



DTC COMMERCIAL

3 - 5 TONS PACKAGED AIR CONDITIONER UP TO 15.5 SEER / UP TO 13.0 EER

Cooling Capacity: 35,600 — 60,000 BTU/h



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■ Standard Features

- High-efficiency scroll compressor
- Copper tube/aluminum fin coils
- High- and low-pressure switches
- Contactor with lugs
- High-capacity, steel-cased filter drier
- Heater kits with single-point entry
- 24-volt terminal strip
- Convertible airflow orientation
- Easy to service
- Built-in filter rack with standard 2" filters
- Bottom utility entry
- AHRI Certified; ETL Listed
- 3-phase unit meets the performance specified as of 1/1/2015 in Table 6.8.1-1 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	T	C	060	090	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	
C	Standard Efficiency (6 - 25 Tons)											B	Powered convenience outlet	
S	Standard Efficiency (3 - 5 Tons)											C	Low-ambient kit	
T	High Efficiency (3 - 5 Tons)											D	Return air smoke detector	
APPLICATION												E	Supply air smoke detector	
C	Cooling ¹											F	Non-powered convenience outlet; Low-ambient kit	
G	Gas Heat											G	Non-powered convenience outlet; Return air smoke detector	
H	Heat Pump ¹											H	Non-powered convenience outlet; Supply air smoke detector	
NOMINAL COOLING CAPACITY												J	Non-powered convenience outlet; Return & Supply air smoke detectors	
036	3 Tons	102	8½ Tons	300 25 Tons									K	Non-powered convenience outlet; Low-ambient kit; Supply air smoke detector
048	4 Tons	120	10 Tons										L	Non-powered convenience outlet; Low-ambient kit
060	5 Tons	150	12½ tons											Return & Supply air smoke detectors
072	6 Tons	180	15 Tons										M	Powered convenience outlet; Low-ambient kit
090	7½ Tons	240	20 Tons										N	Powered convenience outlet; Return air smoke detector
NOMINAL HEATING CAPACITY												O	Powered convenience outlet; Return & Supply air smoke detectors	
Gas/Electric		A/C H/P Factory-Installed Electric Heat										P	Powered convenience outlet; Supply air smoke detector	
045	45,000 BTU/h	XXX	No Heat										Q	Powered convenience outlet; Low-ambient kit; Return air smoke detector
090	90,000 BTU/h	010	10 kW	030	30 kW								R	Powered convenience outlet; Low-ambient kit; Supply air smoke detector
115	115,000 BTU/h	015	15 kW	031	30 kW								T	Powered convenience outlet; Low-ambient kit; Return & Supply air smoke detectors
140	140,000 BTU/h	016	15 kW	045	45 kW								U	Non-powered convenience outlet; Low-ambient kit; Return air smoke detector
210	210,000 BTU/h	018	18 kW	046	45 kW								V	Low-ambient kit; Return air smoke detector
350	350,000 BTU/h	020	20 kW	060	60 kW								W	Low-ambient kit; Supply air smoke detector
400	400,000 BTU/h	025	25 kW										Y	Low-ambient kit; Return & Supply air smoke detectors
See product specifications for heat size(s) available for each capacity.												Z	Return & Supply air smoke detectors	
VOLTAGE												FACTORY-INSTALLED OPTIONS		
1	208-230/1/60 (DS* & DT* 3-5 Tons models only)			4	460/3/60								X	Standard Aluminized Heat Exchanger
3	208-230/3/60			7	575/3/60								S	Stainless-Steel Heat Exchanger
SUPPLY FAN/DRIVE TYPE/MOTOR												D	Hinged Panels	
B	Belt Drive (3-5 Tons single speed models only)			V	Two-Speed Belt Drive (6-25 Tons only)								K	Stainless-Steel Heat Exchanger; Hinged Panels
D	Direct Drive (3-5 Tons single speed models only)			W	High Static (6-25 Tons two-speed Belt Drive models only)								B	Phase Monitor
H	High Static (3-5 Tons single-speed Belt Drive models only)												J	Stainless Steel Heat Exchanger; Phase Monitor
FACTORY-INSTALLED OPTIONS												M	Hinged Panel; Phase Monitor	
A	Ultra Low-Leak Downflow Economizer			R	Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol;								L	Stainless-Steel Heat Exchanger; Hinged Panels; Phase Monitor
B	DDC-BACnet protocol													
F	Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol			V	Low-Leak Downflow Economizer									
H	Disconnect Switch (non-fused)			W	Low-Leak Downflow Economizer Disconnect Switch (non-fused)									
J	Ultra Low-Leak Downflow Economizer; 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.
- **Two-speed indoor fan blower models** are available on 6, 7½, 8½, 10, 12½, 15, 20 & 25 ton units. Section 6.4.3.10.b of ASHRAE Standard 90.1-2010 and Section 6.5.3.2.1.a of ASHRAE Standard 90.1-2013 require a minimum of two fan speeds. Section 140.4(m)1 of California Energy Commission Title 24 2013 contains a similar provision. When the units with the two-speed indoor fan blowers operate on a call for the first stage of cooling, the fan operates at low speed, which is 66% of full speed. When the units operate on a call for the second stage of cooling, the fan operates at full speed. In heating operation, the fan operates at full speed. During ventilation operation, the fan operates at low speed.
- **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.

	DTC036 ***1D***A*	DTC048 ***1D***A*	DTC060 ***1D***A*
COOLING CAPACITY			
Total BTU/h	35,600	45,500	59,000
Sensible BTU/h	28,000	35,000	40,000
SEER / EER	15.5/ 13.0	15.0/12.0	15.0/12.0
Decibels	78	78	78
ARI Reference #s	8101046	8101048	8101050
EVAPORATOR MOTOR / COIL			
Motor Type	Direct Drive	Direct Drive	Direct
Indoor Nominal CFM	1,200	1,600	2,000
Motor Speed Tap (Cooling)	T3	T3	T3
Horsepower	1/2	1	1
Piston Size (Cooling)	0.068	0.076	0.086
Filter Size (Qty)	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 16" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	105	105	153
Evaporator Coil Face Area (ft²)	7.8	7.8	8.9
Rows Deep/ Fins per Inch	4 / 16	4 / 16	4 / 16
EVAPORATOR FAN			
Standard Direct Drive (D x W) HP	(10" X 9") ½	(11" X 10") 1	(11" X 10") 1
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	1	1	1
Horsepower - RPM	¼ / 1,090	¼ - 1,090	½ / 1,090
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	4,200
Face Area (ft²)	13.0	13	19.0
Rows Deep/ Fins per Inch	2/27	2/27	2/27
COMPRESSOR			
Quantity / Type/ Stage	1 / Scroll/ 1	1 / Scroll/ 1	1 / Scroll/ 1
Compressor RLA / LRA	14.1/77.0	19.9 / 109	25.0/134
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-1-60	208/230-1-60	208/230-1-60
Indoor Blower HP / FLA	½ / 3.9	1.0 / 6.9	1.0 / 6.9
Max External Static	0.5"	0.6"	0.9
Outdoor Fan HP / FLA	¼ / 1.4	¼ / 1.4	½ / 2.0
Total Unit Amps	19.4	28.2	33.9
Min. Circuit Ampacity ¹	22.9 / 22.9	33.1 / 33.1	40.2 / 40.2
Max. Overcurrent Protection (amps) ²	35 / 35	50 / 50	60 / 60
Power Supply Conduit Hole	1.125"	1.125"	1.125"
Low Voltage Conduit Hole	½"	½"	½"
OPERATING WEIGHT (LBS)	501	534	544
SHIP WEIGHT (LBS)	529	563	575

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.

	DTC036 ***3D***A*	DTC048 ***3D***A*	DTC060 ***3D***A*
COOLING CAPACITY			
Total BTU/h	36,000	47,000	60,000
Sensible BTU/h	25,700	33,600	42,900
SEER / EER	15.0/ 13.0	15.0/ 12.5	15.0/ 12.5
Decibels	78	78	78
ARI Reference #s	8965274	8965275	8965276
EVAPORATOR MOTOR / COIL			
Motor Type	Direct Drive	Direct Drive	Direct
Indoor Nominal CFM	1,200	1,600	2,000
Motor Speed Tap (Cooling)	T3	T3	T3
Horsepower	1/2	1	1
Piston Size (Cooling)	0.068	0.076	0.086
Filter Size (Qty)	(4) 14" x 20" x 2"	(4) 14" x 20" x 2"	(4) 16" x 20" x 2"
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge (oz.)	105	105	153
Evaporator Coil Face Area (ft²)	7.8	7.8	8.9
Rows Deep/ Fins per Inch	4 / 16	4 / 16	4 / 16
EVAPORATOR FAN			
Standard Direct Drive (D x W) HP	(10" X 9")	(11" X 10")	(11" X 10")
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	1	1	1
Horsepower	¼ / 1,090	¼ / 1,090	½ / 1,090
Fan Diameter/ # Fan Blades	22 / 4	22 / 4	22 / 4
Outdoor Nominal CFM	3,800	3,800	4,200
Face Area (ft²)	13.0	13.0	19.0
Rows Deep/ Fins per Inch	2/27	2/27	2/27
COMPRESSOR			
Quantity / Type/ Stage	1 / Scroll/ 1	1 / Scroll/ 1	1 / Scroll/ 1
Compressor RLA / LRA	9.0/71	13.1/83.1	15.9/110
ELECTRICAL DATA			
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	208/230-3-60
Indoor Blower HP / FLA	1/2 / 3.9	1 / 6.9	1 / 6.9
Max External Static	0.5"	0.6"	0.9"
Outdoor Fan HP / FLA	¼ / 1.4	¼ / 1.4	⅓ / 2.0
Total Unit Amps	14.3	21.4	24.8
Min. Circuit Ampacity ¹	16.5 / 16.5	24.7 / 24.7	28.8 / 28.8
Max. Overcurrent Protection (amps) ²	25 / 25	35 / 35	40 / 40
Power Supply Conduit Hole	1.125"	1.125"	1.125"
Low Voltage Conduit Hole	½"	½"	½"
OPERATING WEIGHT (LBS)	501	534	544
SHIP WEIGHT (LBS)	529	563	575

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.

		OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		ENTERING INDOOR WET BULB TEMPERATURE																								
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	
70	1350	MBh	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.4	36.6	-	30.7	31.8	34.8	-	28.4	29.4	32.2	-
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-
		ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		kW	2.27	2.31	2.37	-	2.42	2.47	2.54	-	2.55	2.60	2.68	-	2.67	2.73	2.81	-	2.78	2.83	2.92	-	2.86	2.92	3.01	-
		HI PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-
	LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-	
70	1200	MBh	33.7	34.9	38.2	-	32.9	34.1	37.4	-	32.1	33.3	36.5	-	31.3	32.5	35.6	-	29.8	30.8	33.8	-	27.6	28.6	31.3	-
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	2.25	2.29	2.36	-	2.40	2.45	2.52	-	2.54	2.59	2.66	-	2.65	2.71	2.79	-	2.75	2.81	2.89	-	2.84	2.90	2.99	-
		HI PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-
	LO PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-	
1050		MBh	31.1	32.2	35.3	-	30.4	31.5	34.5	-	29.6	30.7	33.7	-	28.9	30.0	32.8	-	27.5	28.5	31.2	-	25.4	26.4	28.9	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	2.20	2.24	2.30	-	2.35	2.39	2.46	-	2.48	2.53	2.60	-	2.60	2.65	2.72	-	2.69	2.75	2.83	-	2.78	2.83	2.92	-
		HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-
	LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-	
75	1350	MBh	35.3	36.3	39.3	42.2	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.8	33.8	36.6	39.3	31.2	32.1	34.7	37.3	28.9	29.7	32.2	34.5
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		kW	2.28	2.32	2.39	2.46	2.44	2.48	2.55	2.63	2.57	2.62	2.70	2.78	2.69	2.75	2.83	2.92	2.80	2.85	2.94	3.03	2.89	2.94	3.03	3.13
		HI PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486
	LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173	
75	1200	MBh	34.2	35.3	38.2	41.0	33.5	34.4	37.3	40.0	32.7	33.6	36.4	39.1	31.9	32.8	35.5	38.1	30.3	31.2	33.7	36.2	28.0	28.9	31.2	33.5
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
		kW	2.27	2.31	2.37	2.44	2.42	2.47	2.54	2.61	2.55	2.60	2.68	2.76	2.67	2.73	2.81	2.89	2.78	2.83	2.92	3.01	2.86	2.92	3.01	3.10
		HI PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	461	481
	LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	149	158	134	143	156	166	139	147	161	171	
1050		MBh	31.6	32.5	35.2	37.8	30.9	31.8	34.4	36.9	30.1	31.0	33.6	36.1	29.4	30.3	32.8	35.2	27.9	28.8	31.1	33.4	25.9	26.6	28.8	31.0
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		ΔT	22	20	16	11	22	20	17	11	22	20	17	12	22	20	17	12	22	20	17	11	20	19	15	11
		kW	2.22	2.26	2.32	2.39	2.37	2.41	2.48	2.55	2.50	2.55	2.62	2.70	2.61	2.67	2.74	2.83	2.71	2.77	2.85	2.94	2.80	2.85	2.94	3.03
		HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467
	LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AH

		OUTDOOR AMBIENT TEMPERATURE																				115				
		65				75				85				95				105								
		ENTERING INDOOR WET BULB TEMPERATURE																								
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	
80	1350	MBh	35.9	36.7	39.2	41.9	35.1	35.8	38.3	40.9	34.2	35.0	37.4	40.0	33.4	34.1	36.5	39.0	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3
		S/T	0.94	0.88	0.72	0.5	1.00	0.91	0.74	0.6	1.00	0.94	0.76	0.6	1.00	0.97	0.79	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.82	0.6
		ΔT	23	22	19	15	24	22	19	15	23	22	19	15	23	22	20	16	22	22	19	15	20	20	18	14.4
		kW	2.30	2.34	2.41	2.5	2.45	2.50	2.57	2.6	2.59	2.64	2.72	2.8	2.71	2.77	2.85	2.9	2.82	2.88	2.96	3.1	2.91	2.97	3.06	3.2
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
80	1200	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
		MBh	34.9	35.6	38.1	40.7	34.0	34.8	37.2	39.7	33.2	34.0	36.3	38.8	32.4	33.1	35.4	37.8	30.8	31.5	33.6	36.0	28.5	29.2	31.2	33.3
		S/T	0.90	0.84	0.68	0.5	0.93	0.87	0.71	0.5	0.95	0.89	0.73	0.5	0.98	0.92	0.75	0.6	1.00	0.96	0.78	0.6	1.00	0.96	0.78	0.6
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15.0
		kW	2.28	2.32	2.39	2.5	2.44	2.48	2.55	2.6	2.57	2.62	2.70	2.8	2.69	2.75	2.83	2.9	2.80	2.85	2.94	3.0	2.89	2.94	3.03	3.1
80	1050	HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	375	391	371	400	422	440	410	441	466	486
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173
		MBh	32.2	32.9	35.1	37.5	31.4	32.1	34.3	36.7	30.7	31.3	33.5	35.8	29.9	30.6	32.7	34.9	28.4	29.1	31.0	33.2	26.3	26.9	28.8	30.7
		S/T	0.86	0.81	0.66	0.5	0.90	0.84	0.68	0.5	0.92	0.86	0.70	0.5	0.95	0.89	0.72	0.5	0.98	0.92	0.75	0.6	0.99	0.93	0.76	0.6
		ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	23	22	19	15.2
85	1350	kW	2.23	2.27	2.34	2.4	2.38	2.43	2.50	2.6	2.52	2.57	2.64	2.7	2.63	2.69	2.77	2.8	2.73	2.79	2.87	3.0	2.82	2.88	2.96	3.1
		HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168
		MBh	36.5	37.2	39.0	41.6	35.7	36.4	38.1	40.6	34.8	35.5	37.2	39.7	34.0	34.6	36.3	38.7	32.3	32.9	34.5	36.8	29.9	30.5	31.9	34.1
		S/T	0.98	0.95	0.86	0.7	1.00	0.98	0.89	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.98	0.8	1.00	1.00	0.98	0.8
85	1200	ΔT	24	24	23	20	24	24	23	20	24	24	23	20	23	24	23	20	22	22	23	20	20	21	21	18.5
		kW	2.31	2.36	2.42	2.5	2.47	2.52	2.59	2.7	2.61	2.66	2.74	2.8	2.74	2.79	2.87	3.0	2.84	2.90	2.99	3.1	2.93	2.99	3.08	3.2
		HI PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
		MBh	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.5	33.8	34.5	36.1	38.5	33.0	33.6	35.2	37.6	31.3	31.9	33.5	35.7	29.0	29.6	31.0	33.1
85	1050	S/T	0.94	0.91	0.82	0.7	0.97	0.94	0.85	0.7	1.00	0.96	0.87	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.94	0.8
		ΔT	26	25	24	21	26	25	24	21	26	25	24	21	25	26	24	21	24	24	24	21	22	23	22	19.3
		kW	2.30	2.34	2.41	2.5	2.45	2.50	2.57	2.6	2.59	2.64	2.72	2.8	2.71	2.77	2.85	2.9	2.82	2.88	2.96	3.1	2.91	2.97	3.06	3.2
		HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
85	1050	MBh	32.7	33.4	34.9	37.3	32.0	32.6	34.1	36.4	31.2	31.8	33.3	35.6	30.5	31.0	32.5	34.7	28.9	29.5	30.9	33.0	26.8	27.3	28.6	30.5
		S/T	0.91	0.87	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	0.99	0.96	0.86	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.91	0.7
		ΔT	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	26	24	21	23	24	23	19.6
		kW	2.25	2.29	2.35	2.4	2.40	2.45	2.52	2.6	2.54	2.58	2.66	2.7	2.65	2.71	2.79	2.9	2.75	2.81	2.89	3.0	2.84	2.90	2.99	3.1
		HI PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476
85	1050	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170
		MBh	32.7	33.4	34.9	37.3	32.0	32.6	34.1	36.4	31.2	31.8	33.3	35.6	30.5	31.0	32.5	34.7	28.9	29.5	30.9	33.0	26.8	27.3	28.6	30.5
		S/T	0.91	0.87	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	0.99	0.96	0.86	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.91	0.7
		ΔT	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	25	26	24	21	23	24	23	19.6
		kW	2.25	2.29	2.35	2.4	2.40	2.45	2.52	2.6	2.54	2.58	2.66	2.7	2.65	2.71	2.79	2.9	2.75	2.81	2.89	3.0	2.84	2.90	2.99	3.1

