



DCH COMMERCIAL

7½ - 12½ TON PACKAGED HEAT PUMP

UP TO 11.5 EER & 3.4 COP

Cooling Capacity: 90,000 — 140,000 BTU/h

Heating Capacity: 90,000 — 142,000 BTU/h



*Model shown is a gas/electric

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■ Standard Features

- High-efficiency scroll compressors
- Two-stage cooling
- Copper tube / aluminum fin coils
- Power block for field wiring
- High-capacity, steel-cased filter drier
- Single-point entry
- 24-volt terminal strip
- Convertible airflow orientation
- Easy to service
- Built-in filter rack with standard 2" filters
- AHRI Certified; ETL Listed
- Units meet the performance outlined in Table 6.8.1-2 of ASHRAE Standard 90.1-2013

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full perimeter rail
- Sloped drain pan



* Complete warranty details available from your local dealer or at www.daikincomfort.com.

		D	C	H	090	045	3	V	*	*	*	A	*
		1	2	3	4,5,6	7,8,9	10	11	12	13	14	15	16
												REVISION LEVELS	
												Major & Minor	
BRAND												FACTORY-INSTALLED OPTIONS	
D Daikin												X	No Options
CONFIGURATION												A	Non-powered convenience outlet
												B	Powered convenience outlet
												C	Low-ambient kit
C Standard Efficiency (6 - 25 Tons)												D	Return air smoke detector
S Standard Efficiency (3 - 5 Tons)												E	Supply air smoke detector
T High Efficiency (3 - 5 Tons)												F	Non-powered convenience outlet; Low-ambient kit
APPLICATION												G	Non-powered convenience outlet; Return air smoke detector
												H	Non-powered convenience outlet; Supply air smoke detector
												J	Non-powered convenience outlet; Return & Supply air smoke detectors
NOMINAL COOLING CAPACITY												K	Non-powered convenience outlet; Low-ambient kit; Supply air smoke detector
												L	Non-powered convenience outlet; Low-ambient kit
												M	Powered convenience outlet; Low-ambient kit
036 3 Tons 102 8½ Tons 300 25 Tons												N	Powered convenience outlet; Return air smoke detector
048 4 Tons 120 10 Tons												O	Powered convenience outlet; Return & Supply air smoke detectors
060 5 Tons 150 12½ tons												P	Powered convenience outlet; Supply air smoke detector
072 6 Tons 180 15 Tons												Q	Powered convenience outlet; Low-ambient kit; Return air smoke detector
090 7½ Tons 240 20 Tons												R	Powered convenience outlet; Low-ambient kit; Supply air smoke detector
NOMINAL HEATING CAPACITY												T	Powered convenience outlet; Low-ambient kit; Return & Supply air smoke detectors
												U	Non-powered convenience outlet; Low-ambient kit; Return air smoke detector
												V	Low-ambient kit; Return air smoke detector
Gas/Electric A/C H/P Factory-Installed Electric Heat												W	Low-ambient kit; Supply air smoke detector
045 45,000 BTU/h XXX No Heat												Y	Low-ambient kit; Return & Supply air smoke detectors
090 90,000 BTU/h 010 10 kW 030 30 kW												Z	Return & Supply air smoke detectors
115 115,000 BTU/h 015 15 kW 031 30 kW													
140 140,000 BTU/h 016 15 kW 045 45 kW													
210 210,000 BTU/h 018 18 kW 046 45 kW													
350 350,000 BTU/h 020 20 kW 060 60 kW													
400 400,000 BTU/h 025 25 kW													
See product specifications for heat size(s) available for each capacity.													
VOLTAGE													
1 208-230/1/60 (DS* & DT* 3-5 Tons models only) 4 460/3/60													
3 208-230/3/60 7 575/3/60													
SUPPLY FAN/DRIVE TYPE/MOTOR													
B Belt Drive (3-5 Tons single speed models only) V Two-Speed Belt Drive													
D Direct Drive (3-5 Tons single speed models only) (6-25 Tons only)													
H High Static (3-5 Tons single-speed Belt Drive models only) W High Static (6-25 Tons two-speed Belt Drive models only)													
FACTORY-INSTALLED OPTIONS													
A Ultra Low-Leak Downflow Economizer R Ultra Low-Leak Downflow Economizer;													
B DDC-BACnet protocol DDC-BACnet protocol;													
F Ultra Low-Leak Downflow Economizer; Disconnect Switch (non-fused)													
DDC-BACnet protocol V Low-Leak Downflow Economizer													
H Disconnect Switch (non-fused) W Low-Leak Downflow Economizer													
J Ultra Low-Leak Downflow Economizer; Disconnect Switch (non-fused)													
Disconnect Switch (non-fused) X No Options													
M Disconnect Switch (non-fused); DDC-BACnet protocol													
Note: Not all options available for all products.													
¹ X= No Options in character 13th													

FACTORY-INSTALLED OPTIONS

- **Stainless-Steel Heat Exchanger (Gas units only):** A tubular heat exchanger made of 409-type stainless steel is installed in the unit.
- **Low-Ambient Kit:** Allows for cooling operation at lower outdoor temperatures. On the 3- to 6-ton units, cooling operation is extended from 60°F ambient temperature to 35°F outside air temperature. On 7½ -20 ton units, cooling operation is extended from 35°F ambient temperature to 0°F outside air temperature. For 25 ton units, cooling operation is extended from 24°F ambient temperature to 0°F outside air temperature.
- **Economizers (Downflow):** Based on air conditions, can provide outside air to cool the space.
- **Electric Heat Kits (AC and heat pump units only):** Available in all voltage options.
- **Non-powered Convenience Outlet:** A 120V, 15A, GFCI outlet makes it easier for technicians to service the unit once an electrician runs power to the outlet.
- **Powered Convenience Outlet:** A 120V, 15A, GFCI outlet powered with a transformer built into the unit. When a factory-installed powered convenience outlet is installed in the equipment, the unit MCA (Min. Circuit Ampacity) will increase by 7.2A/6.5A for 208/230V units, increase by 3.3A for 460V units, and by 2.6A for 575V units. The MOP (Max. Overcurrent Protection) device must be sized accordingly.
- **Disconnect Switch (non-fused; 3-phase units only):** A disconnect switch is installed in the unit and factory wiring will be complete from the switch to the unit. Please note that for air conditioning (DSC units) and heat pump models (DSH units), the appropriate electric heat kit must be ordered to be factory-installed along with the disconnect switch (non-fused) when it is ordered. Please note that for models with a powered convenience outlet option and a disconnect switch (non-fused) option, the power to the powered convenience outlet will be shut off when the disconnect switch (non-fused) is in the off position.
- **Return Air and/or Supply Air Smoke Detectors:** Return air and/or supply air smoke detectors are installed in the unit.
- **Hinged Access Panels:** Allows access to unit's major components. Combined with latches for easy access to control box, compressor, filters and blower motor. Available on all units.
- **Phase Monitor:** Phase monitor (3 phase only), available for 3 - 25 ton DS, DC and DT series models. Phase monitor shall provide protection for motors and compressors against problems caused by phase loss, phase reversal and phase unbalance. Phase monitor is equipped with an LED that provides an ON or FAULT indicator.
- **DDC Controller:** DDC communicating controller, available for 3 - 25 ton DS, DC and DT series models with on-board BACnet® communication interface.
- **High static belt drive assembly, factory installed.**

	DCH090 ***3V***A*	DCH090 ***4V***A*	DCH090 ***7V***A*
Cooling Capacity			
Total BTU/h	90,000	90,000	90,000
Sensible BTU/h	65,700	65,700	65,700
EER / IEER	11.5 / 12.8	11.5 / 12.8	11.5 / 12.8
Decibels	83	83	83
AHRI Reference #s	7041912	7041912	7041912
Heating Capacity			
BTU/h / COP (47° F)	90,000 / 3.4	90,000 / 3.4	90,000 / 3.4
BTU/h / COP (17° F)	52,000 / 2.4	52,000 / 2.4	52,000 / 2.4
Evaporator Motor / Coil			
Motor Type	2-speed Belt Drive	2-speed Belt Drive	2-speed Belt Drive
Indoor Nominal CFM	3,000	3,000	3,000
Indoor Motor FLA (Cooling)	6.0	2.9	2.4
Horsepower - RPM	2.0/1740-1160	2.0/1740-1160	2.0/1745-1170
Piston Size (Cooling)	0.076	0.076	0.078
Filter Size (Qty)	(4) 16" x 24" x 2"	(4) 16" x 24" x 2"	(4) 16" x 24" x 2"
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge: Cir #1/ #2	220 oz.	220 oz.	200 oz.
Evaporator Coil Face Area (ft²)	10.2	10.2	10.2
Rows Deep / Fins per Inch	4/16	4/16	4/16
Belt Drive Evap Fan Data			
# of Wheels (D x W)	1 (15" x 12")	1 (15" x 12")	1 (15" x 12")
Motor Sheave / Blower Sheave	VL40 / AK74	VL40 / AK74	VL40 / AK74
Belt	AX51	AX51	AX51
Condenser Fan / Coil			
Quantity of Condenser Fan Motors	2	2	2
Horsepower - RPM	¼ - 1090	¼ - 890	¼ - 1075
Fan Diameter / # Fan Blades	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	0	0	0
Face Area (ft²)	7,600	7,600	7,600
# Coils / Rows Deep - Fins per Inch	2/2/20	2/2/20	2/2/20
Piston Size (Heating)	0.052	0.052	0.052
Compressor			
Quantity / Type / Stage	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	13.1 / 83.1	6.1 / 41.0	4.4 / 33.0
Electrical Data			
Voltage / Phase / Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower HP / FLA	2/6.0	2/2.9	2/2.4
Max External Static	1.0"	1.0"	1.0"
Outdoor Fan HP / FLA	¼ / 1.4	¼ / 0.7	¼ / 0.55
Min. Circuit Ampacity ¹	38.4 / 38.4	18	13.4
Max. Overcurrent Protection (amps) ²	50 / 50	20	15
Entrance Power Supply & Entrance Control Voltage	Locating Dimple	Locating Dimple	Locating Dimple
Operating Weight (lbs)	1,135	1,135	1,135
Ship Weight (lbs)	1,175	1,175	1,175

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTE: Always check the S&R plate for electrical data on the unit being installed.

	DCH102 ***3V***A*	DCH102 ***4V***A*	DCH102 ***7V***A*
COOLING CAPACITY			
Total, BTU/h	100,000	100,000	100,000
Sensible BTU/h	69,000	69,000	69,000
EER / IEER	11.1 / 13.0	11.1 / 13.0	11.1 / 13.0
Decibels	83	83	83
ARI Reference #s	7370925	7370925	7370925
HEATING CAPACITY			
BTU/h / COP (47° F)	102,000 / 3.4	102,000 / 3.4	102,000 / 3.4
BTU/h / COP (17° F)	55,500 / 2.25	55,500 / 2.25	55,500 / 2.25
EVAPORATOR MOTOR / COIL			
Motor Type	2-speed Belt Drive	2-speed Belt Drive	2-speed Belt Drive
Indoor Nominal CFM	3,400	3,400	3,400
Indoor Motor FLA (Cooling)	6.0	2.9	2.4
Horsepower - RPM	2.0/1740-1160	2.0/1740-1160	2.0/1745-1170
Piston Size (Cooling)	0.08	0.08	0.08
Filter Size (in.) (Qty)	(4) 16 x 24 x 2	(4) 16 x 24 x 2	(4) 16 x 24 x 2
Drain Size (NPT)	3/4"	3/4"	3/4"
R-410A Refrigerant Charge Cir #1 & #2 (oz.)	235/225	235/225	235/225
Evaporator Coil Face Area (ft²)	10.2	10.2	10.2
Rows Deep / Fins per Inch	4 / 14	4 / 14	4 / 14
BELT DRIVE EVAP FAN DATA			
# of Wheels (D x W)	1 (15" x 12")	1 (15" x 12")	1 (15" x 12")
Motor Sheave / Blower Sheave	VL40 / AK74	VL40 / AK74	VL40 / AK74
Belt	AX51	AX51	AX51
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	2	2	2
Horsepower - RPM	1/4" - 1,090	1/4" - 890	1/4" - 1,075
Fan Diameter / # Fan Blades	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	7,600	7,600	7,600
Face Area (ft²)	32.4	32.4	32.4
Rows Deep / Fins per Inch	2 / 22	2 / 22	2 / 22
Piston Size (Heating)	0.059	0.059	0.059
COMPRESSOR			
Quantity / Type / Stage	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA ea.	14.5 / 98	6.3 / 55	6.0 / 41
ELECTRICAL DATA / STATIC			
Voltage / Phase / Frequency	208/230-3-60	460-3-60	575-3-60
Standard Motor Max. External Static	1"	1"	1"
Outdoor Fan FLA ea.	1.4	0.7	0.55
Min. Circuit Ampacity ¹	43.2 / 43.2	19.4	17.8
Max. Overcurrent Protection (amps) ²	50 / 50	25	20
Entrance Power Supply & Control Voltage	Locating Dimple	Locating Dimple	Locating Dimple
OPERATING WEIGHT (LBS)	1,285	1,285	1,285
SHIP WEIGHT (LBS)	1,310	1,310	1,310

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTE: Always check the S&R plate for electrical data on the unit being installed.

	DCH120 ***3V***A*	DCH120 ***4V***A*	DCH120 ***7V***A*
COOLING CAPACITY			
Total BTU/h	113,000	113,000	113,000
Sensible BTU/h	84,700	84,700	84,700
EER / IEER	11.1 / 12.6	11.1 / 12.6	11.1 / 12.6
Decibels	83	83	83
ARI Reference #s	6345706	6345706	6345706
HEATING CAPACITY			
BTU/h / COP (47° F)	116,000 / 3.4	116,000 / 3.4	116,000 / 3.4
BTU/h / COP (17° F)	56,000 / 2.4	56,000 / 2.4	56,000 / 2.4
EVAPORATOR MOTOR / COIL			
Motor Type	2-speed Belt Drive	2-speed Belt Drive	2-speed Belt Drive
Indoor Nominal CFM	3,500	3,500	3,500
Indoor motor FLA (Cooling)	6.4	3.0	2.4
Horsepower - RPM	2.0/1725	2.0/1750-1165	2.0/1750-1165
Piston Size (Cooling)	0.086	0.086	0.086
Expansion Device	Orifice	Orifice	Orifice
Filter Size (in.) (Qty = 4)	16 x 24 x 2	16 x 24 x 2	16 x 24 x 2
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 & #2 (oz.)	225 / 225	225 / 225	225 / 225
Evaporator Coil Face Area (ft²)	10.2	10.2	10.2
Rows Deep/ Fins per Inch	4 / 14	4 / 14	4 / 14
BELT DRIVE EVAP FAN DATA			
# of Wheels (D x W)	(1) 15" x 15"	(1) 15" x 15"	(1) 15" x 15"
Motor Sheave / Blower Sheave	VL40 / AK74	VL40 / AK74	VL40 / AK74
Belt	AX50	AX50	AX50
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	2	2	2
Horsepower - RPM	⅓ - 1,075	⅓ - 1,075	⅓ - 1,075
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3
Outdoor Nominal CFM	8,200	8,200	8,200
Face Area (ft²)	32.4	32.4	32.4
# Coils / Rows Deep - Fins per Inch	2 / 2 - 22	2 / 2 - 22	2 / 2 - 22
Piston Size (Heating)	0.064	0.064	0.064
COMPRESSOR			
Quantity / Type / Stage	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA ea.	16 / 110.0	7.8 / 52.0	5.7 / 38.9
ELECTRICAL DATA			
Voltage/Phase/ Frequency	208/230-3-60	460-3-60	575-3-60
Belt-Driven Standard Max Static	1.4	1.4	1.4
Outdoor Fan RLA ea.	2.00	0.85	0.85
Min. Circuit Ampacity ¹	46.3 / 46.3	22.2	16.6
Max. Overcurrent Protection (amps) ²	60 / 60	25	20
Entrance Power Supply & Control Voltage	Locating Dimple	Locating Dimple	Locating Dimple
OPERATING WEIGHT (LBS)	1285	1285	1285
SHIP WEIGHT (LBS)	1310	1310	1310

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTE: Always check the S&R plate for electrical data on the unit being installed.

