



Air Conditioning & Heating

PRODUCT SPECIFICATIONS



THREE-PHASE

5-TON SELF-CONTAINED PACKAGED GAS/ELECTRIC UNITS

2.9 EER / 80% AFUE

COOLING CAPACITY: 55,300 BTU/H [16.2 kW]

HEATING CAPACITY: 133,000 BTU/H [39 kW]



* Full warranty details available at www.goodmanmfg.com.

CPG COMMERCIAL

The Goodman® brand CPG Commercial Packaged Gas/Electric Unit features the chlorine-free refrigerant R-410A. Other features include our patented TuffTube™ dual-diameter tubular heat exchanger and a high-efficiency scroll compressor. These units are housed in a heavy-gauge, galvanized-steel cabinet with UV-resistant power-paint finish.

Standard Features

- R-410A chlorine-free refrigerant
- TuffTube™ tubular heat exchanger
- High-efficiency scroll compressor
- Copper tube / aluminum fin coils
- Contactor with lugs
- High-capacity, steel-cased filter dryer
- 24-volt terminal strip
- Convertible
- Easy to service
- Built-in filter rack with standard 2" filters
- Bottom utility entry

Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full Perimeter Rail
- Curb Fit

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NOMENCLATURE

	C	P	G	240	140	3	B	X	X	X	
	1	2	3	4,5,6	7,8,9	10	11	12	13	14	
Brand											Factory-Installed Special Features
C Commercial											X No Features
Configuration											Special Treatment
P Packaged Multi-Position											X No Treatment / Standard Aluminized Heat Exchanger (AH)
											S Stainless Steel Heat Exchanger
Application											Economizer Options (Factory Installed)
C Cooling											X No Economizer
G Gas Heat											
H Heat Pump											
Nominal Gross Cooling Capacity											Supply Fan/Drive Type/Motor
060 5 Tons [16.2 kW]											B Belt Drive
											D Direct Drive
Heating Capacity											Voltage
Gas Heat (CPG)											1 208V 1-Phase
140 133,000 BTU/h [39 kW]											2 220/240V 1-Phase 50 Hz
											3 208V 3-Phase
											4 460V 3-Phase
											5 380/415V 3-Phase 50 Hz
											7 575V 3-Phase

PRODUCT SPECIFICATIONS

CPG060 1405B***A	
COOLING CAPACITY	
Total BTU/h [KW]	55,300 [16.2]
Sensible BTU/h [KW]	47,000 [13.7]
Net EER	2.90
Decibels	82.0
Eurovent Reference No.	RS 6/C/007 - 2009
GAS HEATING CAPACITY	
Max. Input / Output kBTU/h [KW]	133/106.4 [39/31.18]
Steady State Efficiency (AFUE)	80
Temperature Rise Range °F [°C]	35-65 [2-18]
No. of Burners	6
EVAPORATOR MOTOR / COIL	
Motor Type	Belt
Indoor Nominal CFM [Cubic Meters/Hr]	2000 [3400]
Cooling Piston Size [mm]	0.086 [2.2]
Filter Size (#) [mm]	14x20x2 (4) [356x508x51]
Drain Size (NPT)	¾" [19mm]
R-410A Refrigerant Charge, oz. [Kgs]	155 [4.4]
Face Area, ft² [m²]	7.8 [0.72]
Rows Deep/ Fins per Inch [FPM]	4 / 16 [630]
Tube Diameter [mm] - Material	5/16 [8] - Copper
BELT DRIVE EVAP FAN DATA	
# of Wheels (D x W) [mm]	1(11"x10") [279x254]
Motor Sheave / Blower Sheave	1VM50 x ¾" [2.2cm]
Blower Sheave	AK61 x 1" [2.54cm]
CONDENSER FAN / COIL	
Horsepower [KW] / RPM	1/4 [0.18] / 1050
Fan Diameter/ # Fan Blades	22" [56cm] / 4
Outdoor Nominal CFM [Cubic Meters/Hr]	3600 [6116]
Face Area, ft² [m²]	17 [1.58]
Rows Deep/ Fins per Inch [FPM]	2 / 18 [709]
Tube Diameter [mm] - Material	5/16 [8] - Copper
COMPRESSOR	
Quantity / Stage / Type	1 / 1 / Scroll
Compressor RLA / LRA	10.9 / 64
ELECTRICAL DATA	
Voltage-Phase-Frequency	380-3-50
Indoor Blower HP [KW] / FLA (STD Static)	1.5 [1.1] / 2.9
Indoor Blower LRA	17.9
Max External Static [mbar]	1 [2.5]
Outdoor Fan HP [KW] / FLA	1/4 [0.18] / 1.10
Min. Circuit Ampacity ¹	16.1
Max. Overcurrent Protection (amps) ²	25
Power Supply Conduit Hole [mm]	1.97"/2.56" [50/65]
Low-Voltage Conduit Hole [mm]	½" [13]
OPERATING WEIGHT, LBS [KGS]	640 [290]
SHIP WEIGHT, LBS [KGS]	665 [302]