		OUTDOOR AMBIENT TEMPERATURE																				105		115			
		65				75				85				95													
		ENTERING INDOOR WET BULB TEMPERATURE																									
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		
70	1800	MBh	45.6	47.2	51.7	-	44.5	46.1	50.5	-	43.4	45.0	49.3	-	42.4	43.9	48.1	-	40.3	41.7	45.7	-	37.3	38.7	42.4	-	
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	
		kW	3.06	3.12	3.21	-	3.28	3.35	3.45	-	3.48	3.55	3.66	-	3.65	3.73	3.84	-	3.80	3.88	4.00	-	3.92	4.01	4.14	-	
		HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-	
	LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-		
70	1600	MBh	44.2	45.9	50.2	-	43.2	44.8	49.1	-	42.2	43.7	47.9	-	41.2	42.7	46.7	-	39.1	40.5	44.4	-	36.2	37.5	41.1	-	
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	
		ΔT	18	16	12	-	18	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
		kW	3.03	3.09	3.19	-	3.25	3.32	3.42	-	3.45	3.52	3.63	-	3.62	3.70	3.81	-	3.77	3.85	3.97	-	3.89	3.98	4.10	-	
		HI PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-	
	LO PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-		
1400		MBh	40.8	42.3	46.4	-	39.9	41.3	45.3	-	38.9	40.4	44.2	-	38.0	39.4	43.1	-	36.1	37.4	41.0	-	33.4	34.6	38.0	-	
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
		kW	2.96	3.02	3.11	-	3.18	3.24	3.34	-	3.37	3.44	3.54	-	3.53	3.61	3.72	-	3.68	3.75	3.87	-	3.80	3.88	4.00	-	
		HI PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	406	436	461	-	
	LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-		
75	1800	MBh	46.3	47.7	51.6	55.4	45.3	46.6	50.4	54.1	44.2	45.5	49.2	52.8	43.1	44.4	48.0	51.6	41.0	42.2	45.6	49.0	37.9	39.1	42.3	45.4	
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	
		ΔT	20	19	15	11	21	19	15	11	21	19	15	11	21	19	16	11	20	19	15	11	19	18	14	10	
		kW	3.08	3.14	3.24	3.33	3.30	3.37	3.48	3.58	3.50	3.58	3.69	3.80	3.68	3.76	3.87	4.00	3.83	3.91	4.03	4.16	3.96	4.04	4.17	4.31	
		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	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173		
75	1600	MBh	45.0	46.3	50.1	53.8	43.9	45.2	49.0	52.6	42.9	44.2	47.8	51.3	41.9	43.1	46.6	50.1	39.8	40.9	44.3	47.6	36.8	37.9	41.0	44.0	
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41	
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	
		kW	3.06	3.12	3.21	3.31	3.28	3.35	3.45	3.56	3.48	3.55	3.66	3.77	3.65	3.73	3.84	3.97	3.80	3.88	4.00	4.13	3.92	4.01	4.14	4.27	
		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	111	118	129	137	117	125	136	145	122	129	141	151	128	136	149	158	134	143	156	166	139	147	161	171		
1400		MBh	41.5	42.8	46.3	49.7	40.6	41.8	45.2	48.5	39.6	40.8	44.1	47.4	38.6	39.8	43.0	46.2	36.7	37.8	40.9	43.9	34.0	35.0	37.9	40.7	
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	
		kW	2.99	3.05	3.14	3.23	3.20	3.27	3.37	3.47	3.39	3.46	3.57	3.68	3.56	3.64	3.75	3.87	3.71	3.78	3.90	4.03	3.83	3.91	4.04	4.17	
		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	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166		

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	1800	MBh	47.2	48.2	51.5	55.0	46.1	47.1	50.3	53.8	45.0	46.0	49.1	52.5	43.9	44.8	47.9	51.2	41.7	42.6	45.5	48.6	38.6	39.5	42.1	45.1	38.6	39.5	42.1	45.1
		S/T	0.94	0.88	0.72	0.5	1.00	0.91	0.74	0.6	1.00	0.94	0.76	0.6	1.00	0.97	0.79	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.82	0.6
		ΔT	23	22	19	15	24	22	19	15	23	22	19	15	22	22	19	15	21	22	19	15	20	20	18	14.2	20	20	18	14.2
		kW	3.10	3.17	3.26	3.4	3.33	3.40	3.50	3.6	3.53	3.60	3.72	3.8	3.71	3.79	3.91	4.0	3.86	3.94	4.07	4.2	3.99	4.07	4.21	4.3	3.99	4.07	4.21	4.3
		Hi PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	431	464	490	511
		Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175	141	150	164	175
80	1600	MBh	45.8	46.8	50.0	53.4	44.7	45.7	48.8	52.2	43.7	44.6	47.7	51.0	42.6	43.5	46.5	49.7	40.5	41.3	44.2	47.2	37.5	38.3	40.9	43.7	37.5	38.3	40.9	43.7
		S/T	0.90	0.84	0.68	0.5	0.93	0.87	0.71	0.5	0.95	0.89	0.73	0.5	0.98	0.92	0.75	0.6	1.00	0.96	0.78	0.6	1.00	0.96	0.78	0.6	1.00	0.96	0.78	0.6
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	21	18	14.7	22	21	18	14.7
		kW	3.08	3.14	3.24	3.3	3.30	3.37	3.48	3.6	3.50	3.58	3.69	3.8	3.68	3.76	3.88	4.0	3.83	3.91	4.03	4.2	3.96	4.04	4.17	4.3	3.96	4.04	4.17	4.3
		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	427	459	485	506
		Lo PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173	140	149	163	173
80	1400	MBh	42.3	43.2	46.1	49.3	41.3	42.2	45.1	48.2	40.3	41.2	44.0	47.0	39.3	40.2	42.9	45.9	37.3	38.2	40.8	43.6	34.6	35.4	37.8	40.4	34.6	35.4	37.8	40.4
		S/T	0.86	0.81	0.66	0.5	0.90	0.84	0.68	0.5	0.92	0.86	0.70	0.5	0.95	0.89	0.72	0.5	0.98	0.92	0.75	0.6	0.99	0.93	0.76	0.6	0.99	0.93	0.76	0.6
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	19	15.0	23	22	19	15.0
		kW	3.01	3.07	3.16	3.3	3.23	3.29	3.39	3.5	3.42	3.49	3.60	3.7	3.59	3.67	3.78	3.9	3.74	3.81	3.94	4.1	3.86	3.94	4.07	4.2	3.86	3.94	4.07	4.2
		Hi PR	229	246	260	271	257	277	292	305	292	315	332	346	333	358	378	395	375	403	426	444	414	445	470	490	414	445	470	490
		Lo PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168	136	144	158	168
85	1800	MBh	48.0	48.9	51.2	54.7	46.9	47.8	50.0	53.4	45.8	46.6	48.8	52.1	44.6	45.5	47.7	50.8	42.4	43.2	45.3	48.3	39.3	40.0	41.9	44.7	39.3	40.0	41.9	44.7
		S/T	0.98	0.95	0.86	0.7	1.00	0.98	0.89	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.98	0.8	1.00	1.00	0.98	0.8	1.00	1.00	0.98	0.8
		ΔT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	18.2	20	20	21	18.2
		kW	3.13	3.19	3.29	3.4	3.36	3.42	3.53	3.6	3.56	3.63	3.75	3.9	3.74	3.82	3.94	4.1	3.89	3.97	4.10	4.2	4.02	4.11	4.24	4.4	4.02	4.11	4.24	4.4
		Hi PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516	435	468	495	516
		Lo PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177	143	152	166	177
85	1600	MBh	46.6	47.5	49.7	53.1	45.5	46.4	48.6	51.8	44.4	45.3	47.4	50.6	43.3	44.2	46.3	49.4	41.2	42.0	44.0	46.9	38.1	38.9	40.7	43.4	38.1	38.9	40.7	43.4
		S/T	0.94	0.91	0.82	0.7	0.97	0.94	0.85	0.7	1.00	0.96	0.87	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.94	0.8
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	24	24	24	20	22	22	22	19.0	22	22	22	19.0
		kW	3.10	3.17	3.26	3.4	3.33	3.40	3.50	3.6	3.53	3.60	3.72	3.8	3.71	3.79	3.91	4.0	3.86	3.94	4.07	4.2	3.99	4.07	4.21	4.3	3.99	4.07	4.21	4.3
		Hi PR	238	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	431	464	490	511
		Lo PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175	141	150	164	175
85	1400	MBh	43.0	43.8	45.9	49.0	42.0	42.8	44.8	47.8	41.0	41.8	43.8	46.7	40.0	40.8	42.7	45.6	38.0	38.7	40.6	43.3	35.2	35.9	37.6	40.1	35.2	35.9	37.6	40.1
		S/T	0.91	0.87	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	0.99	0.96	0.86	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.91	0.7
		ΔT	26	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	24	22	19.3	23	24	22	19.3
		kW	3.03	3.09	3.19	3.3	3.25	3.32	3.42	3.5	3.45	3.52	3.63	3.7	3.62	3.70	3.81	3.9	3.77	3.85	3.97	4.1	3.89	3.97	4.10	4.2	3.89	3.97	4.10	4.2
		Hi PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	399	378	407	430	448	418	450	475	495	418	450	475	495
		Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170	137	146	159	170

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions

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

kW = Total system power

		OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		ENTERING INDOOR WET BULB TEMPERATURE																								
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	
70	2300	MBh	58.3	60.4	66.2	-	56.9	59.0	64.7	-	55.6	57.6	63.1	-	54.2	56.2	61.6	-	51.5	53.4	58.5	-	47.7	49.5	54.2	-
		S/T	0.65	0.55	0.38	-	0.68	0.57	0.39	-	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.75	0.63	0.43	-
		ΔT	15	13	10	-	15	13	10	-	15	13	10	-	16	13	10	-	15	13	10	-	14	12	9	-
		kW	3.94	4.01	4.13	-	4.21	4.30	4.43	-	4.46	4.55	4.69	-	4.68	4.77	4.92	-	4.86	4.96	5.12	-	5.02	5.13	5.29	-
		HI PR	246	264	279	-	276	297	313	-	314	337	356	-	357	384	406	-	402	432	457	-	444	478	504	-
	LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-	
70	2000	MBh	56.6	58.7	64.3	-	55.3	57.3	62.8	-	54.0	55.9	61.3	-	52.7	54.6	59.8	-	50.0	51.8	56.8	-	46.3	48.0	52.6	-
		S/T	0.62	0.52	0.36	-	0.65	0.54	0.37	-	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.71	0.60	0.41	-
		ΔT	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
		kW	3.91	3.98	4.10	-	4.18	4.27	4.39	-	4.43	4.52	4.65	-	4.64	4.74	4.88	-	4.82	4.92	5.08	-	4.98	5.09	5.25	-
		HI PR	243	262	276	-	273	294	310	-	310	334	353	-	354	381	402	-	398	428	452	-	440	473	499	-
	LO PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-	
70	1700	MBh	52.2	54.2	59.3	-	51.0	52.9	58.0	-	49.8	51.6	56.6	-	48.6	50.4	55.2	-	46.2	47.9	52.4	-	42.8	44.3	48.6	-
		S/T	0.60	0.50	0.35	-	0.62	0.52	0.36	-	0.64	0.53	0.37	-	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.69	0.58	0.40	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		kW	3.82	3.90	4.01	-	4.09	4.17	4.29	-	4.33	4.41	4.54	-	4.53	4.63	4.77	-	4.71	4.81	4.96	-	4.86	4.97	5.12	-
		HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	438	-	426	459	484	-
	LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-	

75	2300	MBh	59.3	61.0	66.1	70.9	57.9	59.6	64.5	69.3	56.5	58.2	63.0	67.6	55.2	56.8	61.5	66.0	52.4	53.9	58.4	62.7	48.5	50.0	54.1	58.1
		S/T	0.74	0.66	0.50	0.32	0.77	0.69	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.73	0.55	0.35	0.84	0.76	0.57	0.37	0.85	0.76	0.58	0.37
		ΔT	18	16	13	9	18	16	13	9	18	16	13	9	18	17	14	9	18	16	13	9	17	15	12	9
		kW	3.96	4.04	4.16	4.28	4.25	4.33	4.46	4.60	4.49	4.59	4.73	4.87	4.71	4.81	4.96	5.12	4.90	5.00	5.16	5.32	5.06	5.17	5.33	5.50
		HI PR	248	267	282	294	279	300	316	330	317	341	360	375	361	388	410	428	406	437	461	481	448	483	510	531
75	2000	LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173
		MBh	57.6	59.3	64.2	68.9	56.2	57.9	62.7	67.3	54.9	56.5	61.2	65.7	53.6	55.1	59.7	64.1	50.9	52.4	56.7	60.8	47.1	48.5	52.5	56.4
		S/T	0.71	0.63	0.48	0.31	0.73	0.66	0.50	0.32	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.81	0.73	0.55	0.35
		ΔT	19	17	14	10	19	17	14	10	19	17	14	10	19	18	14	10	19	17	14	10	18	16	13	9
		kW	3.94	4.01	4.13	4.25	4.21	4.30	4.43	4.56	4.46	4.55	4.69	4.83	4.68	4.77	4.92	5.08	4.86	4.96	5.12	5.28	5.02	5.13	5.29	5.46
75	1700	HI PR	246	264	279	291	276	297	313	327	314	337	356	372	357	384	406	423	402	432	457	476	444	478	505	526
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	149	158	134	143	156	166	139	147	161	171
		MBh	53.1	54.7	59.2	63.6	51.9	53.4	57.8	62.1	50.7	52.2	56.5	60.6	49.4	50.9	55.1	59.1	47.0	48.3	52.3	56.2	43.5	44.8	48.5	52.0
		S/T	0.68	0.61	0.46	0.30	0.71	0.63	0.48	0.31	0.73	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.78	0.70	0.53	0.34
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
75	1700	kW	3.85	3.92	4.04	4.16	4.12	4.20	4.33	4.46	4.36	4.45	4.58	4.72	4.57	4.66	4.81	4.95	4.75	4.85	5.00	5.15	4.90	5.01	5.16	5.32
		HI PR	238	257	271	283	267	288	304	317	304	327	346	361	346	373	394	411	390	419	443	462	431	463	489	510
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
		MBh	53.1	54.7	59.2	63.6	51.9	53.4	57.8	62.1	50.7	52.2	56.5	60.6	49.4	50.9	55.1	59.1	47.0	48.3	52.3	56.2	43.5	44.8	48.5	52.0
		S/T	0.68	0.61	0.46	0.30	0.71	0.63	0.48	0.31	0.73	0.65	0.49	0.32	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.78	0.70	0.53	0.34

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AHR1 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TV) conditions