	DCH150 ***3V***A*	DCH150 ***4V***A*	DCH150 ***7V***A*
COOLING CAPACITY			
Total, BTU/h	140,000	140,000	140,000
Sensible BTU/h	98,000	98,000	98,000
EER / IEER	10.6 / 11.8	10.6 / 11.8	10.6 / 11.8
Decibels	83	83	83
ARI Reference #s	6885866	6885866	6885866
HEATING CAPACITY			
BTU/h / COP (47° F)	142,000 / 3.2	142,000 / 3.2	142,000 / 3.2
BTU/h / COP (17° F)	82,000 / 2.1	82,000 / 2.1	82,000 / 2.1
EVAPORATOR MOTOR / COIL			
Motor Type	2-speed Belt Drive	2-speed Belt Drive	2-speed Belt Drive
Indoor Nominal CFM	4,000	4,000	4,000
Indoor Motor FLA (Cooling)	9.1	4.3	3.5
Horsepower - RPM	3.0/1760-1165	3.0/1760-1165	3.0/1760-1165
Piston Size (Cooling)	0.094	0.094	0.094
Filter Size (in.) (Qty)	(4) 20 x 25 x 2	(4) 20 x 25 x 2	(4) 20 x 25 x 2
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 & #2 (oz.)	301 / 301	301 / 301	301 / 301
Evaporator Coil Face Area (ft²)	14.7	14.7	14.7
Rows Deep / Fins per Inch	4/7	4/7	4/7
BELT DRIVE EVAP FAN DATA			
# of Wheels (D x W)	(1) 15" x 15"	(1) 15" x 15"	(1) 15" x 15"
Motor Sheave / Blower Sheave	VP44 / AK71	VP44 / AK71	VP44 / AK71
Belt	AX48	AX48	AX48
CONDENSER FAN / COIL			
Quantity of condenser Fan Motors	2.0	2.0	2.0
Horsepower - RPM	⅓ - 1,075	⅓ - 1,075	⅓ - 1,075
Fan Diameter / # Fan Blades	22/ 3	22/ 3	22/ 3
Outdoor Nominal CFM	8,200	8,200	8,200
Face Area (ft²)	35.3	35.3	35.3
# Coils / Rows Deep - Fins per Inch	2/3-15	2/3-15	2/3-15
Piston Size (Heating)	0.07	0.07	0.07
COMPRESSOR			
Quantity / Type/ Stage	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA ea.	22.4 / 149	10.6 / 75	7.7 / 54
ELECTRICAL DATA / STATIC			
Voltage / Phase / Frequency	208/230-3-60	460-3-60	575-3-60
Standard Max Static	1.4"	1.4"	1.4"
Outdoor Fan FLA ea.	2.0	0.85	0.67
Min. Circuit Ampacity ¹	63.6 / 63.6	29.8	22.2
Max. Overcurrent Protection (amps) ²	80 / 80	40	25
Entrance Power Supply & Entrance Control Voltage	Locating Dimple	Locating Dimple	Locating Dimple
OPERATING WEIGHT (LBS)	1325	1325	1325
SHIP WEIGHT (LBS)	1350	1350	1350

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

NOTE: Always check the S&R plate for electrical data on the unit being installed.

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																115							
				65				75				85				95								105			
				ENTERING INDOOR WET BULB TEMPERATURE																							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
3375		MBh	88.2	91.4	100.2	-	86.1	89.3	97.8	-	84.1	87.2	95.5	-	82.0	85.0	93.2	-	77.9	80.8	88.5	-	72.2	74.8	82.0	-	
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	
		kW	6.19	6.32	6.50	-	6.64	6.77	6.98	-	7.03	7.17	7.39	-	7.37	7.53	7.76	-	7.67	7.83	8.08	-	7.92	8.09	8.35	-	
		Hi PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-	
		Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	
70		3000	MBh	85.6	88.7	97.2	-	83.6	86.7	95.0	-	81.6	84.6	92.7	-	79.7	82.6	90.5	-	75.7	78.4	85.9	-	70.1	72.6	79.6	-
			S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
			ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
			kW	6.15	6.27	6.45	-	6.59	6.72	6.92	-	6.98	7.12	7.34	-	7.32	7.47	7.70	-	7.61	7.77	8.01	-	7.86	8.03	8.28	-
			Hi PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
			Lo PR	107	114	124	-	113	120	132	-	118	125	137	-	124	132	144	-	130	138	150	-	134	143	156	-
2400		2400	MBh	79.0	81.9	89.7	-	77.2	80.0	87.7	-	75.4	78.1	85.6	-	73.5	76.2	83.5	-	69.8	72.4	79.3	-	64.7	67.1	73.5	-
			S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-
			ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	13	-	19	17	13	-
			kW	6.01	6.13	6.31	-	6.44	6.57	6.76	-	6.81	6.95	7.16	-	7.15	7.29	7.52	-	7.43	7.58	7.82	-	7.67	7.83	8.08	-
			Hi PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-
			Lo PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
3375		3375	MBh	89.7	92.3	100.0	107.3	87.6	90.2	97.6	104.8	85.5	88.0	95.3	102.3	83.4	85.9	93.0	99.8	79.3	81.6	88.3	94.8	73.4	75.6	81.8	87.8
			S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
			ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
			kW	6.24	6.36	6.55	6.75	6.69	6.82	7.03	7.25	7.08	7.23	7.45	7.69	7.43	7.59	7.83	8.07	7.73	7.89	8.14	8.40	7.99	8.16	8.42	8.69
			Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506
			Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	146	156	132	141	154	163	137	145	159	169
75		3000	MBh	87.1	89.7	97.0	104.1	85.1	87.6	94.8	101.7	83.0	85.5	92.5	99.3	81.0	83.4	90.3	96.9	77.0	79.2	85.8	92.0	71.3	73.4	79.4	85.3
			S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
			ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
			kW	6.19	6.32	6.50	6.70	6.64	6.77	6.98	7.19	7.03	7.17	7.39	7.63	7.38	7.53	7.76	8.01	7.67	7.83	8.08	8.34	7.92	8.09	8.35	8.62
			Hi PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	454	480	501
			Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
2400		2400	MBh	80.4	82.7	89.6	96.1	78.5	80.8	87.5	93.9	76.6	78.9	85.4	91.7	74.8	77.0	83.3	89.4	71.0	73.1	79.2	85.0	65.8	67.7	73.3	78.7
			S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
			ΔT	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	12
			kW	6.06	6.18	6.36	6.55	6.49	6.62	6.82	7.02	6.87	7.01	7.22	7.45	7.20	7.35	7.58	7.82	7.49	7.65	7.88	8.13	7.73	7.90	8.15	8.41
			Hi PR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	439	410	441	466	486
			Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	153	162

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE															115																															
				65					75					85					95					105					115																					
				ENTERING INDOOR WET BULB TEMPERATURE																																														
3375	MBh	91.3	93.3	99.7	106.5	89.2	91.1	97.3	104.1	87.0	88.9	95.0	101.6	84.9	86.8	92.7	99.1	80.7	82.4	88.1	94.1	74.7	76.4	81.6	87.2	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60					
	S/T	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	20	21	18	14	6.29	6.41	6.60	6.80	6.74	6.88	7.08	7.30	7.14	7.29	7.51	7.75	7.49	7.65	7.89	8.14	7.79	7.96	8.21	8.47	8.05	8.22	8.48	8.76	
	ΔT	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	
	Hi PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
	Lo PR	88.6	90.6	96.8	103.4	86.6	88.5	94.5	101.0	84.5	86.3	92.3	98.6	82.4	84.2	90.0	96.2	78.3	80.0	85.5	91.4	72.5	74.1	79.2	84.7	88.6	90.6	96.8	103.4	86.6	88.5	94.5	101.0	84.5	86.3	92.3	98.6	82.4	84.2	90.0	96.2	78.3	80.0	85.5	91.4	72.5	74.1	79.2	84.7	
	80	MBh	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
S/T		24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	6.24	6.36	6.55	6.75	6.69	6.82	7.03	7.25	7.08	7.23	7.45	7.69	7.43	7.59	7.83	8.07	7.73	7.89	8.14	8.40	7.99	8.16	8.42	8.69	
ΔT		236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506	
Hi PR		109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	
Lo PR		81.8	83.6	89.3	95.5	79.9	81.6	87.2	93.2	78.0	79.7	85.1	91.0	76.1	77.8	83.1	88.8	72.3	73.9	78.9	84.4	67.0	68.4	73.1	78.1	81.8	83.6	89.3	95.5	79.9	81.6	87.2	93.2	78.0	79.7	85.1	91.0	76.1	77.8	83.1	88.8	72.3	73.9	78.9	84.4	67.0	68.4	73.1	78.1	
2400		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
	ΔT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	16	6.10	6.22	6.40	6.60	6.54	6.67	6.87	7.08	6.92	7.06	7.28	7.50	7.26	7.41	7.64	7.88	7.55	7.71	7.95	8.20	7.80	7.96	8.21	8.48	
	kW	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	
	Hi PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	
	Lo PR	92.9	94.7	99.2	105.8	90.7	92.5	96.8	103.3	88.6	90.3	94.5	100.9	86.4	88.1	92.2	98.4	82.1	83.7	87.6	93.5	76.0	77.5	81.2	86.6	92.9	94.7	99.2	105.8	90.7	92.5	96.8	103.3	88.6	90.3	94.5	100.9	86.4	88.1	92.2	98.4	82.1	83.7	87.6	93.5	76.0	77.5	81.2	86.6	
	3375	MBh	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		S/T	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	22	23	23	20	21	21	18	18	6.33	6.46	6.65	6.85	6.79	6.93	7.14	7.36	7.19	7.34	7.57	7.81	7.55	7.71	7.95	8.20	7.85	8.02	8.27	8.54	8.12	8.29	8.55	8.83
ΔT		241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516	
kW		112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173	112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173	
Hi PR		90.2	91.9	96.3	102.7	88.1	89.8	94.0	100.3	86.0	87.6	91.8	97.9	83.9	85.5	89.6	95.5	79.7	81.2	85.1	90.8	73.8	75.2	78.8	84.1	90.2	91.9	96.3	102.7	88.1	89.8	94.0	100.3	86.0	87.6	91.8	97.9	83.9	85.5	89.6	95.5	79.7	81.2	85.1	90.8	73.8	75.2	78.8	84.1	
3000		MBh	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
		S/T	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	20	23	22	19	18	6.29	6.41	6.60	6.80	6.74	6.88	7.08	7.30	7.14	7.29	7.51	7.75	7.49	7.65	7.89	8.14	7.79	7.96	8.21	8.47	8.05	8.22	8.48	8.76
	ΔT	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	
	Hi PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
	Lo PR	83.2	84.8	88.9	94.8	81.3	82.9	86.8	92.6	79.4	80.9	84.7	90.4	77.4	78.9	82.7	88.2	73.6	75.0	78.5	83.8	68.1	69.4	72.7	77.6	83.2	84.8	88.9	94.8	81.3	82.9	86.8	92.6	79.4	80.9	84.7	90.4	77.4	78.9	82.7	88.2	73.6	75.0	78.5	83.8	68.1	69.4	72.7	77.6	
	2400	MBh	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
		S/T	28	28	26	23	28	28	26	23	28	28	26	23	29	28	27	23	28	28	26	23	26	26	25	21	6.15	6.27	6.45	6.65	6.59	6.72	6.92	7.13	6.97	7.12	7.33	7.56	7.32	7.47	7.70	7.94	7.61	7.77	8.01	8.27	7.86	8.02	8.28	8.55
ΔT		231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495	
Hi PR		107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	
Lo PR																																																		

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions

Shaded area reflects AHRI Rating Conditions

		OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
		ENTERING INDOOR WET BULB TEMPERATURE																								
70	MBh	95.1	98.6	108.0	-	92.9	96.3	105.5	-	90.7	94.0	103.0	-	88.5	91.7	100.5	-	84.1	87.1	95.5	-	77.9	80.7	88.4	-	
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	
	Delta T	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	
	KW	6.93	7.07	7.29	-	7.45	7.60	7.84	-	7.90	8.07	8.32	-	8.30	8.48	8.75	-	8.65	8.83	9.12	-	8.94	9.14	9.43	-	
	AMPS	11.8	12.0	12.3	-	12.5	12.7	13.0	-	13.3	13.6	13.9	-	14.0	14.3	14.7	-	14.8	15.0	15.4	-	15.5	15.8	16.2	-	
	HI PR	237	255	269	-	266	286	302	-	302	325	343	-	344	370	391	-	387	417	440	-	428	460	486	-	
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	123	131	143	-	
	MBh	95.1	98.6	108.0	-	92.9	96.3	105.5	-	90.7	94.0	103.0	-	88.5	91.7	100.5	-	84.1	87.1	95.5	-	77.9	80.7	88.4	-	
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	
	Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	
3200	KW	6.93	7.07	7.29	-	7.45	7.60	7.84	-	7.90	8.07	8.32	-	8.30	8.48	8.75	-	8.65	8.83	9.12	-	8.94	9.14	9.43	-	
	AMPS	11.8	12.0	12.3	-	12.5	12.7	13.0	-	13.3	13.6	13.9	-	14.0	14.3	14.7	-	14.8	15.0	15.4	-	15.5	15.8	16.2	-	
	HI PR	237	255	269	-	266	286	302	-	302	325	343	-	344	370	391	-	387	417	440	-	428	460	486	-	
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	123	131	143	-	
	3100	MBh	94.2	97.6	107.0	-	92.0	95.4	104.5	-	89.8	93.1	102.0	-	87.6	90.8	99.5	-	83.2	86.3	94.5	-	77.1	79.9	87.6	-
S/T		0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-	
Delta T		20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
KW		6.86	7.00	7.21	-	7.37	7.52	7.76	-	7.82	7.99	8.24	-	8.22	8.39	8.66	-	8.55	8.74	9.02	-	8.84	9.04	9.33	-	
AMPS		11.7	11.9	12.2	-	12.4	12.6	12.9	-	13.2	13.4	13.8	-	13.9	14.2	14.5	-	14.6	14.9	15.3	-	15.3	15.6	16.0	-	
75	HI PR	234	251	266	-	262	282	298	-	298	321	339	-	340	365	386	-	382	411	434	-	422	454	480	-	
	LO PR	97	104	113	-	103	110	120	-	107	114	124	-	112	120	131	-	118	125	137	-	122	130	142	-	
	3300	MBh	96.8	99.6	107.8	115.7	94.5	97.3	105.3	113.0	92.3	95.0	102.8	110.3	90.0	92.7	100.3	107.6	85.5	88.0	95.3	102.3	79.2	81.5	88.3	94.7
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
KW		6.98	7.13	7.35	7.58	7.50	7.66	7.90	8.15	7.97	8.14	8.39	8.67	8.37	8.55	8.83	9.12	8.72	8.91	9.20	9.50	9.02	9.21	9.51	9.83	
AMPS		11.9	12.1	12.4	12.7	12.6	12.8	13.1	13.5	13.4	13.7	14.0	14.4	14.1	14.4	14.8	15.2	14.9	15.2	15.6	16.0	15.6	15.9	16.3	16.8	
75	HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512	
	LO PR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154	
	MBh	96.8	99.6	107.8	115.7	94.5	97.3	105.3	113.0	92.3	95.0	102.8	110.3	90.0	92.7	100.3	107.6	85.5	88.0	95.3	102.3	79.2	81.5	88.3	94.7	
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	
	Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
3200	KW	6.98	7.13	7.35	7.58	7.50	7.66	7.90	8.15	7.97	8.14	8.39	8.67	8.37	8.55	8.83	9.12	8.72	8.91	9.20	9.50	9.02	9.21	9.51	9.83	
	AMPS	11.9	12.1	12.4	12.7	12.6	12.8	13.1	13.5	13.4	13.7	14.0	14.4	14.1	14.4	14.8	15.2	14.9	15.2	15.6	16.0	15.6	15.9	16.3	16.8	
	HI PR	239	257	272	283	268	289	305	318	305	328	347	362	348	374	395	412	391	421	444	463	432	465	491	512	
	LO PR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154	
	3100	MBh	95.8	98.6	106.7	114.6	93.6	96.3	104.3	111.9	91.3	94.0	101.8	109.2	89.1	91.7	99.3	106.6	84.6	87.2	94.3	101.2	78.4	80.7	87.4	93.8
S/T		0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.40	0.92	0.82	0.62	0.40	
Delta T		23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11	
KW		6.91	7.06	7.27	7.50	7.43	7.58	7.82	8.07	7.88	8.05	8.31	8.57	8.28	8.46	8.73	9.02	8.62	8.81	9.10	9.40	8.92	9.11	9.41	9.72	
AMPS		11.8	12.0	12.3	12.6	12.5	12.7	13.0	13.4	13.3	13.5	13.9	14.3	14.0	14.3	14.7	15.1	14.7	15.0	15.4	15.9	15.4	15.7	16.2	16.7	
75	HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	457	426	459	485	505	
	LO PR	98	105	114	122	104	111	121	129	108	115	126	134	114	121	132	140	119	127	138	147	123	131	143	152	

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

Shaded area reflects ACCA (TVA)Rating Conditions

Amperes: Unit amps (comp.+ evaporator + condenser fan motors)

Design Superheat 7±2 °F; Design Subcooling 1±2 °F; pressures measured @ the suction and liquid service ports; AHRI 95 test conditions

Amperage: Unit amps (comp. + evaporator + condenser fan motors) @ the suction and liquid service ports, AHRI 95 test conditions

