



Air Conditioning & Heating

DCC COMMERCIAL

7½- TO 10-TON THREE-PHASE PACKAGED AIR CONDITIONERS UP TO 11.3 EER

Cooling Capacity:
88,000 — 116,000 BTU/h

■ Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data	4
Airflow Data.....	10
Heat Kit Electrical Data	13
Dimensions	14
Wiring Diagrams	18
Accessories	20



■ Standard Features

- R-410A chlorine-free refrigerant
- High-efficiency scroll compressors
- Two-stage cooling
- Copper tube / aluminum fin coils
- Power block for field wiring
- High- and low-pressure switches
- 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

■ Cabinet Features

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

■ Accessories

- Downflow & Horizontal Economizers
- Electric Heat Kits
- High-Static Kits



NOMENCLATURE

	D	C	C	090	45	5	B	*	*	*	A	*
	1	2	3	4,5,6	7,8,9	10	11	12	13	14	15	16
Brand												Revision Levels
D Goodman												Major & Minor
Configuration												Factory-Installed Options
C Commercial												X No Options
Application												Factory-Installed Options
C Cooling												X Standard Aluminized Heat Exchanger
G Gas Heat												S Stainless-Steel Heat Exchanger
H Heat Pump												Factory-Installed Options
											X No Options	
Nominal Cooling Capacity												Supply Fan/Drive Type/Motor
036 3 Tons	102	8½ Tons										B Belt Drive
048 4 Tons	120	10 Tons										
060 5 Tons	180	15 Tons										
072 6 Tons	240	20 Tons										
090 7½ Tons												
Nominal Heating Capacity												Voltage
Gas/Electric												1 208-230/1/60
180 180,000 BTU/h												4 460/3/60
300 300,000 BTU/h												3 208-230/3/60
350 350,000 BTU/h												5 400/3/50
A/C H/P Factory-Installed Electric Heat												
180 180,000 BTU/h	XXX	No Heat	030	30 kW								
300 300,000 BTU/h	016	15 kW	045	44 kW								
350 350,000 BTU/h												
See product specifications for heat size(s) available for each capacity.												

PRODUCT SPECIFICATIONS

	DCC090 ***5B***A*	DCC102 ***5B***A*	DCC120 ***5B***A*
COOLING CAPACITY			
Total BTU/h	88,000	97,000	116,000
Sensible BTU/h	65,100	70,380	84,700
EER / IEER	11.3 / 11.5	11.3 / 11.4	11.3 / 11.5
Decibels	82	83	83
AHRI Reference #s	NA	NA	NA
EVAPORATOR MOTOR / COIL			
Motor Type	Belt Drive	Belt Drive	Belt Drive
Indoor Nominal CFM	3,000	3,400	4,000
Indoor Motor FLA (Cooling)	4.6	4.6	4.6
Horsepower / RPM	3.0 - 1,725	3.0 - 1,725	3.0 - 1,725
Piston Size (Cooling)	0.076	0.078	0.086
(#) Filter Size	(4) 16 x 20 x 2	(4) 16 x 24 x 2	(4) 16 x 24 x 2
Drain Size (NPT)	¾"	¾"	¾"
R-410A Refrigerant Charge Cir #1 & #2 (oz.)	93/93	115/115	115/115
Evaporator Coil Face Area (ft ²)	8.9	10.2	10.2
Rows Deep / Fins per Inch	4 / 16	4 / 14	4 / 14
BELT DRIVE EVAP FAN DATA			
# of Wheels (D x W)	1 (15" x 12")	(1) 15" x 15"	(1) 15" x 15"
Motor Sheave / Blower Sheave	VL40 / AK59	VL40 / AK59	VL40 / AK59
Belt	AX48	AX46	AX46
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	2	2	2
Horsepower - RPM	⅓ - 1,050	⅓ - 1,050	⅓ - 1,050
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3
Outdoor Nominal CFM	7,200	7,200	7,200
Face Area (ft ²)	28.8	35.2	35.2
Rows Deep / Fins per Inch	2 X2 / 27±1	2 X2 / 27±1	2 X2 / 27±1
COMPRESSOR			
Quantity / Type / Stage	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	6.3/55.0	7.8/52.0	10.9/64.0
ELECTRICAL DATA			
Voltage-Phase-Frequency	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50
Max External Static	1.0"	1.0"	1.0"
Outdoor Fan HP / RLA	⅓ / .85 (2)	⅓ / .85 (2)	⅓ / .85 (2)
Total Unit Amps	18.9	21.9	28.1
Min. Circuit Ampacity ¹	20.5	23.9	30.8
Max. Overcurrent Protection (amps) ²	25	30	40
Entrance Power Supply	Locating Dimple	Locating Dimple	Locating Dimple
Entrance Control Voltage			
OPERATING WEIGHT (LBS)	1010	1050	1050
SHIP WEIGHT (LBS)	1085	1125	1125

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.

COOLING DATA — 7½ TONS

IDB		OUTDOOR AMBIENT TEMPERATURE																									
		65				75				85				95				105				115					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
ENTERING INDOOR WET BULB TEMPERATURE		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	3375	MBh	86.2	89.4	97.9	-	84.2	87.3	95.6	-	82.2	85.2	93.4	-	80.2	83.1	91.1	-	76.2	79.0	86.5	-	70.6	73.2	80.2	-	
		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	-	
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	
		kW	6.12	6.24	6.42	-	6.56	6.69	6.89	-	6.94	7.08	7.30	-	7.28	7.43	7.66	-	7.57	7.73	7.97	-	7.82	7.99	8.24	-	
		Hi PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	422	454	480	-	
		Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-	
		MBh	83.7	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.7	-	77.9	80.7	88.4	-	74.0	76.7	84.0	-	68.5	71.0	77.8	-	
		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	-	
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
		kW	6.07	6.19	6.37	-	6.51	6.64	6.84	-	6.89	7.03	7.24	-	7.23	7.38	7.60	-	7.51	7.67	7.91	-	7.76	7.92	8.17	-	
	Hi PR	231	249	263	-	260	279	295	-	295	317.8	335.6	-	336	361.9	382.2	-	378	407.2	430.0	-	418	449.9	475.1	-		
	Lo PR	107	114	124	-	113	120	132	-	118	125	137	-	124	132	144	-	130	138	150	-	134	143	156	-		
2400		MBh	77	80	88	-	75	78	86	-	74	76	84	-	72	75	82	-	68	71	78	-	63	66	72	-	
		S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-	
		ΔT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	
		kW	5.94	6.06	6.23	-	6.36	6.49	6.68	-	6.73	6.87	7.08	-	7.06	7.20	7.42	-	7.34	7.49	7.72	-	7.58	7.73	7.98	-	
		Hi PR	224	242	255	-	252	271	286	-	286	308.3	325.5	-	326	351.1	370.7	-	367	395.0	417.1	-	406	436.4	460.8	-	
		Lo PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-	
	75	3375	MBh	88	90	98	105	86	88	95	102	84	86	93	100	82	84	91	98	77	80	86	93	72	74	80	85.9
			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
			ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
			kW	6.17	6.29	6.47	6.7	6.61	6.74	6.94	7.2	7.00	7.14	7.36	7.6	7.34	7.49	7.73	8.0	7.63	7.79	8.04	8.3	7.88	8.05	8.31	8.6
		Hi PR	236	254	268	280	265	285	301	314	301.3	324	342	357	343.2	369	390	407	386	415	439	458	427	459	485	506	
		Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	146	156	132	141	154	163	137	145	159	169	
		MBh	85	88	95	102	83	86	93	99	81	84	90	97	79	82	88	95	75	77	84	90	70	72	78	83.4	
		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	
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10	
		kW	6.12	6.24	6.42	6.6	6.56	6.69	6.89	7.1	6.94	7.09	7.30	7.5	7.28	7.43	7.66	7.9	7.57	7.73	7.97	8.2	7.82	7.99	8.24	8.5	
	Hi PR	234	252	266	277	262	282	298	311	298.3	321	339	354	339.8	366	386	403	382	411	434	453	422	454	480	501		
	Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167		
2400		MBh	79	81	88	94	77	79	86	92	75	77	84	90	73	75	81	87	69	72	77	83	64	66	72	76.9	
		S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39	
		ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11	
		kW	5.99	6.10	6.28	6.5	6.41	6.54	6.73	6.9	6.78	6.92	7.13	7.4	7.11	7.26	7.48	7.7	7.39	7.55	7.78	8.0	7.64	7.80	8.04	8.3	
		Hi PR	227	244	258	269	254	274	289	302	289.4	311	329	343	329.6	355	375	391	371	399	421	439	410	441	466	486	
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	153	162	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) Rating Conditions
 Design Superheat 7±2 °F, Design Subcooling 12±2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