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

kW = Total system power

		Outdoor Ambient Temperature																																
		65					75					85					95					105					115							
IDB	Airflow	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75			
		Entering Indoor Wet Bulb Temperature																																
80	2300	MBh	60.3	61.7	65.9	70.4	58.9	60.2	64.3	68.8	57.5	58.8	62.8	67.2	56.1	57.4	61.3	65.5	53.3	54.5	58.2	62.2	49.4	50.5	53.9	57.7	53.3	54.5	58.2	62.2	49.4	50.5	53.9	57.7
		S/T	0.81	0.76	0.62	0.5	0.84	0.79	0.64	0.5	0.86	0.81	0.66	0.5	0.89	0.84	0.68	0.5	0.93	0.87	0.71	0.5	0.93	0.88	0.71	0.5	0.93	0.87	0.71	0.5	0.93	0.88	0.71	0.5
		ΔT	20	19	16	13	20	19	17	13	20	19	17	13	20	19	17	13	20	19	16	13	18	18	15	12.3	20	19	16	13	18	18	15	12.3
		kW	3.99	4.07	4.19	4.3	4.28	4.36	4.49	4.6	4.53	4.62	4.76	4.9	4.75	4.85	5.00	5.2	4.94	5.04	5.20	5.4	5.10	5.21	5.37	5.5	4.94	5.04	5.20	5.4	5.10	5.21	5.37	5.5
		Hi PR	251	270	285	297	281	303	320	333	320	344	364	379	364	392	414	432	410	441	466	486	453	487	515	537	410	441	466	486	453	487	515	537
80	2000	LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175	137	145	159	169	141	150	164	175
		MBh	58.6	59.9	64.0	68.4	57.2	58.5	62.5	66.8	55.9	57.1	61.0	65.2	54.5	55.7	59.5	63.6	51.8	52.9	56.5	60.4	48.0	49.0	52.4	56.0	51.8	52.9	56.5	60.4	48.0	49.0	52.4	56.0
		S/T	0.78	0.73	0.59	0.4	0.80	0.75	0.61	0.5	0.82	0.77	0.63	0.5	0.85	0.80	0.65	0.5	0.88	0.83	0.67	0.5	0.89	0.84	0.68	0.5	0.88	0.83	0.67	0.5	0.89	0.84	0.68	0.5
		ΔT	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	21	20	18	14	20	19	16	13.1	21	20	18	14	20	19	16	13.1
		kW	3.97	4.04	4.16	4.3	4.25	4.33	4.46	4.6	4.50	4.59	4.73	4.9	4.71	4.81	4.96	5.1	4.90	5.00	5.16	5.3	5.06	5.17	5.33	5.5	4.90	5.00	5.16	5.3	5.06	5.17	5.33	5.5
80	1700	Hi PR	248	267	282	294	279	300	317	330	317	341	360	375	361	388	410	428	406	437	461	481	448	483	510	532	406	437	461	481	448	483	510	532
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173	135	144	157	167	140	149	163	173
		MBh	54.1	55.3	59.0	63.1	52.8	54.0	57.7	61.6	51.6	52.7	56.3	60.2	50.3	51.4	54.9	58.7	47.8	48.8	52.2	55.8	44.3	45.2	48.3	51.7	47.8	48.8	52.2	55.8	44.3	45.2	48.3	51.7
		S/T	0.75	0.70	0.57	0.4	0.78	0.73	0.59	0.4	0.80	0.75	0.61	0.5	0.82	0.77	0.63	0.5	0.85	0.80	0.65	0.5	0.86	0.81	0.66	0.5	0.85	0.80	0.65	0.5	0.86	0.81	0.66	0.5
		ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	22	21	18	15	21	20	17	13.7	22	21	18	15	21	20	17	13.7
85	2300	kW	3.88	3.95	4.07	4.2	4.15	4.23	4.36	4.5	4.39	4.48	4.62	4.8	4.60	4.70	4.84	5.0	4.79	4.88	5.04	5.2	4.94	5.04	5.20	5.4	4.79	4.88	5.04	5.2	4.94	5.04	5.20	5.4
		Hi PR	241	259	274	285	270	291	307	320	307	331	349	364	350	377	398	415	394	424	447	467	435	468	494	516	394	424	447	467	435	468	494	516
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168	131	140	152	162	136	144	158	168
		MBh	61.4	62.6	65.6	69.9	60.0	61.1	64.0	68.3	58.5	59.7	62.5	66.7	57.1	58.2	61.0	65.1	54.3	55.3	57.9	61.8	50.3	51.2	53.7	57.2	54.3	55.3	57.9	61.8	50.3	51.2	53.7	57.2
		S/T	0.85	0.82	0.74	0.6	0.88	0.85	0.77	0.6	0.91	0.88	0.79	0.6	0.94	0.90	0.82	0.7	0.97	0.94	0.85	0.7	0.98	0.95	0.85	0.7	0.97	0.94	0.85	0.7	0.98	0.95	0.85	0.7
85	2000	ΔT	21	21	19	17	21	21	20	17	21	21	20	17	21	21	20	17	21	21	20	17	20	19	18	15.8	21	21	20	17	20	19	18	15.8
		kW	4.02	4.10	4.22	4.3	4.31	4.40	4.53	4.7	4.56	4.66	4.80	4.9	4.79	4.89	5.04	5.2	4.98	5.08	5.24	5.4	5.14	5.25	5.42	5.6	4.98	5.08	5.24	5.4	5.14	5.25	5.42	5.6
		Hi PR	253	272	288	300	284	306	323	337	323	348	367	383	368	396	418	436	414	446	471	491	457	492	520	542	414	446	471	491	457	492	520	542
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177	138	147	160	171	143	152	166	177
		MBh	59.6	60.8	63.6	67.9	58.2	59.4	62.2	66.3	56.8	57.9	60.7	64.7	55.5	56.5	59.2	63.2	52.7	53.7	56.2	60.0	48.8	49.7	52.1	55.6	52.7	53.7	56.2	60.0	48.8	49.7	52.1	55.6
85	1700	S/T	0.81	0.79	0.71	0.6	0.84	0.81	0.73	0.6	0.86	0.83	0.75	0.6	0.89	0.86	0.78	0.6	0.93	0.89	0.81	0.7	0.93	0.90	0.81	0.7	0.93	0.89	0.81	0.7	0.93	0.90	0.81	0.7
		ΔT	22	22	21	18	23	22	21	18	23	22	21	18	23	22	21	18	22	22	21	18	21	21	19	16.9	22	22	21	18	21	21	19	16.9
		kW	3.99	4.07	4.19	4.3	4.28	4.36	4.49	4.6	4.53	4.62	4.76	4.9	4.75	4.85	5.00	5.2	4.94	5.04	5.20	5.4	5.10	5.21	5.37	5.5	4.94	5.04	5.20	5.4	5.10	5.21	5.37	5.5
		Hi PR	251	270	285	297	281	303	320	333	320	344	364	379	364	392	414	432	410	441	466	486	453	487	515	537	410	441	466	486	453	487	515	537
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175	137	145	159	169	141	150	164	175
85	1700	MBh	55.0	56.1	58.7	62.7	53.7	54.8	57.4	61.2	52.5	53.5	56.0	59.8	51.2	52.2	54.6	58.3	48.6	49.6	51.9	55.4	45.0	45.9	48.1	51.3	48.6	49.6	51.9	55.4	45.0	45.9	48.1	51.3
		S/T	0.78	0.76	0.68	0.6	0.81	0.78	0.71	0.6	0.83	0.80	0.73	0.6	0.86	0.83	0.75	0.6	0.89	0.86	0.78	0.6	0.90	0.87	0.78	0.6	0.89	0.86	0.78	0.6	0.90	0.87	0.78	0.6
		ΔT	23	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	23	23	22	19	22	22	20	17.7	23	23	22	19	22	22	20	17.7
		kW	3.91	3.98	4.10	4.2	4.18	4.27	4.39	4.5	4.43	4.52	4.65	4.8	4.64	4.74	4.88	5.0	4.82	4.92	5.08	5.2	4.98	5.08	5.24	5.4	4.82	4.92	5.08	5.2	4.98	5.08	5.24	5.4
		Hi PR	243	262	276	288	273	294	310	323	310	334	353	368	353	380	402	419	398	428	452	471	439	473	499	521	398	428	452	471	439	473	499	521
85	1700	LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170	133	141	154	164	137	146	159	170

IDB		AIRFLOW		OUTDOOR AMBIENT TEMPERATURE																							
				65				75				85				95				105				115			
				ENTERING INDOOR WET BULB TEMPERATURE																							
70	1347	MBh	35.1	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.0	32.2	35.2	-	28.7	29.8	32.6	-	
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	14	11	-	
		KW	2.16	2.20	2.27	-	2.31	2.36	2.43	-	2.45	2.50	2.58	-	2.57	2.62	2.70	-	2.67	2.73	2.81	-	2.76	2.82	2.91	-	
		AMPS	7.3	7.4	7.6	-	7.8	7.9	8.1	-	8.3	8.5	8.7	-	8.8	8.9	9.2	-	9.2	9.4	9.7	-	9.7	9.9	10.1	-	
	1199	HI PR	221	237	251	-	247	266	281	-	281	303	320	-	321	345	364	-	361	388	410	-	398	429	453	-	
		LO PR	115	123	134	-	122	130	141	-	127	135	147	-	133	141	154	-	139	148	162	-	144	153	167	-	
		MBh	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.0	-	30.1	31.2	34.2	-	27.9	28.9	31.7	-	
		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	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
1062	KW	2.14	2.19	2.25	-	2.30	2.34	2.41	-	2.43	2.48	2.56	-	2.55	2.60	2.68	-	2.65	2.71	2.79	-	2.74	2.79	2.88	-		
	AMPS	7.3	7.4	7.6	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-	8.7	8.9	9.1	-	9.1	9.3	9.6	-	9.6	9.8	10.1	-		
	HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	342	361	-	357	384	406	-	394	425	448	-		
	LO PR	114	121	133	-	121	128	140	-	125	133	146	-	132	140	153	-	138	147	160	-	143	152	166	-		
	MBh	32.4	33.6	36.8	-	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.1	31.2	34.2	-	28.6	29.7	32.5	-	26.5	27.5	30.1	-		
75	1347	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	
		Delta T	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	
		KW	2.11	2.15	2.22	-	2.26	2.31	2.37	-	2.39	2.44	2.52	-	2.51	2.56	2.64	-	2.61	2.66	2.75	-	2.69	2.75	2.84	-	
		AMPS	7.2	7.3	7.5	-	7.6	7.7	7.9	-	8.1	8.3	8.5	-	8.6	8.7	9.0	-	9.0	9.2	9.4	-	9.4	9.6	9.9	-	
		HI PR	214	230	243	-	240	258	273	-	273	294	310	-	311	335	353	-	350	377	398	-	387	416	439	-	
	1062	LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	162	-	
		MBh	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	37.9	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.7	29.2	30.1	32.6	35.0	
		S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42	
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	
		KW	2.18	2.22	2.28	2.35	2.33	2.38	2.45	2.52	2.47	2.52	2.60	2.68	2.59	2.64	2.72	2.81	2.69	2.75	2.83	2.93	2.78	2.84	2.93	3.02	
1199	AMPS	7.4	7.5	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5	8.7	9.0	8.8	9.0	9.2	9.5	9.3	9.5	9.7	10.0	9.7	9.9	10.2	10.5		
	HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477		
	LO PR	116	124	135	144	123	131	143	152	128	136	148	158	134	143	156	166	141	150	163	174	146	155	169	180		
	MBh	34.7	35.7	38.6	41.5	33.9	34.9	37.7	40.5	33.1	34.0	36.8	39.5	32.3	33.2	35.9	38.6	30.6	31.5	34.1	36.6	28.4	29.2	31.6	33.9		
	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		
1062	Delta T	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10		
	KW	2.16	2.20	2.27	2.33	2.31	2.36	2.43	2.50	2.45	2.50	2.58	2.66	2.57	2.62	2.70	2.79	2.67	2.73	2.81	2.90	2.76	2.82	2.91	3.00		
	AMPS	7.3	7.4	7.6	7.9	7.8	7.9	8.1	8.4	8.3	8.5	8.7	8.9	8.8	8.9	9.2	9.5	9.2	9.4	9.7	10.0	9.7	9.9	10.1	10.5		
	HI PR	221	237	251	261	248	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	399	429	453	472		
	LO PR	115	123	134	143	122	130	141	151	127	135	147	157	133	141	154	164	139	148	162	172	144	153	167	178		
75	1062	MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.5	34.1	36.6	29.1	30.0	32.4	34.8	27.0	27.8	30.0	32.3	
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39	
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
		KW	2.13	2.17	2.23	2.30	2.28	2.32	2.39	2.47	2.41	2.46	2.54	2.61	2.53	2.58	2.66	2.74	2.63	2.68	2.77	2.86	2.72	2.77	2.86	2.95	
		AMPS	7.2	7.3	7.5	7.7	7.7	7.8	8.0	8.2	8.2	8.3	8.6	8.8	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	
75	1062	HI PR	216	233	246	256	243	261	276	287	276	297	313	327	314	338	357	372	353	380	402	419	391	420	444	463	
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175	
		MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.5	34.1	36.6	29.1	30.0	32.4	34.8	27.0	27.8	30.0	32.3	
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39	
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
75	1062	KW	2.13	2.17	2.23	2.30	2.28	2.32	2.39	2.47	2.41	2.46	2.54	2.61	2.53	2.58	2.66	2.74	2.63	2.68	2.77	2.86	2.72	2.77	2.86	2.95	
		AMPS	7.2	7.3	7.5	7.7	7.7	7.8	8.0	8.2	8.2	8.3	8.6	8.8	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	
		HI PR	216	233	246	256	243	261	276	287	276	297	313	327	314	338	357	372	353	380	402	419	391	420	444	463	
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175	
		MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.5	34.1	36.6	29.1	30.0	32.4	34.8	27.0	27.8	30.0	32.3	
75	1062	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39	
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
		KW	2.13	2.17	2.23	2.30	2.28	2.32	2.39	2.47	2.41	2.46	2.54	2.61	2.53	2.58	2.66	2.74	2.63	2.68	2.77	2.86	2.72	2.77	2.86	2.95	
		AMPS	7.2	7.3	7.5	7.7	7.7	7.8	8.0	8.2	8.2	8.3	8.6	8.8	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.3	
		HI PR	216	233	246	256	243	261	276	287	276	297	313	327	314	338	357	372	353	380	402	419	391	420	444	463	
75	1062	LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175	
		MBh	32.9	33.9	36.7	39.4	32.2	33.1	35.9	38.5	31.4	32.3	35.0	37.6	30.6	31.5	34.1	36.6	29.1	30.0	32.4	34.8	27.0	27.8	30.0	32.3	
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39	
		Delta T	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11	
		KW	2.13	2.17	2.23	2.30	2.28	2.32																			

OUTDOOR AMBIENT TEMPERATURE																																			
65						75						85						95						105						115					
		ENTERING INDOOR WET BULB TEMPERATURE																																	
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										
70	1796	MBh	46.4	48.1	52.7	-	45.3	47.0	51.4	-	44.2	45.8	50.2	-	43.1	44.7	49.0	-	41.0	42.5	46.5	-	38.0	39.4	43.1	-									
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-									
		Delta T	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-									
		KW	2.94	3.00	3.09	-	3.16	3.23	3.33	-	3.36	3.43	3.54	-	3.53	3.61	3.73	-	3.68	3.76	3.89	-	3.81	3.89	4.02	-									
		AMPS	9.4	9.6	9.8	-	10.0	10.2	10.5	-	10.7	10.9	11.2	-	11.3	11.5	11.9	-	11.9	12.2	12.5	-	12.5	12.8	13.1	-									
	1538	HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	415	439	-	427	459	485	-									
		LO PR	112	119	130	-	119	126	138	-	123	131	143	-	130	138	150	-	136	144	158	-	140	149	163	-									
		MBh	45.0	46.7	51.1	-	44.0	45.6	49.9	-	42.9	44.5	48.8	-	41.9	43.4	47.6	-	39.8	41.2	45.2	-	36.9	38.2	41.9	-									
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-									
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-									
1416	KW	2.92	2.98	3.07	-	3.14	3.20	3.31	-	3.33	3.41	3.51	-	3.51	3.58	3.70	-	3.65	3.73	3.85	-	3.78	3.86	3.99	-										
	AMPS	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.6	10.8	11.1	-	11.2	11.4	11.8	-	11.8	12.1	12.4	-	12.4	12.7	13.0	-										
	HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	455	480	-										
	LO PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-										
	MBh	44.4	46.0	50.4	-	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	39.2	40.6	44.5	-	36.3	37.6	41.2	-										
75	1796	S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-									
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-									
		KW	2.88	2.94	3.03	-	3.10	3.16	3.26	-	3.29	3.36	3.47	-	3.46	3.53	3.65	-	3.60	3.68	3.80	-	3.72	3.81	3.93	-									
		AMPS	9.2	9.4	9.6	-	9.8	10.0	10.3	-	10.5	10.7	11.0	-	11.1	11.3	11.6	-	11.7	11.9	12.2	-	12.2	12.5	12.9	-									
		HI PR	230	247	261	-	258	277	293	-	293	316	333	-	334	359	380	-	376	404	427	-	415	447	472	-									
	LO PR	109	116	127	-	115	123	134	-	120	128	139	-	126	134	146	-	132	141	153	-	137	145	159	-										
	1538	MBh	47.2	48.6	52.6	56.4	46.1	47.4	51.3	55.1	45.0	46.3	50.1	53.8	43.9	45.2	48.9	52.5	41.7	42.9	46.5	49.9	38.6	39.8	43.0	46.2									
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44									
		Delta T	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10									
		KW	2.96	3.03	3.12	3.22	3.19	3.26	3.36	3.47	3.39	3.46	3.57	3.69	3.56	3.64	3.76	3.89	3.71	3.80	3.92	4.05	3.84	3.93	4.06	4.19									
AMPS		9.5	9.6	9.9	10.2	10.1	10.3	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.6	11.9	12.3	12.0	12.3	12.6	13.0	12.6	12.9	13.2	13.7										
1416	HI PR	239	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511										
	LO PR	113	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	175										
	MBh	45.8	47.2	51.0	54.8	44.7	46.1	49.8	53.5	43.7	45.0	48.7	52.2	42.6	43.9	47.5	51.0	40.5	41.7	45.1	48.4	37.5	38.6	41.8	44.8										
	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42										
	Delta T	23	21	17	12	23	21	18	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11										
1416	KW	2.94	3.00	3.10	3.19	3.16	3.23	3.33	3.44	3.36	3.43	3.54	3.66	3.53	3.61	3.73	3.85	3.68	3.76	3.89	4.02	3.81	3.90	4.02	4.16										
	AMPS	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.5	11.9	12.2	11.9	12.2	12.5	12.9	12.5	12.8	13.1	13.6										
	HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	416	439	458	427	459	485	506										
	LO PR	112	120	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174										
	MBh	45.1	46.4	50.3	54.0	44.1	45.4	49.1	52.7	43.0	44.3	47.9	51.4	42.0	43.2	46.8	50.2	39.9	41.0	44.4	47.7	36.9	38.0	41.2	44.2										
1416	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	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40										
	Delta T	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	13	24	22	18	12	22	20	17	12										
	KW	2.90	2.96	3.05	3.15	3.12	3.19	3.29	3.39	3.31	3.39	3.49	3.61	3.49	3.56	3.68	3.80	3.63	3.71	3.83	3.96	3.76	3.84	3.97	4.10										
	AMPS	9.3	9.5	9.7	10.0	9.9	10.1	10.3	10.7	10.6	10.8	11.1	11.4	11.2	11.4	11.7	12.1	11.8	12.0	12.3	12.7	12.3	12.6	13.0	13.4										
	HI PR	232	250	264	275	260	280	296	309	296	319	337	351	337	363	383	400	380	408	431	450	419	451	477	497										
LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171											