Design Superheat 7±2 °F; Design Subcooling 12 ±2 °F; pressures measured

Shaded area reflects ACCA (TVA) Rating Conditions

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																		115																	
				65						75						85						95						105											
				ENTERING INDOOR WET BULB TEMPERATURE																																			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
80	3300	MBh	98.5	100.6	107.5	114.9	96.2	98.3	105.0	112.2	93.9	95.9	102.5	109.6	91.6	93.6	100.0	106.9	87.0	88.9	95.0	101.6	80.6	82.4	88.0	94.1	80.6	82.4	88.0	94.1									
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58	1.00	0.95	0.77	0.58									
		Delta T	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	22	22	19	15	22	22	19	15									
		KW	7.04	7.18	7.40	7.64	7.56	7.72	7.97	8.22	8.03	8.20	8.46	8.74	8.44	8.62	8.90	9.19	8.79	8.98	9.27	9.58	9.09	9.29	9.59	9.91	9.09	9.29	9.59	9.91									
		AMPS	11.9	12.2	12.5	12.8	12.7	12.9	13.2	13.6	13.5	13.8	14.1	14.6	14.2	14.5	14.9	15.4	15.0	15.3	15.7	16.2	15.7	16.0	16.5	17.0	15.7	16.0	16.5	17.0									
	3200	HI PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517	436	470	496	517									
		LO PR	101	107	117	125	106	113	124	132	111	118	129	137	116	124	135	144	122	130	141	151	126	134	146	156	126	134	146	156									
		MBh	98.5	100.6	107.5	114.9	96.2	98.3	105.0	112.2	93.9	95.9	102.5	109.6	91.6	93.6	100.0	106.9	87.0	88.9	95.0	101.6	80.6	82.4	88.0	94.1	80.6	82.4	88.0	94.1									
		S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58	1.00	0.95	0.77	0.58									
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16	23	23	20	16									
3100	KW	7.04	7.18	7.40	7.64	7.56	7.72	7.97	8.22	8.03	8.20	8.46	8.74	8.44	8.62	8.90	9.19	8.79	8.98	9.27	9.58	9.09	9.29	9.59	9.91	9.09	9.29	9.59	9.91										
	AMPS	11.9	12.2	12.5	12.8	12.7	12.9	13.2	13.6	13.5	13.8	14.1	14.6	14.2	14.5	14.9	15.4	15.0	15.3	15.7	16.2	15.7	16.0	16.5	17.0	15.7	16.0	16.5	17.0										
	HI PR	242	260	275	286	271	292	308	321	308	332	350	365	351	378	399	416	395	425	449	468	436	470	496	517	436	470	496	517										
	LO PR	101	107	117	125	106	113	124	132	111	118	129	137	116	124	135	144	122	130	141	151	126	134	146	156	126	134	146	156										
	MBh	97.5	99.6	106.4	113.8	95.2	97.3	104.0	111.1	93.0	95.0	101.5	108.5	90.7	92.7	99.0	105.8	86.1	88.0	94.1	100.5	79.8	81.5	87.1															

DB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI Rating Conditions

Amps: Unit amps (comp. + evaporator + condenser fan motors)
@ the suction and liquid service ports. AHRI 95 test conditions
Design Subcooling 12 ±2 °F. Design Superheat 7 ±2 °F. Pressures measured
at the suction and liquid service ports. AHRI 95 test conditions

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																							
				65				75				85				95				105				115			
				ENTERING INDOOR WET BULB TEMPERATURE																							
3938	MBh	114	118	129	-	111	115	126	-	108	112	123	-	106	110	120	-	100	104	114	-	93	96	106	-		
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-		
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-		
	kW	8.22	8.37	8.60	-	8.77	8.94	9.19	-	9.25	9.43	9.70	-	9.68	9.87	10.16	-	10.04	10.24	10.55	-	10.36	10.56	10.88	-		
	Hi PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	435	459	-	446	480	507	-		
70	Lo PR	105	111	122	-	111	118	128	-	115	122	134	-	121	128	140	-	127	135	147	-	131	139	152	-		
	MBh	110	114	125	-	108	112	122	-	105	109	119	-	103	106	117	-	98	101	111	-	90	94	103	-		
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-		
	ΔT	20.27	17.55	13.32	-	20.52	17.76	13.48	-	20.54	17.78	13.50	-	20.69	17.91	13.59	-	20.40	17.66	13.40	-	19.05	16.49	12.52	-		
	kW	8.2	8.3	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.6	-	9.6	9.8	10.1	-	10.0	10.2	10.5	-	10.3	10.5	10.8	-		
2800	Hi PR	245	263	278	-	274	295	312	-	312	336	355	-	355	383	404	-	400	430	454	-	442	476	502	-		
	Lo PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	130	138	151	-		
	MBh	102	106	116	-	99	103	113	-	97	101	110	-	95	98	108	-	90	93	102	-	83	86	95	-		
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-		
	ΔT	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	21	18	14	-		
3938	kW	8	8	8	-	9	9	9	-	9	9	9	-	9	10	10	-	10	10	10	-	10	10	11	-		
	Hi PR	237	255	270	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	429	461	487	-		
	Lo PR	101	107	117	-	106	113	123	-	110	117	128	-	116	123	135	-	122	129	141	-	126	134	146	-		
	MBh	116	119	129	138	113	116	126	135	110	113	123	132	108	111	120	129	102	105	114	122	95	97	105	113		
	S/T	0.83	0.75	0.56	0.4	0.86	0.77	0.58	0.4	0.89	0.79	0.60	0.4	0.91	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.96	0.86	0.65	0.4		
75	ΔT	22.5	20.7	17.0	11.7	22.8	21.0	17.2	11.9	22.8	21.0	17.2	11.9	23.0	21.1	17.3	12.0	22.6	20.8	17.1	11.8	21.1	19.5	15.9	11.0		
	kW	8.3	8.4	8.7	8.9	8.8	9.0	9.3	9.5	9.3	9.5	9.8	10.1	9.8	9.9	10.2	10.5	10.1	10.3	10.6	10.9	10.4	10.6	11.0	11.3		
	Hi PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	451	485	512	534		
	Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	132	141	154	164		
	MBh	112	116	125	134	110	113	122	131	107	110	119	128	104	107	116	125	99	102	111	119	92	95	102	110		
3500	S/T	0.79	0.71	0.54	0.3	0.82	0.74	0.56	0.4	0.84	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.90	0.81	0.61	0.4	0.91	0.82	0.62	0.4		
	ΔT	23.4	21.6	17.7	12.2	23.7	21.8	17.9	12.4	23.7	21.9	17.9	12.4	23.9	22.0	18.0	12.5	23.6	21.7	17.8	12.3	22.0	20.3	16.6	11.5		
	kW	8.2	8.4	8.6	8.8	8.8	8.9	9.2	9.5	9.3	9.4	9.7	10.0	9.7	9.9	10.2	10.5	10.0	10.2	10.5	10.9	10.4	10.6	10.9	11.2		
	Hi PR	247	266	281	293	277	298	315	329	315	339	358	374	359	386	408	426	404	435	459	479	446	480	507	529		
	Lo PR	105	111	122	130	111	118	128	137	115	122	134	142	121	128	140	149	127	135	147	157	131	139	152	162		
2800	MBh	104	107	115	124	101	104	113	121	99	102	110	118	96	99	107	115	92	94	102	109	85	87	95	101		
	S/T	0.77	0.69	0.52	0.3	0.79	0.71	0.54	0.3	0.81	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.87	0.78	0.59	0.4	0.88	0.79	0.60	0.4		
	ΔT	26.1	24.0	19.7	13.6	26.4	24.3	19.9	13.7	26.4	24.3	19.9	13.8	26.6	24.5	20.1	13.9	26.2	24.2	19.8	13.7	24.5	22.6	18.5	12.8		
	kW	8.1	8.2	8.4	8.7	8.6	8.7	9.0	9.2	9.1	9.2	9.5	9.8	9.5	9.7	9.9	10.2	9.8	10.0	10.3	10.6	10.1	10.3	10.6	11.0		
	Hi PR	240	258	272	284	269	289	306	319	306	329	348	362	348	375	396	413	392	422	445	464	433	466	492	513		
70	Lo PR	102	108	118	126	107	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	127	135	148	157		

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions

Shaded area reflects ACCA (TVA) Rating Conditions

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																115															
				65				75				85				95				105				115											
				ENTERING INDOOR WET BULB TEMPERATURE																115															
3938	MBh	118	120	128	137	115	117	125	134	112	115	122	131	109	112	119	128	104	106	114	121	96	98	105	112										
	S/T	0.91	0.86	0.70	0.5	0.95	0.89	0.72	0.5	1.00	0.91	0.74	0.6	1.00	0.94	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.80	0.6										
	ΔT	25.1	24.1	20.9	16.7	25.4	24.4	21.2	16.9	26.2	24.4	21.2	16.9	25.6	24.6	21.4	17.1	24.3	24.8	21.1	16.8	22.5	23.0	19.7	15.7										
	kW	8.34	8.49	8.73	9.0	8.90	9.07	9.32	9.6	9.39	9.57	9.85	10.1	9.83	10.02	10.31	10.6	10.20	10.40	10.71	11.0	10.52	10.73	11.05	11.4										
	Hi PR	252	271	286	299	283	304	321	335	322	346	366	381	366	394	416	434	412	444	468	489	455	490	517	540										
	Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165										
80	MBh	114	117	125	133	112	114	122	130	109	111	119	127	106	109	116	124	101	103	110	118	94	96	102	109										
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57										
	ΔT	26.16	25.07	21.80	17.4	26.48	25.38	22.07	17.6	26.51	25.40	22.09	17.6	26.69	25.58	22.24	17.8	26.32	25.22	21.93	17.5	24.56	23.56	20.49	16.4										
	kW	8.3	8.4	8.7	8.9	8.8	9.0	9.3	9.5	9.3	9.5	9.8	10.1	9.8	9.9	10.2	10.5	10.1	10.3	10.6	11.0	10.4	10.6	11.0	11.3										
	Hi PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	451	485	512	534										
	Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164										
2800	MBh	105	108	115	123	103	105	112	120	101	103	110	117	98	100	107	114	93	95	102	109	86	88	94	101										
	S/T	0.84	0.79	0.64	0.5	0.87	0.82	0.67	0.5	0.89	0.84	0.68	0.5	0.92	0.86	0.70	0.5	0.96	0.90	0.73	0.5	0.97	0.91	0.74	0.6										
	ΔT	29	28	24	19.4	29	28	25	19.6	29	28	25	19.6	30	28	25	19.8	29	28	24	19.5	27	26	23	18.2										
	kW	8.1	8.3	8.5	8.7	8.6	8.8	9.1	9.3	9.1	9.3	9.6	9.8	9.5	9.7	10.0	10.3	9.9	10.1	10.4	10.7	10.2	10.4	10.7	11.0										
	Hi PR	242	261	275	287	272	292	309	322	309	332	351	366	352	379	400	417	396	426	450	469	437	471	497	518										
	Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159										

		59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183
85	3938	MBh	120	122	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	280	288	296	304	312	320	328	336	344	352
		S/T	0.96	0.92	0.83	0.7	0.57	0.43	0.29	0.15	0.01	-0.13	-0.27	-0.41	-0.55	-0.69	-0.83	-0.97	-1.11	-1.25	-1.39	-1.53	-1.67	-1.81	-1.95	-2.09	-2.23	-2.37	-2.51	-2.65	-2.79	-2.93	-3.07
		ΔT	26.8	26.3	24.9	21.6	17.3	13.0	8.7	4.4	0.1	-4.2	-8.5	-12.8	-17.1	-21.4	-25.7	-30.0	-34.3	-38.6	-42.9	-47.2	-51.5	-55.8	-60.1	-64.4	-68.7	-73.0	-77.3	-81.6	-85.9	-90.2	-94.5
		kW	8.40	8.55	8.79	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1
		Hi PR	255	274	289	302	315	328	341	354	367	380	393	406	419	432	445	458	471	484	497	510	523	536	549	562	575	588	601	614	627	640	653
		Lo PR	108	115	125	133	141	149	157	165	173	181	189	197	205	213	221	229	237	245	253	261	269	277	285	293	301	309	317	325	333	341	349
2800		MBh	116	118	124	132	140	148	156	164	172	180	188	196	204	212	220	228	236	244	252	260	268	276	284	292	300	308	316	324	332	340	348
		S/T	0.91	0.88	0.80	0.65	0.5	0.35	0.2	0.05	-0.1	-0.25	-0.4	-0.55	-0.7	-0.85	-1.0	-1.15	-1.3	-1.45	-1.6	-1.75	-1.9	-2.05	-2.2	-2.35	-2.5	-2.65	-2.8	-2.95	-3.1	-3.25	-3.4
		ΔT	27.90	27.44	25.94	22.5	18.1	13.7	9.3	4.9	0.5	-3.9	-8.3	-12.7	-17.1	-21.5	-25.9	-30.3	-34.7	-39.1	-43.5	-47.9	-52.3	-56.7	-61.1	-65.5	-69.9	-74.3	-78.7	-83.1	-87.5	-91.9	-96.3
		kW	8.3	8.5	8.7	9.0	9.3	9.6	9.9	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1
		Hi PR	252	271	286	299	312	325	338	351	364	377	390	403	416	429	442	455	468	481	494	507	520	533	546	559	572	585	598	611	624	637	650
		Lo PR	107	114	124	132	140	148	156	164	172	180	188	196	204	212	220	228	236	244	252	260	268	276	284	292	300	308	316	324	332	340	348

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

Design Superheat 7±2 °F, Design Subcooling 12 ± 2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions

Shaded area reflects AHRI Rating Conditions

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE																					
				65				75				85				95				105				115													
				59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71										
70	4500	MBh	137.2	142.2	155.8	-	134.0	138.9	152.2	-	130.8	135.6	148.5	-	127.6	132.3	144.9	-	121.2	125.7	137.7	-	112.3	116.4	127.5	-											
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-											
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-											
		kW	10.27	10.49	10.82	-	11.07	11.31	11.67	-	11.77	12.03	12.42	-	12.39	12.67	13.09	-	12.92	13.21	13.65	-	13.37	13.68	14.14	-											
		HI PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	434	459	-	446	480	507	-											
LO PR	100	107	117	-	106	113	123	-	110	117	128	-	116	123	135	-	121	129	141	-	126	134	146	-													
70	4000	MBh	133.2	138.1	151.3	-	130.1	134.8	147.7	-	127.0	131.6	144.2	-	123.9	128.4	140.7	-	117.7	122.0	133.7	-	109.0	113.0	123.8	-											
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-											
		ΔT	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-											
		kW	10.19	10.40	10.73	-	10.98	11.21	11.58	-	11.67	11.93	12.32	-	12.29	12.56	12.98	-	12.81	13.10	13.53	-	13.26	13.56	14.02	-											
		HI PR	244	263	278	-	274	295	312	-	312	336	355	-	355	382	404	-	400	430	454	-	442	475	502	-											
LO PR	99	106	116	-	105	112	122	-	109	116	127	-	115	122	133	-	120	128	140	-	124	132	144	-													
70	3500	MBh	122.9	127.4	139.6	-	120.1	124.5	136.4	-	117.2	121.5	133.1	-	114.4	118.5	129.9	-	108.6	112.6	123.4	-	100.6	104.3	114.3	-											
		S/T	0.65	0.54	0.37	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.74	0.62	0.43	-											
		ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-											
		kW	9.94	10.15	10.47	-	10.71	10.94	11.29	-	11.38	11.63	12.01	-	11.98	12.25	12.65	-	12.49	12.77	13.19	-	12.92	13.22	13.66	-											
		HI PR	237	255	269	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	428	461	487	-											
LO PR	97	103	112	-	102	108	118	-	106	113	123	-	111	118	129	-	117	124	135	-	121	128	140	-													
75	4500	MBh	139.5	143.6	155.5	166.9	136.3	140.3	151.9	163.0	133.0	137.0	148.2	159.1	129.8	133.6	144.6	155.2	123.3	126.9	137.4	147.5	114.2	117.6	127.3	136.6											
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40											
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11											
		kW	10.35	10.57	10.91	11.27	11.16	11.40	11.77	12.16	11.87	12.13	12.53	12.95	12.50	12.77	13.20	13.65	13.03	13.32	13.77	14.24	13.49	13.79	14.26	14.75											
		HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	463	483	451	485	512	534											
LO PR	102	108	118	126	107	114	125	133	111	119	129	138	117	125	136	145	123	131	143	152	127	135	147	157													
75	4000	MBh	135.5	139.5	151.0	162.0	132.3	136.2	147.4	158.2	129.2	133.0	143.9	154.5	126.0	129.7	140.4	150.7	119.7	123.2	133.4	143.2	110.9	114.2	123.6	132.6											
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38											
		ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	13	24	22	18	12	22	21	17	12											
		kW	10.27	10.49	10.82	11.17	11.07	11.31	11.67	12.06	11.77	12.03	12.43	12.84	12.39	12.67	13.09	13.53	12.92	13.21	13.65	14.12	13.38	13.68	14.14	14.62											
		HI PR	247	266	281	293	277	298	315	328	315	339	358	374	359	386	408	425	404	435	459	479	446	480	507	529											
LO PR	101	107	117	124	106	113	123	131	110	117	128	137	116	123	135	143	121	129	141	150	126	134	146	155													
75	3500	MBh	125.0	128.7	139.3	149.5	122.1	125.7	136.1	146.1	119.2	122.7	132.8	142.6	116.3	119.7	129.6	139.1	110.5	113.8	123.1	132.1	102.3	105.4	114.1	122.4											
		S/T	0.73	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.84	0.75	0.57	0.37											
		ΔT	24	22	18	13	24	22	18	13	24	23	18	13	25	23	19	13	24	22	18	13	23	21	17	12											
		kW	10.02	10.24	10.56	10.90	10.80	11.03	11.39	11.76	11.48	11.73	12.11	12.52	12.08	12.35	12.76	13.19	12.59	12.88	13.30	13.75	13.04	13.33	13.78	14.24											
		HI PR	240	258	272	284	269	289	305	319	306	329	347	362	348	375	396	413	392	422	445	464	433	466	492	513											
LO PR	97	104	113	121	103	110	120	127	107	114	124	132	112	120	131	139	118	125	137	146	122	130	142	151													
		DB = Entering Indoor Dry Bulb Temperature												Shaded area reflects ACCA (TVA) conditions												Design Superheat 8±3 °F @ the compressor suction access fitting connection.											
		High & low pressures are measured at the liquid & suction service ports.												Design Subcooling, 12±3 °F @ liquid access fitting connection AHRI 95 test conditions.																							