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.

EXPANDED COOLING DATA (ENGLISH UNITS)

IDB	AIRFLOW	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
70	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	-
	S/T	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.84	0.70	0.48	-	0.85	0.71	0.49	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	kW	4.34	4.43	4.56	-	4.65	4.75	4.89	-	4.93	5.03	5.18	-	5.17	5.28	5.44	-	5.38	5.49	5.66	-	5.55	5.67	5.85	-
	Amps	8.2	8.3	8.5	-	8.7	8.9	9.1	-	9.3	9.4	9.7	-	9.8	9.9	10.2	-	10.3	10.5	10.7	-	10.7	11.0	11.3	-
	HI PR	232	250	264	-	260	280	296	-	296	319	337	-	337	363	383	-	380	409	431	-	419	451	477	-
	LO PR	110	117	128	-	116	124	135	-	121	129	140	-	127	135	147	-	133	142	155	-	138	146	160	-
	MBh	57.4	59.5	65.2	-	56.1	58.1	63.7	-	54.7	56.7	62.1	-	53.4	55.3	60.6	-	50.7	52.6	57.6	-	47.0	48.7	53.3	-
	S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
	kW	4.31	4.40	4.53	-	4.62	4.71	4.85	-	4.89	4.99	5.14	-	5.13	5.24	5.40	-	5.34	5.45	5.62	-	5.51	5.63	5.81	-
	Amps	8.1	8.3	8.5	-	8.6	8.8	9.0	-	9.2	9.4	9.6	-	9.7	9.9	10.1	-	10.2	10.4	10.7	-	10.7	10.9	11.2	-
HI PR	230	247	261	-	258	278	293	-	293	316	333	-	334	360	380	-	376	404	427	-	415	447	472	-	
LO PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-	
MBh	53.0	54.9	60.2	-	51.7	53.6	58.8	-	50.5	52.3	57.4	-	49.3	51.1	56.0	-	46.8	48.5	53.2	-	43.4	44.9	49.2	-	
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	0.64	0.45	-	0.78	0.65	0.45	-	
ΔT	21	18	14	-	21	19	14	-	21	19	14	-	22	19	14	-	21	18	14	-	20	17	13	-	
kW	4.22	4.30	4.42	-	4.52	4.61	4.74	-	4.78	4.88	5.02	-	5.01	5.11	5.27	-	5.21	5.32	5.48	-	5.38	5.49	5.67	-	
Amps	8.0	8.1	8.3	-	8.5	8.6	8.8	-	9.0	9.2	9.4	-	9.5	9.7	9.9	-	10.0	10.1	10.4	-	10.4	10.6	10.9	-	
HI PR	223	240	253	-	250	269	284	-	285	306	323	-	324	349	368	-	365	392	414	-	403	433	458	-	
LO PR	106	112	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-	