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Shaded area reflects ACCA (TVA) conditions

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

kW = Total system power

		65				75				85				95				105				115			
		OUTDOOR AMBIENT TEMPERATURE																							
		ENTERING INDOOR WET BULB TEMPERATURE																							
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
80	MBh	48.0	49.1	52.4	56.0	46.9	47.9	51.2	54.7	45.8	46.8	50.0	53.4	44.7	45.6	48.8	52.1	42.4	43.4	46.3	49.5	39.3	40.2	42.9	45.9
	S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
	Delta T	24	23	20	16	24	23	20	16	23	23	20	16	23	23	20	16	22	22	20	16	20	21	19	15
	KW	2.99	3.05	3.14	3.25	3.21	3.28	3.39	3.50	3.42	3.49	3.60	3.72	3.59	3.67	3.79	3.92	3.74	3.83	3.95	4.09	3.87	3.96	4.09	4.23
	AMPS	9.5	9.7	10.0	10.3	10.2	10.3	10.6	11.0	10.9	11.1	11.4	11.7	11.5	11.7	12.0	12.4	12.1	12.3	12.7	13.1	12.7	13.0	13.3	13.8
	HI PR	241	259	274	286	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	163	139	147	161	171	143	152	166	177
	MBh	46.6	47.6	50.9	54.4	45.5	46.5	49.7	53.1	44.4	45.4	48.5	51.9	43.4	44.3	47.3	50.6	41.2	42.1	45.0	48.1	38.2	39.0	41.7	44.5
	S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
	Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	25	25	21	17	23	23	20	16
1538	KW	2.96	3.03	3.12	3.22	3.19	3.26	3.36	3.47	3.39	3.46	3.57	3.69	3.56	3.64	3.76	3.89	3.71	3.80	3.92	4.05	3.84	3.93	4.06	4.20
	AMPS	9.5	9.6	9.9	10.2	10.1	10.3	10.5	10.9	10.8	11.0	11.3	11.7	11.4	11.6	12.0	12.3	12.0	12.3	12.6	13.0	12.6	12.9	13.2	13.7
	HI PR	239	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
	LO PR	113	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	175
	MBh	45.9	46.9	50.1	53.6	44.8	45.8	49.0	52.3	43.8	44.7	47.8	51.1	42.7	43.6	46.6	49.8	40.6	41.5	44.3	47.3	37.6	38.4	41.0	43.9
	S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	1.01	0.95	0.77	0.58	1.00	0.95	0.78	0.58
	Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	24	24	21	17
	KW	2.92	2.98	3.08	3.18	3.15	3.21	3.31	3.42	3.34	3.41	3.52	3.64	3.51	3.59	3.71	3.83	3.66	3.74	3.86	3.99	3.79	3.87	4.00	4.13
	AMPS	9.3	9.5	9.8	10.1	10.0	10.1	10.4	10.7	10.6	10.9	11.2	11.5	11.2	11.5	11.8	12.2	11.8	12.1	12.4	12.8	12.4	12.7	13.1	13.5
	HI PR	234	252	266	278	263	283	299	312	299	322	340	355	341	367	387	404	383	413	436	454	424	456	481	502
LO PR	112	119	130	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	157	167	139	148	162	172	
1796	MBh	48.8	49.8	52.1	55.6	47.7	48.6	50.9	54.3	46.6	47.5	49.7	53.0	45.4	46.3	48.5	51.8	43.2	44.0	46.1	49.2	40.0	40.8	42.7	45.5
	S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
	Delta T	25	25	24	20	24	25	24	21	24	24	24	21	23	24	24	21	22	23	24	20	20	21	22	19
	KW	3.01	3.07	3.17	3.27	3.24	3.31	3.42	3.53	3.44	3.52	3.63	3.75	3.62	3.70	3.82	3.95	3.78	3.86	3.99	4.12	3.91	3.99	4.13	4.27
	AMPS	9.6	9.8	10.0	10.3	10.2	10.4	10.7	11.0	10.9	11.2	11.5	11.8	11.6	11.8	12.1	12.5	12.2	12.4	12.8	13.2	12.8	13.1	13.5	13.9
	HI PR	243	262	277	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521
	LO PR	116	123	134	143	122	130	142	151	127	135	148	157	134	142	155	165	140	149	162	173	145	154	168	179
	MBh	47.4	48.3	50.6	54.0	46.3	47.2	49.5	52.8	45.2	46.1	48.3	51.5	44.1	45.0	47.1	50.2	41.9	42.7	44.7	47.7	38.8	39.6	41.4	44.2
	S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
	Delta T	27	27	25	22	28	27	26	22	27	27	26	22	26	27	26	22	25	26	26	22	23	24	24	21
1538	KW	2.99	3.05	3.14	3.25	3.21	3.28	3.39	3.50	3.42	3.49	3.60	3.72	3.59	3.67	3.79	3.92	3.74	3.83	3.95	4.09	3.87	3.96	4.09	4.23
	AMPS	9.5	9.7	10.0	10.3	10.2	10.3	10.6	11.0	10.9	11.1	11.4	11.7	11.5	11.7	12.0	12.4	12.1	12.3	12.7	13.1	12.7	13.0	13.3	13.8
	HI PR	241	259	274	286	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	163	139	147	161	171	143	152	166	177
	MBh	46.7	47.6	49.9	53.2	45.6	46.5	48.7	52.0	44.5	45.4	47.6	50.7	43.5	44.3	46.4	49.5	41.3	42.1	44.1	47.0	38.2	39.0	40.8	43.6
	S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
	Delta T	28	28	26	23	29	28	27	23	29	28	27	23	28	28	27	23	27	27	26	23	25	25	25	21
	KW	2.95	3.01	3.10	3.20	3.17	3.24	3.34	3.45	3.37	3.44	3.55	3.67	3.54	3.62	3.74	3.86	3.69	3.77	3.90	4.03	3.82	3.90	4.03	4.17
	AMPS	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	11.9	12.2	12.5	12.9	12.5	12.8	13.2	13.6
	HI PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	417	440	459	428	460	486	507
LO PR	113	120	131	139	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	168	141	150	164	174	
DB = Entering Indoor Dry Bulb Temperature		Shaded area reflects AHRI conditions																				kW = Total system power			
High & low pressures are measured at the liquid & suction service ports.																						Amps: Unit amps (comp + evaporator + condenser fan motors)			
Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.																									

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions

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

KW = Total system power

		OUTDOOR AMBIENT TEMPERATURE												105												115											
		65						75						85						95						105						115					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
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	59	63	67	71	59	63	67	71				
70	2244	MBh	59.1	61.3	67.1	-	57.7	59.8	65.6	-	56.4	58.4	64.0	-	55.0	57.0	62.4	-	52.2	54.1	59.3	-	48.4	50.2	54.9	-	48.4	50.2	54.9	-	48.4	50.2	54.9	-			
		S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-			
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-			
		KW	3.76	3.83	3.95	-	4.03	4.11	4.24	-	4.27	4.36	4.49	-	4.48	4.58	4.72	-	4.66	4.76	4.91	-	4.82	4.92	5.08	-	4.82	4.92	5.08	-	4.82	4.92	5.08	-			
		AMPS	11.9	12.2	12.5	-	12.7	12.9	13.2	-	13.5	13.7	14.1	-	14.2	14.5	14.9	-	14.9	15.2	15.6	-	15.6	16.0	16.4	-	15.6	16.0	16.4	-	15.6	16.0	16.4	-			
70	2004	HI PR	239	258	272	-	269	289	305	-	306	329	347	-	348	375	396	-	392	421	445	-	433	466	492	-	433	466	492	-	433	466	492	-			
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	163	-	140	149	163	-	140	149	163	-			
		MBh	58.2	60.4	66.1	-	56.9	59.0	64.6	-	55.5	57.6	63.1	-	54.2	56.1	61.5	-	51.5	53.3	58.4	-	47.7	49.4	54.1	-	47.7	49.4	54.1	-	47.7	49.4	54.1	-			
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-			
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	18	16	12	-			
70	2004	KW	3.74	3.81	3.93	-	4.01	4.09	4.21	-	4.25	4.34	4.47	-	4.46	4.55	4.69	-	4.64	4.74	4.88	-	4.79	4.89	5.05	-	4.79	4.89	5.05	-	4.79	4.89	5.05	-			
		AMPS	11.9	12.1	12.4	-	12.6	12.8	13.2	-	13.4	13.7	14.0	-	14.1	14.4	14.8	-	14.9	15.2	15.6	-	15.6	15.9	16.3	-	15.6	15.9	16.3	-	15.6	15.9	16.3	-			
		HI PR	238	256	270	-	267	287	303	-	303	327	345	-	346	372	393	-	389	418	442	-	430	462	488	-	430	462	488	-	430	462	488	-			
		LO PR	111	118	129	-	117	125	136	-	122	130	142	-	128	136	149	-	134	143	156	-	139	148	161	-	139	148	161	-	139	148	161	-			
		70	1770	MBh	55.3	57.3	62.8	-	54.0	56.0	61.4	-	52.8	54.7	59.9	-	51.5	53.3	58.4	-	48.9	50.7	55.5	-	45.3	46.9	51.4	-	45.3	46.9	51.4	-	45.3	46.9	51.4	-	
S/T	0.69			0.57	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-			
Delta T	20			17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	19	16	12	-	19	16	12	-			
KW	3.68			3.76	3.87	-	3.95	4.03	4.15	-	4.18	4.27	4.40	-	4.39	4.48	4.62	-	4.56	4.66	4.81	-	4.71	4.81	4.97	-	4.71	4.81	4.97	-	4.71	4.81	4.97	-			
AMPS	11.7			11.9	12.2	-	12.4	12.7	13.0	-	13.2	13.5	13.8	-	13.9	14.2	14.6	-	14.6	14.9	15.3	-	15.3	15.6	16.1	-	15.3	15.6	16.1	-	15.3	15.6	16.1	-			
70	1770	HI PR	233	251	265	-	262	281	297	-	297	320	338	-	339	365	385	-	381	410	433	-	421	453	478	-	421	453	478	-	421	453	478	-			
		LO PR	109	116	127	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	136	145	158	-	136	145	158	-			
		MBh	60.1	61.9	67.0	71.9	58.7	60.5	65.4	70.2	57.3	59.0	63.9	68.6	55.9	57.6	62.3	66.9	53.1	54.7	59.2	63.5	49.2	50.7	54.8	58.9	49.2	50.7	54.8	58.9	49.2	50.7	54.8	58.9			
		S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43	0.98	0.88	0.66	0.43	0.98	0.88	0.66	0.43			
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10	20	18	15	10	20	18	15	10			
75	2244	KW	3.79	3.86	3.98	4.10	4.06	4.14	4.27	4.40	4.30	4.39	4.53	4.67	4.52	4.61	4.76	4.91	4.70	4.80	4.95	5.11	4.86	4.96	5.12	5.29	4.86	4.96	5.12	5.29	4.86	4.96	5.12	5.29			
		AMPS	12.0	12.2	12.5	12.9	12.7	13.0	13.3	13.7	13.6	13.9	14.2	14.6	14.3	14.6	15.0	15.4	15.1	15.3	15.8	16.2	15.8	16.1	16.5	17.0	15.8	16.1	16.5	17.0	15.8	16.1	16.5	17.0			
		HI PR	242	260	275	287	271	292	308	322	309	332	351	366	352	378	400	417	396	426	450	469	437	470	497	518	437	470	497	518	437	470	497	518			
		LO PR	113	120	131	140	120	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175	141	150	164	175	141	150	164	175			
		75	2004	MBh	59.2	61.0	66.0	70.8	57.8	59.6	64.5	69.2	56.5	58.1	62.9	67.5	55.1	56.7	61.4	65.9	52.3	53.9	58.3	62.6	48.5	49.9	54.0	58.0	48.5	49.9	54.0	58.0	48.5	49.9	54.0	58.0	
S/T	0.82			0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41			
Delta T	22			20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11	21	19	16	11	21	19	16	11			
KW	3.77			3.84	3.96	4.08	4.04	4.12	4.25	4.38	4.28	4.37	4.50	4.65	4.49	4.59	4.73	4.88	4.67	4.77	4.92	5.08	4.83	4.93	5.09	5.26	4.83	4.93	5.09	5.26	4.83	4.93	5.09	5.26			
AMPS	12.0			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	16.4	17.0	15.7	16.0	16.4	17.0	15.7	16.0	16.4	17.0			
75	2004	HI PR	240	259	273	285	270	290	306	319	307	330	348	363	349	376	397	414	393	423	446	466	434	467	493	514	434	467	493	514	434	467	493	514			
		LO PR	112	120	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174	140	149	163	174	140	149	163	174			
		MBh	56.3	57.9	62.7	67.3	55.0	56.6	61.2	65.7	53.6	55.2	59.8	64.2	52.3	53.9	58.3	62.6	49.7	51.2	55.4	59.5	46.1	47.4	51.3	55.1	46.1	47.4	51.3	55.1	46.1	47.4	51.3	55.1			
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39	0.90	0.80	0.61	0.39	0.90	0.80	0.61	0.39			
		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	21	20	16	11	21	20	16	11			
75	1770	KW	3.71	3.78	3.90	4.01	3.98	4.06	4.18	4.31	4.21	4.30	4.43	4.57	4.42	4.52	4.66	4.80	4.60	4.70	4.85	5.00	4.75	4.85	5.01	5.											