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																																															
				65								75								85								95								105								115							
				ENTERING INDOOR WET BULB TEMPERATURE																																															
4500	MBh	142.0	145.1	155.0	165.7	138.7	141.7	151.4	161.9	135.4	138.3	147.8	158.0	132.1	135.0	144.2	154.1	125.5	128.2	137.0	146.4	116.2	118.8	126.9	135.7																										
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.00	0.94	0.77	0.57																										
	ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	25	21	17	24	23	20	16																										
	kW	10.44	10.66	11.00	11.36	11.25	11.50	11.87	12.26	11.97	12.23	12.64	13.06	12.60	12.88	13.31	13.76	13.14	13.44	13.89	14.36	13.60	13.91	14.38	14.88																										
	HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	539																										
80	LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159																										
	MBh	137.9	140.9	150.5	160.9	134.7	137.6	147.0	157.1	131.4	134.3	143.5	153.4	128.2	131.0	140.0	149.7	121.8	124.5	133.0	142.2	112.9	115.3	123.2	131.7																										
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55																										
	ΔT	26	25	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17																										
	kW	10.35	10.58	10.91	11.27	11.16	11.40	11.77	12.16	11.87	12.13	12.53	12.95	12.50	12.78	13.20	13.65	13.03	13.32	13.77	14.24	13.49	13.80	14.26	14.75																										
3500	HI PR	249	268	283	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	483	451	485	512	534																										
	LO PR	102	108	118	126	107	114	125	133	111	119	129	138	117	125	136	145	123	131	143	152	127	135	147	157																										
	MBh	127.2	130.0	138.9	148.5	124.3	127.0	135.7	145.0	121.3	124.0	132.5	141.6	118.4	120.9	129.2	138.1	112.4	114.9	122.8	131.2	104.2	106.4	113.7	121.6																										
	S/T	0.81	0.76	0.62	0.46	0.84	0.78	0.64	0.48	0.86	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.93	0.87	0.71	0.53																										
	ΔT	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	23	18	25	24	21	17																										
85	kW	10.10	10.32	10.65	10.99	10.88	11.12	11.48	11.86	11.57	11.83	12.22	12.62	12.18	12.45	12.87	13.30	12.70	12.98	13.42	13.87	13.15	13.44	13.89	14.37																										
	HI PR	242	260	275	287	271	292	309	322	309	332	351	366	352	378	400	417	396	426	450	469	437	470	497	518																										
	LO PR	98	105	114	122	104	111	121	129	108	115	126	134	114	121	132	140	119	127	138	147	123	131	143	152																										
	4500	MBh	144.5	147.3	154.2	164.6	141.1	143.8	150.7	160.7	137.8	140.4	147.1	156.9	134.4	137.0	143.5	153.1	127.7	130.1	136.3	145.4	118.3	120.6	126.3	134.7																									
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75																										
4000	ΔT	27	27	25	22	27	27	26	22	27	27	26	22	27	27	26	22	26	27	25	22	24	25	24	21																										
	kW	10.52	10.75	11.09	11.45	11.34	11.59	11.97	12.36	12.07	12.33	12.74	13.17	12.71	12.99	13.42	13.88	13.25	13.55	14.00	14.48	13.72	14.03	14.51	15.00																										
	HI PR	254	274	289	302	286	307	324	338	325	349	369	385	370	398	420	438	416	448	473	493	460	495	522	545																										
	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160																										
	85	MBh	140.3	143.0	149.7	159.8	137.0	139.7	146.3	156.0	133.7	136.3	142.8	152.3	130.5	133.0	139.3	148.6	124.0	126.4	132.3	141.2	114.8	117.0	122.6	130.8																									
S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71																											
3500	ΔT	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	28	28	26	23	26	26	25	21																										
	kW	10.44	10.66	11.00	11.36	11.25	11.50	11.87	12.26	11.97	12.23	12.64	13.06	12.60	12.88	13.31	13.76	13.14	13.44	13.89	14.36	13.60	13.91	14.38	14.88																										
	HI PR	252	271	286	299	283	304	321	335	322	346	365	381	366	394	416	434	412	443	468	488	455	490	517	539																										
	LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159																										
	85	MBh	129.5	132.0	138.2	147.5	126.5	128.9	135.0	144.0	123.4	125.8	131.8	140.6	120.4	122.8	128.6	137.2	114.4	116.6	122.1	130.3	106.0	108.0	113.1	120.7																									
S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.78	0.63	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.97	0.94	0.84	0.69																											
3500	ΔT	29	28	27	23	29	29	27	23	29	29	27	23	29	29	27	24	29	28	27	23	27	27	25	22																										
	kW	10.18	10.40	10.73	11.08	10.97	11.21	11.57	11.96	11.67	11.93	12.32	12.73	12.28	12.56	12.97	13.41	12.81	13.09	13.53	13.99	13.26	13.56	14.01	14.49																										
	HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	442	475	502	523																										
	LO PR	99	106	116	123	105	112	122	130	109	116	127	135	115	122	133	142	120	128	140	149	124	132	144	154																										

IDB = Entering Indoor Dry Bulb Temperature

High & low pressures are measured at the liquid & suction service ports.

Shaded area reflects AHRI rating conditions

Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Design Subcooling, 12±3 °F @ liquid access fitting connection AHRI 95 test conditions.

DCH090

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	113.1	107.1	100.8	94.2	90	87.2	81.0	74.7	56.1	51.8	47.7	45.0	43.3	38.9	34.5	30.1	25.7	21.0
T/R	34.9	33.1	31.1	29.1	27.8	26.9	25.0	23.1	17.3	16.0	14.7	13.9	13.4	12.0	10.6	9.3	7.9	6.5
kW	8.21	8.06	7.90	7.75	7.66	7.59	7.45	7.29	6.65	6.51	6.37	6.29	6.23	6.09	5.95	5.82	5.67	5.54
Amps	29.98	28.23	26.82	25.60	24.9	24.54	23.51	22.62	21.93	21.23	20.51	20.17	19.99	19.29	18.42	17.71	16.84	15.79
COP	4.0	3.9	3.7	3.6	3.4	3.4	3.2	3.0	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.3	1.1
HI PR	424	406	390	373	365	358	344	330	316	302	290	283	278	267	257	246	238	229
LO PR	134	124	117	107	101	97	89	80	72	64	56	52	51	43	37	31	27	21

DCH102

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	128.2	121.4	114.2	106.8	102	98.8	91.8	84.7	69.2	63.8	58.8	55.5	53.4	48.0	42.5	37.1	31.6	25.9
T/R	34.9	33.1	31.1	29.1	27.8	26.9	25.0	23.1	18.8	17.4	16.0	15.1	14.6	13.1	11.6	10.1	8.6	7.1
kW	9.34	9.17	8.99	8.82	8.72	8.64	8.48	8.30	7.83	7.66	7.50	7.41	7.34	7.17	7.01	6.85	6.68	6.52
Amps	37.57	35.17	33.25	31.57	30.6	30.13	28.71	27.51	26.55	25.60	24.63	24.16	23.91	22.95	21.77	20.79	19.61	18.17
COP	4.0	3.9	3.7	3.5	3.4	3.3	3.2	3.0	2.6	2.4	2.3	2.2	2.1	2.0	1.8	1.6	1.4	1.2
HI PR	419	401	386	369	360	354	340	326	312	298	287	280	275	264	254	244	235	227
LO PR	136	126	118	108	103	99	91	81	73	65	57	53	51	43	37	32	28	22

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

kW = Total system power

High pressure is measured at the liquid line gauge port connection

Amps = Outdoor unit amps (comp.+fan)

Low pressure is measured at the compressor suction gauge port connection.

Design Super Heat 7°± 2 @ Suction Service Port 47 test condition

DCH120

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	150.8	142.8	134.4	125.6	120	116.3	108.0	99.6	87.7	81.0	74.6	70.4	67.8	60.8	53.9	47.0	40.1	32.9
T/R	34.9	33.1	31.1	29.1	27.8	26.9	25.0	23.1	20.3	18.7	17.3	16.3	15.7	14.1	12.5	10.9	9.3	7.6
kW	10.70	10.50	10.31	10.11	10.0	9.92	9.73	9.54	8.65	8.47	8.30	8.20	8.13	7.95	7.78	7.61	7.44	7.27
Amps	41.27	38.87	36.93	35.26	34.3	33.81	32.39	31.18	30.22	29.27	28.29	27.82	27.57	26.61	25.42	24.44	23.26	21.81
COP	4.1	4.0	3.8	3.6	3.5	3.4	3.2	3.1	3.0	2.8	2.6	2.5	2.4	2.2	2.0	1.8	1.6	1.3
HI PR	439	421	405	387	378	371	356	342	328	313	301	293	288	277	266	256	246	238
LO PR	133	123	115	106	100	96	89	79	71	64	56	52	50	42	37	31	27	21

DCH150

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	178.5	169.0	159.0	148.7	142	137.6	127.8	117.9	104.7	96.6	89.0	84.0	80.9	72.6	64.3	56.1	47.9	39.2
T/R	39.4	37.3	35.1	32.8	31.3	30.3	28.2	26.0	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
kW	13.89	13.64	13.39	13.14	13.0	12.89	12.65	12.40	12.36	12.10	11.85	11.70	11.60	11.34	11.09	10.85	10.59	10.34
COP	3.76	3.62	3.48	3.31	3.2	3.12	2.96	2.78	2.48	2.34	2.20	2.10	2.04	1.87	1.70	1.51	1.32	1.11
HI PR	471	452	434	415	405	398	382	367	351	336	322	315	309	297	286	274	264	255
LO PR	129	120	113	103	98	94	86	77	69	62	54	51	49	41	36	30	26	21

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

kW = Total system power

High pressure is measured at the liquid line gauge port connection

Amps = Outdoor unit amps (comp.+fan)

Low pressure is measured at the compressor suction gauge port connection.

Design Super Heat 7°± 2 @ Suction Service Port 47 test condition

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3617	704	1.07	3293	653	0.84
0.3	---	---	---	---	---	---	---	---	---	3541	749	1.15	3179	704	0.88	2757	656	0.66
0.5	---	---	---	---	---	---	3447	798	1.23	3049	754	0.94	2606	710	0.71	---	---	---
0.7	---	---	---	3400	848	1.33	2950	798	1.01	2474	754	0.75	---	---	---	---	---	---
0.9	3303	890	1.41	2871	848	1.11	2408	804	0.82	---	---	---	---	---	---	---	---	---
1.1	2838	897	1.23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3401	909	1.51
1.1	---	---	---	---	---	---	---	---	---	---	---	---	3428	965	1.71	2943	915	1.3
1.3	---	---	---	---	---	---	---	---	---	3471	1015	1.9	3012	971	1.5	2423	920	1.12
1.5	---	---	---	---	---	---	3722	1063	2.25	3041	1023	1.67	2503	976	1.31	---	---	---
1.7	---	---	---	---	---	---	3359	1075	2.04	2540	1031	1.5	---	---	---	---	---	---
1.9	---	---	---	3381	1119	2.22	2890	1080	1.78	---	---	---	---	---	---	---	---	---
2.1	---	---	---	3089	1129	2.04	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3625	701	1.08	3309	660	0.86
0.3	---	---	---	---	---	---	3815	797	1.44	3468	747	1.11	3177	703	0.88	2796	663	0.68
0.5	---	---	---	3780	841	1.52	3405	803	1.23	3053	753	0.94	2608	709	0.68	2225	665	0.53
0.7	3687	885	1.6	3327	847	1.29	2968	805	1.02	2423	758	0.73	---	---	---	---	---	---
0.9	3236	891	1.39	2850	852	1.1	2352	807	0.8	---	---	---	---	---	---	---	---	---
1.1	2713	896	1.17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3447	902	1.54
1.1	---	---	---	---	---	---	---	---	---	---	---	---	3398	956	1.65	3006	908	1.31
1.3	---	---	---	---	---	---	---	---	---	3486	1008	1.87	2960	962	1.44	---	---	---
1.5	---	---	---	---	---	---	3514	1057	2.07	2949	1019	1.62	---	---	---	---	---	---
1.7	---	---	---	3388	1103	2.18	3036	1069	1.84	---	---	---	---	---	---	---	---	---
1.9	---	---	---	2959	1114	2.0	---	---	---	---	---	---	---	---	---	---	---	---
2.1	---	---	---	2527	1124	1.86	---	---	---	---	---	---	---	---	---	---	---	---

NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Applications that exceed the above
- could require a larger motor. Minimum rated SCFM is 350 per ton.

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3467	701	1.04	3143	650	0.81
0.3	---	---	---	---	---	---	---	---	---	3391	746	1.12	3029	701	0.85	2607	653	0.63
0.5	---	---	---	---	---	---	3297	795	1.20	2899	751	0.91	2456	707	0.68	---	---	---
0.7	---	---	---	3250	845	1.30	2800	795	0.98	---	---	---	---	---	---	---	---	---
0.9	3153	887	1.38	2721	845	1.08	---	---	---	---	---	---	---	---	---	---	---	---
1.1	2688	894	1.20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3251	906	1.48
1.1	---	---	---	---	---	---	---	---	---	---	---	---	3278	962	1.68	2793	912	1.27
1.3	---	---	---	---	---	---	---	---	---	3321	1012	1.87	2862	968	1.47	---	---	---
1.5	---	---	---	---	---	---	3572	1060	2.22	2891	1020	1.64	---	---	---	---	---	---
1.7	---	---	---	---	---	---	3209	1072	2.01	---	---	---	---	---	---	---	---	---
1.9	---	---	---	3231	1116	2.19	2740	1077	1.75	---	---	---	---	---	---	---	---	---
2.1	3256	1156	2.31	2939	1126	2.01	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3475	698	1.05	3159	657	0.83
0.3	---	---	---	---	---	---	3665	794	1.41	3318	744	1.08	3027	700	0.85	2646	660	0.65
0.5	---	---	---	3630	838	1.49	3255	800	1.2	2903	750	0.91	2458	706	0.65	---	---	---
0.7	3537	882	1.57	3177	844	1.26	2818	802	0.99	---	---	---	---	---	---	---	---	---
0.9	3086	888	1.36	2700	849	1.07	---	---	---	---	---	---	---	---	---	---	---	---
1.1	2563	893	1.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3297	899	1.51
1.1	---	---	---	---	---	---	---	---	---	---	---	---	3248	953	1.62	2856	905	1.28
1.3	---	---	---	---	---	---	---	---	---	3336	1005	1.84	2810	959	1.41	---	---	---
1.5	---	---	---	---	---	---	3364	1054	2.04	2799	1016	1.59	---	---	---	---	---	---
1.7	---	---	---	3238	1100	2.15	2886	1066	1.81	---	---	---	---	---	---	---	---	---
1.9	3188	1146	2.23	2809	1111	1.97	---	---	---	---	---	---	---	---	---	---	---	---

NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Applications that exceed the above
- could require a larger motor. Minimum rated SCFM is 350 per ton.

TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2	---	---	---	---	---	---	---	---	---	---	---	---	4629	774	1.76	4269	733	1.42
0.4	---	---	---	---	---	---	---	---	---	4539	824	1.86	4198	781	1.53	3797	735	1.21
0.6	---	---	---	---	---	---	4511	868	2.01	4103	829	1.63	3752	787	1.33	3312	745	1.03
0.8	---	---	---	4445	912	2.14	4144	873	1.81	3695	833	1.45	3180	790	1.07	---	---	---
1	4418	956	2.3	4073	917	1.92	3661	879	1.55	---	---	---	---	---	---	---	---	---
1.2	4064	967	2.09	3518	923	1.6	---	---	---	---	---	---	---	---	---	---	---	---
1.4	3555	972	1.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	---	---	---	---	---	---	---	---	---	---	4288	2.63	4681	937	2.38	4206	891	1.91
1.0	---	---	---	---	---	---	---	---	4273	2.83	3858	2.37	4288	948	2.19	3721	897	1.63
1.2	---	---	---	---	---	---	4296	3.07	3780	2.52	3327	2.08	3845	954	1.91	---	---	---
1.4	---	---	4551	3.81	4257	3.31	3706	2.65	3197	2.17	---	---	---	---	---	---	---	---
1.6	---	---	4083	3.42	3842	2.99	3116	2.22	---	---	---	---	---	---	---	---	---	---
1.8	4230	3.78	3809	3.18	3285	2.66	---	---	---	---	---	---	---	---	---	---	---	---
2.0	3859	3.45	3322	2.87	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.2	3445	3.11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4707	724	1.62
0.4	---	---	---	---	---	---	---	---	---	---	---	---	4679	774	1.78	4235	730	1.4
0.6	---	---	---	---	---	---	---	---	---	4595	822	1.91	4223	780	1.55	3679	735	1.16
0.8	---	---	---	---	---	---	4468	862	1.96	4121	824	1.64	3596	785	1.26	---	---	---
1	---	---	---	4349	907	2.06	3990	868	1.72	3463	829	1.31	---	---	---	---	---	---
1.2	4486	962	2.35	3923	918	1.84	3267	879	1.33	---	---	---	---	---	---	---	---	---
1.4	3990	967	2.03	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	---	---	---	---	---	---	---	---	---	---	4388	2.74	4681	937	2.38	4206	891	1.91
1.0	---	---	---	---	---	---	---	---	4374	2.95	4039	2.52	4288	948	2.19	3721	897	1.63
1.2	---	---	---	---	---	---	4406	3.22	3975	2.67	3451	2.15	3845	954	1.91	---	---	---
1.4	---	---	---	---	4320	3.36	3965	2.90	3505	2.38	---	---	---	---	---	---	---	---
1.6	---	---	4378	3.61	3493	2.72	3381	2.52	3015	2.06	---	---	---	---	---	---	---	---
1.8	4440	3.77	3729	3.07	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.0	4015	3.38	3080	2.52	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2.2	3522	2.96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN									
	0		1		2		3		4	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	---	---	5605	2.74	5271	2.32	4915	1.95	4587	1.63
0.4	5548	2.96	5202	2.51	4792	2.09	4439	1.73	4073	1.43
0.6	5136	2.71	4533	2.14	4315	1.84	3860	1.51	---	---
0.8	4692	2.51	3931	1.86	3742	1.60	---	---	---	---
1.0	4166	2.17	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (IN W.C.)	TURNS OPEN									
	0		1		2		3		4	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.8	---	---	---	---	---	---	5332	3.64	4910	3.09
1.0	---	---	5660	4.52	5271	3.87	4827	3.28	4361	2.74
1.2	5582	5.05	5187	4.12	4802	3.52	4332	2.93	3822	2.38
1.4	5174	4.65	4707	3.69	4260	3.09	3683	2.48	---	---
1.6	4695	4.23	4208	3.28	3586	2.61	---	---	---	---
1.8	4187	3.79	3680	2.86	---	---	---	---	---	---
2.0	3602	3.30	---	---	---	---	---	---	---	---