75	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
	S/T	0.84	0.75	0.57	0.36	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	0.41	0.96	0.86	0.65	0.42
	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	4.38	4.46	4.59	4.73	4.69	4.79	4.93	5.08	4.97	5.07	5.23	5.39	5.21	5.32	5.49	5.66	5.42	5.53	5.71	5.89	5.60	5.72	5.90	6.09
	Amps	8.3	8.4	8.6	8.9	8.8	8.9	9.1	9.4	9.3	9.5	9.8	10.0	9.8	10.0	10.3	10.6	10.3	10.5	10.8	11.2	10.8	11.0	11.3	11.7
	HI PR	235	252	267	278	263	283	299	312	299	322	340	355	341	367	387	404	383	413	436	455	424	456	481	502
	LO PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	161	172
	MBh	58.4	60.1	65.0	69.8	57.0	58.7	63.5	68.2	55.6	57.3	62.0	66.6	54.3	55.9	60.5	64.9	51.6	53.1	57.5	61.7	47.8	49.2	53.2	57.1
	S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	12	21	19	16	11
	kW	4.34	4.43	4.56	4.70	4.66	4.75	4.89	5.04	4.93	5.03	5.18	5.35	5.17	5.28	5.44	5.62	5.38	5.49	5.66	5.84	5.56	5.67	5.85	6.04
	Amps	8.2	8.3	8.5	8.8	8.7	8.9	9.1	9.3	9.3	9.4	9.7	10.0	9.8	10.0	10.2	10.5	10.3	10.5	10.7	11.1	10.7	11.0	11.3	11.6
HI PR	232	250	264	275	261	280	296	309	296	319	337	351	338	363	384	400	380	409	431	450	420	451	477	497	
LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	146	160	170	
MBh	53.9	55.5	60.0	64.4	52.6	54.2	58.6	62.9	51.4	52.9	57.2	61.4	50.1	51.6	55.8	59.9	47.6	49.0	53.1	56.9	44.1	45.4	49.1	52.7	
S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.88	0.79	0.60	0.38	
ΔT	24	22	18	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	23	21	17	12	
kW	4.25	4.33	4.46	4.59	4.55	4.64	4.78	4.93	4.82	4.91	5.06	5.22	5.05	5.16	5.31	5.48	5.25	5.36	5.53	5.70	5.42	5.54	5.71	5.89	
Amps	8.0	8.2	8.4	8.6	8.5	8.7	8.9	9.1	9.1	9.2	9.5	9.8	9.5	9.7	10.0	10.3	10.0	10.2	10.5	10.8	10.5	10.7	11.0	11.3	
HI PR	225	242	256	267	253	272	287	300	287	309	327	341	327	352	372	388	368	396	419	437	407	438	462	482	
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	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area is ACCA (TVA) conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA (ENGLISH UNITS)