		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
80	MBh	61.2	62.5	66.8	71.4	59.8	61.1	65.2	69.7	58.3	59.6	63.7	68.1	56.9	58.2	62.1	66.4	54.1	55.2	59.0	63.1	50.1	51.2	54.7	58.4
	S/T	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61
	Delta T	23	22	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	23	20	16	21	21	18	15
	KW	3.82	3.89	4.01	4.13	4.09	4.18	4.30	4.44	4.34	4.43	4.57	4.71	4.55	4.65	4.80	4.95	4.74	4.84	4.99	5.15	4.90	5.00	5.16	5.33
	AMPS	12.1	12.3	12.6	13.0	12.8	13.1	13.4	13.8	13.7	14.0	14.3	14.7	14.4	14.7	15.1	15.6	15.2	15.5	15.9	16.4	15.9	16.2	16.7	17.2
	HI PR	244	263	278	290	274	295	312	325	312	336	354	370	355	382	404	421	400	430	454	474	441	475	502	523
	LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	MBh	60.3	61.6	65.8	70.3	58.9	60.2	64.3	68.7	57.5	58.7	62.7	67.1	56.1	57.3	61.2	65.4	53.3	54.4	58.2	62.2	49.3	50.4	53.9	57.6
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
	Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	23	22	19	15
2004	KW	3.80	3.87	3.99	4.11	4.07	4.15	4.28	4.41	4.31	4.40	4.54	4.68	4.53	4.62	4.77	4.92	4.71	4.81	4.96	5.13	4.87	4.97	5.13	5.30
	AMPS	12.0	12.3	12.6	12.9	12.8	13.0	13.3	13.7	13.6	13.9	14.2	14.7	14.4	14.6	15.0	15.5	15.1	15.4	15.8	16.3	15.8	16.1	16.6	17.1
	HI PR	243	261	276	288	272	293	309	323	310	333	352	367	353	380	401	418	397	427	451	470	438	472	498	520
	LO PR	113	121	132	140	120	128	139	148	125	133	145	154	131	139	152	162	137	146	159	170	142	151	165	175
	MBh	57.3	58.5	62.5	66.8	55.9	57.2	61.1	65.3	54.6	55.8	59.6	63.7	53.3	54.4	58.2	62.2	50.6	51.7	55.2	59.1	46.9	47.9	51.2	54.7
	S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.92	0.75	0.56
	Delta T	26	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
	KW	3.74	3.81	3.93	4.05	4.01	4.09	4.21	4.34	4.25	4.34	4.47	4.61	4.46	4.55	4.69	4.84	4.64	4.74	4.88	5.04	4.79	4.89	5.05	5.21
	AMPS	11.9	12.1	12.4	12.7	12.6	12.8	13.2	13.5	13.4	13.7	14.0	14.5	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	238	256	270	282	267	287	303	316	303	327	345	360	346	372	393	410	389	418	442	461	430	462	488	509
LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172	
2244	MBh	62.2	63.5	66.5	70.9	60.8	62.0	64.9	69.3	59.4	60.5	63.4	67.6	57.9	59.0	61.8	66.0	55.0	56.1	58.7	62.7	51.0	51.9	54.4	58.0
	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
	Delta T	25	25	23	20	25	25	24	20	24	25	24	20	24	24	24	21	23	23	23	20	21	21	22	19
	KW	3.84	3.92	4.04	4.16	4.12	4.21	4.34	4.47	4.37	4.46	4.60	4.75	4.59	4.69	4.84	4.99	4.78	4.88	5.03	5.20	4.94	5.04	5.20	5.37
	AMPS	12.2	12.4	12.7	13.1	12.9	13.2	13.5	13.9	13.8	14.1	14.4	14.8	14.5	14.8	15.2	15.7	15.3	15.6	16.0	16.5	16.0	16.3	16.8	17.3
	HI PR	247	266	280	293	277	298	315	328	315	339	358	373	359	386	408	425	404	434	459	478	446	480	507	528
	LO PR	115	123	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	173	144	154	168	178
	MBh	61.3	62.5	65.5	69.9	59.9	61.1	64.0	68.2	58.5	59.6	62.4	66.6	57.1	58.2	60.9	65.0	54.2	55.2	57.9	61.7	50.2	51.2	53.6	57.2
	S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
	Delta T	26	26	25	21	27	26	25	22	27	26	25	22	26	27	25	22	25	25	25	21	23	23	23	20
85	KW	3.82	3.90	4.02	4.14	4.10	4.19	4.31	4.45	4.35	4.44	4.58	4.72	4.57	4.66	4.81	4.96	4.75	4.85	5.00	5.17	4.91	5.01	5.17	5.34
	AMPS	12.1	12.3	12.7	13.0	12.9	13.1	13.4	13.8	13.7	14.0	14.3	14.8	14.5	14.7	15.1	15.6	15.2	15.5	15.9	16.4	15.9	16.2	16.7	17.2
	HI PR	245	264	279	290	275	296	313	326	313	337	355	371	356	383	405	422	401	431	455	475	443	477	503	525
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	163	139	147	161	171	143	152	166	177
	MBh	58.3	59.4	62.2	66.4	56.9	58.0	60.8	64.8	55.6	56.6	59.3	63.3	54.2	55.2	57.9	61.7	51.5	52.5	55.0	58.6	47.7	48.6	50.9	54.3
	S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
	Delta T	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	25	22	25	25	24	21
	KW	3.77	3.84	3.96	4.08	4.04	4.12	4.25	4.38	4.28	4.37	4.50	4.65	4.49	4.59	4.73	4.88	4.67	4.77	4.92	5.08	4.83	4.93	5.09	5.26
	AMPS	12.0	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	16.4	16.9
	HI PR	240	258	273	285	270	290	306	319	307	330	348	363	349	376	397	414	393	423	446	465	434	467	493	514
LO PR	112	119	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174	
DB= Entering Indoor Dry Bulb Temperature High & low pressures are measured at the liquid & suction service ports. Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.																								kW = Total system power Amps: Unit amps (comp + evaporator + condenser fan motors)	

IDB = Entering Indoor Dry Bulb Temperature

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

Design Subcooling, 12±3 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 8±3 °F @ the compressor suction access fitting connection.

Shaded area reflects AHRI conditions

Amperage: Unit amperage (comp. + evaporator + condenser fan motors)

kW = Total system power

DOWNSHOT

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	966	0.5	108	657
	0.2	850	0.52	115	710
	0.3	773	0.55	122	763
	0.4	678	0.59	130	819
	0.5	593	0.62	141	875
	0.6	---	---	---	---
	0.7	---	---	---	---
	0.8	---	---	---	---
	0.9	---	---	---	---
T2	0.1	1057	0.6	134	693
	0.2	956	0.62	140	740
	0.3	868	0.66	144	787
	0.4	788	0.69	156	839
	0.5	700	0.73	166	898
	0.6	618	0.76	174	946
	0.7	---	---	---	---
	0.8	---	---	---	---
	0.9	---	---	---	---
T3	0.1	1234	0.86	199	784
	0.2	1146	0.89	206	822
	0.3	1068	0.92	213	863
	0.4	977	0.96	221	910
	0.5	911	1.0	232	949
	0.6	842	1.04	245	998
	0.7	776	1.08	253	1031
	0.8	703	1.11	263	1082
	0.9	682	1.13	266	1107
T4	0.1	1363	1.03	242	822
	0.2	1253	1.09	251	874
	0.3	1176	1.12	260	910
	0.4	1110	1.15	270	940
	0.5	1034	1.19	279	981
	0.6	966	1.23	290	1028
	0.7	899	1.27	301	1074
	0.8	836	1.33	312	1117
	0.9	778	1.35	319	1146
T5	0.1	1413	1.14	268	849
	0.2	1299	1.18	275	899
	0.3	1233	1.23	259	933
	0.4	1166	1.26	296	963
	0.5	1096	1.3	307	1000
	0.6	1026	1.34	318	1040
	0.7	960	1.39	330	1052
	0.8	889	1.44	340	1132
	0.9	835	1.47	347	1169

HORIZONTAL

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1018	0.47	101	615
	0.2	969	0.49	109	653
	0.3	881	0.53	117	712
	0.4	818	0.55	125	768
	0.5	732	0.59	135	833
	0.6	658	0.63	142	890
	0.7	616	0.65	148	938
	0.8	---	---	---	---
	0.9	---	---	---	---
T2	0.1	1128	0.56	126	645
	0.2	1070	0.59	132	692
	0.3	994	0.62	138	727
	0.4	915	0.66	149	791
	0.5	839	0.69	156	838
	0.6	776	0.73	169	909
	0.7	698	0.77	179	963
	0.8	649	0.8	183	1003
	0.9	---	---	---	---
T3	0.1	1293	0.81	186	733
	0.2	1252	0.84	193	765
	0.3	1198	0.87	204	803
	0.4	1130	0.91	212	844
	0.5	1075	0.94	218	886
	0.6	1015	0.98	230	930
	0.7	941	1.02	242	984
	0.8	870	1.08	253	1045
	0.9	817	1.11	262	1080
T4	0.1	1404	0.99	232	789
	0.2	1367	1.02	240	817
	0.3	1334	1.05	244	845
	0.4	1265	1.09	257	882
	0.5	1207	1.13	265	922
	0.6	1153	1.17	272	958
	0.7	1090	1.21	283	1005
	0.8	1029	1.25	299	1052
	0.9	947	1.31	312	1111
T5	0.1	1457	1.08	254	805
	0.2	1413	1.12	266	839
	0.3	1359	1.16	273	870
	0.4	1307	1.2	285	911
	0.5	1253	1.23	291	940
	0.6	1197	1.28	304	978
	0.7	1138	1.31	310	1017
	0.8	1082	1.36	322	1059
	0.9	1029	1.41	335	1105

Notes:

Table represent dry coil without filter, to compensate for filter add 0.08" to measured E.S.P.. SCFM correction for wet coil = 4%. Models are shipped from the factory with speed tap set on T4.

DOWNSHOT

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1286	0.82	187	667
	0.2	1205	0.86	198	704
	0.3	1139	0.8	205	731
	0.4	1052	0.92	212	764
	0.5	982	0.95	215	790
	0.6	911	0.97	224	814
	0.7	840	1	230	837
	0.8	779	1.02	235	855
	0.9	717	1.04	242	879
T2	0.1	1470	1.09	251	726
	0.2	1399	1.12	260	758
	0.3	1315	1.16	271	790
	0.4	1253	1.19	281	814
	0.5	1180	1.22	287	842
	0.6	1110	1.26	292	867
	0.7	1042	1.29	300	891
	0.8	973	1.32	308	914
	0.9	916	1.34	314	933
T3	0.1	1747	1.75	413	855
	0.2	1668	1.8	414	884
	0.3	1609	1.84	436	908
	0.4	1557	1.88	442	931
	0.5	1489	1.92	453	957
	0.6	1419	1.97	476	984
	0.7	1377	2	472	1002
	0.8	1311	2.03	479	1022
	0.9	1256	2.07	488	1044
T4	0.1	1879	2.11	504	908
	0.2	1799	2.16	512	935
	0.3	1730	2.2	525	955
	0.4	1677	2.26	539	981
	0.5	1630	2.31	547	1006
	0.6	1558	2.35	557	1032
	0.7	1508	2.38	553	1049
	0.8	1443	2.43	588	1072
	0.9	1389	2.48	585	1091
T5	0.1	1903	2.28	542	931
	0.2	1838	2.31	561	952
	0.3	1785	2.38	571	977
	0.4	1723	2.41	574	1002
	0.5	1666	2.46	585	1020
	0.6	1612	2.51	596	1048
	0.7	1547	2.56	611	1067
	0.8	1505	2.59	607	1083
	0.9	1445	2.63	613	1109

HORIZONTAL

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1346	0.77	176	622
	0.2	1286	0.8	186	657
	0.3	1211	0.84	198	698
	0.4	1144	0.88	204	730
	0.5	1068	0.92	214	768
	0.6	996	0.95	222	798
	0.7	923	0.98	229	829
	0.8	839	1.01	235	857
	0.9	777	1.04	242	881
T2	0.1	1534	1.01	234	681
	0.2	1482	1.05	246	710
	0.3	1412	1.09	256	745
	0.4	1352	1.13	263	774
	0.5	1286	1.17	272	806
	0.6	1216	1.19	281	839
	0.7	1147	1.24	289	868
	0.8	1077	1.27	299	892
	0.9	1002	1.31	309	922
T3	0.1	1515	1.61	382	787
	0.2	1762	1.65	392	809
	0.3	1697	1.69	399	835
	0.4	1651	1.74	416	863
	0.5	1598	1.79	423	892
	0.6	1533	1.85	438	922
	0.7	1464	1.89	447	951
	0.8	1417	1.94	458	975
	0.9	1361	1.97	475	999
T4	0.1	1941	1.96	464	834
	0.2	1888	1.99	471	853
	0.3	1847	2.04	491	876
	0.4	1790	2.09	502	906
	0.5	1742	2.14	509	928
	0.6	1682	2.19	537	957
	0.7	1620	2.26	5337	987
	0.8	1576	2.28	547	1010
	0.9	1521	2.33	556	1034
T5	0.1	1994	2.09	497	845
	0.2	1946	2.16	511	876
	0.3	1893	2.15	518	896
	0.4	1865	2.28	536	923
	0.5	1795	2.26	548	351
	0.6	1741	2.39	555	376
	0.7	1681	2.38	572	999
	0.8	1630	2.47	597	1023
	0.9	1576	2.47	595	1046

Notes:

Table represent dry coil without filter, to compensate for filter add 0.08" to measured E.S.P.. SCFM correction for wet coil = 4%. Models are shipped from the factory with speed tap set on T4.

DOWNSHOT

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1334	1.65	180	627
	0.2	1286	1.75	192	665
	0.3	1212	1.83	202	715
	0.4	1144	1.94	216	759
	0.5	1077	1.99	222	792
	0.6	1039	2.10	238	830
	0.7	953	2.17	248	874
	0.8	904	2.27	258	913
	0.9	825	2.30	266	940
T2	0.1	1512	2.12	240	682
	0.2	1469	2.24	254	720
	0.3	1397	2.31	264	759
	0.4	1333	2.44	282	803
	0.5	1285	2.54	296	836
	0.6	1221	2.59	304	874
	0.7	1173	2.72	322	913
	0.8	1118	2.77	328	946
	0.9	1049	2.90	344	984
T3	0.1	2053	4.27	540	869
	0.2	2014	4.39	558	896
	0.3	1999	4.60	576	929
	0.4	1947	4.68	588	957
	0.5	1897	4.79	608	989
	0.6	1857	4.87	620	1012
	0.7	1763	4.99	640	1050
	0.8	1741	5.06	650	1072
	0.9	1669	5.19	668	1105
T4	0.1	2137	4.95	634	913
	0.2	2093	5.07	652	940
	0.3	2095	5.19	670	962
	0.4	2026	5.28	682	990
	0.5	1980	5.40	698	1018
	0.6	1961	5.49	720	1039
	0.7	1914	5.58	732	1072
	0.8	1845	5.70	742	1100
	0.9	1766	5.69	740	1127
T5	0.1	2299	5.70	742	942
	0.2	2233	5.80	748	969
	0.3	2217	5.90	768	990
	0.4	2157	6.07	786	1018
	0.5	2131	6.12	804	1045
	0.6	2060	6.21	816	1073
	0.7	2015	6.30	820	1095
	0.8	1940	6.27	816	1111
	0.9	1862	6.13	790	1128

HORIZONTAL

SPEED TAP	ESP IN W.C.	CFM	AMPS	WATTS	RPM
T1	0.1	1355	1.57	174	599
	0.2	1281	1.66	182	651
	0.3	1235	1.76	196	693
	0.4	1168	1.81	202	726
	0.5	1118	1.94	218	775
	0.6	1049	2.03	232	819
	0.7	982	2.10	240	858
	0.8	922	2.14	246	885
	0.9	871	2.25	260	927
T2	0.1	1544	2.04	234	660
	0.2	1490	2.17	250	704
	0.3	1427	2.25	260	742
	0.4	1370	2.35	276	781
	0.5	1319	2.42	282	809
	0.6	1274	2.52	296	849
	0.7	1210	2.62	316	891
	0.8	1137	2.73	326	935
	0.9	1106	2.77	336	957
T3	0.1	2099	4.13	516	825
	0.2	2068	4.25	536	852
	0.3	2029	4.37	552	885
	0.4	1971	4.48	568	913
	0.5	1911	4.61	586	950
	0.6	1876	4.73	604	973
	0.7	1821	4.86	622	1012
	0.8	1792	4.91	630	1028
	0.9	1740	5.03	648	1067
T4	0.1	2233	4.76	608	863
	0.2	2168	4.91	628	896
	0.3	2125	5.02	640	924
	0.4	2070	5.14	660	951
	0.5	2050	5.27	678	979
	0.6	1980	5.41	696	1012
	0.7	1954	5.47	704	1034
	0.8	1893	5.60	724	1067
	0.9	1852	5.70	736	1089
T5	0.1	2322	5.44	710	904
	0.2	2294	5.55	726	934
	0.3	2254	5.68	742	958
	0.4	2201	5.80	766	990
	0.5	2147	5.93	782	1017
	0.6	2117	6.01	788	1039
	0.7	2081	6.12	808	1060
	0.8	2017	6.22	822	1094
	0.9	1932	6.10	804	1111

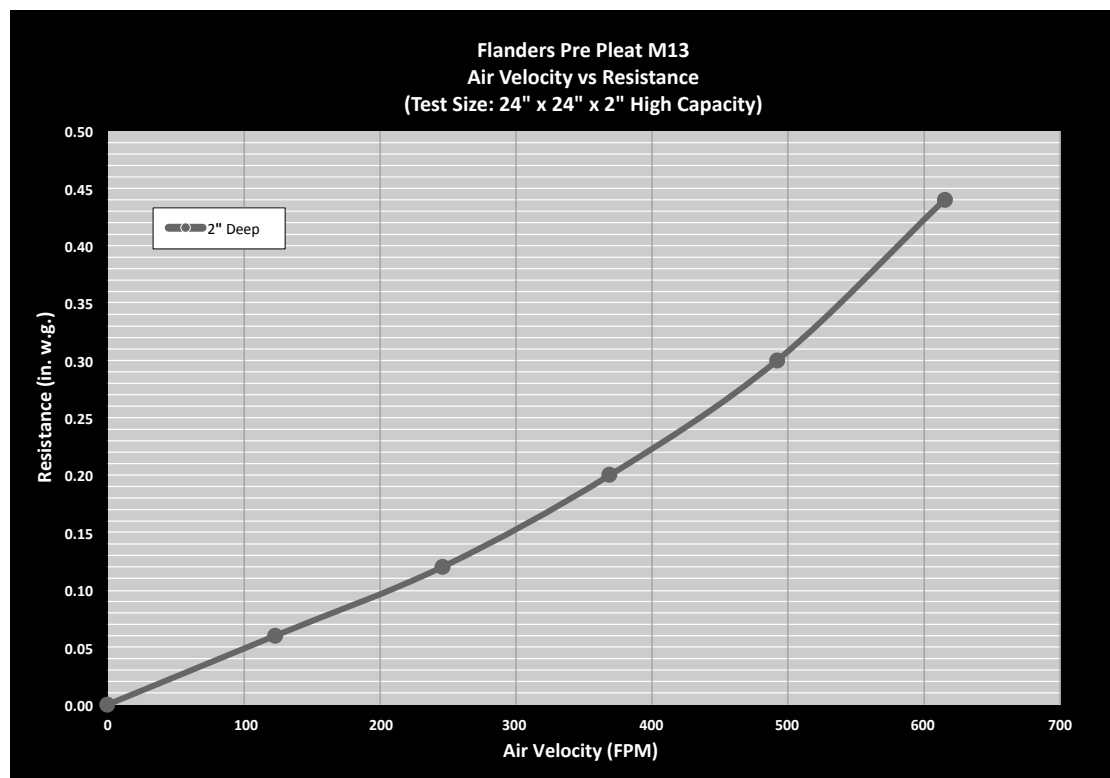
Notes:

Table represent dry coil without filter, to compensate for filter add 0.08" to measured E.S.P.. SCFM correction for wet coil = 4%. Models are shipped from the factory with speed tap set on T4.

AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 3 TO 6 TON ROOFTOP UNITS (100% RETURN AIR)

SCFM	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
in. WG	0.02	0.04	0.05	0.07	0.09	0.12	0.14	0.17	0.21	0.24	0.28

HIGH EFFICIENCY MERV 13 AIR FILTER OPTION



TONNAGE:	FILTER NOMINAL SIZE:	PART NUMBER:	ORDER QTY:
3	24 x 24 x 2	0160L00203	1
4	14 x 20 x 2	0160L00204	4
5	16 x 20 x 2	0160L00205	4

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*,DT* & DS* TONNAGE	COMPRESSOR VOLTAGE			CRANKCASE HEATER WATTS
	230V	460V	575V	
3 Ton	0163R00002S	0163R00031S	0163R00032S	40
4 Ton & 5 Ton	0130L00017S	0130L00018S	0130L00019S	70

*Includes C,G&H models.

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DTC036***1D***	---
EHK1-10	1250-1350 CFM
EHK1-15	1250-1440 CFM
DTC036***3D***	---
EHK3-10	1250-1350 CFM
EHK3-15	1250-1440 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DTC048***1D***	---
EHK1-10	1400-1800 CFM
EHK1-15	1575-1800 CFM
EHK1-18	1575-1800 CFM
DTC048***3D***	---
EHK3-10	1400-1800 CFM
EHK3-15	1575-1800 CFM
EHK3-18	1575-1800 CFM

MODEL AND HEAT KIT USAGE	RECOMMENDED AIRFLOW RANGE
DTC060***1D***	---
EHK1-10	1750-2250 CFM
EHK1-15	1750-2250 CFM
EHK1-20	1850-2250 CFM
DTC060***3D***	---
EHK3-10	1750-2250 CFM
EHK3-15	1750-2250 CFM
EHK3-20	1850-2250 CFM

kW CORRECTION FACTOR

kW CORRECTION FACTOR FOR 1- & 3-PHASE UNITS					
SUPPLY VOLTAGE	240	230	220	210	208
CORRECTION FACTOR	1	0.92	0.84	0.77	0.75

Multiply rated kW by correction factor to get actual kW

MINIMUM AIRFLOW FOR ELECTRIC HEAT

HEATER SIZE	MINIMUM CFM
10 kW	1250
15 kW	1400
18 kW	1575
20 kW	1850

3 TONS

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	MCA	MOP
DTC036XXX1D	208/230-1-60	14.1	77.0			1	0.25	1.40	Standard - Direct Drive	0.50	3.90	-	-	-	-	22.9 / 22.9	35 / 35
												EHK1-10	7.5 / 10.0	36.1 / 41.7	-	50.0 / 57.0	50 / 60
												EHK1-15	11.3 / 15.0	54.2 / 62.5	-	72.6 / 83.0	80 / 90
												-	-	-	7.2 / 6.5	30.1 / 29.4	40 / 40
												EHK1-10	7.5 / 10.0	36.1 / 41.7	7.2 / 6.5	59.0 / 65.1	60 / 70
												EHK1-15	11.3 / 15.0	54.2 / 62.5	7.2 / 6.5	81.6 / 91.1	90 / 100
DTC036XXX3D	208/230-3-60	9.0	71.0			1	0.25	1.40	Standard - Direct Drive	0.50	3.90	-	-	-	-	16.5 / 16.5	25 / 25
												EHK3-10	7.5 / 10.0	20.8 / 24.0	-	30.9 / 30.9	35 / 35
												EHK3-15	11.3 / 15.0	31.3 / 36.1	-	44.0 / 50.0	45 / 50
												-	-	-	7.2 / 6.5	23.7 / 23.0	30 / 30
												EHK3-10	7.5 / 10.0	20.8 / 24.0	7.2 / 6.5	39.9 / 43.0	40 / 45
												EHK3-15	11.3 / 15.0	31.3 / 36.1	7.2 / 6.5	53.0 / 58.1	60 / 60

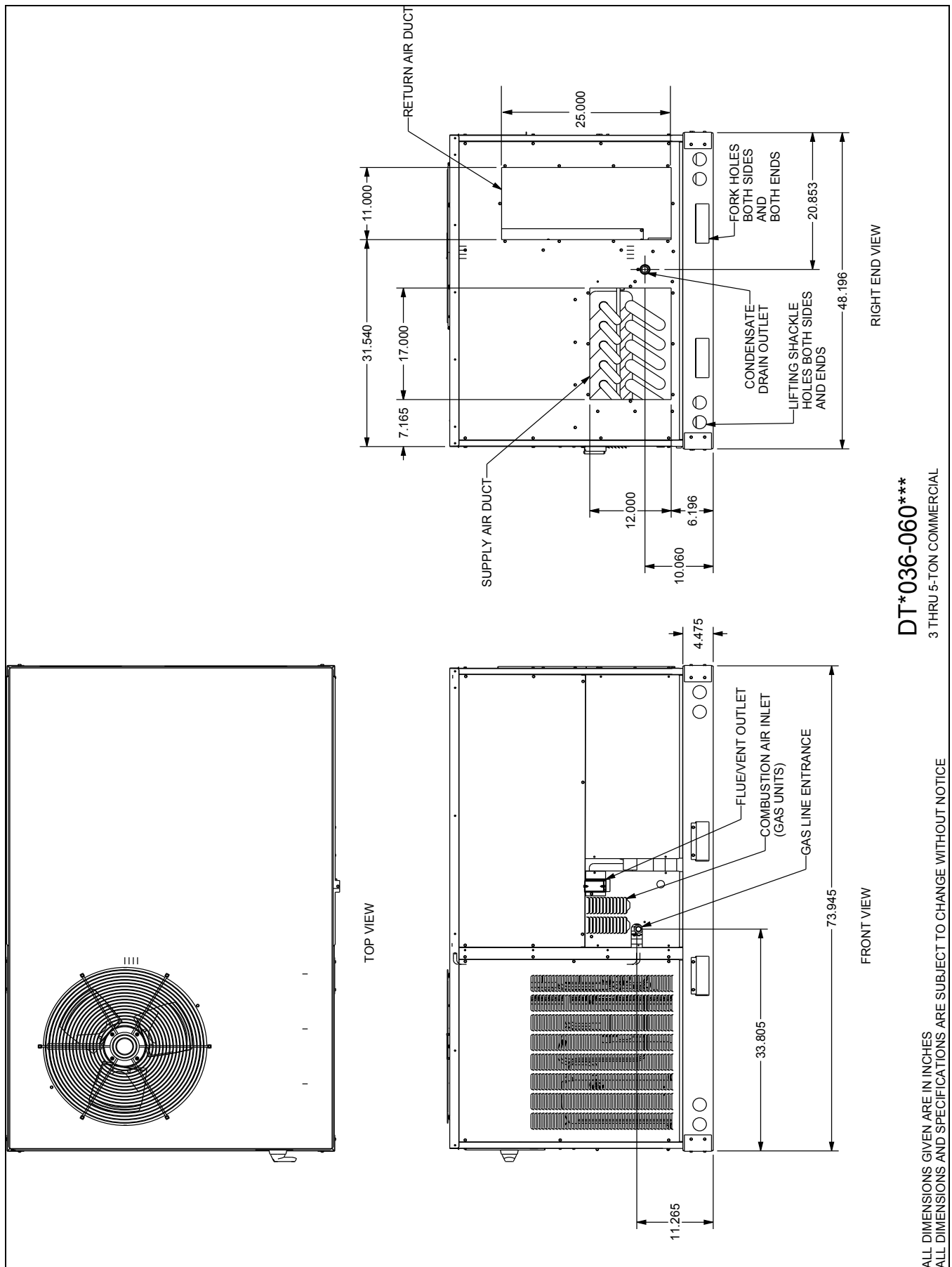
4 TONS

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	MCA	MOP
DTC048XXX1D	208/230-1-60	19.9	109.0			1	0.25	1.40	Standard - Direct Drive	1.00	6.90	-	-	-	-	33.1 / 33.1	50 / 50
												EHK1-10	7.5 / 10.0	36.1 / 41.7	-	53.8 / 60.8	60 / 70
												EHK1-15	11.3 / 15.0	54.2 / 62.5	-	76.4 / 86.8	80 / 90
												EHK1-18	13.5 / 18.0	65.0 / 75.0	-	89.9 / 102	90 / 110
												-	-	-	7.2 / 6.5	40.3 / 39.6	60 / 50
												EHK1-10	7.5 / 10.0	36.1 / 41.7	7.2 / 6.5	62.8 / 68.9	70 / 70
DTC048XXX3D	208/230-3-60	13.1	83.1			1	0.25	1.40	Standard - Direct Drive	1.00	6.90	EHK1-15	11.3 / 15.0	54.2 / 62.5	7.2 / 6.5	85.4 / 94.9	90 / 100
												EHK1-18	13.5 / 18.0	65.0 / 75.0	7.2 / 6.5	98.9 / 111	100 / 125
												-	-	-	-	24.7 / 24.7	35 / 35
												EHK3-10	7.5 / 10.0	20.8 / 24.0	-	34.6 / 38.6	35 / 40
												EHK3-15	11.3 / 15.0	31.3 / 36.1	-	47.8 / 53.8	50 / 60
												EHK3-18	13.5 / 18.0	37.5 / 43.3	-	55.5 / 62.8	60 / 70
DTC060XXX1D	208/230-1-60	25.0	134.0			1	0.33	2.00	Standard - Direct Drive	1.00	6.90	-	-	-	-	40.2 / 40.2	60 / 60
												EHK1-10	7.5 / 10.0	36.1 / 41.7	-	53.8 / 60.8	60 / 70
												EHK1-15	11.3 / 15.0	54.2 / 62.5	-	76.4 / 86.8	80 / 90
												EHK1-20	15.0 / 18.0	72.2 / 83.3	-	98.9 / 113	100 / 125
												-	-	-	7.2 / 6.5	47.4 / 46.7	70 / 70
												EHK1-10	7.5 / 10.0	36.1 / 41.7	7.2 / 6.5	62.8 / 68.9	70 / 70
DTC060XXX3D	208/230-3-60	15.9	110.0			1	0.33	2.00	Standard - Direct Drive	1.00	6.90	EHK1-15	11.3 / 15.0	54.2 / 62.5	7.2 / 6.5	85.4 / 94.9	90 / 100
												EHK1-20	15.0 / 18.0	72.2 / 83.3	7.2 / 6.5	108 / 121	110 / 125
												-	-	-	-	28.8 / 28.8	40 / 40
												EHK3-10	7.5 / 10.0	20.8 / 24.0	-	34.6 / 38.6	40 / 40
												EHK3-15	11.3 / 15.0	31.3 / 36.1	-	47.8 / 53.8	50 / 60
												EHK3-20	15.0 / 18.0	41.6 / 48.0	-	60.6 / 68.6	70 / 70

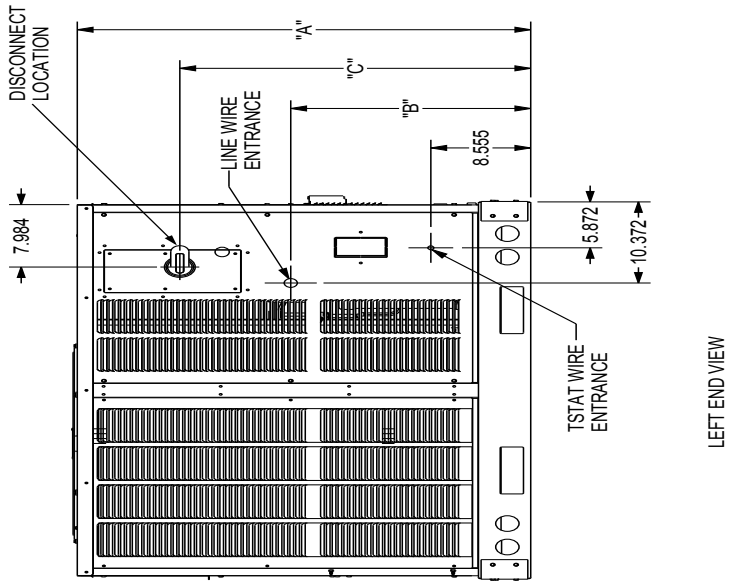
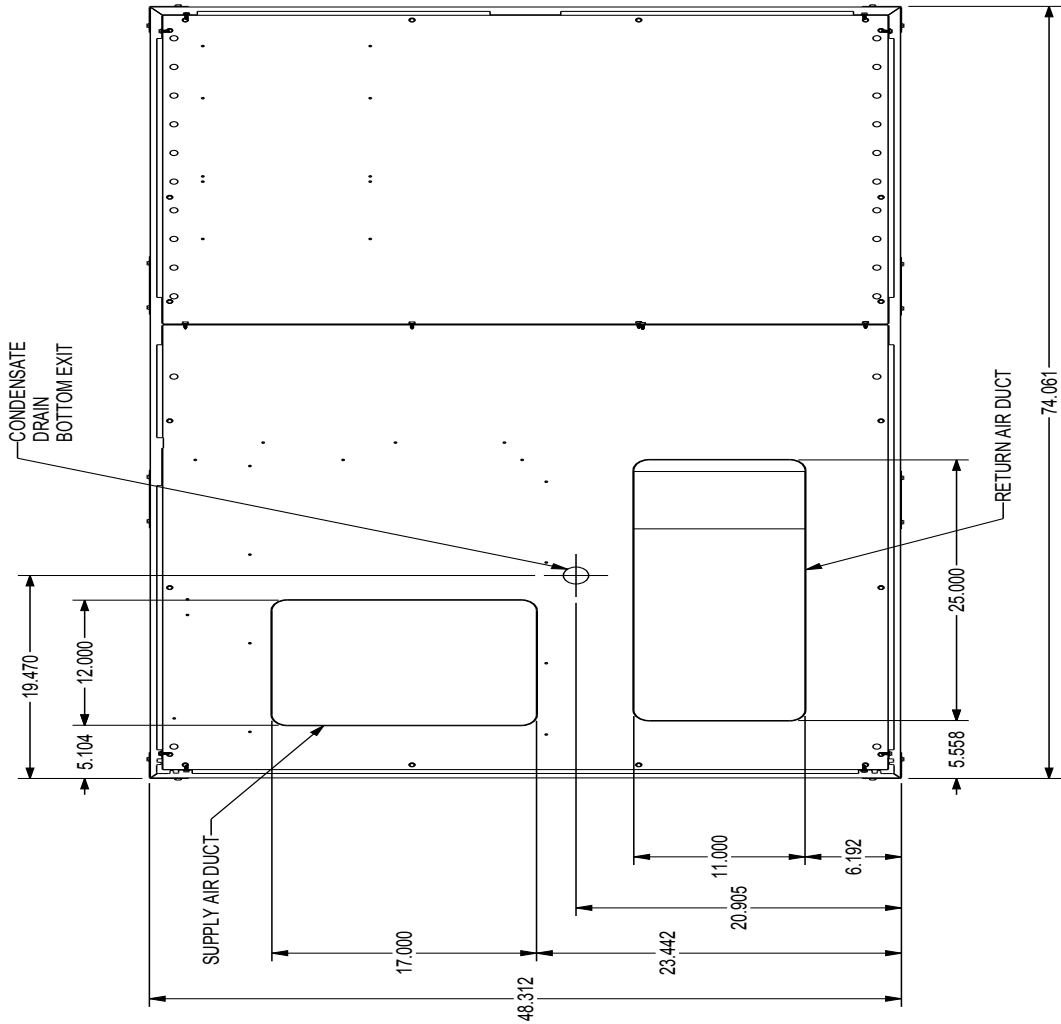
5 TONS

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	MCA	MOP
DTC060XXX1D	208/230-1-60	25.0	134.0			1	0.33	2.00	Standard - Direct Drive	1.00	6.90	-	-	-	-	40.2 / 40.2	60 / 60
												EHK1-10	7.5 / 10.0	36.1 / 41.7	-	53.8 / 60.8	60 / 70
												EHK1-15	11.3 / 15.0	54.2 / 62.5	-	76.4 / 86.8	80 / 90
												EHK1-20	15.0 / 18.0	72.2 / 83.3	-	98.9 / 113	100 / 125
												-	-	-	7.2 / 6.5	47.4 / 46.7	70 / 70
												EHK1-10	7.5 / 10.0	36.1 / 41.7	7.2 / 6.5	62.8 / 68.9	70 / 70
DTC060XXX3D	208/230-3-60	15.9	110.0			1	0.33	2.00	Standard - Direct Drive	1.00	6.90	EHK1-15	11.3 / 15.0	54.2 / 62.5	7.2 / 6.5	85.4 / 94.9	90 / 100
												EHK1-20	15.0 / 18.0	72.2 / 83.3	7.2 / 6.5	108 / 121	110 / 125
												-	-	-	-	28.8 / 28.8	40 / 40
												EHK3-10	7.5 / 10.0	20.8 / 24.0	-	34.6 / 38.6	40 / 40
												EHK3-15	11.3 / 15.0	31.3 / 36.1	-	47.8 / 53.8	50 / 60
												EHK3-20	15.0 / 18.0	41.6 / 48.0	-	60.6 / 68.6	70 / 70