TWO-SPEED BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN									
	0		1		2		3		4	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	5230	3.15	4998	2.72	4592	2.24	4474	1.99	4160	1.67
0.4	4933	2.92	4619	2.47	4244	2.05	4063	1.79	3722	1.48
0.6	4602	2.69	4220	2.22	3840	1.84	3652	1.58	---	---
0.8	4265	2.46	3797	1.98	---	---	---	---	---	---
1.0	3883	2.21	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

ESP (IN W.C.)	TURNS OPEN									
	0		1		2		3		4	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.8	5592	4.84	5460	4.22	5178	3.74	4851	3.32	4481	2.84
1.0	5436	4.52	5120	3.92	4770	3.41	4445	3.02	4087	2.57
1.2	5125	4.22	4780	3.62	4354	3.08	4036	2.73	3670	2.88
1.4	4795	3.91	4421	3.31	3990	2.81	3602	2.42	---	---
1.6	4410	3.57	4036	3.00	3652	2.57	---	---	---	---
1.8	3996	3.22	3593	2.66	---	---	---	---	---	---
2.0	3760	2.96	---	---	---	---	---	---	---	---

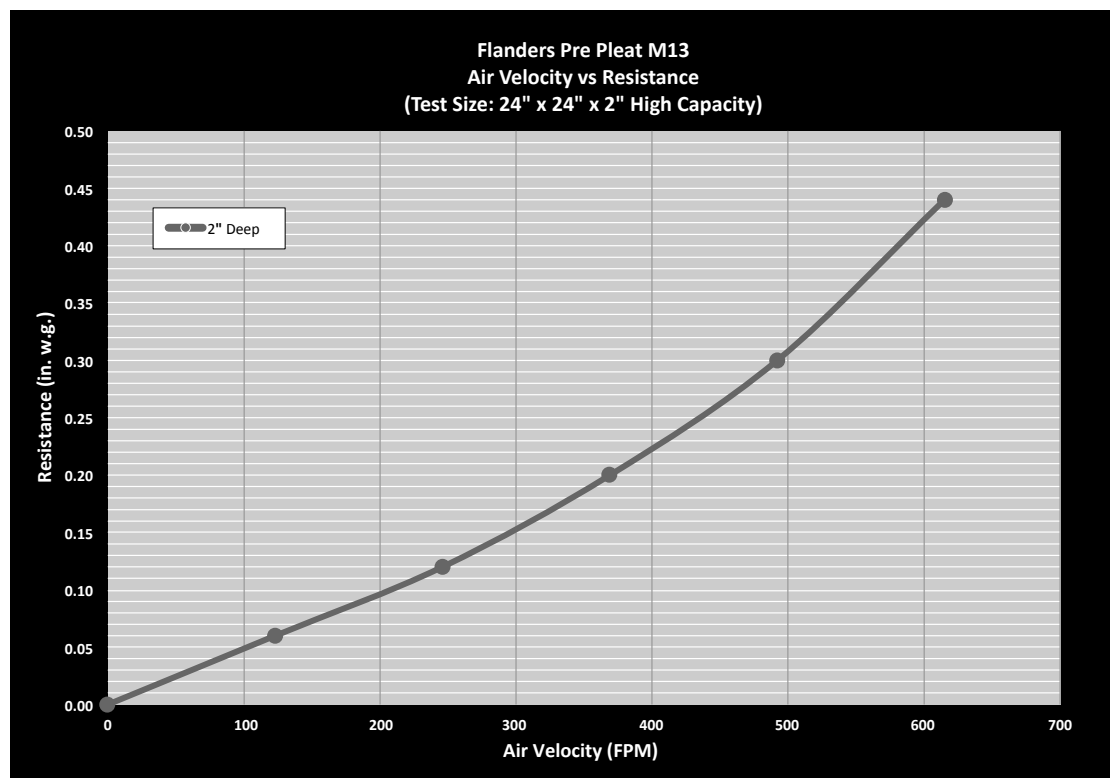
NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Application that exceed the above could require a larger motor. Minimum rated SCFM is 350 per ton.

AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 7.5 TO 12.5 TON ROOFTOP UNITS (100% RETURN AIR)

SCFM	2000	2500	3000	3500	4000	4500	5000	5500
in. WG	0.02	0.04	0.06	0.09	0.13	0.18	0.23	0.29

HIGH EFFICIENCY MERV 13 AIR FILTER OPTION



TONNAGE:	FILTER NOMINAL SIZE:	PART NUMBER:	ORDER QTY:
7.5	16 x 20 x 2	0160L00205	4
7.5(HP), 8.5, 10	16 X 24 X 2	0160L00206	4
12.5	20 x 20 x 2	0160L00201	4
	14 x 20 x 2	0160L00204	2

CRANKCASE HEATER SELECTION TABLE

ZP/ZPS...	COMPRESSOR DIAMETER	COMPRESSOR VOLTAGE			CRANKCASE HEATER WATTS
		230V	460V	575V	
16-31	5.5"	0163R00002S	0163R00031S	0163R00032S	40
39-83	6.58/7.3"	0130L00017S	0130L00018S	0130L00019S	70
103-137	9.14"	0130L00020S	0130L00021S	0130L00022S	90

DC* TONNAGE	COMPRESSOR VOLTAGE			CRANKCASE HEATER WATTS
	230V	460V	575V	
7.5 Ton-12.5 Ton	0130L00017S	0130L00018S	0130L00019S	70

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	UNIT POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	MODEL	KW*	FLA	FLA	MCA	MOP
DCH090XXX3W	208/230-3-60	13.1	83.1	13.1	83.1	2	0.25	1.4	2-speed High Static Belt Drive	2.00	6.0	-	-	-	-	38.4 / 38.4	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	77.5 / 83.5	80 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	116 / 128	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	155 / 173	175 / 175
												-	-	-	7.2 / 6.5	45.6 / 44.9	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	84.7 / 90.0	90 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	123 / 135	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	163 / 180	175 / 200
DCH090XXX3V	208/230-3-60	13.1	83.1	13.1	83.1	2	0.25	1.4	2-speed Belt Drive	2.00	6.0	-	-	-	-	38.4 / 38.4	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	77.5 / 83.5	80 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	116 / 128	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	155 / 173	175 / 175
												-	-	-	7.2 / 6.5	45.6 / 44.9	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	84.7 / 90.0	90 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	123 / 135	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	163 / 180	175 / 200
DCH090XXX4W	460-3-60	6.1	41.0	6.1	41.0	2	0.25	0.7	2-speed High Static Belt Drive	2.00	2.9	-	-	-	-	18.0	20
												EHK4-16	15.0	18.0	-	40.6	45
												EHK4-30	29.9	36.0	-	63.0	70
												EHK4-45	44.9	54.0	-	85.5	90
												-	-	-	3.3	21.3	25
												EHK4-16	15.0	18.0	3.3	43.9	45
												EHK4-30	29.9	36.0	3.3	66.3	70
												EHK4-45	44.9	54.0	3.3	88.8	90
DCH090XXX4V	460-3-60	6.1	41.0	6.1	41.0	2	0.25	0.7	2-speed Belt Drive	2.00	2.9	-	-	-	-	18.0	20
												EHK4-16	15.0	18.0	-	40.6	45
												EHK4-30	29.9	36.0	-	63.0	70
												EHK4-45	44.9	54.0	-	85.5	90
												-	-	-	3.3	21.3	25
												EHK4-16	15.0	18.0	3.3	43.9	45
												EHK4-30	29.9	36.0	3.3	66.3	70
												EHK4-45	44.9	54.0	3.3	88.8	90
DCH090XXX7W	575-3-60	4.4	33.0	4.4	33.0	2	0.25	0.6	2-speed High Static Belt Drive	2.00	2.4	-	-	-	-	13.4	15
												EHK7-16	15.0	15.1	-	32.2	35
												EHK7-30	29.9	30.0	-	50.9	60
												EHK7-45	44.9	45.1	-	69.8	70
												-	-	-	2.6	16.0	20
												EHK7-16	15.0	15.1	2.6	34.8	35
												EHK7-30	29.9	30.0	2.6	53.5	60
												EHK7-45	44.9	45.1	2.6	72.4	80
DCH090XXX7V	575-3-60	4.4	33.0	4.4	33.0	2	0.25	0.6	2-speed Belt Drive	2.00	2.4	-	-	-	-	13.4	15
												EHK7-16	15.0	15.1	-	32.2	35
												EHK7-30	29.9	30.0	-	50.9	60
												EHK7-45	44.9	45.1	-	69.8	70
												-	-	-	2.6	16.0	20
												EHK7-16	15.0	15.1	2.6	34.8	35
												EHK7-30	29.9	30.0	2.6	53.5	60
												EHK7-45	44.9	45.1	2.6	72.4	80

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	UNIT POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	MODEL	KW*	FLA	FLA	MCA	MOP
DCH102XXX3W	208/230-3-60	14.5	98.0	14.5	98.0	2	0.33	2.3	2-speed High Static Belt Drive	2.00	6.0	-	-	-	-	43.2 / 43.2	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	82.3 / 88.3	90 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	121 / 133	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	160 / 178	175 / 200
												-	-	-	7.2 / 6.5	50.4 / 49.7	60 / 60
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	89.5 / 94.8	90 / 100
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	128 / 140	150 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	167 / 185	175 / 200
DCH102XXX3V	208/230-3-60	14.5	98.0	14.5	98.0	2	0.33	2.3	2-speed Belt Drive	2.00	6.0	-	-	-	-	43.2 / 43.2	50 / 50
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	82.3 / 88.3	90 / 90
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	121 / 133	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	160 / 178	175 / 200
												-	-	-	7.2 / 6.5	50.4 / 49.7	60 / 60
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	89.5 / 94.8	90 / 100
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	128 / 140	150 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	167 / 185	175 / 200
DCH102XXX4W	460-3-60	6.3	55.0	6.3	55.0	2	0.33	1.1	2-speed High Static Belt Drive	2.00	2.9	-	-	-	-	19.4	25
												EHK4-16	15.0	18.0	-	41.9	45
												EHK4-30	29.9	36.0	-	64.3	70
												EHK4-45	44.9	54.0	-	86.9	90
												-	-	-	3.3	22.7	25
												EHK4-16	15.0	18.0	3.3	45.2	50
												EHK4-30	29.9	36.0	3.3	67.6	70
												EHK4-45	44.9	54.0	3.3	90.2	100
DCH102XXX4V	460-3-60	6.3	55.0	6.3	55.0	2	0.33	1.1	2-speed Belt Drive	2.00	2.9	-	-	-	-	19.4	25
												EHK4-16	15.0	18.0	-	41.9	45
												EHK4-30	29.9	36.0	-	64.3	70
												EHK4-45	44.9	54.0	-	86.9	90
												-	-	-	3.3	22.7	25
												EHK4-16	15.0	18.0	3.3	45.2	50
												EHK4-30	29.9	36.0	3.3	67.6	70
												EHK4-45	44.9	54.0	3.3	90.2	100
DCH102XXX7W	575-3-60	6.0	41.0	6.0	41.0	2	0.33	0.9	2-speed High Static Belt Drive	2.00	2.4	-	-	-	-	17.8	20
												EHK7-16	15.0	15.1	-	36.6	40
												EHK7-30	29.9	30.0	-	55.3	60
												EHK7-45	44.9	45.1	-	74.1	80
												-	-	-	2.6	20.4	25
												EHK7-16	15.0	15.1	2.6	39.2	40
												EHK7-30	29.9	30.0	2.6	57.9	60
												EHK7-45	44.9	45.1	2.6	76.7	80
DCH102XXX7V	575-3-60	6.0	41.0	6.0	41.0	2	0.33	0.9	2-speed Belt Drive	2.00	2.4	-	-	-	-	17.8	20
												EHK7-16	15.0	15.1	-	36.6	40
												EHK7-30	29.9	30.0	-	55.3	60
												EHK7-45	44.9	45.1	-	74.1	80
												-	-	-	2.6	20.4	25
												EHK7-16	15.0	15.1	2.6	39.2	40
												EHK7-30	29.9	30.0	2.6	57.9	60
												EHK7-45	44.9	45.1	2.6	76.7	80

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	UNIT POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	MODEL	KW*	FLA	FLA	MCA	MOP
DCH120XXX3W	208/230-3-60	16.0	110.0	16.0	110.0	2	0.33	2.0	2-speed High Static Belt Drive	5.00	14.0	-	-	-	-	53.9 / 53.9	60 / 60
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	93.0 / 99.0	100 / 100
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	132 / 144	150 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	171 / 189	175 / 200
												-	-	-	7.2 / 6.5	61.1 / 60.4	70 / 70
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	100 / 106	100 / 110
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	139 / 150	150 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	178 / 195	200 / 200
												-	-	-	-	46.3 / 46.3	60 / 60
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	85.4 / 91.4	90 / 100
DCH120XXX3V	208/230-3-60	16.0	110.0	16.0	110.0	2	0.33	2.0	2-speed Belt Drive	2.00	6.4	EHK3-30	22.5 / 29.9	62.3 / 71.9	-	124 / 136	125 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	-	163 / 181	175 / 200
												-	-	-	7.2 / 6.5	53.5 / 52.8	60 / 60
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	92.6 / 97.9	100 / 100
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	131 / 143	150 / 150
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	171 / 188	175 / 200
												-	-	-	-	25.8	30
												EHK4-16	15.0	18.0	-	48.3	50
												EHK4-30	29.9	36.0	-	70.7	80
												EHK4-45	44.9	54.0	-	93.3	100
DCH120XXX4W	460-3-60	7.8	52.0	7.8	52.0	2	0.33	0.9	2-speed High Static Belt Drive	5.00	6.6	-	-	-	3.3	29.1	35
												EHK4-16	15.0	18.0	3.3	51.6	60
												EHK4-30	29.9	36.0	3.3	74.0	80
												EHK4-45	44.9	54.0	3.3	96.6	100
												-	-	-	-	22.2	25
												EHK4-16	15.0	18.0	-	44.7	45
												EHK4-30	29.9	36.0	-	67.1	70
												EHK4-45	44.9	54.0	-	89.7	90
												-	-	-	3.3	25.5	30
												EHK4-16	15.0	18.0	3.3	48.0	50
DCH120XXX4V	460-3-60	7.8	52.0	7.8	52.0	2	0.33	0.9	2-speed Belt Drive	2.00	3.0	EHK4-30	29.9	36.0	3.3	70.4	80
												EHK4-45	44.9	54.0	3.3	93.0	100
												-	-	-	-	19.4	25
												EHK7-16	15.0	15.1	-	38.3	40
												EHK7-30	29.9	30.0	-	57.0	60
												EHK7-45	44.9	45.1	-	75.8	80
												-	-	-	2.6	22.0	25
												EHK7-16	15.0	15.1	2.6	40.9	45
												EHK7-30	29.9	30.0	2.6	59.6	60
												EHK7-45	44.9	45.1	2.6	78.4	80
DCH120XXX7W	575-3-60	5.7	38.9	5.7	38.9	2	0.33	0.7	2-speed High Static Belt Drive	5.00	5.2	-	-	-	-	16.6	20
												EHK7-16	15.0	15.1	-	35.5	40
												EHK7-30	29.9	30.0	-	54.2	60
												EHK7-45	44.9	45.1	-	73.0	80
												-	-	-	2.6	19.2	20
												EHK7-16	15.0	15.1	2.6	38.1	40
												EHK7-30	29.9	30.0	2.6	56.8	60
												EHK7-45	44.9	45.1	2.6	75.6	80
												-	-	-	-	16.6	20
												EHK7-16	15.0	15.1	-	35.5	40
DCH120XXX7V	575-3-60	5.7	38.9	5.7	38.9	2	0.33	0.7	2-speed Belt Drive	2.00	2.4	EHK7-30	29.9	30.0	-	54.2	60
												EHK7-45	44.9	45.1	-	73.0	80
												-	-	-	2.6	19.2	20
												EHK7-16	15.0	15.1	2.6	38.1	40
												EHK7-30	29.9	30.0	2.6	56.8	60
												EHK7-45	44.9	45.1	2.6	75.6	80
												-	-	-	-	16.6	20
												EHK7-16	15.0	15.1	-	35.5	40
												EHK7-30	29.9	30.0	-	54.2	60
												EHK7-45	44.9	45.1	-	73.0	80