IDB	AIRFLOW	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		
80	2194	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	0.92	0.86	0.70	0.52	1.00	0.89	0.73	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15	
	1950	kW	4.41	4.50	4.63	4.77	4.73	4.82	4.97	5.12	5.01	5.11	5.27	5.43	5.25	5.36	5.53	5.71	5.46	5.58	5.75	5.94	5.64	5.77	5.95	6.14	
		Amps	8.3	8.5	8.7	8.9	8.8	9.0	9.2	9.5	9.4	9.6	9.8	10.1	9.9	10.1	10.4	10.7	10.4	10.6	10.9	11.2	10.9	11.1	11.4	11.8	
		HI PR	237	255	269	281	266	286	302	315	302	325	344	358	344	371	391	408	387	417	440	459	428	461	486	507	
	1560	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	59.4	60.7	64.8	69.3	58.0	59.3	63.3	67.7	56.6	57.9	61.8	66.1	55.3	56.5	60.3	64.5	52.5	53.6	57.3	61.3	48.6	49.7	53.1	56.7	
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57	
	85	2194	ΔT	25	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
			kW	4.38	4.46	4.59	4.73	4.69	4.79	4.93	5.08	4.97	5.07	5.23	5.39	5.21	5.32	5.49	5.66	5.42	5.54	5.71	5.89	5.60	5.72	5.90	6.09
			Amps	8.3	8.4	8.6	8.9	8.8	8.9	9.1	9.4	9.3	9.5	9.8	10.0	9.8	10.0	10.3	10.6	10.3	10.5	10.8	11.2	10.8	11.0	11.3	11.7
1950		HI PR	235	252	267	278	263	283	299	312	299	322	340	355	341	367	387	404	384	413	436	455	424	456	482	502	
		LO PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	162	172	
		MBh	54.8	56.0	59.9	64.0	53.5	54.7	58.5	62.5	52.3	53.4	57.1	61.0	51.0	52.1	55.7	59.5	48.4	49.5	52.9	56.5	44.9	45.9	49.0	52.4	
1560		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	
		ΔT	27	26	23	18	28	26	23	18	28	26	23	18	28	27	23	19	27	26	23	18	26	25	21	17	
		kW	4.28	4.36	4.49	4.63	4.58	4.68	4.82	4.96	4.85	4.95	5.10	5.26	5.09	5.20	5.36	5.53	5.29	5.40	5.57	5.75	5.47	5.58	5.76	5.94	
85		2194	Amps	8.1	8.2	8.4	8.7	8.6	8.7	8.9	9.2	9.1	9.3	9.5	9.8	9.6	9.8	10.1	10.4	10.1	10.3	10.6	10.9	10.6	10.8	11.1	11.4
			HI PR	228	245	259	270	255	275	290	303	290	312	330	344	331	356	376	392	372	400	423	441	411	442	467	487
			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
	1950	MBh	62.2	63.5	66.5	70.9	60.8	62.0	64.9	69.2	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	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	24	25	24	21	23	23	23	20	21	22	22	19	
	1560	kW	4.44	4.53	4.66	4.81	4.76	4.86	5.01	5.16	5.05	5.15	5.31	5.48	5.29	5.41	5.57	5.75	5.51	5.62	5.80	5.99	5.69	5.81	6.00	6.19	
		Amps	8.4	8.5	8.7	9.0	8.9	9.0	9.3	9.5	9.5	9.6	9.9	10.2	10.0	10.2	10.4	10.8	10.5	10.7	11.0	11.3	11.0	11.2	11.5	11.9	
		HI PR	239	257	272	284	268	289	305	318	305	329	347	362	348	374	395	412	391	421	445	464	432	465	491	512	
	85	2194	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	60.4	61.6	64.5	68.8	59.0	60.2	63.0	67.2	57.6	58.7	61.5	65.6	56.2	57.3	60.0	64.0	53.4	54.4	57.0	60.8	49.5	50.4	52.8	56.3
			S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
1950		ΔT	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	25	26	24	21	23	24	23	20	
		kW	4.41	4.50	4.63	4.77	4.73	4.82	4.97	5.12	5.01	5.11	5.27	5.43	5.25	5.36	5.53	5.71	5.46	5.58	5.75	5.94	5.64	5.77	5.95	6.14	
		Amps	8.3	8.5	8.7	8.9	8.8	9.0	9.2	9.5	9.4	9.6	9.8	10.1	9.9	10.1	10.4	10.7	10.4	10.6	10.9	11.2	10.9	11.1	11.4	11.8	
1560		HI PR	237	255	269	281	266	286	302	315	302	325	344	358	344	371	391	408	387	417	440	459	428	461	486	507	
		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	55.8	56.9	59.6	63.5	54.5	55.5	58.2	62.1	53.2	54.2	56.8	60.6	51.9	52.9	55.4	59.1	49.3	50.2	52.6	56.1	45.7	46.5	48.7	52.0	
85		2194	S/T	0.88	0.85	0.77	0.63	0.92	0.88	0.80	0.65	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.88	0.72
			ΔT	29	29	27	23	29	29	27	24	29	29	27	24	30	29	28	24	29	29	27	24	27	27	25	22
			kW	4.31	4.40	4.52	4.66	4.62	4.71	4.85	5.00	4.89	4.99	5.14	5.30	5.13	5.24	5.40	5.57	5.33	5.45	5.62	5.80	5.51	5.63	5.80	5.99
	1560	Amps	8.1	8.3	8.5	8.7	8.6	8.8	9.0	9.3	9.2	9.4	9.6	9.9	9.7	9.9	10.1	10.4	10.2	10.4	10.7	11.0	10.7	10.9	11.2	11.5	
		HI PR	230	247	261	272	258	277	293	306	293	316	333	348	334	359	380	396	376	404	427	445	415	447	472	492	
		LO PR	109	116	127	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	169	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area is AHRI (TVA) conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = Total system power