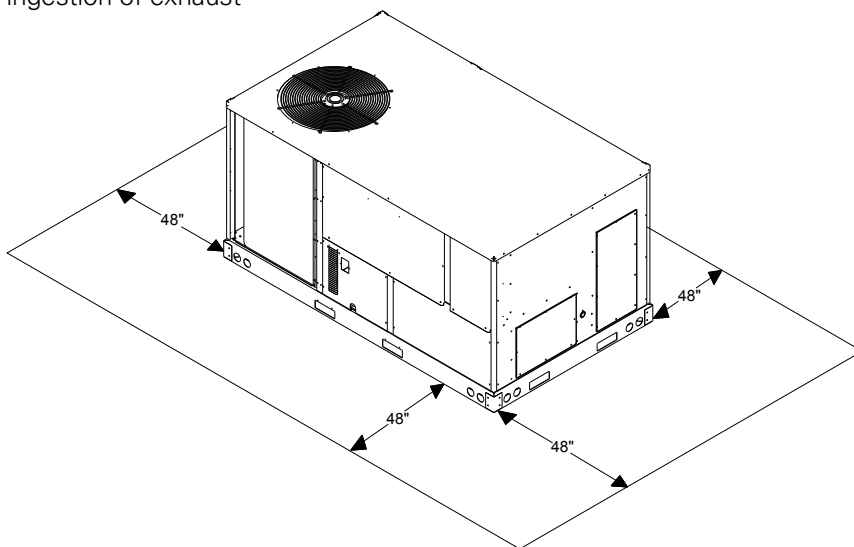
* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units



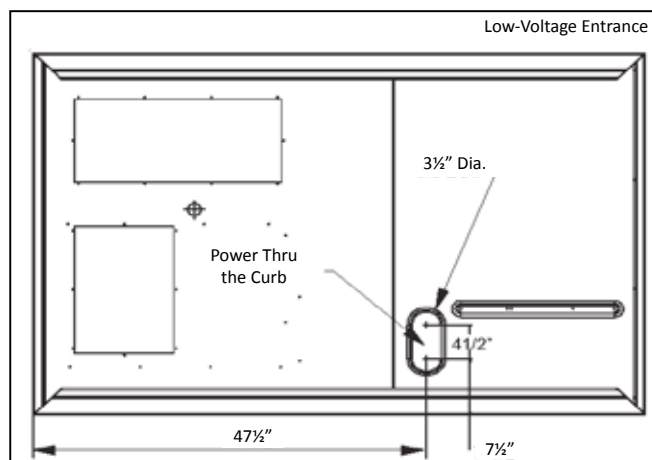
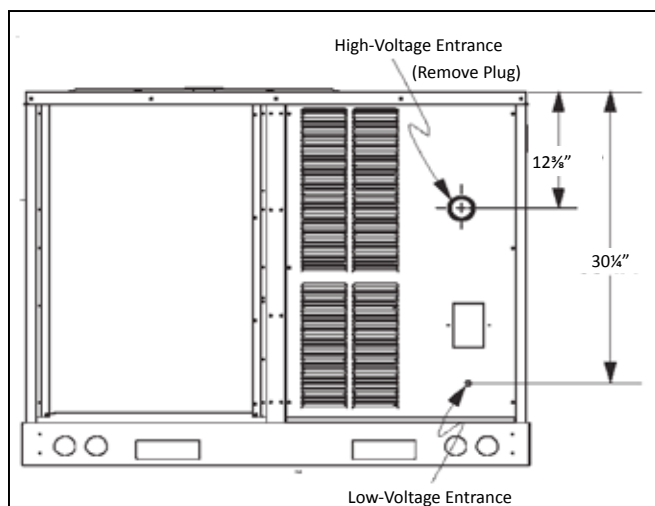
MODEL TONNAGES	"A"	"B"	"C"
3-TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	38.840	16.555	26.055
4-TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	38.840	16.555	26.055
5-TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER	42.840	20.555	30.055



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.

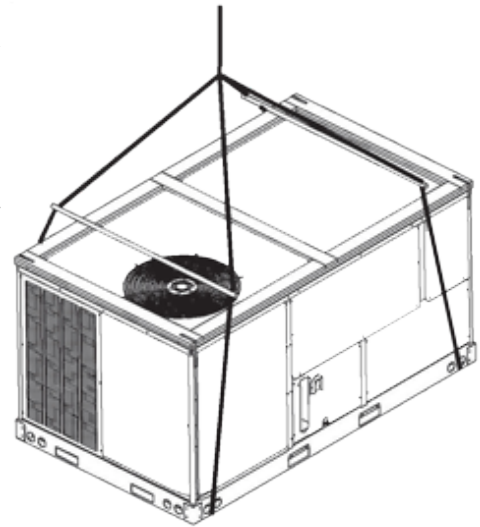


ELECTRICAL ENTRANCE LOCATIONS



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.

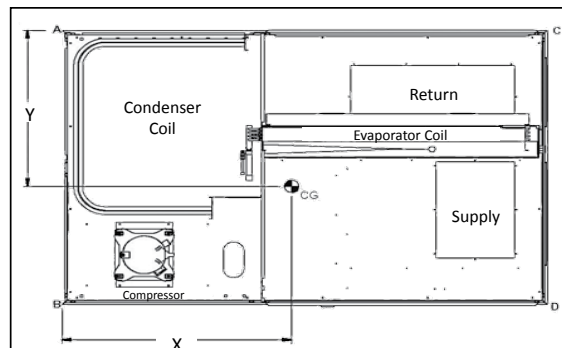
Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

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.

To assist in determining rigging requirements, unit weights are shown below.

**CORNER
& CENTER-OF-GRAVITY
LOCATIONS**



MODEL	X (IN)	Y (IN)	SHIPPING WEIGHT (LBS)	OPERATING WEIGHT (LBS)	CORNER WEIGHTS (LBS.)			
					A	B	C	D
DTC036XXXXDXXX	38.9	25.6	529	501	157	103	81	160
DTC048XXXXDXXX	38.0	26.0	563	534	161	108	84	181
DTC060XXXXDXXX	39.0	25.9	575	544	184	97	73	190

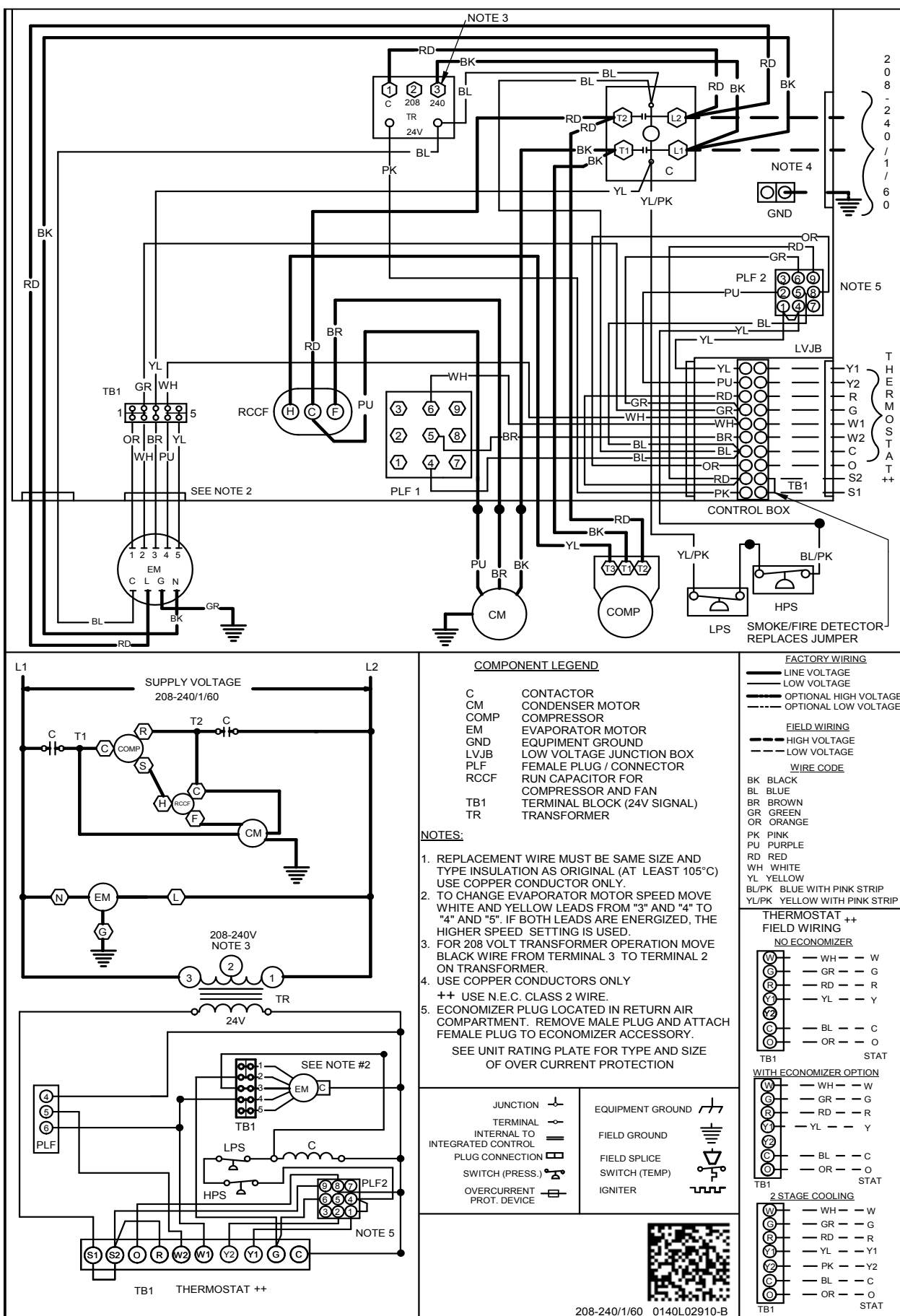
Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association. Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting 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 Down Shot duct installation before unit placement. Duct installation after unit placement is not recommended.

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

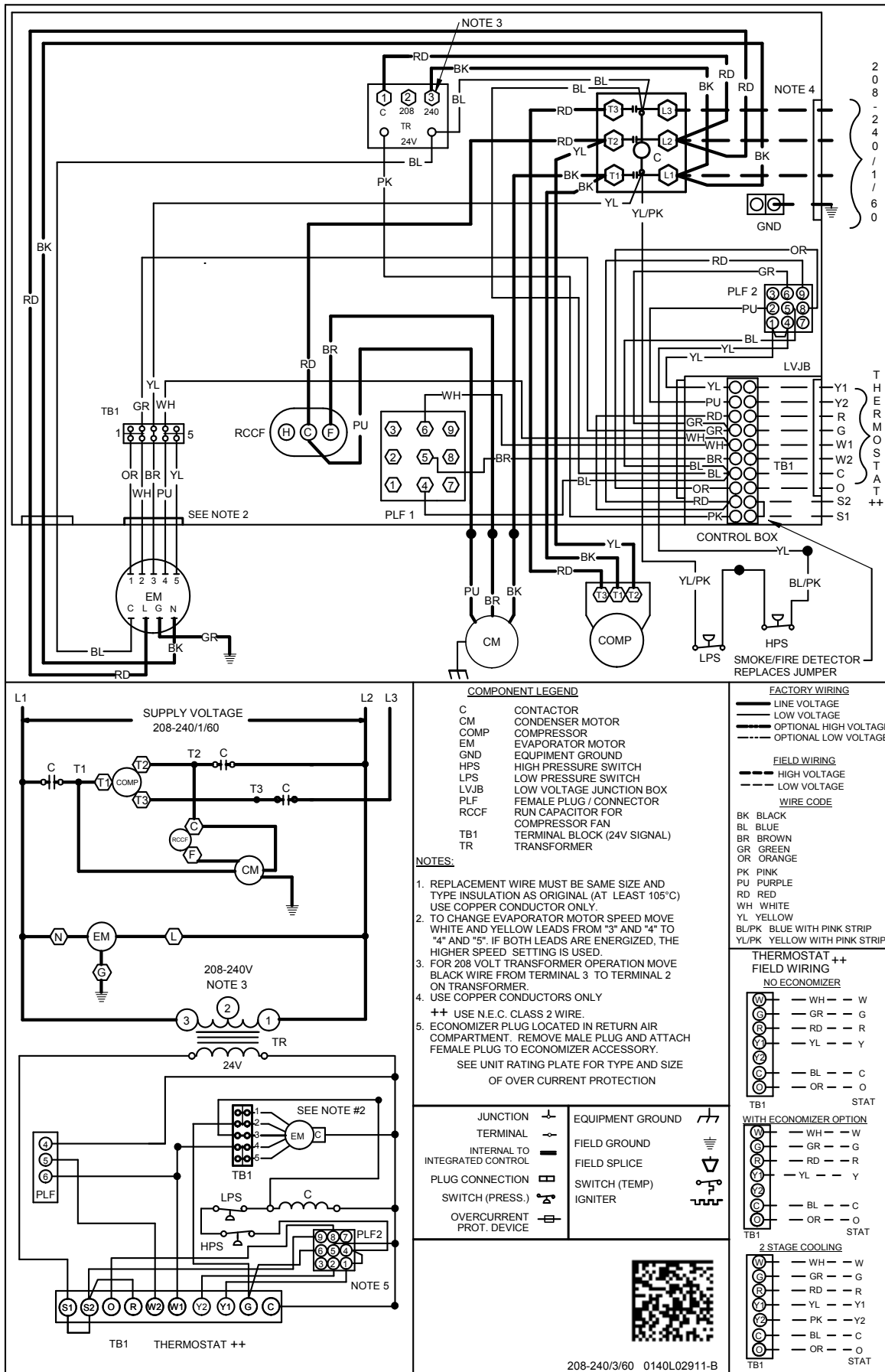


WARNING

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.

WARNING

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



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.