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	UNIT POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	MODEL	KW*	FLA	FLA	MCA	MOP
DCH150XXX3W	208/230-3-60	22.4	149.0	22.4	149.0	2	0.33	2.0	2-speed High Static Belt Drive	5.00	14.0	-	-	-	-	68.5 / 68.5	90 / 90
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	108 / 114	110 / 125
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	146 / 158	150 / 175
												EHK3-45	33.7 / 44.9	93.6 / 108	-	185 / 203	200 / 225
												-	-	-	7.2 / 6.5	75.7 / 75.0	90 / 90
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	115 / 120	125 / 125
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	154 / 165	175 / 175
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	193 / 210	200 / 225
DCH150XXX3V	208/230-3-60	22.4	149.0	22.4	149.0	2	0.33	2.0	2-speed Belt Drive	3.00	9.1	-	-	-	-	63.6 / 63.6	80 / 80
												EHK3-16	11.3 / 15.0	31.3 / 36.1	-	103 / 109	110 / 110
												EHK3-30	22.5 / 29.9	62.3 / 71.9	-	142 / 153	150 / 175
												EHK3-45	33.7 / 44.9	93.6 / 108	-	181 / 199	200 / 200
												-	-	-	7.2 / 6.5	70.8 / 70.1	90 / 90
												EHK3-16	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	110 / 115	110 / 125
												EHK3-30	22.5 / 29.9	62.3 / 71.9	7.2 / 6.5	149 / 160	150 / 175
												EHK3-45	33.7 / 44.9	93.6 / 108	7.2 / 6.5	188 / 205	200 / 225
DCH150XXX4W	460-3-60	10.6	75.0	10.6	75.0	2	0.33	0.9	2-speed High Static Belt Drive	5.00	6.6	-	-	-	-	32.1	40
												EHK4-16	15.0	18.0	-	54.7	60
												EHK4-30	29.9	36.0	-	77.1	80
												EHK4-45	44.9	54.0	-	99.6	100
												-	-	-	3.3	35.4	45
												EHK4-16	15.0	18.0	3.3	58.0	60
												EHK4-30	29.9	36.0	3.3	80.4	90
												EHK4-45	44.9	54.0	3.3	103	110
DCH150XXX4V	460-3-60	10.6	75.0	10.6	75.0	2	0.33	0.9	2-speed Belt Drive	3.00	4.3	-	-	-	-	29.8	40
												EHK4-16	15.0	18.0	-	52.4	60
												EHK4-30	29.9	36.0	-	74.8	80
												EHK4-45	44.9	54.0	-	97.3	100
												-	-	-	3.3	33.1	40
												EHK4-16	15.0	18.0	3.3	55.7	60
												EHK4-30	29.9	36.0	3.3	78.1	80
												EHK4-45	44.9	54.0	3.3	101	110
DCH150XXX7W	575-3-60	7.7	54.0	7.7	54.0	2	0.33	0.7	2-speed High Static Belt Drive	5.00	5.2	-	-	-	-	23.9	30
												EHK7-16	15.0	15.1	-	42.7	45
												EHK7-30	29.9	30.0	-	61.4	70
												EHK7-45	44.9	45.1	-	80.3	90
												-	-	-	2.6	26.5	30
												EHK7-16	15.0	15.1	2.6	45.3	50
												EHK7-30	29.9	30.0	2.6	64.0	70
												EHK7-45	44.9	45.1	2.6	82.9	90
DCH150XXX7V	575-3-60	7.7	54.0	7.7	54.0	2	0.33	0.7	2-speed Belt Drive	3.00	3.5	-	-	-	-	22.2	25
												EHK7-16	15.0	15.1	-	41.0	45
												EHK7-30	29.9	30.0	-	59.7	60
												EHK7-45	44.9	45.1	-	78.6	80
												-	-	-	2.6	24.8	30
												EHK7-16	15.0	15.1	2.6	43.6	45
												EHK7-30	29.9	30.0	2.6	62.3	70
												EHK7-45	44.9	45.1	2.6	81.2	90

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH090***3V***	
EHK3-16	3000-3375 CFM
EHK3-30	3000-3375 CFM
EHK3-45	3000-3375 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH090***4V***	
EHK4-16	3000-3375 CFM
EHK4-30	3000-3375 CFM
EHK4-45	3000-3375 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH090***7V***	
EHK7-16	3000-3375 CFM
EHK7-30	3000-3375 CFM
EHK7-45	3000-3375 CFM

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 208/230V UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

kW CORRECTION FACTOR FOR 480V UNITS			
SUPPLY VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage, use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

Multiply rated kW by correction factor to get actual kW.

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE (DOWNSHOT)	RECOMMENDED AIRFLOW RANGE (HORIZONTAL)
DCH102***3V***		
EHK3-16	3400 - 3825 CFM	3400 - 3825 CFM
EHK3-30	3400 - 3825 CFM	3400 - 3825 CFM
EHK3-45	3400 - 3825 CFM	3400 - 3825 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE (DOWNSHOT)	RECOMMENDED AIRFLOW RANGE (HORIZONTAL)
DCH102***4V***		
EHK4-16	3400 - 3825 CFM	3400 - 3825 CFM
EHK4-30	3400 - 3825 CFM	3400 - 3825 CFM
EHK4-45	3400 - 3825 CFM	3400 - 3825 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE (DOWNSHOT)	RECOMMENDED AIRFLOW RANGE (HORIZONTAL)
DCH102***7V***		
EHK7-16	3400 - 3825 CFM	3400 - 3825 CFM
EHK7-30	3400 - 3825 CFM	3400 - 3825 CFM
EHK7-45	3400 - 3825 CFM	3400 - 3825 CFM

^ - EHK Heater Kits above require a three-phase power supply

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 208/230V UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

kW CORRECTION FACTOR FOR 480V UNITS			
SUPPLY VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage, use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

Multiply rated kW by correction factor to get actual kW.

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH120***3V***	
EHK3-16	3500 - 4500 CFM
EHK3-30	3500 - 4500 CFM
EHK3-45	4000 - 4500 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH120***4V***	
EHK4-16	3500 - 4500 CFM
EHK4-30	3500 - 4500 CFM
EHK4-45	4000 - 4500 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH0120***7V***	
EHK7-16	3500 - 4500 CFM
EHK7-30	3500 - 4500 CFM
EHK7-45	4000 - 4500 CFM

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 208/230V UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

kW CORRECTION FACTOR FOR 480V UNITS			
SUPPLY VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

For other voltage, use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

Multiply rated kW by correction factor to get actual kW.

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH150***3V***	
EHK3-16	4000 - 5600
EHK3-30	4300 - 5600
EHK3-45	4500 - 5600

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH150***4V***	
EHK4-16	4000 - 5600
EHK4-30	4300 - 5600
EHK4-45	4500 - 5600

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DCH150***7V***	
EHK7-16	4000 - 5600
EHK7-30	4300 - 5600
EHK7-45	4500 - 5600

kW CORRECTION FACTOR

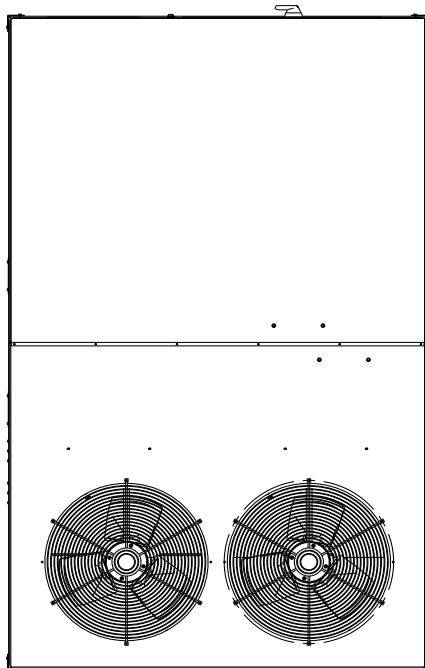
kW CORRECTION FACTOR FOR 208/230V UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

kW CORRECTION FACTOR FOR 480V UNITS			
SUPPLY VOLTAGE	460	440	430
CORRECTION FACTOR	0.92	0.84	0.8

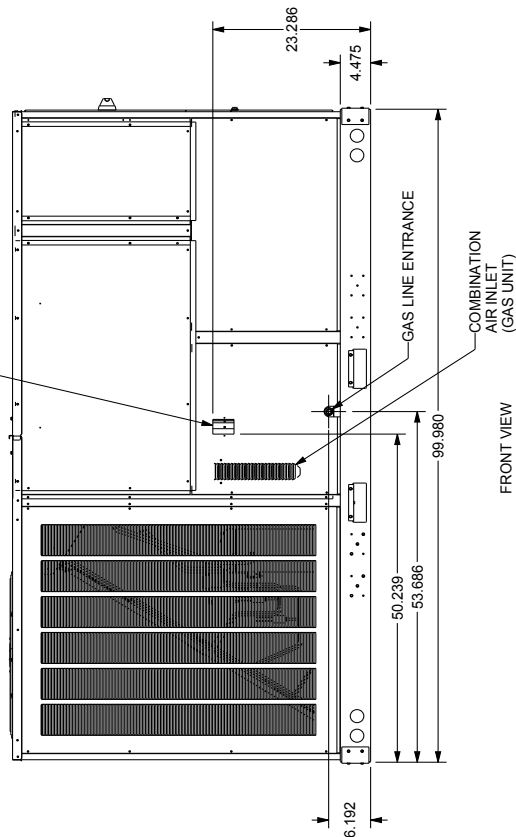
For other voltage, use $\text{voltage}^2 / 480^2$

kW CORRECTION FACTOR FOR 575V UNITS			
SUPPLY VOLTAGE	560	550	540
CORRECTION FACTOR	0.95	0.91	0.88

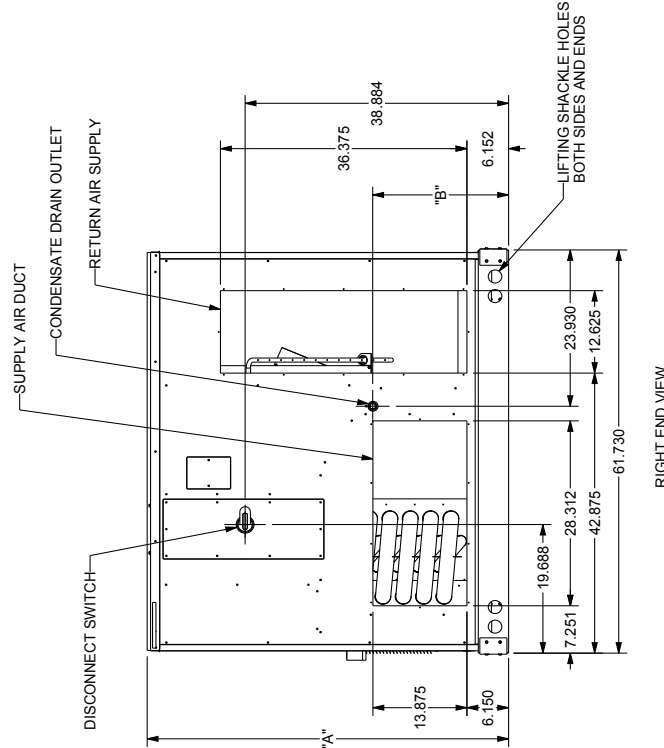
Multiply rated kW by correction factor to get actual kW.



TOP VIEW



FRONT VIEW



RIGHT END VIEW

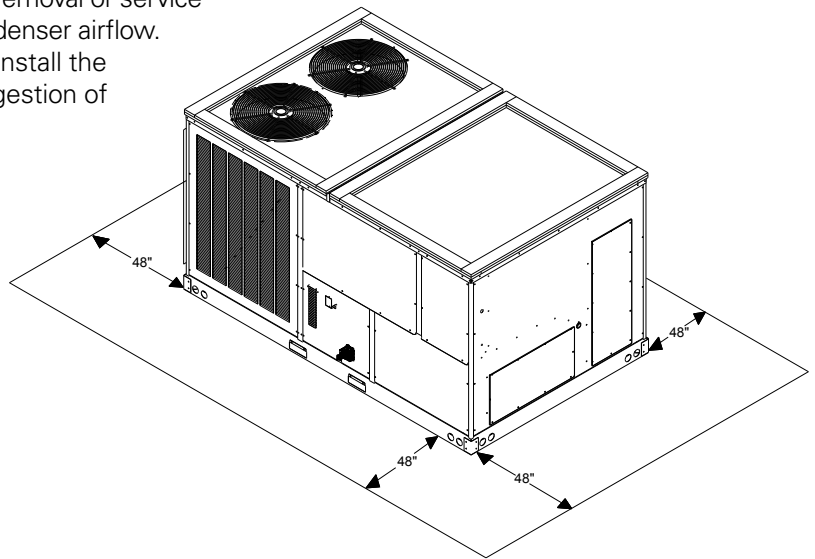
MODEL TONNAGE	"A"	"B"
7.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
8.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
10 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	53.339	20.055
12.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	58.839	18.055

DC*090-150***
7.5 THRU 12.5 TON COMMERCIAL

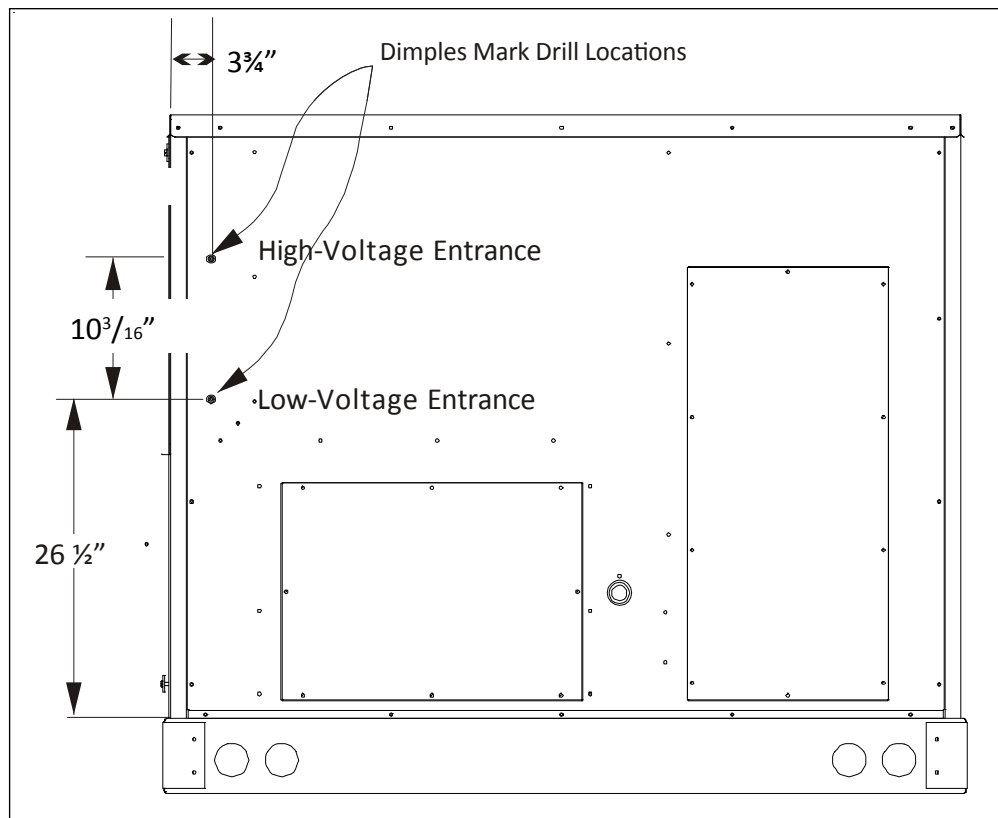
ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

12 1/2 TON USES GRILLE

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a clearance of 48" on all sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.



ELECTRICAL ENTRANCE LOCATIONS



Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60”.
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.

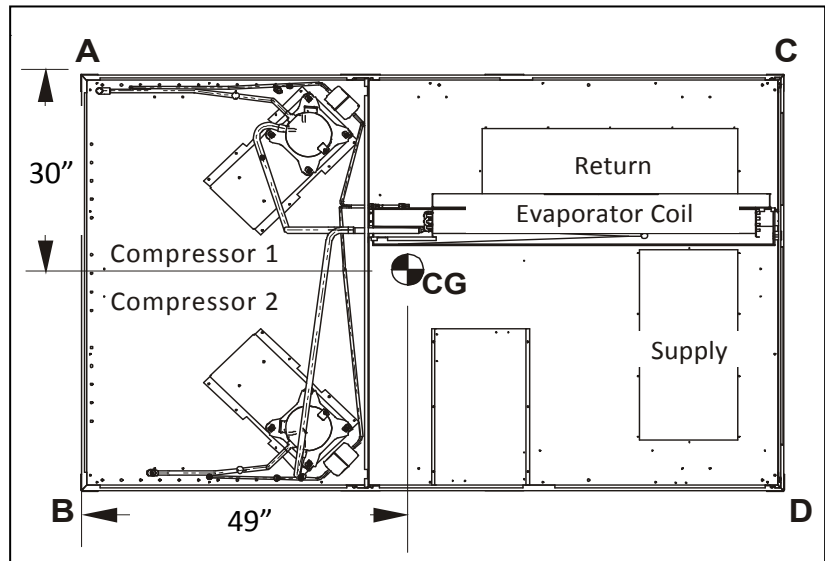
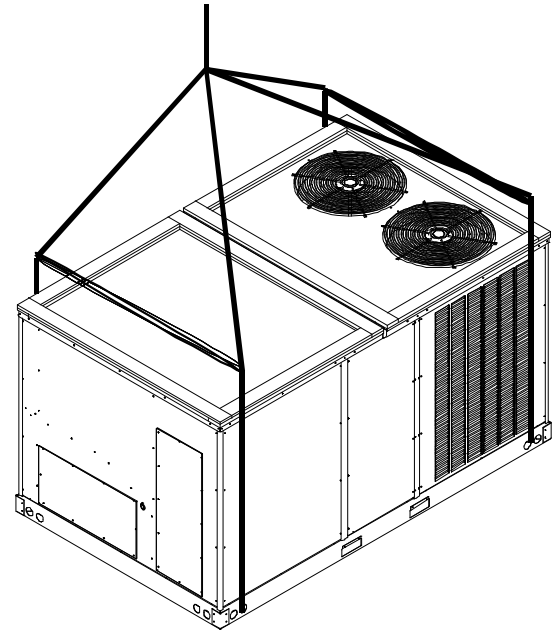
Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation.

Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.



CORNER & CENTER-OF-GRAVITY LOCATIONS

UNIT WEIGHTS	7½-TON WEIGHTS (LBS)	8½-TON WEIGHTS (LBS)	10-TON WEIGHTS (LBS)	12½-TON WEIGHTS (LBS)
Weight A	285	345	345	435
Weight B	285	325	325	345
Weight C	285	320	320	300
Weight D	285	300	300	240
Shipping Weight	1175	1310	1310	1350
Operating Weight	1135	1285	1285	1325

Note: These weights are calculated without accessories installed.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

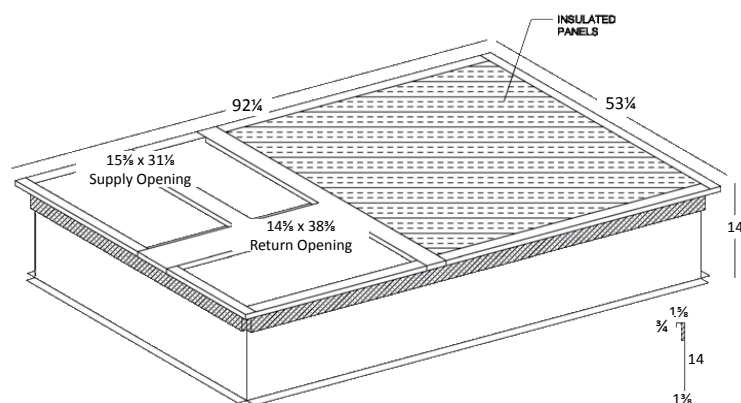
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

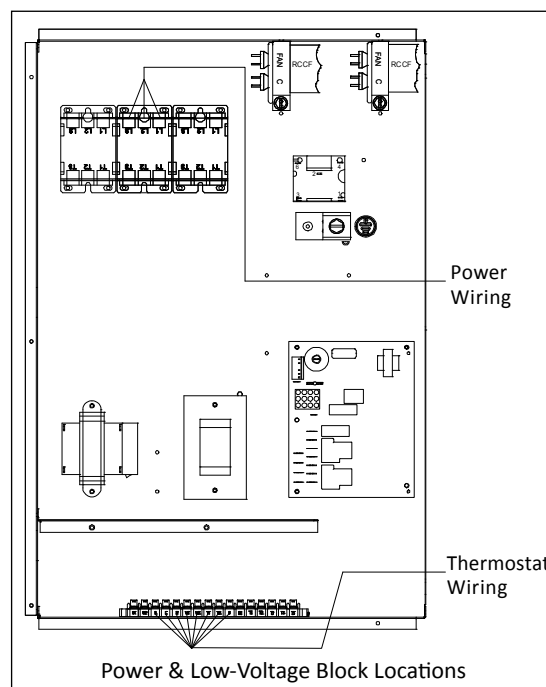
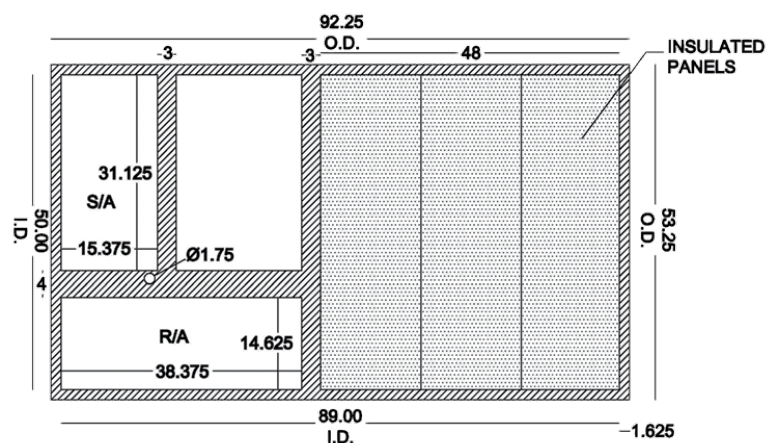
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

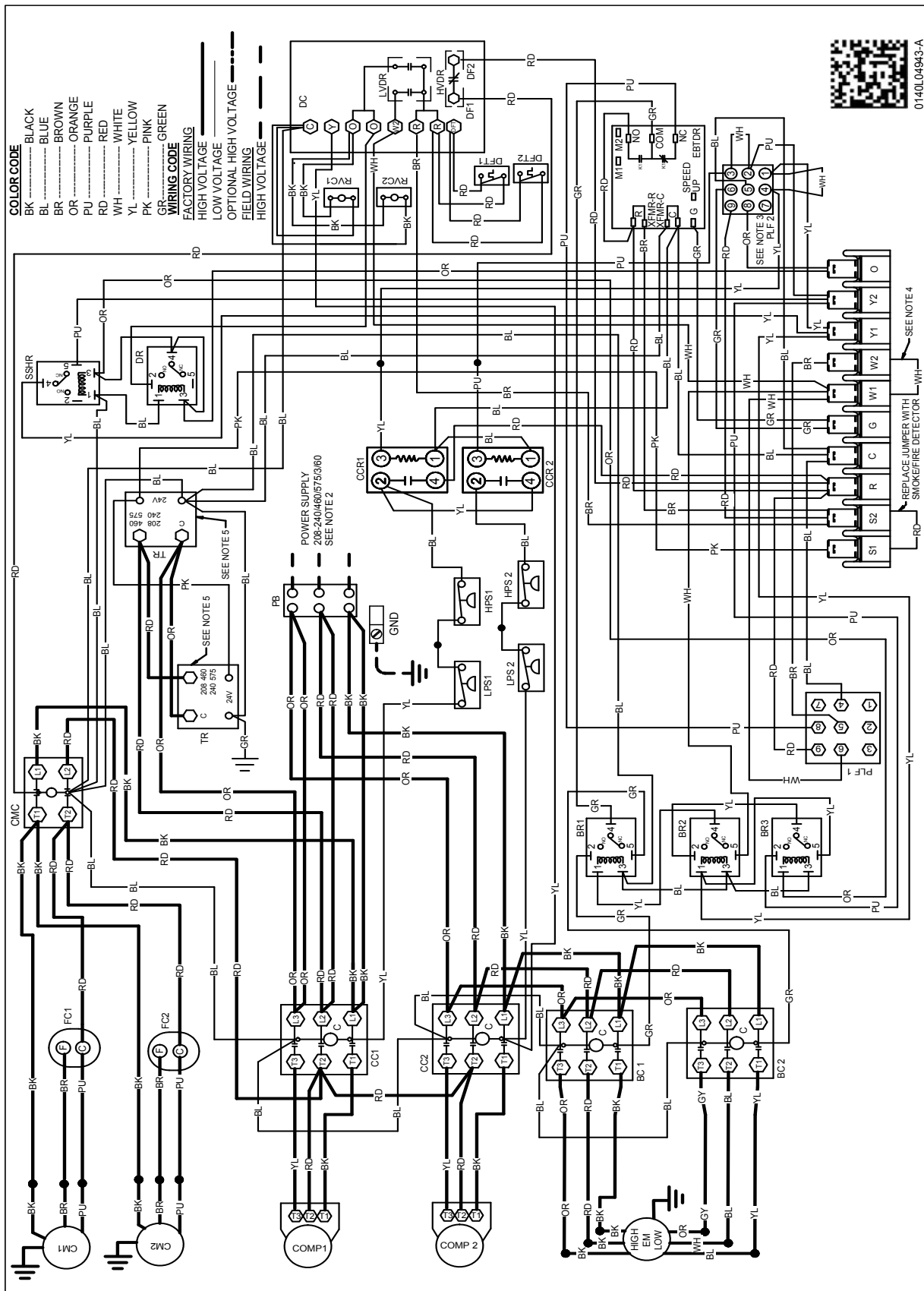
3-D VIEW



See the manual shipped with the roof curb for assembly and installation instructions.

TOP VIEW

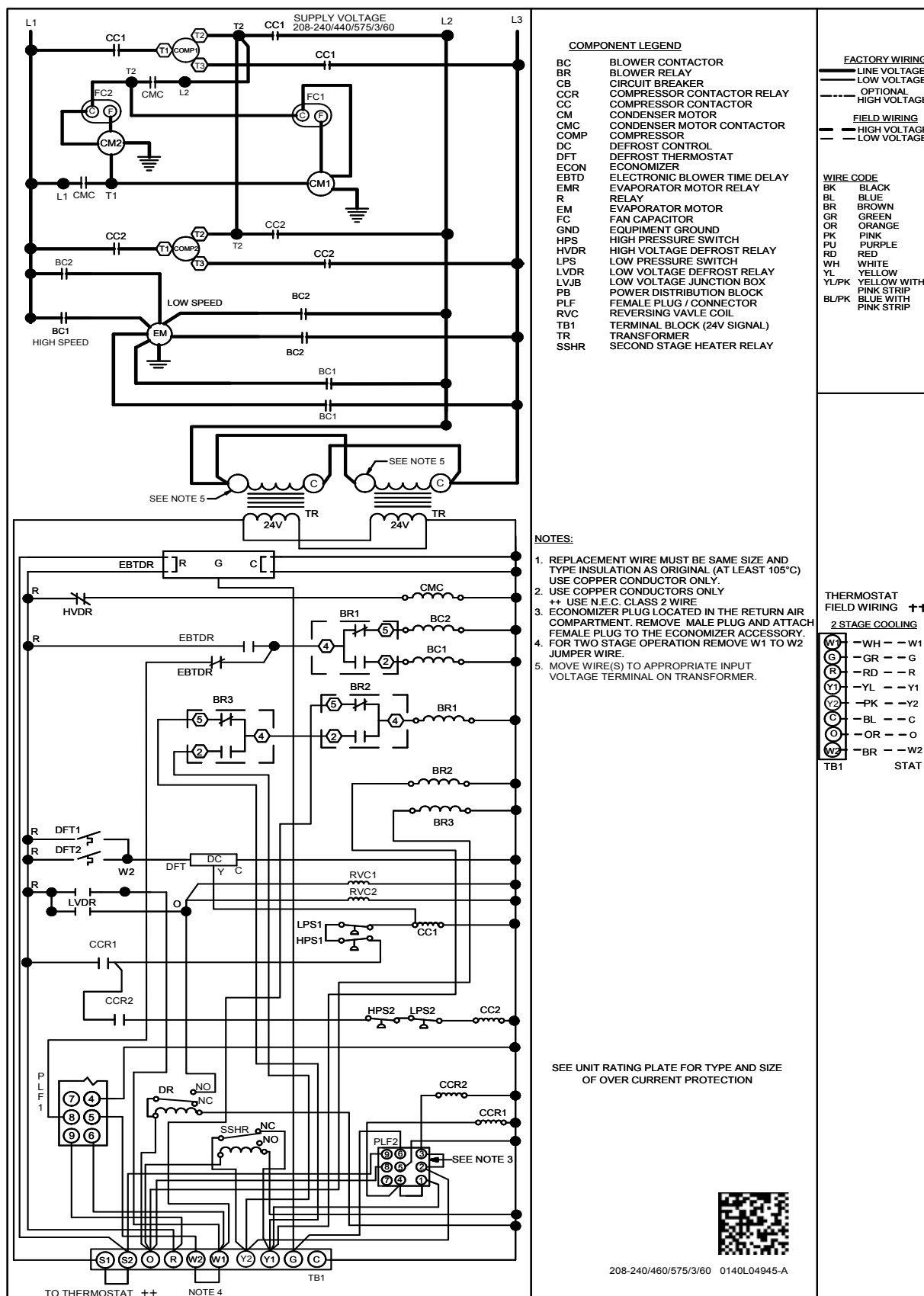


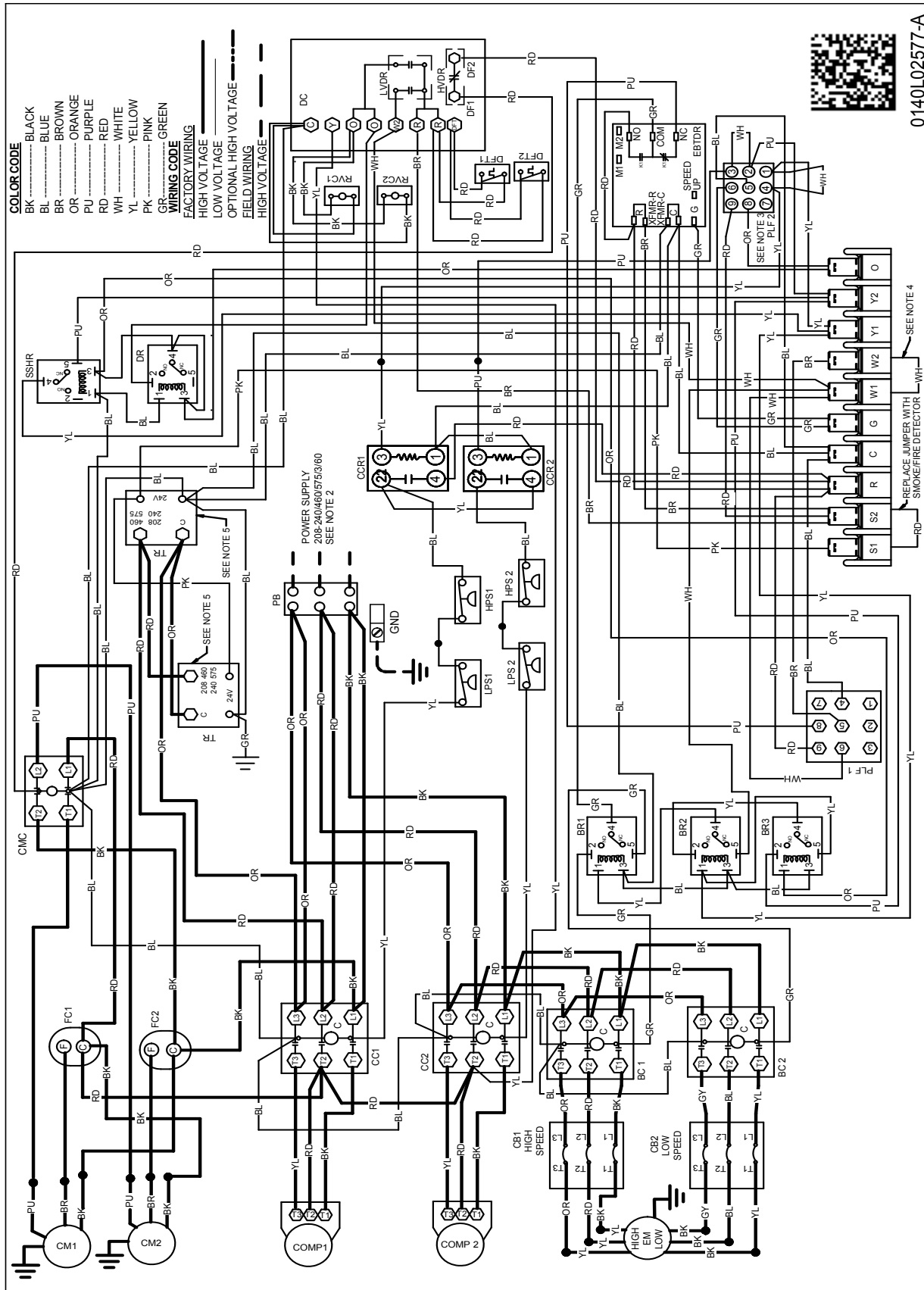


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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.