EXPANDED COOLING DATA (SI UNITS)

IDB (°C)	OUTDOOR AMBIENT TEMPERATURE (°C)																								
	18.3				23.8				29.4				40.5				46.1								
	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7					
	ENTERING INDOOR WET BULB TEMPERATURE (°C)																								
	*KW	17.3	18.0	19.7	-	16.9	17.5	19.2	-	16.5	17.1	18.8	-	16.1	16.7	18.3	-	15.3	15.9	17.4	-	14.2	14.7	16.1	-
	S/T	0.74	1.74	2.74	-	4.74	5.74	6.74	-	8.74	9.74	10.74	-	12.74	13.74	14.74	-	16.74	17.74	18.74	-	20.74	21.74	22.74	-
	ΔT	-7.6	-9.0	-11.1	-	-7.5	-8.9	-11.0	-	-7.5	-8.9	-11.0	-	-7.4	-8.8	-11.0	-	-7.6	-9.0	-11.1	-	-8.3	-9.5	-11.5	-
3727	KW	4.34	5.34	6.34	-	8.34	9.34	10.34	-	12.34	13.34	14.34	-	16.34	17.34	18.34	-	20.34	21.34	22.34	-	24.34	25.34	26.34	-
	HI PR	1.60	1.72	1.82	-	1.80	1.93	2.04	-	2.04	2.20	2.32	-	2.33	2.50	2.64	-	2.62	2.82	2.97	-	2.89	3.11	3.29	-
	LO PR	0.76	0.81	0.88	-	0.80	0.85	0.93	-	0.83	0.89	0.97	-	0.88	0.93	1.02	-	0.92	0.98	1.07	-	0.95	1.01	1.10	-
	*KW	16.8	17.4	19.1	-	16.4	17.0	18.7	-	16.0	16.6	18.2	-	15.6	16.2	17.8	-	14.9	15.4	16.9	-	13.8	14.3	15.6	-
	S/T	0.70	1.70	2.70	-	4.70	5.70	6.70	-	8.70	9.70	10.70	-	12.70	13.70	14.70	-	16.70	17.70	18.70	-	20.70	21.70	22.70	-
21.1	ΔT	-7.2	-8.6	-10.8	-	-7.1	-8.5	-10.8	-	-7.1	-8.5	-10.7	-	-7.0	-8.5	-10.7	-	-7.2	-8.6	-10.8	-	-7.9	-9.2	-11.3	-
	KW	4.31	5.31	6.31	-	8.31	9.31	10.31	-	12.31	13.31	14.31	-	16.31	17.31	18.31	-	20.31	21.31	22.31	-	24.31	25.31	26.31	-
	HI PR	1.58	1.71	1.80	-	1.78	1.91	2.02	-	2.02	2.18	2.30	-	2.30	2.48	2.62	-	2.59	2.79	2.94	-	2.86	3.08	3.25	-
	LO PR	0.75	0.80	0.87	-	0.79	0.84	0.92	-	0.83	0.88	0.96	-	0.87	0.92	1.01	-	0.91	0.97	1.06	-	0.94	1.00	1.09	-
	*KW	15.5	16.1	17.6	-	15.2	15.7	17.2	-	14.8	15.3	16.8	-	14.4	15.0	16.4	-	13.7	14.2	15.6	-	12.7	13.2	14.4	-
	S/T	0.68	1.68	2.68	-	4.68	5.68	6.68	-	8.68	9.68	10.68	-	12.68	13.68	14.68	-	16.68	17.68	18.68	-	20.68	21.68	22.68	-
2650	ΔT	-6.0	-7.6	-10.1	-	-5.9	-7.5	-10.0	-	-5.9	-7.5	-10.0	-	-5.8	-7.4	-9.9	-	-6.0	-7.6	-10.0	-	-6.7	-8.2	-10.5	-
	KW	4.22	5.22	6.22	-	8.22	9.22	10.22	-	12.22	13.22	14.22	-	16.22	17.22	18.22	-	20.22	21.22	22.22	-	24.22	25.22	26.22	-
	HI PR	1.54	1.65	1.75	-	1.72	1.86	1.96	-	1.96	2.11	2.23	-	2.23	2.40	2.54	-	2.51	2.71	2.86	-	2.78	2.99	3.16	-
	LO PR	0.73	0.78	0.85	-	0.77	0.82	0.89	-	0.80	0.85	0.93	-	0.84	0.89	0.98	-	0.88	0.94	1.02	-	0.91	0.97	1.06	-