COOLING DATA — 7½ TONS (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																							
		65				75				85				95				105				115			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
		ENTERING INDOOR WET BULB TEMPERATURE																							
3375	MBh	89.3	91.2	97.4	104.2	87.2	89.1	95.2	101.7	85.1	87.0	92.9	99.3	83.0	84.8	90.6	96.9	78.9	80.6	86.1	92.0	73.1	74.7	79.8	85.3
	S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	22	19	15	20	20	18	14
	kW	6.21	6.33	6.52	6.7	6.66	6.79	7.00	7.2	7.05	7.20	7.42	7.6	7.40	7.55	7.79	8.0	7.69	7.86	8.10	8.4	7.95	8.12	8.37	8.6
	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
Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
80	MBh	86.7	88.5	94.6	101.1	84.6	86.5	92.4	98.8	82.6	84.4	90.2	96.4	80.6	82.4	88.0	94.1	76.6	78.2	83.6	89.4	70.9	72.5	77.4	82.8
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
	ΔT	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	21	18	15
	kW	6.17	6.29	6.47	6.7	6.61	6.74	6.94	7.2	7.00	7.14	7.36	7.6	7.34	7.49	7.73	8.0	7.63	7.79	8.04	8.3	7.89	8.05	8.31	8.6
	Hi PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506
Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	
2400	MBh	80.0	81.7	87.3	93.3	78.1	79.8	85.3	91.2	76.3	77.9	83.3	89.0	74.4	76.0	81.2	86.8	70.7	72.2	77.2	82.5	65.5	66.9	71.5	76.4
	S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56
	ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16
	kW	6.03	6.15	6.33	6.5	6.46	6.59	6.78	7.0	6.84	6.97	7.19	7.4	7.17	7.32	7.54	7.8	7.45	7.61	7.85	8.1	7.70	7.86	8.11	8.4
	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
Lo PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	
3375	MBh	90.8	92.6	97.0	103.4	88.7	90.4	94.7	101.0	86.6	88.3	92.4	98.6	84.5	86.1	90.2	96.2	80.3	81.8	85.7	91.4	74.3	75.8	79.4	84.7
	S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	23	23	23	20	22	22	22	19	20	21	21	18
	kW	6.26	6.38	6.57	6.8	6.71	6.84	7.05	7.3	7.11	7.25	7.47	7.7	7.46	7.61	7.85	8.1	7.75	7.92	8.17	8.4	8.01	8.18	8.44	8.7
	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
Lo PR	112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173	
85	MBh	88.2	89.9	94.1	100.4	86.1	87.8	91.9	98.1	84.1	85.7	89.7	95.7	82.0	83.6	87.6	93.4	77.9	79.4	83.2	88.7	72.2	73.6	77.1	82.2
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	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
	ΔT	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	24	24	23	20	22	22	22	19
	kW	6.21	6.33	6.52	6.7	6.66	6.79	7.00	7.2	7.05	7.20	7.42	7.6	7.40	7.55	7.79	8.0	7.69	7.86	8.10	8.4	7.95	8.12	8.37	8.6
	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
Lo PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
2400	MBh	81.4	83.0	86.9	92.7	79.5	81.0	84.9	90.5	77.6	79.1	82.8	88.4	75.7	77.2	80.8	86.2	71.9	73.3	76.8	81.9	66.6	67.9	71.1	75.9
	S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
	ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	28	28	26	23	26	26	24	21
	kW	6.07	6.19	6.37	6.6	6.51	6.64	6.83	7.0	6.89	7.03	7.24	7.5	7.22	7.37	7.60	7.8	7.51	7.67	7.91	8.2	7.76	7.92	8.17	8.4
	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
Lo PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI Rating Conditions
 Design Superheat 74.2 °F, Design Subcooling 12.1 ± 2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

COOLING DATA — 8½ TONS

IDB	Airflow	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE																	
		65				75				85				95				105				115									
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71						
70	3825	MBh	95.1	98.5	107.9	-	92.8	96.2	105.4	-	90.6	93.9	102.9	-	88.4	91.6	100.4	-	84.0	87.1	95.4	-	84.0	87.1	95.4	-	77.8	80.6	88.4	-	
		S/T	0.77	0.64	0.44	-	0.80	0.67	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.88	0.73	0.51	-	0.88	0.73	0.51	-	0.88	0.74	0.51	-	
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	18	15	12	-	17	14	11	-	
	3400	kW	6.46	6.59	6.78	-	6.92	7.06	7.27	-	7.33	7.48	7.71	-	7.69	7.85	8.10	-	8.00	8.17	8.42	-	8.00	8.17	8.42	-	8.26	8.44	8.71	-	
		Amps	12.5	12.7	13.0	-	13.2	13.5	13.8	-	14.0	14.3	14.6	-	14.7	15.0	15.4	-	15.4	15.7	16.1	-	15.4	15.7	16.1	-	16.1	16.4	16.8	-	
		HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	411	434	-	382	411	434	-	422	454	480	-	
	2720	LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	131	139	152	-	135	144	157	-	
		MBh	92.3	95.6	104.8	-	90.1	93.4	102.4	-	88.0	91.2	99.9	-	85.8	89.0	97.5	-	81.6	84.5	92.6	-	81.6	84.5	92.6	-	75.5	78.3	85.8	-	
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	
	75	3825	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-
			kW	6.41	6.54	6.73	-	6.87	7.01	7.22	-	7.28	7.42	7.65	-	7.63	7.79	8.03	-	7.94	8.10	8.36	-	7.94	8.10	8.36	-	8.20	8.37	8.64	-
			Amps	12.5	12.7	12.9	-	13.1	13.4	13.7	-	13.9	14.2	14.5	-	14.6	14.9	15.3	-	15.3	15.6	16.0	-	15.3	15.6	16.0	-	16.0	16.3	16.7	-
2720		HI PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	378	407	430	-	418	450	475	-	
		LO PR	107	114	124	-	113	120	132	-	118	125	137	-	124	132	144	-	130	138	150	-	130	138	150	-	134	143	156	-	
		MBh	85.2	88.3	96.7	-	83.2	86.2	94.5	-	81.2	84.2	92.2	-	79.2	82.1	90.0	-	75.3	78.0	85.5	-	75.3	78.0	85.5	-	69.7	72.3	79.2	-	
75		3825	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-
			ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	20	18	13	-	19	17	13	-
			kW	6.27	6.39	6.58	-	6.71	6.85	7.05	-	7.11	7.25	7.47	-	7.45	7.61	7.84	-	7.75	7.91	8.16	-	7.75	7.91	8.16	-	8.00	8.17	8.43	-
		2720	Amps	12.2	12.4	12.7	-	12.9	13.1	13.4	-	13.7	13.9	14.2	-	14.3	14.6	15.0	-	15.0	15.3	15.7	-	15.0	15.3	15.7	-	15.7	16.0	16.4	-
			HI PR	224	242	255	-	252	271	286	-	286	308	326	-	326	351	371	-	367	395	417	-	367	395	417	-	406	436	461	-
			LO PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	126	134	146	-	130	138	151	-
	75	3825	MBh	96.7	99.5	107.7	115.6	94.4	97.2	105.2	112.9	92.2	94.9	102.7	110.2	89.9	92.6	100.2	107.6	85.4	88.0	95.2	102.2	85.4	88.0	95.2	102.2	79.1	81.5	88.2	94.6
			S/T	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.99	0.89	0.67	0.43	0.99	0.89	0.67	0.43	1.00	0.90	0.68	0.44
			ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	20	19	15	11	19	18	14	10
		2720	kW	6.51	6.64	6.83	7.04	6.98	7.12	7.33	7.56	7.39	7.54	7.77	8.02	7.75	7.92	8.16	8.42	8.06	8.23	8.49	8.77	8.06	8.23	8.49	8.77	8.33	8.51	8.78	9.06
			Amps	12.6	12.8	13.1	13.5	13.3	13.5	13.9	14.2	14.1	14.4	14.7	15.1	14.8	15.1	15.5	15.9	15.5	15.8	16.2	16.7	15.5	15.8	16.2	16.7	16.2	16.5	17.0	17.5
			HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	386	415	439	458	427	459	485	506
75		3825	LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	146	156	132	141	154	163	132	141	154	163	137	145	159	169
			MBh	93.8	96.6	104.6	112.3	91.7	94.4	102.2	109.6	89.5	92.1	99.7	107.0	87.3	89.9	97.3	104.4	82.9	85.4	92.4	99.2	82.9	85.4	92.4	99.2	76.8	79.1	85.6	91.9
			S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
		2720	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	21	20	16	11	20	18	15	10
			kW	6.46	6.59	6.78	6.99	6.92	7.06	7.28	7.50	7.33	7.48	7.71	7.95	7.69	7.85	8.10	8.36	8.00	8.17	8.43	8.70	8.00	8.17	8.43	8.70	8.27	8.44	8.71	8.99
			Amps	12.5	12.7	13.0	13.4	13.2	13.5	13.8	14.1	14.0	14.3	14.6	15.0	14.7	15.0	15.4	15.8	15.4	15.7	16.1	16.6	15.4	15.7	16.1	16.6	16.1	16.4	16.8	17.3
	75	2720	HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	382	411	434	453	422	454	480	501
			LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	131	139	152	162	135	144	157	167
			MBh	86.6	89.2	96.5	103.6	84.6	87.1	94.3	101.2	82.6	85.0	92.0	98.8	80.6	83.0	89.8	96.4	76.5	78.8	85.3	91.6	76.5	78.8	85.3	91.6	70.9	73.0	79.0	84.8
		2720	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40	0.92	0.83	0.62	0.40
			ΔT	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	12	24	22	18	12	22	20	17	12
			kW	6.32	6.44	6.63	6.83	6.77	6.90	7.11	7.33	7.16	7.31	7.53	7.77	7.51	7.67	7.91	8.15	7.81	7.97	8.22	8.49	7.81	7.97	8.22	8.49	8.07	8.24	8.50	8.77
2720		Amps	12.3	12.5	12.8	13.1	13.0	13.2	13.5	13.9	13.8	14.0	14.3	14.7	14.4	14.7	15.1	15.5	15.1	15.4	15.8	16.2	15.1	15.4	15.8	16.2	15.8	16.1	16.5	17.0	
		HI PR	227	244	258	269	254	274	289	302	289	311	329	343	330	355	375	391	371	399	421	439	371	399	421	439	410	441	466	486	
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	127	135	147	157	131	140	153	162	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) Rating Conditions
 Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp + evaporator + condenser fan motors)