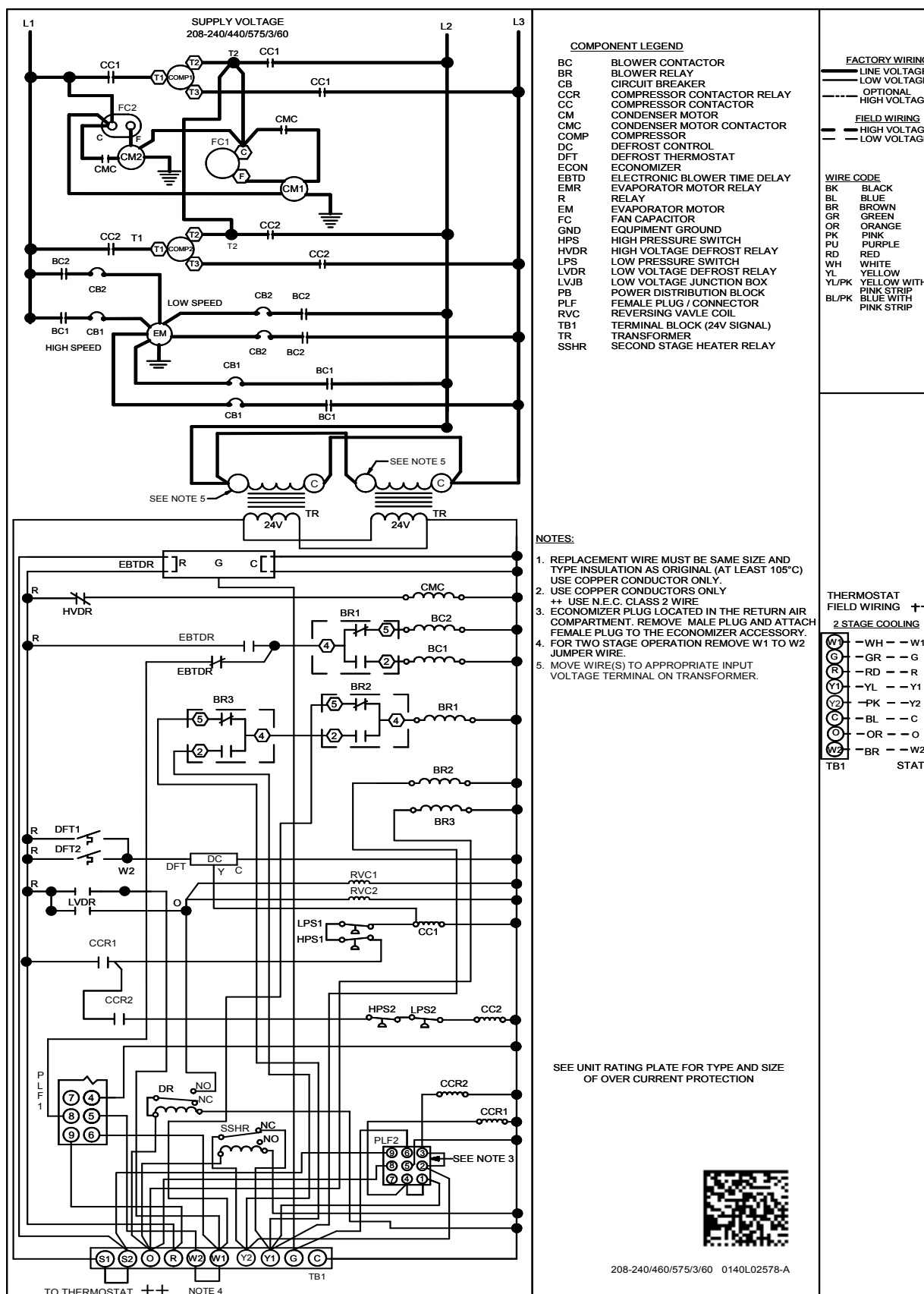




Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

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.



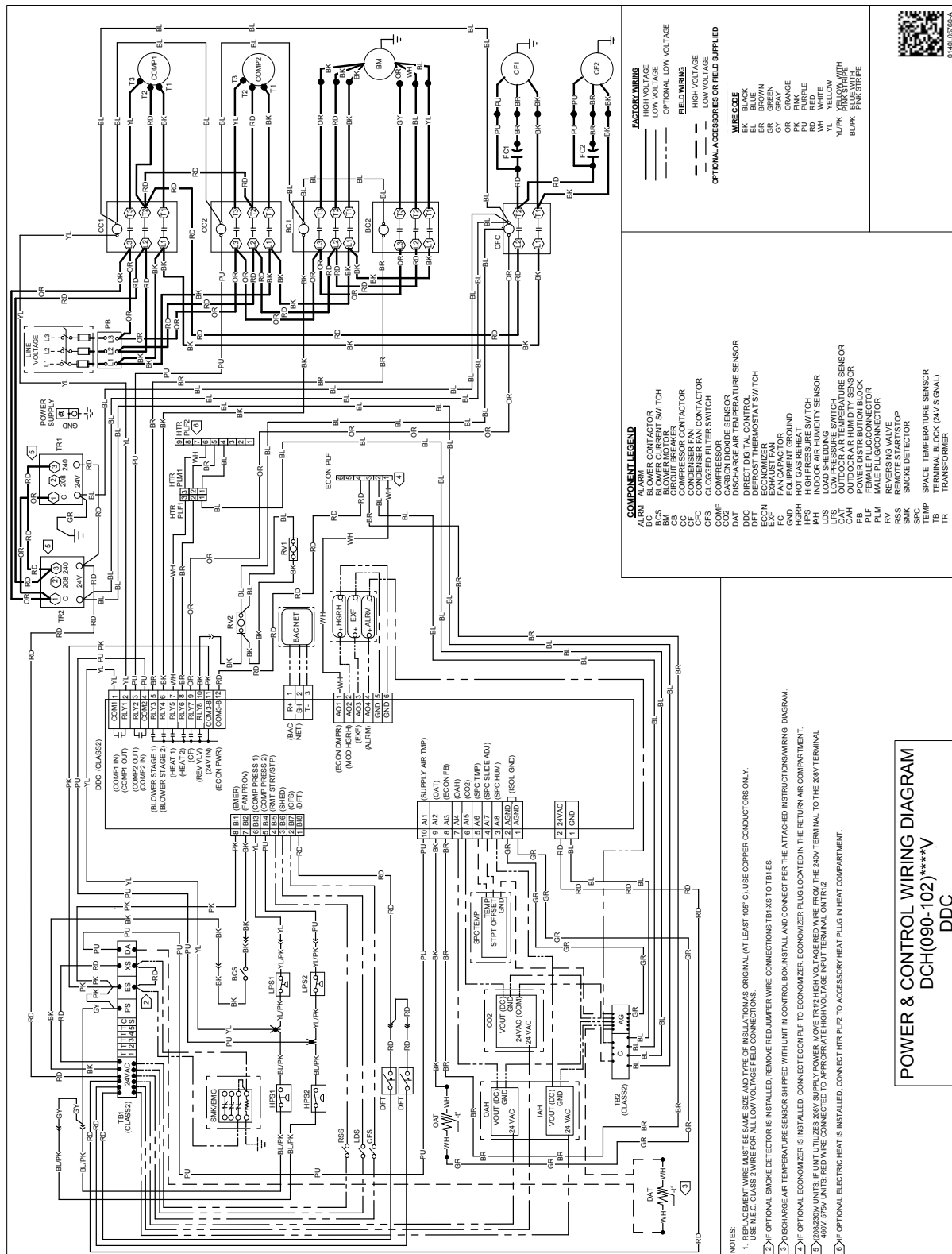
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

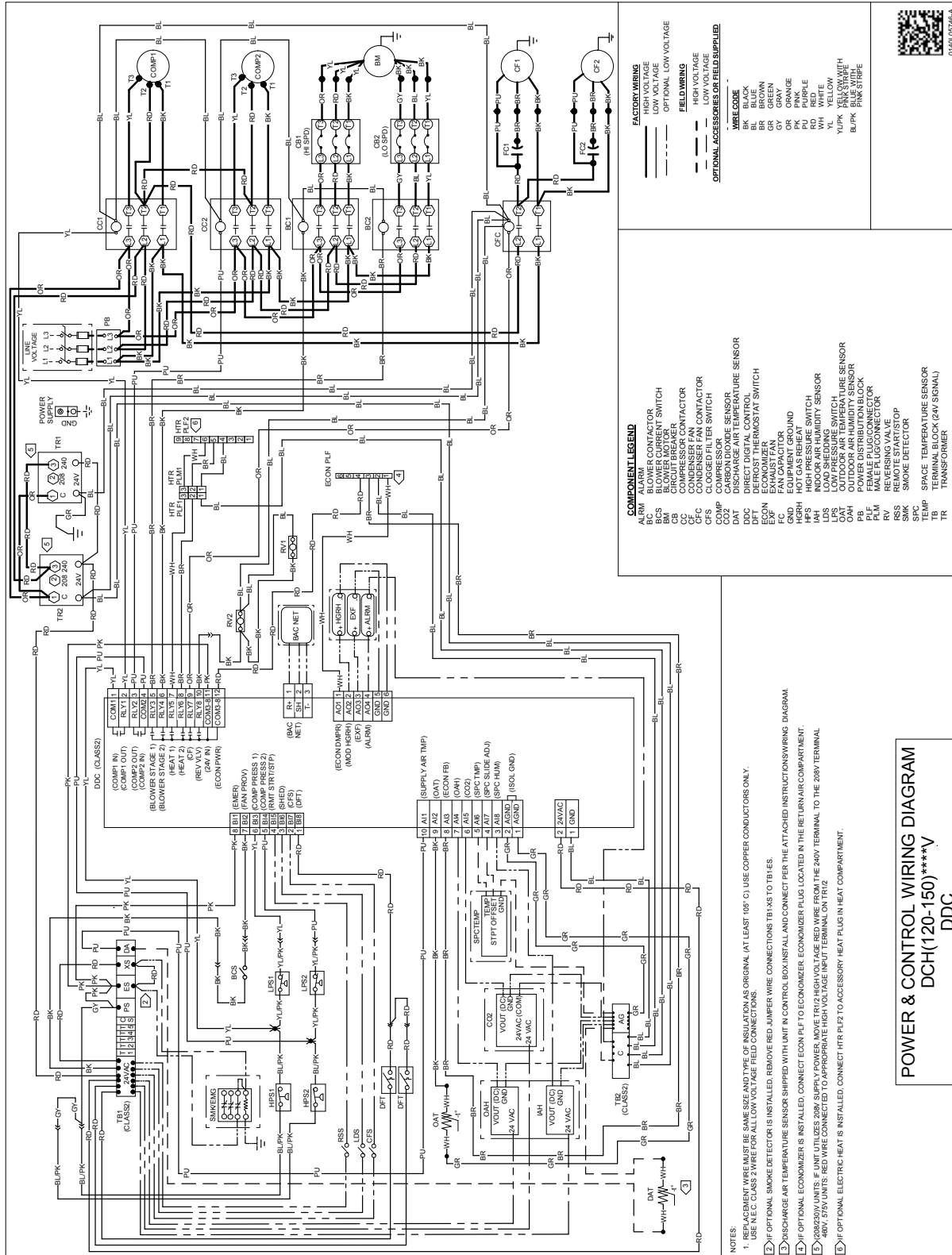
WARNING

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

WIRING DIAGRAMS FOR MODELS WITH DDC CONTROLS

FOR COMPLETE INFORMATION AND INSTALLATION INSTRUCTIONS FOR MODELS
WITH DDC CONTROLS, SEE MANUAL DK-DDC-TGD-XXX





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.

WARNING

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

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
Curb					
14CURB90150	14" Roof Curb	7½-12½ tons	✓		143
18CURB90150	18" Roof Curb	7½-12½ tons	✓		165
24CURB90150	24" Roof Curb	7½-12½ tons	✓		197
GHRC-90150	Hurricane Restraint Clips	7½-12½ tons	✓		2
Ultra Low-Leak Economizer & Power Exhaust1					
10-455-10A-23	Centrifugal Power Exhaust 230v	7½-12½ tons	✓		70
10-455-10A-33	Centrifugal Power Exhaust 460v	7½-12½ tons	✓		70
01-450-03	Barometric Relief to the Horizontal Economizer	7½-12½ tons	✓		40
1036610B	Ultra Low-Leak Downflow Economizer w/ Enthalpy	7½-12½ tons	✓	✓	137
10-396-10	Ultra Low-Leak Horizontal Economizer w/ Enthalpy	7½-12½ tons	✓		137
10-465-10-21	Prop Power Exhaust 230v	7½-12½ tons	✓		55
10-465-10-31	Prop Power Exhaust 460v	7½-12½ tons	✓		55
10-465-10-41	Prop Power Exhaust 575v	7½-12½ tons	✓		55
Low-Leak Economizer & Power Exhaust2					
DDNECNJ90150B	Low-Leak Downflow Economizer	7½-12½ tons	✓	✓	130
DPE901502	Downflow Power Exhaust (208/230v)	7½-12½ tons	✓		65
DPE901504	Downflow Power Exhaust (460v)	7½-12½ tons	✓		65
DPE901507	Downflow Power Exhaust (575v)	7½-12½ tons	✓		65
DINH90150B	Horizontal Economizer, Internally Mounted	7½-12½ tons	✓		110
DHZECNJ90150	Horizontal Economizer	7½-12½ tons	✓		90
DHPE901502	Horizontal Power Exhaust (208/230v)	7½-12½ tons	✓		65
DHPE901504	Horizontal Power Exhaust (460v)	7½-12½ tons	✓		65
DHPE901507	Horizontal Power Exhaust (575v)	7½-12½ tons	✓		65
Downflow Accessories					
D25FD90150	25% Manual Fresh Air Damper	7½-12½ tons	✓		15
D25MFD90150	25% Motorized Fresh Air Damper	7½-12½ tons	✓		21
DNBBS90150	Burglar Bar Sleeves: includes Supply & Return	7½-12½ tons	✓		45
DDNECNJ90150NR	Low-Leak Downflow Economizer w/o Barometric Relief	7½-12½ tons	✓		130
DDNSQRD9020	Downflow Square-to-Round Adapter 20" Round	7½ tons	✓		55
Horizontal Accessories					
DBRD3672	Horizontal Barometric Relief Damper (2 required)	7½-12½ tons	✓		30
Concentrics					
CDK90102	Concentric Duct Kit	7½-8½ tons	✓		42
CDK120	Concentric Duct Kit	10 tons	✓		104
CDK150	Concentric Duct Kit	12½ tons	✓		151
3 phase 208-230V Electric Heat Kits					
EHK3-16	16kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK3-30	30kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK3-45	45kw 208-230v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
3 phase 460V Electric Heat Kits					

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
EHK4-16	16kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK4-30	30kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK4-45	45kw 460v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
3 phase 575V Electric Heat Kits					
EHK7-16	16kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK7-30	30kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
EHK7-45	45kw 575v 3ph Electric Heat Kit	7½-12½ tons	✓	✓	21
DDC Accessories³					
	DDC communicating controller (built-in BACnet® MS/TP) includes Standard Room Sensor to be installed in field	7½-12½ tons		✓	2
10366D10B	DDC Ultra Low-Leak Downflow Economizer	7½-12½ tons	✓	✓	71
10396D10	DDC Ultra Low-Leak Horizontal Economizer	7½-12½ tons	✓		71
10465DDC	Power Exhaust kit used with DDC Ultra Low-Leak Economizer	7½-12½ tons	✓		1
DLAKT03	Low-Ambient	7½-12½ tons	✓	✓	2
LONKT01	LonWorks® card	7½-12½ tons	✓		1
3PMK01	Phase Monitor (3-Phase Only)	7½-12½ tons	✓	✓	2
DFSKT01	Dirty Filter Switch	7½-12½ tons	✓		1
High-Static Kits					
HSKTW090FI	High Static, Factory Installed (230/460/575v)	7½ tons		✓	10
HSKTW102FI	High Static, Factory Installed (230/460/575v)	8½ tons		✓	10
HSKTW120-3FIHP	High Static, Factory Installed (208/230v)	10 tons HP		✓	60
HSKTW120-4FIHP	High Static, Factory Installed (460v)	10 tons HP		✓	60
HSKTW120-7FIHP	High Static, Factory Installed (575v)	10 tons HP		✓	60
HSKTW150-3FI	High Static, Factory Installed (230v)	12½ tons		✓	40
HSKTW150-4FI	High Static, Factory Installed (460v)	12½ tons		✓	40
HSKTW150AC-7FI	High Static, Factory Installed (575v)	12½ tons AC/HP		✓	35
Crankcase Heater Kits					
0130L00017S	70W 230V	7½-12½ tons	✓		1
0130L00018S	70W 460V	7½-12½ tons	✓		1
0130L00019S	70W 575V	7½-12½ tons	✓		1
High Efficiency Filters					
0160L00205	High Efficiency MERV 13 Air Filter Nom. Size: 16x20x2; (Order Qty 4)	7.5 tons	✓		4
0160L00206	High Efficiency MERV 13 Air Filter Nom. Size: 16x24x2; (Order Qty 4)	8.5 & 10 tons	✓		4
0160L00202	High Efficiency MERV 13 Air Filter Nom. Size: 20x25x2; (Order Qty 4)	12.5 tons	✓		6
Misc Accessories					
HailGD02D	Condenser Coil Hail Guard	7½-10 tons	✓		34
HailGD05D	Condenser Coil Hail Guard	12½ tons	✓		37
	Convenience Outlet: Powered	7½-12½ tons		✓	42
	Convenience Outlet: Non Powered	7½-12½ tons		✓	2

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
	Disconnect Switch (non-fused)	7½-12½ tons		✓	5
LAKT17	Low-Ambient Kit, 208-230V - non-DDC	7½-8½ tons	✓	✓	23
LAKT18	Low-Ambient Kit, 460V - non-DDC	7½-8½ tons	✓	✓	23
LAKT19	Low-Ambient Kit, 575V - non-DDC	7½-8½ tons	✓	✓	23
LAKT20	Low-Ambient Kit, 208-230V - non-DDC	10-12½ tons	✓	✓	23
LAKT21	Low-Ambient Kit, 460V - non-DDC	10-12½ tons	✓	✓	23
LAKT22	Low-Ambient Kit, 575V - non-DDC	10-12½ tons	✓	✓	23
3PMNDK01	Phase Monitor - Non DDC	7½-12½ tons	✓	✓	2
	Smoke Detector (supply and/or return air)	7½-12½ tons		✓	11
	Hinged Panels	7½-12½ tons		✓	34

¹ Use Economizer & Power Exhaust listed within Ultra Low-Leak section

² Use Economizer & Power Exhaust listed within Low-Leak section

³ For a full list of DDC accessories, please refer to DDC Controller Technical Guide manual (DK-DDC-TGD-01B)

Note: Where multiple variations are available, the heaviest combination is listed.