	*KW	17.6	18.1	19.6	21.1	17.2	17.7	19.2	20.6	16.8	17.3	18.7	20.1	16.4	16.9	18.3	19.6	15.6	16.0	17.4	18.6	14.4	14.8	16.1	17.3
	S/T	0.84	1.84	2.84	3.8	4.84	5.84	6.84	7.8	8.84	9.84	10.84	11.8	12.84	13.84	14.84	15.8	16.84	17.84	18.84	19.8	20.84	21.84	22.84	23.8
3727	ΔT	-6.1	-7.0	-8.9	-11.7	-5.9	-6.9	-8.8	-11.6	-5.9	-6.8	-8.8	-11.6	-5.8	-6.8	-8.8	-11.6	-6.0	-6.9	-8.9	-11.6	-6.8	-7.6	-9.5	-12.0
	KW	4.38	5.38	6.38	7.4	8.38	9.38	10.38	11.4	12.38	13.38	14.38	15.4	16.38	17.38	18.38	19.4	20.38	21.38	22.38	23.4	24.38	25.38	26.38	27.4
	HI PR	1.62	1.74	1.84	1.9	1.81	1.95	2.06	2.2	2.06	2.22	2.34	2.4	2.35	2.53	2.67	2.8	2.64	2.85	3.00	3.1	2.92	3.14	3.32	3.5
	LO PR	0.77	0.82	0.89	0.9	0.81	0.86	0.94	1.0	0.84	0.90	0.98	1.0	0.88	0.94	1.03	1.1	0.93	0.99	1.08	1.1	0.96	1.02	1.11	1.2
	*KW	17.1	17.6	19.1	20.5	16.7	17.2	18.6	20.0	16.3	16.8	18.2	19.5	15.9	16.4	17.7	19.0	15.1	15.6	16.8	18.1	14.0	14.4	15.6	16.7
	S/T	0.80	1.80	2.80	3.8	4.80	5.80	6.80	7.8	8.80	9.80	10.80	11.8	12.80	13.80	14.80	15.8	16.80	17.80	18.80	19.8	20.80	21.80	22.80	23.8
23.8	ΔT	-5.6	-6.5	-8.6	-11.4	-5.4	-6.4	-8.5	-11.3	-5.4	-6.4	-8.5	-11.3	-5.3	-6.3	-8.4	-11.3	-5.5	-6.5	-8.5	-11.4	-6.3	-7.2	-9.1	-11.8
	KW	4.34	5.34	6.34	7.3	8.34	9.34	10.34	11.3	12.34	13.34	14.34	15.3	16.34	17.34	18.34	19.3	20.34	21.34	22.34	23.3	24.34	25.34	26.34	27.3
	HI PR	1.60	1.72	1.82	1.9	1.80	1.93	2.04	2.1	2.04	2.20	2.32	2.4	2.33	2.50	2.64	2.8	2.62	2.82	2.97	3.1	2.89	3.11	3.29	3.4
	LO PR	0.76	0.81	0.88	0.9	0.80	0.85	0.93	1.0	0.83	0.89	0.97	1.0	0.88	0.93	1.02	1.1	0.92	0.98	1.07	1.1	0.95	1.01	1.10	1.2
	*KW	15.8	16.3	17.6	18.9	15.4	15.9	17.2	18.4	15.1	15.5	16.8	18.0	14.7	15.1	16.4	17.6	14.0	14.4	15.5	16.7	12.9	13.3	14.4	15.5
	S/T	0.77	1.77	2.77	3.8	4.77	5.77	6.77	7.8	8.77	9.77	10.77	11.8	12.77	13.77	14.77	15.8	16.77	17.77	18.77	19.8	20.77	21.77	22.77	23.8
2650	ΔT	-4.2	-5.3	-7.5	-10.7	-4.0	-5.1	-7.4	-10.6	-4.0	-5.1	-7.4	-10.6	-3.9	-5.0	-7.3	-10.6	-4.1	-5.2	-7.5	-10.7	-5.0	-6.0	-8.2	-11.1
	KW	4.25	5.25	6.25	7.2	8.25	9.25	10.25	11.2	12.25	13.25	14.25	15.2	16.25	17.25	18.25	19.2	20.25	21.25	22.25	23.2	24.25	25.25	26.25	27.2
	HI PR	1.55	1.67	1.76	1.8	1.74	1.88	1.98	2.1	1.98	2.13	2.25	2.3	2.26	2.43	2.56	2.7	2.54	2.73	2.89	3.0	2.81	3.02	3.19	3.3
	LO PR	0.74	0.78	0.86	0.9	0.78	0.83	0.90	1.0	0.81	0.86	0.94	1.0	0.85	0.90	0.99	1.1	0.89	0.95	1.03	1.1	0.92	0.98	1.07	1.1