COOLING DATA — 8½ TONS (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE													
		65				75				85				95				105				115					
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	3825	MBh	98.4	100.5	107.4	114.8	96.1	98.2	104.9	112.1	93.8	95.9	102.4	109.5	91.5	93.5	99.9	106.8	86.9	88.8	94.9	101.5	80.5	82.3	87.9	94.0	
		S/T	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63	
		ΔT	23	22	19	15	23	22	19	15	22	22	19	15	22	22	22	15	15	21	21	19	15	19	20	18	14
	3400	kW	6.56	6.69	6.88	7.09	7.03	7.17	7.39	7.62	7.45	7.60	7.83	8.08	7.81	7.98	8.23	8.49	8.13	8.30	8.56	8.84	8.40	8.58	8.85	9.14	
		Amps	12.7	12.9	13.2	13.5	13.4	13.6	14.0	14.3	14.2	14.5	14.8	15.2	14.9	15.2	15.6	16.0	15.6	15.9	16.3	16.8	16.4	16.7	17.1	17.6	
		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	
	2720	LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
		MBh	95.5	97.6	104.3	111.5	93.3	95.3	101.9	108.9	91.1	93.1	99.4	106.3	88.9	90.8	97.0	103.7	84.4	86.3	92.2	98.5	78.2	79.9	85.4	91.2	
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.98	0.79	0.59	1.00	0.98	0.80	0.60	
	85	3825	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	18	15
			kW	6.51	6.64	6.83	7.04	6.98	7.12	7.33	7.56	7.39	7.54	7.77	8.02	7.75	7.92	8.16	8.42	8.06	8.23	8.49	8.77	8.33	8.51	8.78	9.06
			Amps	12.6	12.8	13.1	13.5	13.3	13.5	13.9	14.2	14.1	14.4	14.7	15.1	14.8	15.1	15.5	15.9	15.5	15.8	16.2	16.7	16.2	16.5	17.0	17.5
2720		HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506	
		LO PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169	
		MBh	88.2	90.1	96.2	102.9	86.1	88.0	94.0	100.5	84.1	85.9	91.8	98.1	82.0	83.8	89.5	95.7	77.9	79.6	85.1	90.9	72.2	73.7	78.8	84.2	
3825		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.01	0.95	0.77	0.58	
		ΔT	26	25	22	17	27	25	22	18	27	25	22	18	27	26	22	18	26	25	22	18	25	24	21	16	
		kW	6.36	6.49	6.68	6.88	6.82	6.95	7.16	7.38	7.22	7.37	7.59	7.83	7.57	7.73	7.97	8.22	7.87	8.04	8.29	8.55	8.13	8.30	8.57	8.84	
3400		Amps	12.4	12.6	12.9	13.2	13.1	13.3	13.6	14.0	13.9	14.1	14.4	14.8	14.5	14.8	15.2	15.6	15.2	15.5	15.9	16.3	15.9	16.2	16.6	17.1	
		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	
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	
85	3825	MBh	100.1	102.0	106.9	114.0	97.8	99.7	104.4	111.4	95.4	97.3	101.9	108.7	93.1	94.9	99.4	106.1	88.5	90.2	94.4	100.8	81.9	83.5	87.5	93.3	
		S/T	1.00	0.97	0.87	0.71	1.00	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	
		ΔT	24	24	22	19	24	24	23	20	23	23	20	20	22	23	23	20	21	22	23	20	20	20	20	21	18
	3400	kW	6.60	6.74	6.94	7.15	7.08	7.23	7.45	7.68	7.50	7.66	7.90	8.15	7.88	8.04	8.29	8.56	8.19	8.37	8.63	8.91	8.47	8.65	8.92	9.21	
		Amps	12.8	13.0	13.3	13.6	13.5	13.7	14.0	14.4	14.3	14.6	14.9	15.3	15.0	15.3	15.7	16.1	15.8	16.1	16.5	16.9	16.5	16.8	17.2	17.7	
		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	
	2720	LO PR	112	119	130	138	118	125	137	146	122	130	142	152	129	137	149	159	135	143	157	167	139	148	162	173	
		MBh	97.2	99.1	103.8	110.7	94.9	96.8	101.3	108.1	92.7	94.5	98.9	105.5	90.4	92.2	96.5	103.0	85.9	87.5	91.7	97.8	79.6	81.1	84.9	90.6	
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	
	85	3825	ΔT	25	25	23	20	25	25	24	21	25	25	24	21	24	25	24	21	23	24	24	20	22	22	22	19
			kW	6.56	6.69	6.88	7.09	7.03	7.17	7.39	7.62	7.45	7.60	7.83	8.08	7.81	7.98	8.23	8.49	8.13	8.30	8.56	8.84	8.40	8.58	8.85	9.14
			Amps	12.7	12.9	13.2	13.5	13.4	13.6	14.0	14.3	14.2	14.5	14.8	15.2	14.9	15.2	15.6	16.0	15.6	15.9	16.3	16.8	16.4	16.7	17.1	17.6
3400		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	
		LO PR	110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171	
		MBh	89.7	91.4	95.8	102.2	87.6	89.3	93.5	99.8	85.5	87.2	91.3	97.4	83.4	85.1	89.1	95.0	79.3	80.8	84.6	90.3	73.4	74.9	78.4	83.6	
2720		S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75	
		ΔT	28	28	26	23	28	28	26	23	28	28	26	23	28	28	27	23	27	27	26	23	25	25	24	21	
		kW	6.41	6.54	6.73	6.93	6.87	7.01	7.22	7.44	7.27	7.42	7.65	7.89	7.63	7.79	8.03	8.29	7.93	8.10	8.36	8.62	8.20	8.37	8.64	8.91	
2720		Amps	12.5	12.7	12.9	13.3	13.1	13.4	13.7	14.0	13.9	14.2	14.5	14.9	14.6	14.9	15.3	15.7	15.3	15.6	16.0	16.5	16.0	16.3	16.7	17.2	
		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	
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI Rating Conditions
 Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp + evaporator + condenser fan motors)