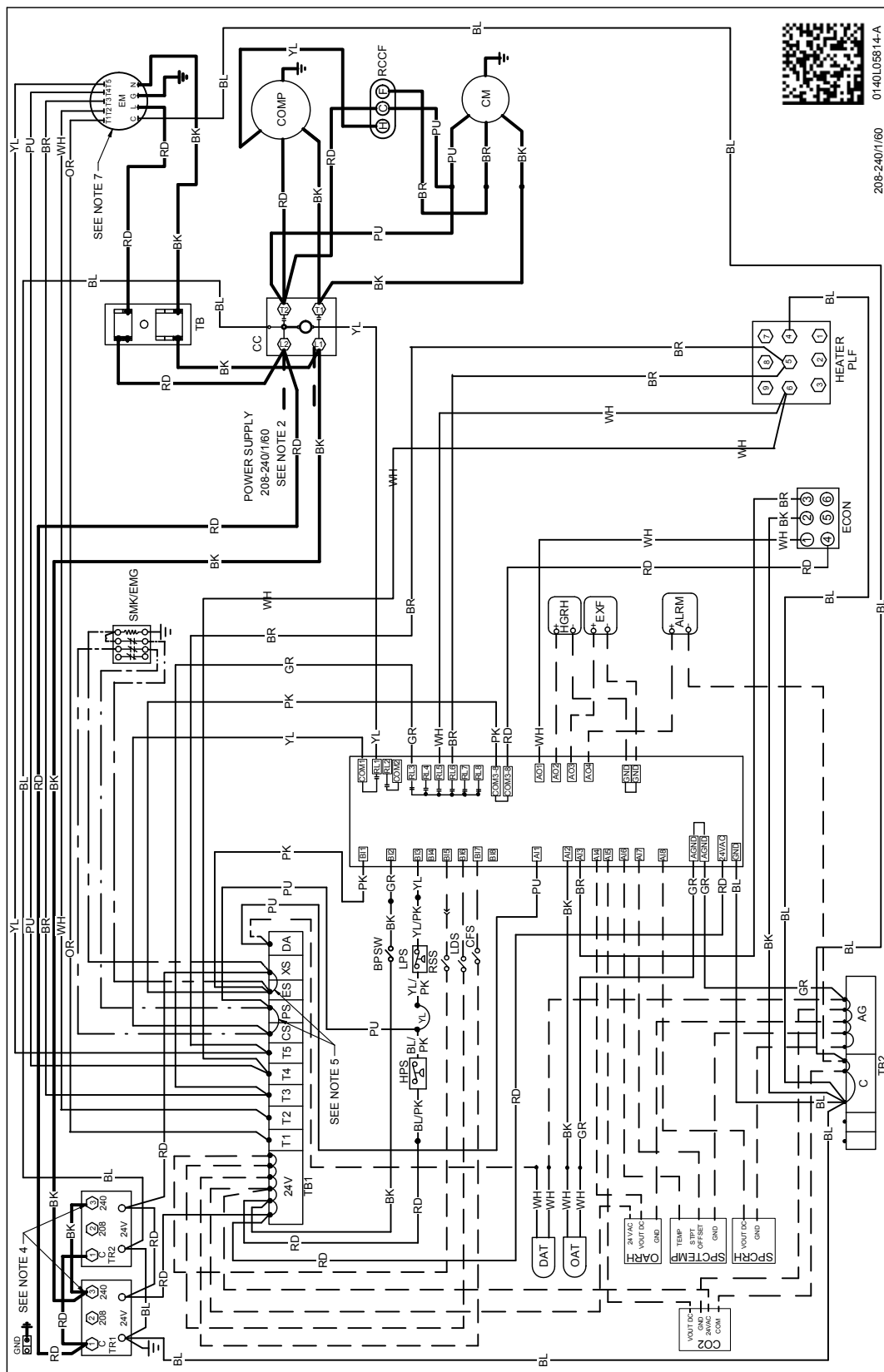
WARNING

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

208-240/3/60 0140L02911-B

WIRING DIAGRAMS FOR MODELS WITH DDC CONTROLS

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



208-240V/60

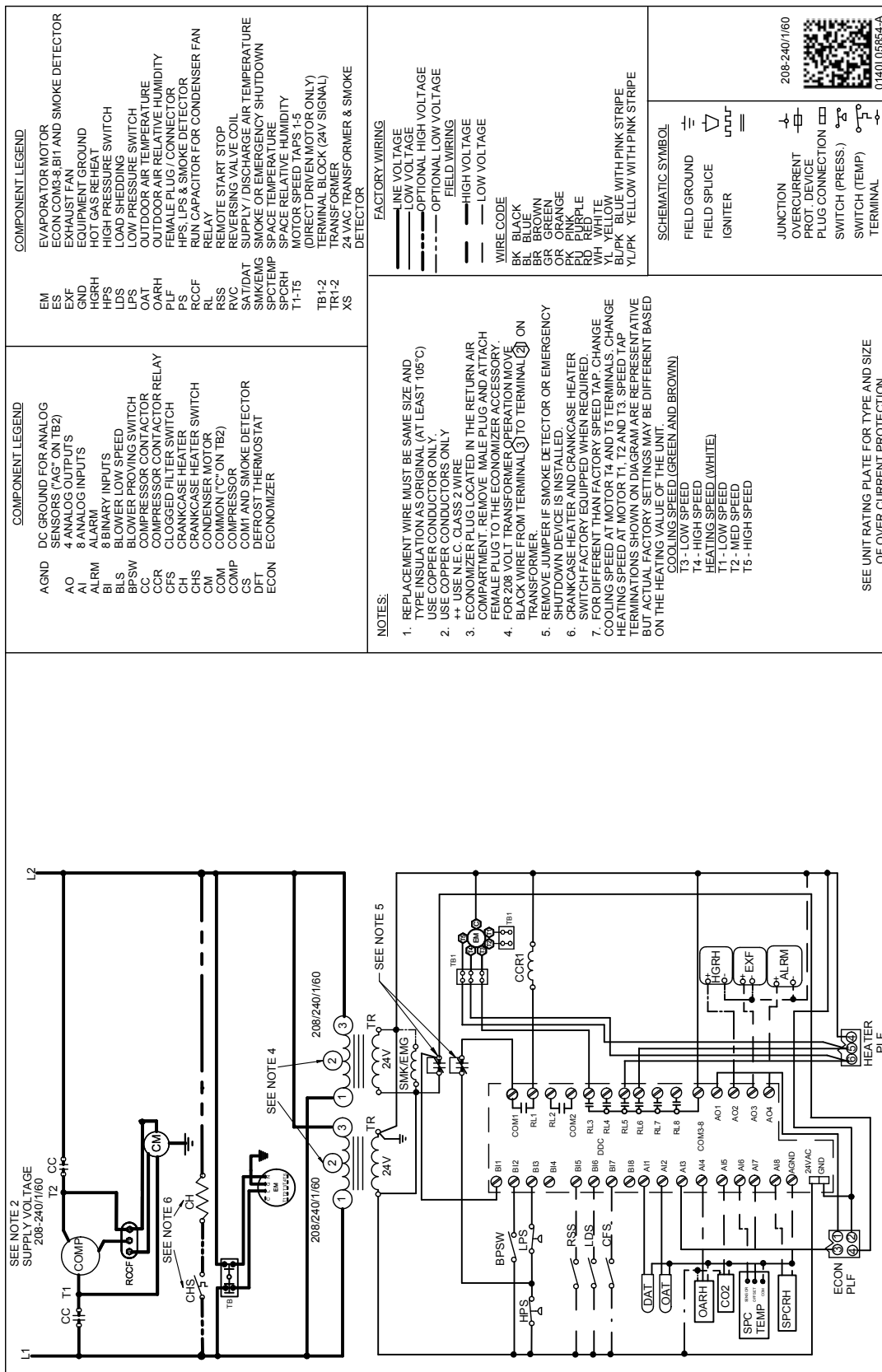
0140L05814-A

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



WARNING

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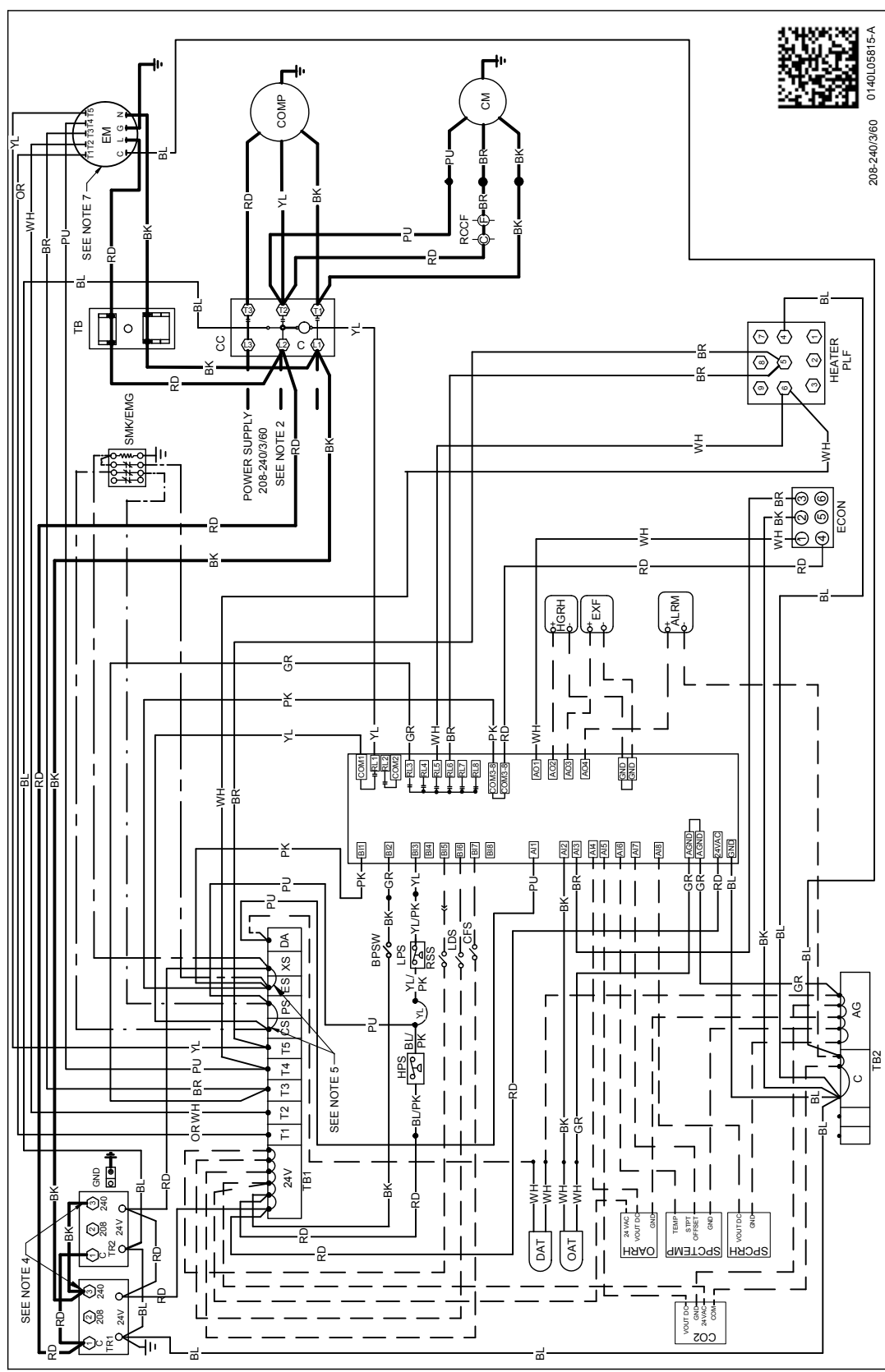


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



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.

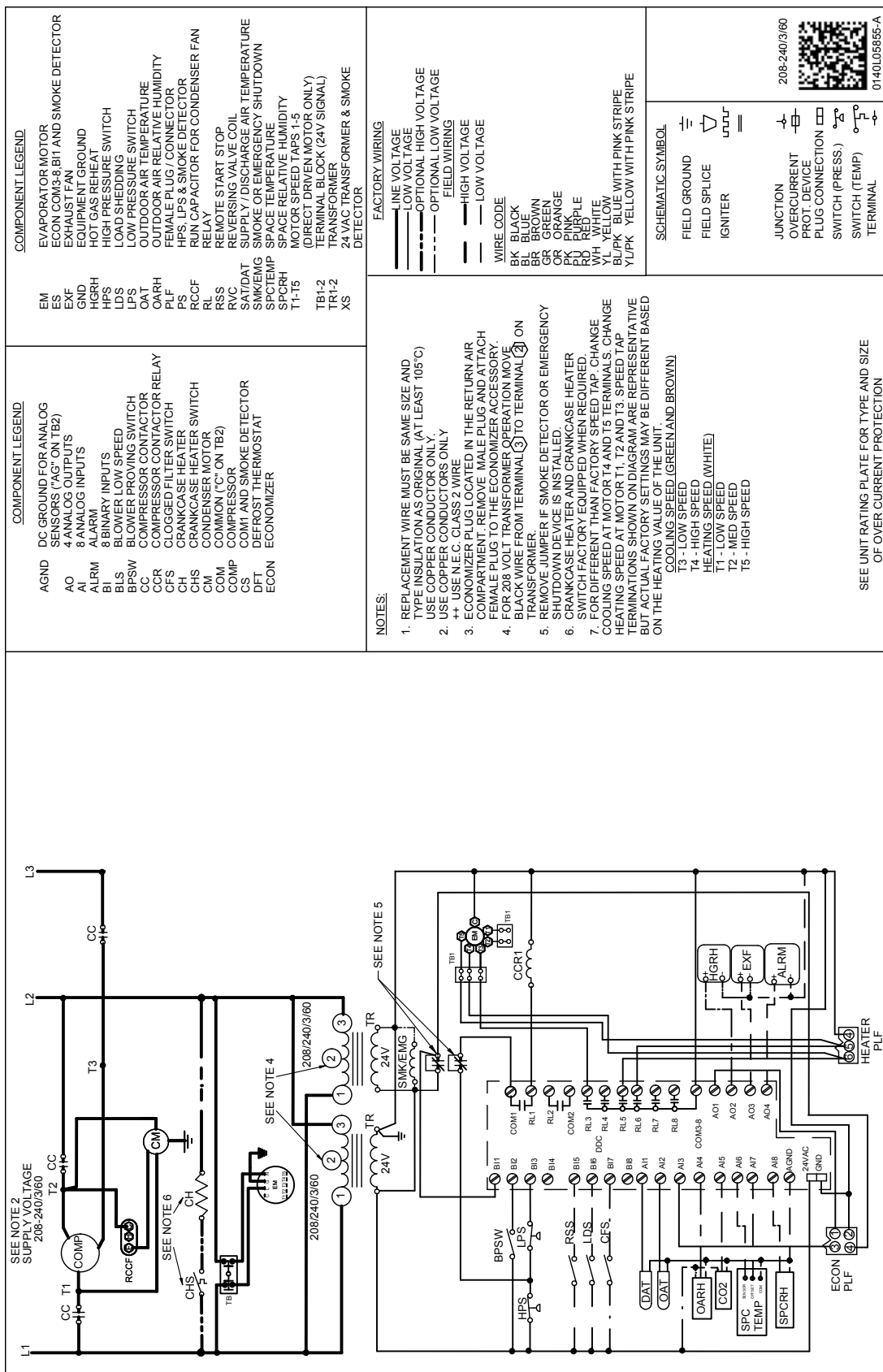


Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



WARNING

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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.

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
	Curb				
14CURB3672B	14" Roof Curb	3-5 tons	√		86
18CURB3672B	18" Roof Curb	3-5 tons	√		100
24CURB3672B	24" Roof Curb	3-5 tons	√		128
GHRC-3672B	Hurricane Restraint Clips	3-5 tons	√		2
	Ultra Low-Leak Economizer & Power Exhaust¹				
10-455-09A-23	Centrifugal Power Exhaust 230v	3-5 Tons	√		60
01-450-02	Barometric Relief Damper for Ultra Low-Leak Economizer	3-5 Tons	√		15
1036609C	Ultra Low-Leak Downflow Economizer w/ Enthalpy	3-5 Tons	√	√	71
10-396-09	Ultra Low-Leak Horizontal Economizer w/ Enthalpy	3-5 Tons	√		71
10-465-09B-21	Prop Power Exhaust 230v	3-5 Tons	√		55
	Low-Leak Economizer & Power Exhaust²				
DDNECNJ3672C	Low-Leak Downflow Economizer	3-5 tons	√	√	82
DPE36722	Downflow Power Exhaust (208/230 Volt)	3-5 tons	√		55
DHZEENJ3672	Horizontal Economizer	3-5 tons	√		70
DHPE36722	Horizontal Power Exhaust (208/230 Volt)	3-5 tons	√		55
	Downflow Accessories				
D25FD3672	25% Manual Fresh Air Damper	3-5 tons	√		12
D25MFD3672	25% Motorized Fresh Air Damper	3-5 tons	√		16
DNBBS3672B	Burglar Bar Sleeves with Supply & Return	3-5 tons	√		30
DDNECNJ3672NR	Downflow Economizer2 w/o Barometric Relief	3-5 tons	√		77
DDNSQRD3616	Downflow Square-to-Round Adapter (16" Round)	3 tons	√		45
DDNSQRD487218	Downflow Square-to-Round Adapter (18" Round)	4-5 tons	√		35
	Horizontal Accessories				
DBRD3672	Horizontal Barometric Relief Damper	3-5 tons	√		15
	Concentrics				
CDK36515	Concentric Duct Kit Flush Mount w/ Filter	3 tons	√		27
CDK36	Concentric Duct Kit	3 tons	√		27
CDK4872	Concentric Duct Kit	4-5 tons	√		27
	1 phase 208-230V Electric Heat Kits				
SPKT01	Single Point Wiring Kit 1phase Heat Kits	3-5 tons	√	√	
EHK1-10	10kw 208-230 1ph Electric Heat Kit	3-5 tons	√	√	21
EHK1-15	15kw 208-230 1ph Electric Heat Kit	3-5 tons	√	√	21
EHK1-18	18kw 208-230 1ph Electric Heat Kit	4 tons	√	√	21
EHK1-20	20kw 208-230 1ph Electric Heat Kit	5 tons	√	√	21
	3 phase 208-230V Electric Heat Kits				
SPKT02	Single Point Wiring Kit 3phase Heat Kits	3-5 tons	√	√	
EHK3-10	10kw 208-230 3ph Electric Heat Kit	3-5 tons	√	√	21

DAIKIN MASTER ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
EHK3-15	15kw 208-230 3ph Electric Heat Kit	3-5 tons	√	√	21
EHK3-18	18kw 208-230 3ph Electric Heat Kit	4 tons	√	√	21
EHK3-20	20kw 208-230 3ph Electric Heat Kit	5 tons	√	√	21
	DDC Accessories³				
	DDC communicating controller (built-in BACnet® MS/TP) includes Standard Room Sensor to be installed in field	3-5 tons		√	2
10366D09C	DDC Ultra Low-Leak Downflow Economizer	3-5 tons	√	√	71
10396D09	DDC Ultra Low-Leak Horizontal Economizer	3-5 tons	√		71
10465DDC	Power Exhaust kit used with DDC Ultra Low-Leak Economizer	3-5 tons	√		1
DLAKT01	Low-Ambient	3-5 tons	√	√	2
LONKT01	LonWorks® card	3-5 tons	√		1
3PMK01	Phase Monitor (3-Phase Only)	3-5 tons	√	√	2
DFSKT01	Dirty Filter Switch	3-5 tons	√		1
	Crankcase Heater Kits				
0163R00002S	40W 230V	3 tons	√		1
0130L00017S	70W 230V	4 - 5 tons	√		1
	High Efficiency Filters				
0160L00203	High Efficiency MERV 13 Air Filter Nom. Size: 24x24x2; (Order Qty 1)	3 tons	√		2
0160L00204	High Efficiency MERV 13 Air Filter Nom. Size: 14x20x2; (Order Qty 4)	4 tons	√		4
0160L00205	High Efficiency MERV 13 Air Filter Nom. Size: 16x20x2; (Order Qty 4)	5 tons	√		4
	Misc Accessories				
HAILGD03D	Condenser Coil Hail Guard	3-4 tons	√		19
HAILGD04D	Condenser Coil Hail Guard	5 tons	√		22
	Convenience Outlet: Non Powered	3-5 tons		√	2
	Convenience Outlet: Powered	3-5 tons		√	42
LAKT11	Low Ambient Kit, 208-230V - non-DDC	3-4 tons	√	√	14
LAKT12	Low Ambient Kit, 208-230V - non-DDC	5 tons	√	√	14
3PMNDK01	Phase Monitor (3-Phase Only) - Non DDC	3-5 tons	√	√	2
	Smoke Detector (supply and/or return air)	3-5 tons		√	11
	Hinged Panels	3-5 tons		√	10

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.