120	960	780	570	---	---	---
	Low		980	790	570	---	---	---	---
FDMRN30AVAK	High	CFM	1530	1420	1300	1170	1060	---	---
	Med		1390	1260	1130	980	---	---	---
	Low		1250	1120	960	780	---	---	---
FDMRN36/42AVAK	High	CFM	1930	1820	1680	1550	1440	1200	960
	Med		1770	1650	1500	1350	1220	900	600
	Low		1680	1510	1360	1180	1040	700	---

RATED POINT	FDMRN36/42AVAK			FDMRN30AVAK			FDMRN25AVAK			FDMRN20AVAK		
	HIGH	MED	LOW	HIGH	MED	LOW	HIGH	MED	LOW	HIGH	MED	LOW
CFM	1550	1430	1310	1300	1180	1070	1000	880	765	800	720	650
ESP (PA)	60	50	42	40	32	26	40	30	32	40	32	27

BLOWER PERFORMANCE CURVES



REFRIGERANT CHARGE DIAGRAM FOR :

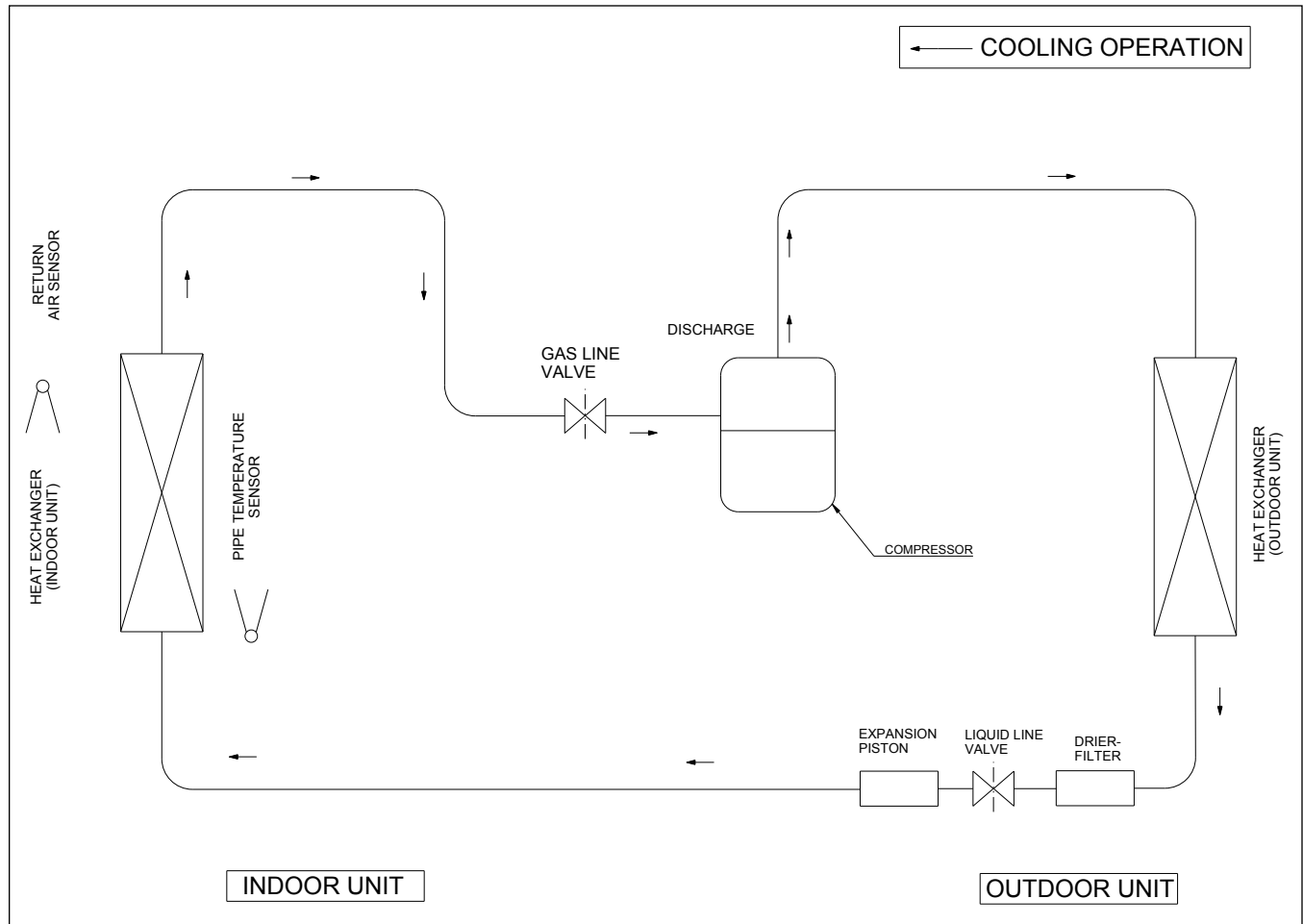
FDMRN20AVAK-RR20AVAK9

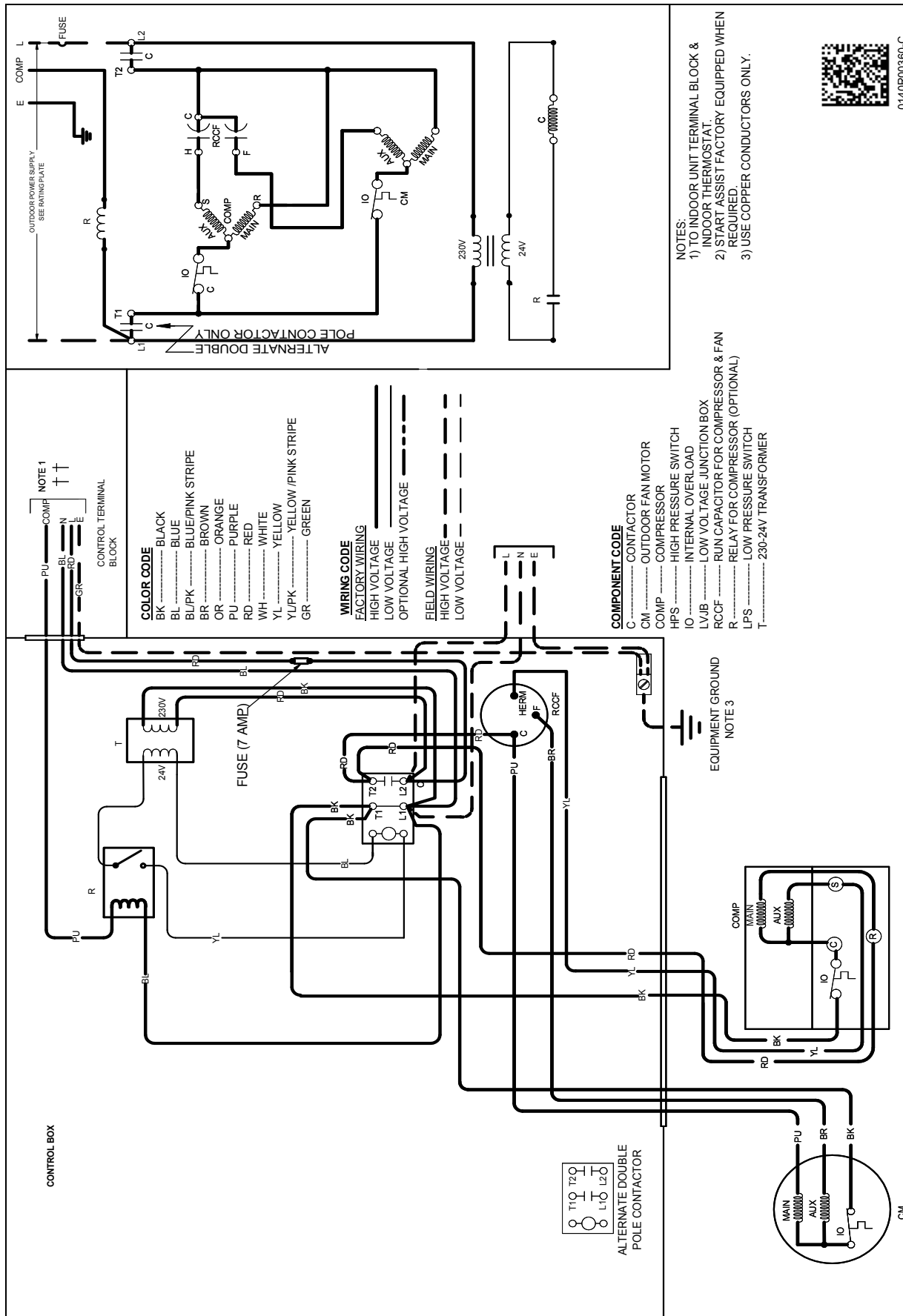
FDMRN25AVAK-RR25AVAK9

FDMRN30AVAK-RR30AVAK9

FDMRN36AVAK-RR36AVAK9

FDMRN42AVAK-RR42AVAK9





Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

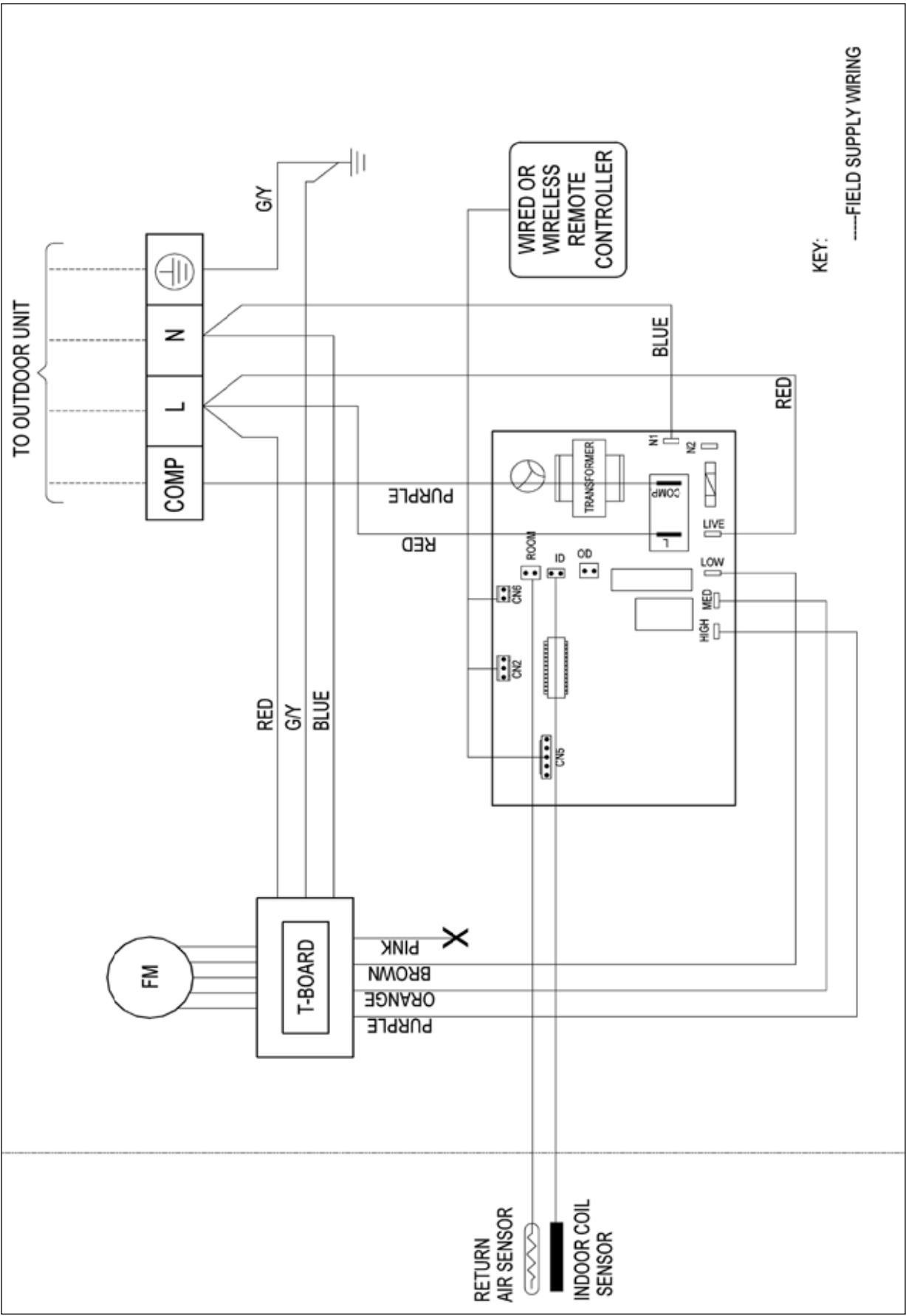


WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



0140R00360-C



Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

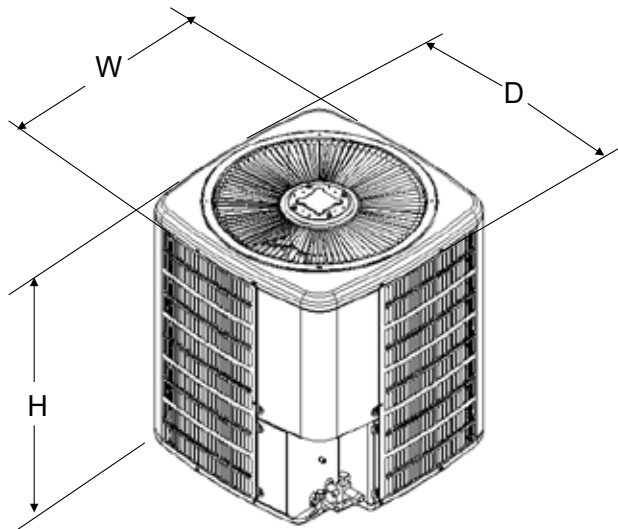


WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



DIMENSIONS



MODELS	DIMENSIONS		
	W (MM)	D (MM)	H (MM)
DX16SA0181A* / RR20AVAK9	737	737	820
DX16SA0241A* / RR24AVAK9	737	737	820
DX16SA0301A* / RR30AVAK9	737	737	921
DX16SA0361A* / RR36AVAK9	737	737	972
DX16SA0421A* / RR42AVAK9	902	902	921

MODELS	WEIGHTS	
	UNIT WT. (KG)	SHIP WT. (KG)
DX16SA0181A* / RR20AVAK9	66	74
DX16SA0241A* / RR24AVAK9	65	73
DX16SA0301A* / RR30AVAK9	68	76
DX16SA0361A* / RR36AVAK9	74	82
DX16SA0421A* / RR42AVAK9	94	104

ACCESSORIES

MODEL	DESCRIPTION	RR20AVAK9 (DX16SA0181XM)	RR25AVAK9 (DX16SA0241XM)	RR30AVAK9 (DX16SA0301XM)	RR36AVAK9 (DX16SA0361XM)	RR42AVAK9 (DX16SA0421XM)
ABK-20	Anchor Bracket Kit ^		X	X	X	X
ABK-21	Anchor Bracket Kit ^	X				
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X	X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X
LSK02A ²	Liquid Line Solenoid Kit	X	X	X	X	X
TXV-30 ²	TXV Kit	X	X	X		
TXV-42 ²	TXV Kit				X	X
TXV-48 ²	TXV Kit					
TXV-60 ²	TXV Kit					

^ Contains 20 brackets; four brackets needed to anchor unit to pad

¹ Installed on indoor coil

² Field-installed, non-bleed, expansion valve kit