COOLING DATA — 10 TONS

IDB		OUTDOOR AMBIENT TEMPERATURE																															
		65				75				85				95				105				115											
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
		ENTERING INDOOR WET BULB TEMPERATURE																															
70	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				
	MBh	114	118	129	-	111	115	126	-	108	112	123	-	106	110	120	-	100	104	114	-	100	104	114	-	93	96	106	-				
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-				
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-				
	kW	8.22	8.37	8.60	-	8.77	8.94	9.19	-	9.25	9.43	9.70	-	9.68	9.87	10.16	-	10.04	10.24	10.55	-	10.04	10.24	10.55	-	10.36	10.56	10.88	-				
3938	HI PR	247	266	281	-	277	298	315	-	315	339	358	-	359	386	408	-	404	435	459	-	404	435	459	-	446	480	507	-				
	Lo PR	105	111	122	-	111	118	128	-	115	122	134	-	121	128	140	-	127	135	147	-	127	135	147	-	131	139	152	-				
	MBh	110	114	125	-	108	112	122	-	105	109	119	-	103	106	117	-	98	101	111	-	98	101	111	-	90	94	103	-				
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-				
	ΔT	20.27	17.55	13.32	-	20.52	17.76	13.48	-	20.54	17.78	13.50	-	20.69	17.91	13.59	-	20.40	17.66	13.40	-	20.40	17.66	13.40	-	19.05	16.49	12.52	-				
2800	kW	8.2	8.3	8.5	-	8.7	8.9	9.1	-	9.2	9.4	9.6	-	9.6	9.8	10.1	-	10.0	10.2	10.5	-	10.0	10.2	10.5	-	10.3	10.5	10.8	-				
	HI PR	245	263	278	-	274	295	312	-	312	336	355	-	355	383	404	-	400	430	454	-	400	430	454	-	442	476	502	-				
	Lo PR	104	110	120	-	110	117	127	-	114	121	132	-	120	127	139	-	125	133	146	-	125	133	146	-	130	138	151	-				
	MBh	102	106	116	-	99	103	113	-	97	101	110	-	95	98	108	-	90	93	102	-	90	93	102	-	83	86	95	-				
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-				
75	ΔT	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	21	18	14	-
	kW	8	8	8	-	9	9	9	-	9	9	9	-	9	10	10	-	9	10	10	-	10	10	10	-	10	10	11	-				
	HI PR	237	255	270	-	266	286	302	-	303	326	344	-	345	371	392	-	388	417	441	-	388	417	441	-	429	461	487	-				
	Lo PR	101	107	117	-	106	113	123	-	110	117	128	-	116	123	135	-	122	129	141	-	122	129	141	-	126	134	146	-				
	MBh	116	119	129	138	113	116	126	135	110	113	123	132	108	111	120	129	102	105	114	122	102	105	114	122	95	97	105	113				
3938	S/T	0.83	0.75	0.56	0.4	0.86	0.77	0.58	0.4	0.89	0.79	0.60	0.4	0.91	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.95	0.85	0.64	0.4	0.96	0.86	0.65	0.4				
	ΔT	22.5	20.7	17.0	11.7	22.8	21.0	17.2	11.9	22.8	21.0	17.2	11.9	23.0	21.1	17.3	12.0	22.6	20.8	17.1	11.8	22.6	20.8	17.1	11.8	21.1	19.5	15.9	11.0				
	kW	8.3	8.4	8.7	8.9	8.8	9.0	9.3	9.5	9.3	9.5	9.8	10.1	9.8	9.9	10.2	10.5	10.1	10.3	10.6	10.9	10.1	10.3	10.6	10.9	10.4	10.6	11.0	11.3				
	HI PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	408	439	464	484	451	485	512	534				
	Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	128	136	148	158	132	141	154	164				
3500	MBh	112	116	125	134	110	113	122	131	107	110	119	128	104	107	116	125	99	102	111	119	99	102	111	119	92	95	102	110				
	S/T	0.79	0.71	0.54	0.3	0.82	0.74	0.56	0.4	0.84	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.90	0.81	0.61	0.4	0.90	0.81	0.61	0.4	0.91	0.82	0.62	0.4				
	ΔT	23.4	21.6	17.7	12.2	23.7	21.8	17.9	12.4	23.7	21.9	17.9	12.4	23.9	22.0	18.0	12.5	23.6	21.7	17.8	12.3	23.6	21.7	17.8	12.3	22.0	20.3	16.6	11.5				
	kW	8.2	8.4	8.6	8.8	8.8	8.9	9.2	9.5	9.3	9.4	9.7	10.0	9.7	9.9	10.2	10.5	10.0	10.2	10.5	10.9	10.0	10.2	10.5	10.9	10.4	10.6	10.9	11.2				
	HI PR	247	266	281	293	277	298	315	329	315	339	358	374	359	386	408	426	404	435	459	479	404	435	459	479	446	480	507	529				
2800	Lo PR	105	111	122	130	111	118	128	137	115	122	134	142	121	128	140	149	127	135	147	157	127	135	147	157	131	139	152	162				
	MBh	104	107	115	124	101	104	113	121	99	102	110	118	96	99	107	115	92	94	102	109	92	94	102	109	85	87	95	101				
	S/T	0.77	0.69	0.52	0.3	0.79	0.71	0.54	0.3	0.81	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.87	0.78	0.59	0.4	0.87	0.78	0.59	0.4	0.88	0.79	0.60	0.4				
	ΔT	26.1	24.0	19.7	13.6	26.4	24.3	19.9	13.7	26.4	24.3	19.9	13.8	26.6	24.5	20.1	13.9	26.2	24.2	19.8	13.7	26.2	24.2	19.8	13.7	24.5	22.6	18.5	12.8				
	kW	8.1	8.2	8.4	8.7	8.6	8.7	9.0	9.2	9.1	9.2	9.5	9.8	9.5	9.7	9.9	10.2	9.8	10.0	10.3	10.6	9.8	10.0	10.3	10.6	10.1	10.3	10.6	11.0				
HI PR	240	258	272	284	269	289	306	319	306	329	348	362	348	375	396	413	392	422	445	464	392	422	445	464	433	466	492	513					
Lo PR	102	108	118	126	107	114	125	133	112	119	130	138	117	125	136	145	123	131	143	152	123	131	143	152	127	135	148	157					

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) Rating Conditions
 Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp. + evaporator + condenser fan motors)

COOLING DATA — 10 TONS (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																											
		65				75				85				95				105				115							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
		ENTERING INDOOR WET BULB TEMPERATURE																											
3938	AIRFLOW	118	120	128	137	115	117	125	134	112	115	122	131	109	112	119	128	104	106	114	121	104	106	114	121	96	98	105	112
	S/T	0.91	0.86	0.70	0.5	0.95	0.89	0.72	0.5	1.00	0.91	0.74	0.6	1.00	0.94	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.80	0.6
80	ΔT	25.1	24.1	20.9	16.7	25.4	24.4	21.2	16.9	26.2	24.4	21.2	16.9	25.6	24.6	21.4	17.1	24.3	24.8	21.1	16.8	22.5	23.0	19.7	15.7	22.5	23.0	19.7	15.7
	kW	8.34	8.49	8.73	9.0	8.90	9.07	9.32	9.6	9.39	9.57	9.85	10.1	9.83	10.02	10.31	10.6	10.20	10.40	10.71	11.0	10.52	10.73	11.05	11.4	10.52	10.73	11.05	11.4
80	Hi PR	252	271	286	299	283	304	321	335	322	346	366	381	366	394	416	434	412	444	468	489	455	490	517	540	455	490	517	540
	Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165	134	142	155	165
80	MBh	114	117	125	133	112	114	122	130	109	111	119	127	106	109	116	124	101	103	110	118	94	96	102	109	94	96	102	109
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57
80	ΔT	26.16	25.07	21.80	17.4	26.48	25.38	22.07	17.6	26.51	25.40	22.09	17.6	26.69	25.58	22.24	17.8	26.32	25.22	21.93	17.5	24.56	23.56	20.49	16.4	24.56	23.56	20.49	16.4
	kW	8.3	8.4	8.7	8.9	8.8	9.0	9.3	9.5	9.3	9.5	9.8	10.1	9.8	9.9	10.2	10.5	10.1	10.3	10.6	11.0	10.4	10.6	11.0	11.3	10.4	10.6	11.0	11.3
2800	Hi PR	250	269	284	296	280	301	318	332	318	343	362	377	363	390	412	430	408	439	464	484	451	485	512	534	451	485	512	534
	Lo PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	149	158	132	141	154	164	132	141	154	164
80	MBh	105	108	115	123	103	105	112	120	101	103	110	117	98	100	107	114	93	95	102	109	86	88	94	101	86	88	94	101
	S/T	0.84	0.79	0.64	0.5	0.87	0.82	0.67	0.5	0.89	0.84	0.68	0.5	0.92	0.86	0.70	0.5	0.96	0.90	0.73	0.5	0.97	0.91	0.74	0.6	0.97	0.91	0.74	0.6
2800	ΔT	29	28	24	19.4	29	28	25	19.6	29	28	25	19.6	30	28	25	19.8	29	28	24	19.5	27	26	23	18.2	27	26	23	18.2
	kW	8.1	8.3	8.5	8.7	8.6	8.8	9.1	9.3	9.1	9.3	9.6	9.8	9.5	9.7	10.0	10.3	9.9	10.1	10.4	10.7	10.2	10.4	10.7	11.0	10.2	10.4	10.7	11.0
80	Hi PR	242	261	275	287	272	292	309	322	309	332	351	366	352	379	400	417	396	426	450	469	437	471	497	518	437	471	497	518
	Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159	128	136	149	159
3938	MBh	120	122	128	136	117	119	125	133	114	116	122	130	111	114	119	127	106	108	113	120	98	100	105	112	98	100	105	112
	S/T	0.96	0.92	0.83	0.7	0.99	0.96	0.86	0.7	1.00	0.98	0.89	0.7	1.00	1.00	0.92	0.7	1.00	1.00	0.95	0.8	1.00	1.00	0.96	0.8	1.00	1.00	0.96	0.8
85	ΔT	26.8	26.3	24.9	21.6	27.1	26.7	25.2	21.8	26.7	26.7	25.2	21.8	26.0	26.5	25.4	22.0	24.7	25.2	25.1	21.7	22.9	23.3	23.4	20.3	22.9	23.3	23.4	20.3
	kW	8.40	8.55	8.79	9.0	8.96	9.13	9.39	9.7	9.46	9.64	9.92	10.2	9.90	10.09	10.39	10.7	10.27	10.48	10.79	11.1	10.59	10.81	11.13	11.5	10.59	10.81	11.13	11.5
85	Hi PR	255	274	289	302	286	307	325	339	325	350	369	385	370	398	420	439	416	448	473	493	460	495	523	545	460	495	523	545
	Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	151	161	135	144	157	167	135	144	157	167
85	MBh	116	118	124	132	114	116	121	129	111	113	118	126	108	110	115	123	103	105	110	117	95	97	102	108	95	97	102	108
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
85	ΔT	27.90	27.44	25.94	22.5	28.24	27.78	26.26	22.7	28.27	27.81	26.28	22.8	28.40	28.00	26.47	22.9	26.98	27.50	26.10	22.6	24.99	25.47	24.38	21.1	24.99	25.47	24.38	21.1
	kW	8.3	8.5	8.7	9.0	8.9	9.1	9.3	9.6	9.4	9.6	9.8	10.1	9.8	10.0	10.3	10.6	10.2	10.4	10.7	11.0	10.5	10.7	11.0	11.4	10.5	10.7	11.0	11.4
85	Hi PR	252	271	286	299	283	304	321	335	322	346	366	381	366	394	416	434	412	444	468	489	455	490	517	540	455	490	517	540
	Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165	134	142	155	165
85	MBh	107	109	115	122	105	107	112	119	102	104	109	116	100	102	107	114	95	97	101	108	88	90	94	100	88	90	94	100
	S/T	0.88	0.85	0.77	0.6	0.91	0.88	0.80	0.6	0.94	0.90	0.82	0.7	0.97	0.93	0.84	0.7	1.00	0.97	0.87	0.7	1.00	0.98	0.88	0.7	1.00	0.98	0.88	0.7
2800	ΔT	31.0	30.5	28.9	25.0	31.4	30.9	29.2	25.3	31.5	30.9	29.2	25.3	31.7	31.2	29.4	25.5	31.1	30.7	29.0	25.1	28.8	28.7	27.1	23.5	28.8	28.7	27.1	23.5
	kW	8.2	8.3	8.5	8.8	8.7	8.9	9.1	9.4	9.2	9.4	9.6	9.9	9.6	9.8	10.1	10.4	10.0	10.2	10.5	10.8	10.3	10.5	10.8	11.1	10.3	10.5	10.8	11.1
85	Hi PR	244	263	278	290	274	295	312	325	312	336	355	370	355	382	404	421	400	430	454	474	442	475	502	524	442	475	502	524
	Lo PR	104	110	120	128	109	116	127	135	114	121	132	141	120	127	139	148	125	133	145	155	130	138	150	160	130	138	150	160

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI Rating Conditions
 Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

AIRFLOW DATA — 7½ TONS

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3434	745	0.96	3264	701	0.79
0.3	---	---	---	---	---	---	---	---	---	3424	800	1.05	3165	747	0.90	2921	704	0.79
0.5	---	---	---	---	---	---	3496	850	1.14	3102	803	0.92	2785	749	0.83	2545	706	0.66
0.7	---	---	---	3397	900	1.32	3158	851	1.06	2735	805	0.82	2345	753	0.73	---	---	---
0.9	3440	946	1.44	3079	901	1.16	2778	855	1.01	---	---	---	---	---	---	---	---	---
1.1	3122	948	1.27	2745	906	1.07	2382	857	0.86	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	---	---	---	3446	902	1.26	3098	849	1.11
0.9	---	---	---	---	---	---	---	---	---	---	---	---	3110	905	1.17	2745	851	0.96
1.1	---	---	---	---	---	---	---	---	---	3200	963	1.37	2769	909	1.09	---	---	---
1.3	---	---	---	---	---	---	3256	1017	1.66	2889	964	1.31	---	---	---	---	---	---
1.5	---	---	---	3443	1087	1.91	2923	1022	1.47	---	---	---	---	---	---	---	---	---
1.7	3586	1129	2.18	3038	1081	1.62	2509	1029	1.28	---	---	---	---	---	---	---	---	---
1.9	3221	1137	1.87	2588	1073	1.50	---	---	---	---	---	---	---	---	---	---	---	---
2.1	2827	1144	1.71	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	3481	747	0.95	3240	698	0.78
0.3	---	---	---	---	---	---	---	---	---	3498	795	1.09	3197	748	0.88	2889	702	0.71
0.5	---	---	---	---	---	---	3414	844	1.22	3091	796	0.91	2837	749	0.79	2491	701	0.59
0.7	3720	935	1.58	3414	889	1.35	3060	845	1.14	2715	800	0.85	---	---	---	---	---	---
0.9	3351	940	1.45	3066	894	1.18	2688	847	0.99	---	---	---	---	---	---	---	---	---
1.1	3114	942	1.34	2677	896	1.05	---	---	---	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	---	---	---	3428	900	1.25	3045	846	1.06
0.9	---	---	---	---	---	---	---	---	---	3521	958	1.49	3084	905	1.14	2679	850	0.95
1.1	---	---	---	---	---	---	---	---	---	3181	964	1.31	2756	908	1.06	---	---	---
1.3	---	---	---	---	---	---	3358	1020	1.59	2885	967	1.22	---	---	---	---	---	---
1.5	---	---	---	3470	1075	1.81	2950	1024	1.40	2452	972	1.13	---	---	---	---	---	---
1.7	3465	1130	2.11	3065	1080	1.67	2492	1030	1.25	---	---	---	---	---	---	---	---	---
1.9	3147	1136	1.89	2706	1087	1.53	---	---	---	---	---	---	---	---	---	---	---	---
2.1	2719	1142	1.70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES

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

AIRFLOW DATA — 8½ TONS

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	4190	792	1.29	3862	743	1.02	3546	695	0.86
0.3	---	---	---	---	---	---	4141	839	1.41	3850	794	1.19	3540	747	1.00	3152	699	0.81
0.5	---	---	---	4057	883	1.46	3759	843	1.27	3471	798	1.12	3175	747	0.91	2692	700	0.67
0.7	4120	934	1.61	3775	894	1.41	3415	846	1.14	3097	800	0.99	2652	752	0.70	---	---	---
0.9	3780	938	1.49	3338	894	1.27	3030	850	1.04	2497	805	0.82	---	---	---	---	---	---
1.1	3311	942	1.36	2904	899	1.06	2375	855	0.87	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	4157	938	1.73	3462	854	1.24	3338	832	1.15
0.9	---	---	---	---	---	---	4160	969	1.89	3865	941	1.60	3237	873	1.17	2855	838	0.96
1.1	---	---	---	---	---	---	3882	985	1.79	3480	949	1.47	2849	886	1.09	---	---	---
1.3	---	---	---	4082	1053	2.15	3495	999	1.55	3097	957	1.32	---	---	---	---	---	---
1.5	4188	1108	2.38	3760	1061	1.87	3108	1010	1.41	---	---	---	---	---	---	---	---	---
1.7	3884	1117	2.15	3371	1070	1.66	---	---	---	---	---	---	---	---	---	---	---	---
1.9	3499	1126	1.98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3818	698	1.02
0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3450	701	0.84
0.5	---	---	---	---	---	---	---	---	---	3801	795	1.20	3563	773	1.04	3012	704	0.81
0.7	---	---	---	---	---	---	3760	844	1.27	3355	799	1.05	3099	774	0.98	---	---	---
0.9	---	---	---	3724	891	1.44	3350	846	1.17	2707	801	0.90	2497	778	0.78	---	---	---
1.1	3795	947	1.50	3205	897	1.25	2673	851	0.98	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3679	830	1.20
0.9	---	---	---	---	---	---	---	---	---	---	---	---	3784	894	1.35	3265	836	1.12
1.1	---	---	---	---	---	---	---	---	---	3833	952	1.59	3247	900	1.23	2742	843	0.94
1.3	---	---	---	---	---	---	3943	1007	1.88	3361	957	1.45	2867	905	1.08	---	---	---
1.5	---	---	---	---	---	---	3522	1012	1.73	2928	962	1.33	---	---	---	---	---	---
1.7	---	---	---	3638	1469	1.99	3018	1020	1.47	---	---	---	---	---	---	---	---	---
1.9	3725	1118	2.24	3018	1078	1.66	---	---	---	---	---	---	---	---	---	---	---	---
2.1	3326	1126	2.04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES

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

AIRFLOW DATA — 10 TONS

STANDARD BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	4190	792	1.29	3862	743	1.02	3546	695	0.86
0.3	---	---	---	---	---	---	4141	839	1.41	3850	794	1.19	3540	747	1.00	3152	699	0.81
0.5	---	---	---	4057	883	1.46	3759	843	1.27	3471	798	1.12	3175	747	0.91	2692	700	0.67
0.7	4120	934	1.61	3775	894	1.41	3415	846	1.14	3097	800	0.99	2652	752	0.70	---	---	---
0.9	3780	938	1.49	3338	894	1.27	3030	850	1.04	2497	805	0.82	---	---	---	---	---	---
1.1	3311	942	1.36	2904	899	1.06	2375	855	0.87	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — HORIZONTAL

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	4157	938	1.73	3462	854	1.24	3338	832	1.15
0.9	---	---	---	---	---	---	4160	969	1.89	3865	941	1.60	3237	873	1.17	2855	838	0.96
1.1	---	---	---	---	---	---	3882	985	1.79	3480	949	1.47	2849	886	1.09	---	---	---
1.3	---	---	---	4082	1053	2.15	3495	999	1.55	3097	957	1.32	---	---	---	---	---	---
1.5	4188	1108	2.38	3760	1061	1.87	3108	1010	1.41	---	---	---	---	---	---	---	---	---
1.7	3884	1117	2.15	3371	1070	1.66	---	---	---	---	---	---	---	---	---	---	---	---
1.9	3499	1126	1.98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

STANDARD BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3818	698	1.02
0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3450	701	0.84
0.5	---	---	---	---	---	---	---	---	---	3801	795	1.20	3563	773	1.04	3012	704	0.81
0.7	---	---	---	---	---	---	3760	844	1.27	3355	799	1.05	3099	774	0.98	---	---	---
0.9	---	---	---	3724	891	1.44	3350	846	1.17	2707	801	0.90	2497	778	0.78	---	---	---
1.1	3795	947	1.50	3205	897	1.25	2673	851	0.98	---	---	---	---	---	---	---	---	---
1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

HIGH-STATIC BELT DRIVE — DOWN SHOT

ESP (" W.C.)	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3679	830	1.20
0.9	---	---	---	---	---	---	---	---	---	---	---	---	3784	894	1.35	3265	836	1.12
1.1	---	---	---	---	---	---	---	---	---	3833	952	1.59	3247	900	1.23	2742	843	0.94
1.3	---	---	---	---	---	---	3943	1007	1.88	3361	957	1.45	2867	905	1.08	---	---	---
1.5	---	---	---	---	---	---	3522	1012	1.73	2928	962	1.33	---	---	---	---	---	---
1.7	---	---	---	3638	1469	1.99	3018	1020	1.47	---	---	---	---	---	---	---	---	---
1.9	3725	1118	2.24	3018	1078	1.66	---	---	---	---	---	---	---	---	---	---	---	---
2.1	3326	1126	2.04	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES

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

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	MCA ¹ AT 400V	MOP ² (AMPS) AT 400V	ACTUAL KW AT 400V	RECOMMENDED AIRFLOW RANGE
DCC090***5B***	20.5	25	---	---
EHK4-30	43.2	45	21	3000 - 3375 CFM
DCC102***5B***	23.9	30	---	---
EHK7-30	43.2	45	21	3000 - 3375 CFM
DCC120***5B***	30.8	40	---	---
EHK7-30	43.2	45	21	3000 - 3375 CFM

¹ Minimum Circuit Ampacity

² Maximum Overcurrent Protection device

MINIMUM AIRFLOW FOR ELECTRIC HEAT

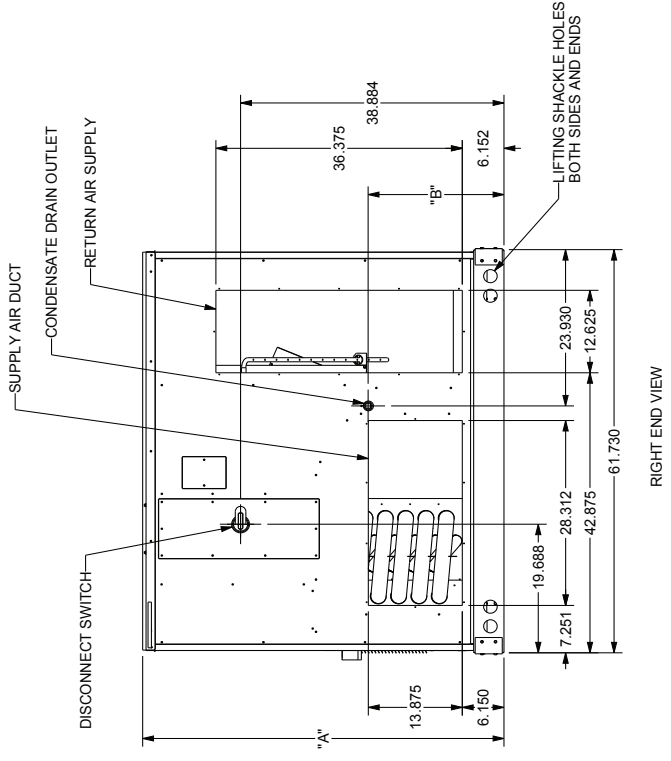
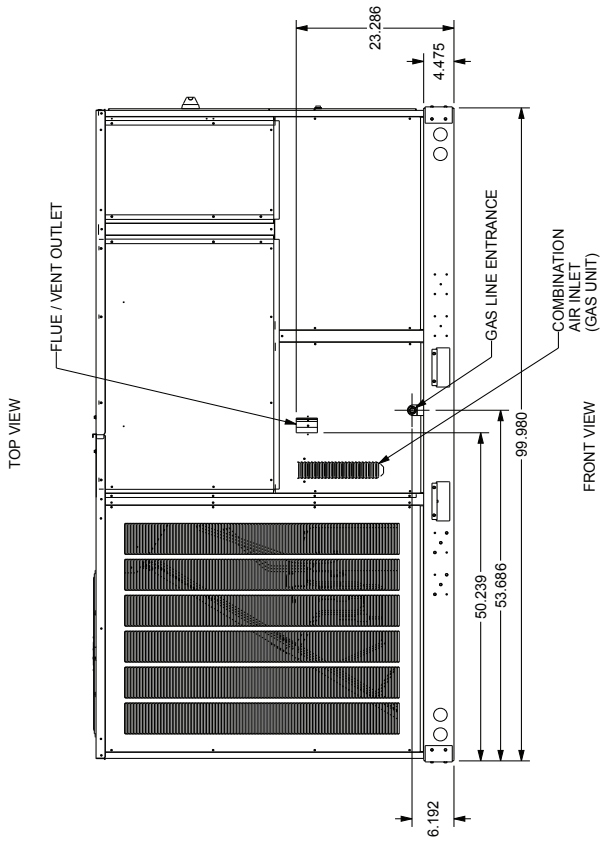
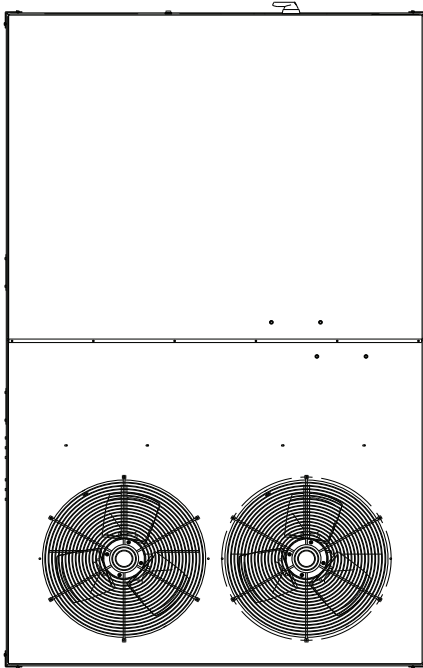
KW CORRECTION FACTOR FOR 400V UNITS		
ACTUAL VOLTAGE	390	380
CORRECTION FACTOR	0.95	0.91

HEATER SIZE	MINIMUM CFM
30 kW	3,000

For other voltage use $\text{voltage}^2 / 400^2$

DIMENSIONS

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

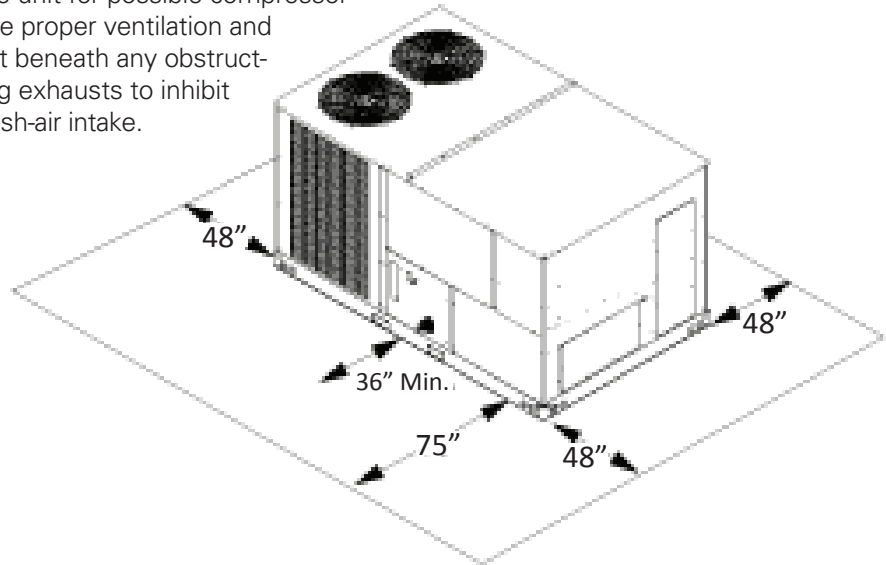


DC*090-150***
7.5 THRU 12.5 TON COMMERCIAL

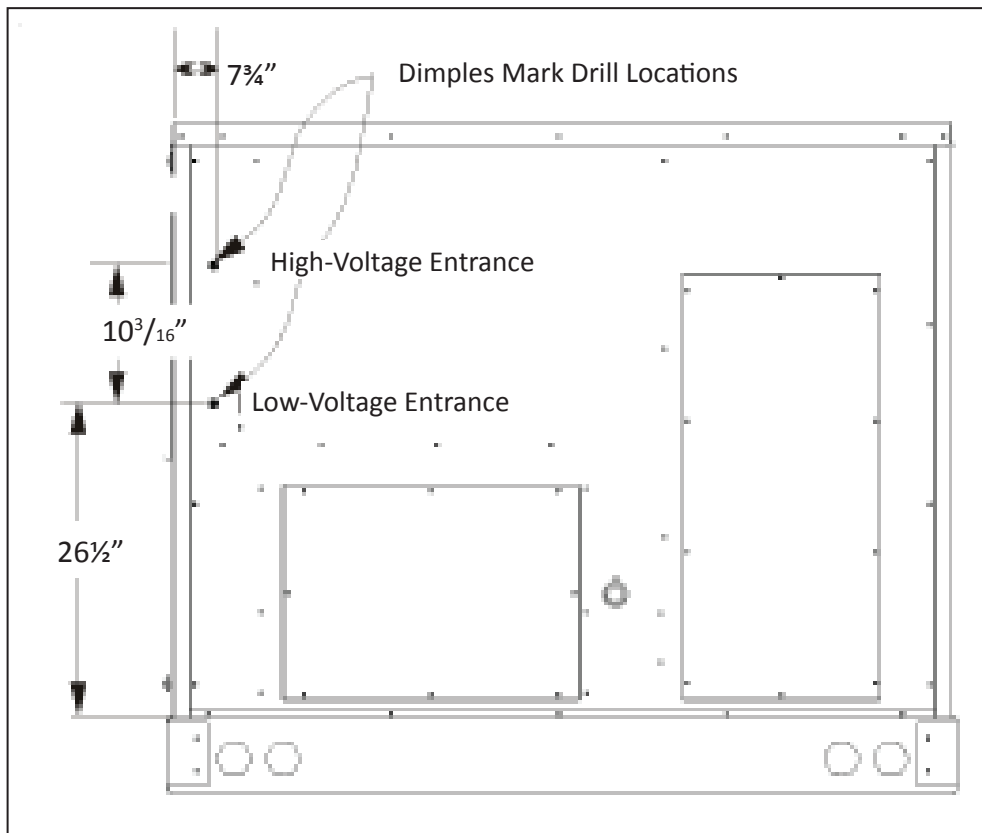
ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

UNIT CLEARANCES

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other 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



ROOF CURB INSTALLATION — RIGGING

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

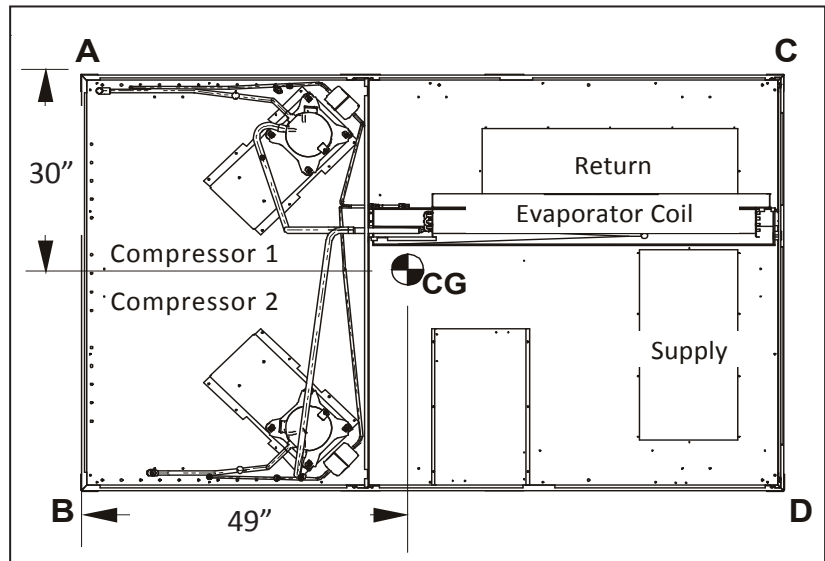
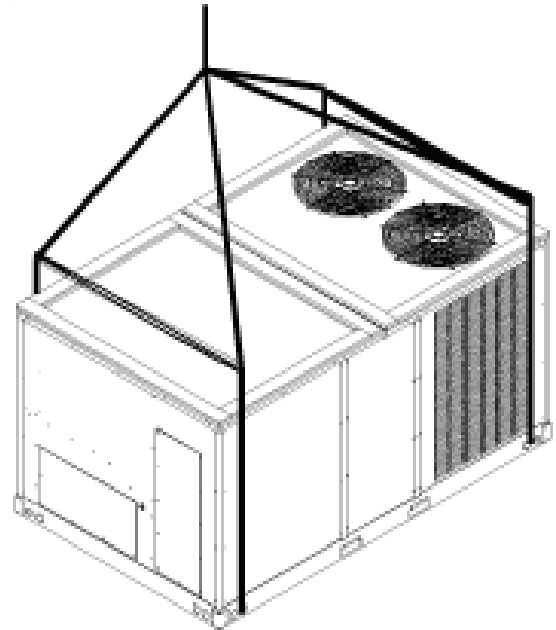
- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60”.
- Two spreader bars must span over the unit to prevent damage to the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

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

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

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

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



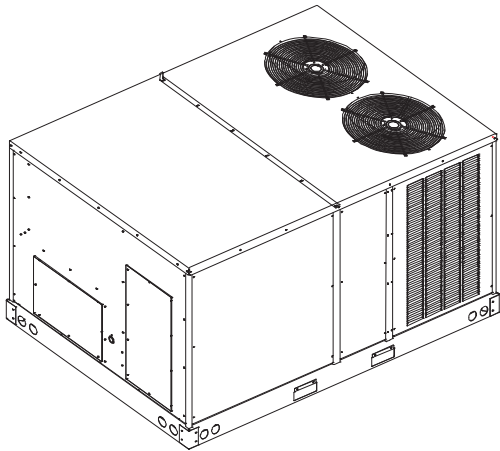
CORNER & CENTER-OF-GRAVITY LOCATIONS

UNIT WEIGHTS	7½-TON WEIGHTS (LBS)	8½-TON & 10-TON WEIGHTS (LBS)
Weight A	313	310
Weight B	248	263
Weight C	250	258
Weight D	199	219
Shipping Weight	1085	1125
Operating Weight	1010	1050

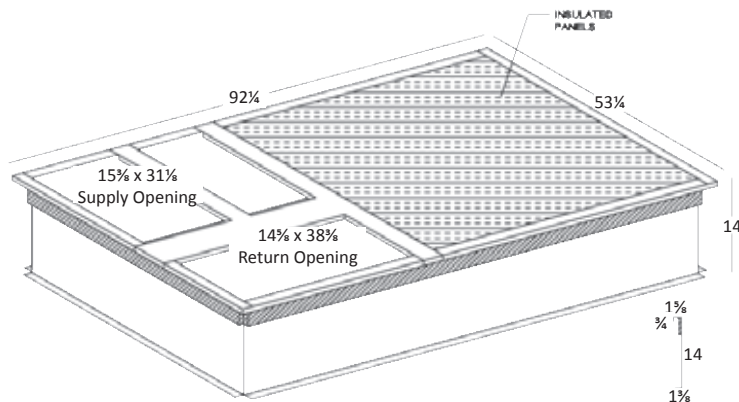
To assist in determining rigging requirements, unit weights are shown to the right.

Note: These weights are calculated without accessories installed.

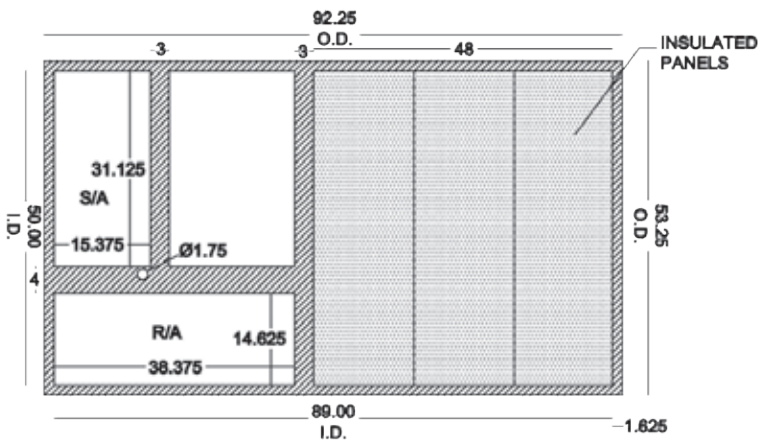
ROOF CURB INSTALLATION (CONT.)



3-D VIEW



TOP VIEW



Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association. Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

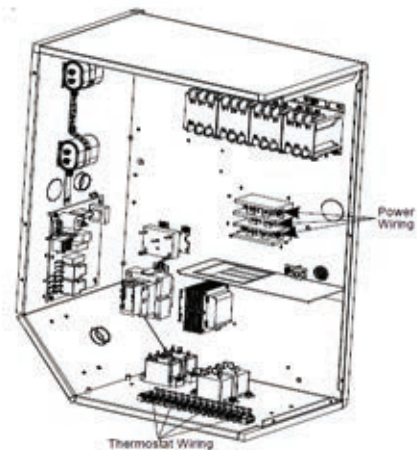
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory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

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.

- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

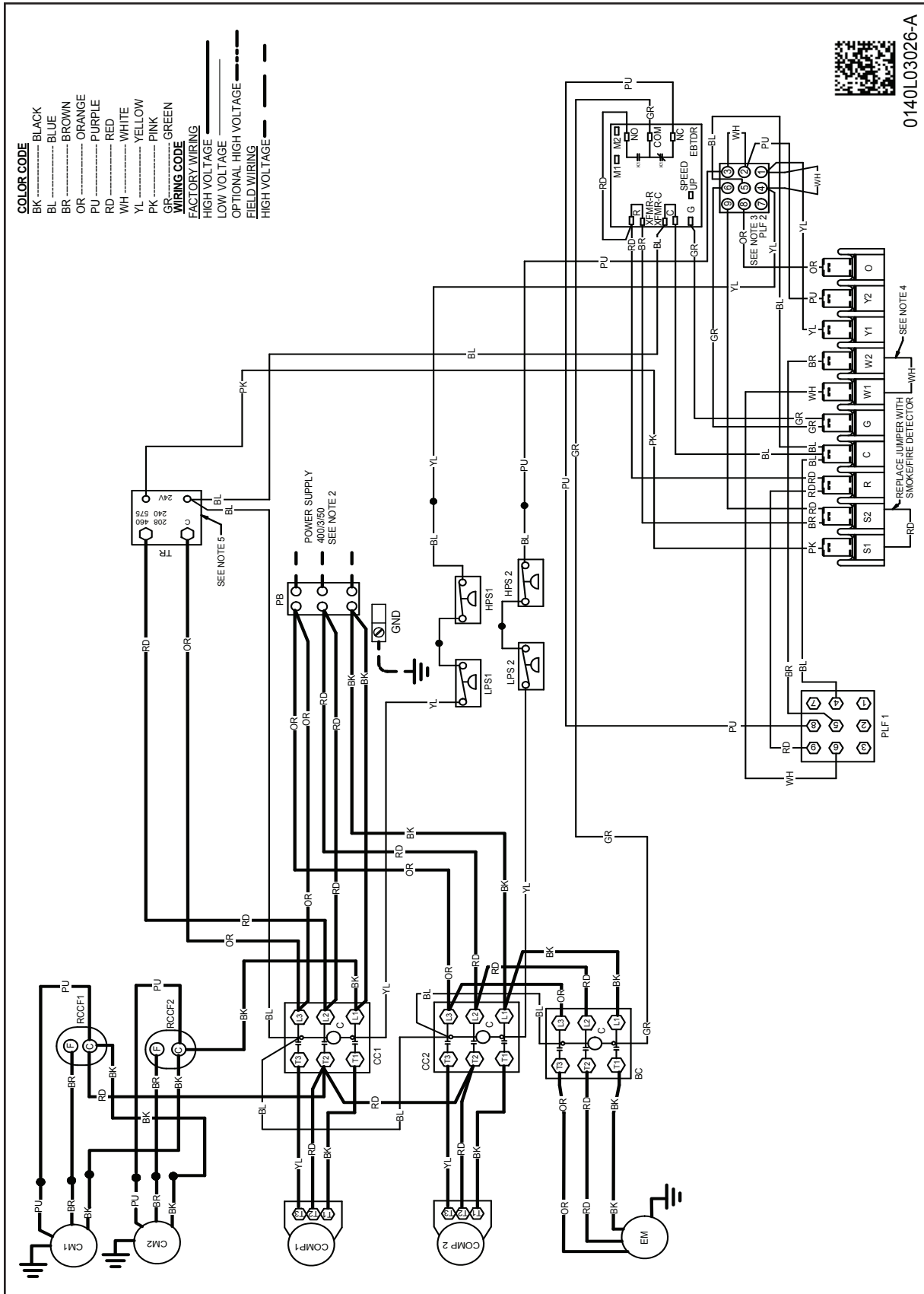
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

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



POWER AND LOW-VOLTAGE BLOCK LOCATIONS

DCC 7½-10 TONS (400V/50Hz THREE-PHASE BELT DRIVE)

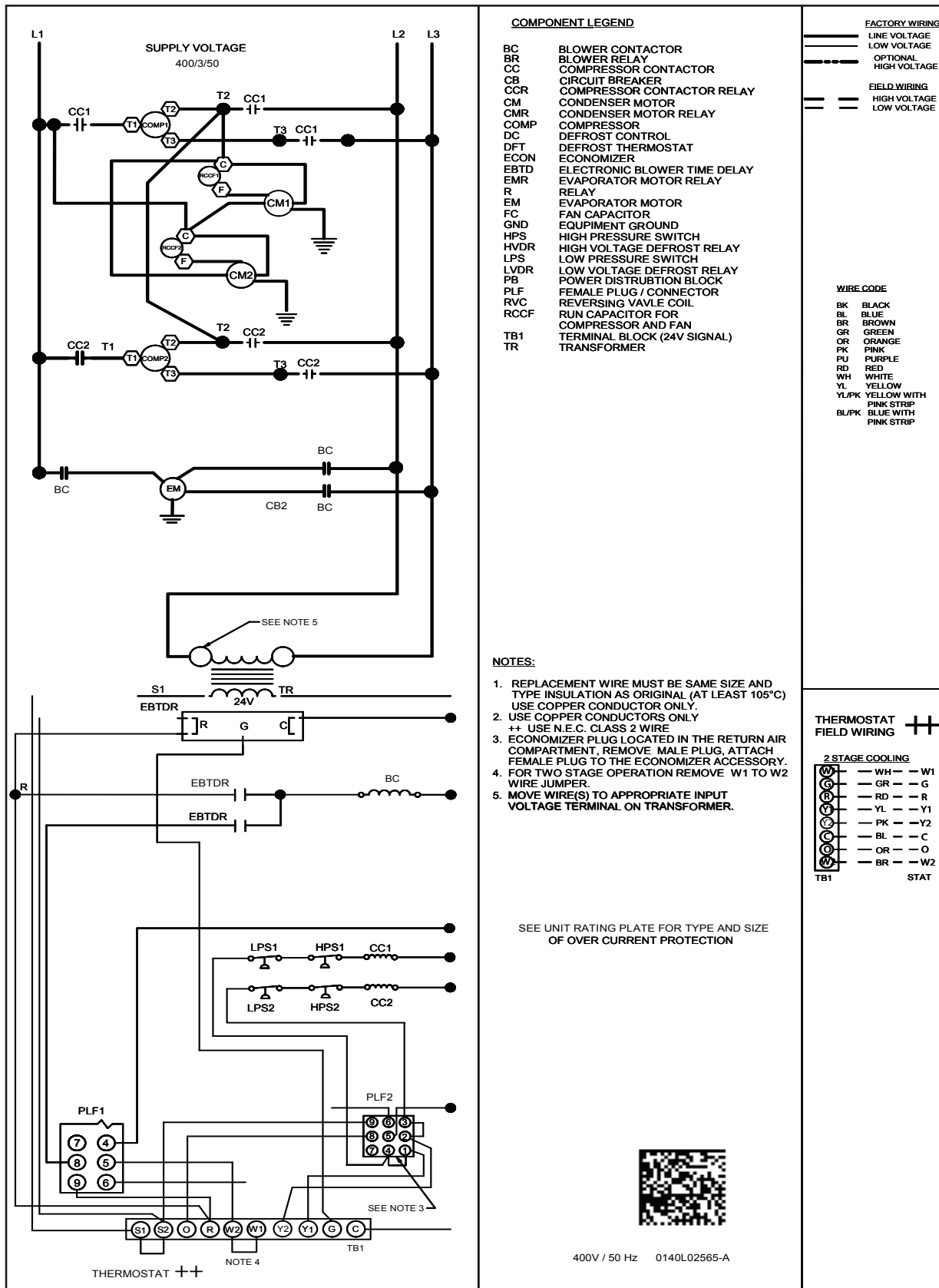


WARNING

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 or the unit for the most up-to-date wiring.

DCC 7½-10 TONS (400V/50Hz THREE-PHASE BELT DRIVE)



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 or the unit for the most up-to-date wiring.

ACCESSORIES

FILED-INSTALLED ITEM #	DESCRIPTION	FITS MODEL SIZES
DDNECNJ90150	Downflow Economizer	7½-10 tons
DHZECNJ90150	Horizontal Economizer	7½-10 tons
	Electric Heat Kits	All Models
HSKT090	High-Static Kit	7½ tons
HSKT120	High-Static Kit	10 tons