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings (Mpa).
 Shaded area reflects ACCA (TV) Rating Conditions
 *kW = Total Cooling Capacity
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

EXPANDED COOLING DATA (SI UNITS)

IDB (°C)	AIRFLOW (CM/H)	OUTDOOR AMBIENT TEMPERATURE (°C)																																			
		18.3						23.8						29.4						35						40.5						46.1					
		15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7	15.0	17.2	19.4	21.7								
21.1	*KW	17.9	18.3	19.6	20.9	17.5	17.9	19.1	20.4	17.1	17.5	18.7	20.0	16.7	17.0	18.2	19.5	15.8	16.2	17.3	18.5	14.7	15.0	16.0	17.1												
	S/T	0.92	1.92	2.92	3.9	4.92	5.92	6.92	7.9	8.92	9.92	10.92	11.9	12.92	13.92	14.92	15.9	16.92	17.92	18.92	19.9	20.92	21.92	22.92	23.9												
	ΔT	-4.7	-5.2	-6.9	-9.1	-4.5	-5.1	-6.7	-9.0	-4.2	-5.1	-6.7	-9.0	-4.5	-5.0	-6.7	-8.9	-5.2	-4.9	-6.8	-9.0	-6.1	-5.9	-7.5	-9.6												
	KW	4.41	5.41	6.41	7.4	8.41	9.41	10.41	11.4	12.41	13.41	14.41	15.4	16.41	17.41	18.41	19.4	20.41	21.41	22.41	23.4	24.41	25.41	26.41	27.4												
	HI PR	1.63	1.76	1.86	1.9	1.83	1.97	2.08	2.2	2.08	2.24	2.37	2.5	2.37	2.55	2.70	2.8	2.67	2.87	3.03	3.2	2.95	3.18	3.35	3.5												
	LO PR	0.77	0.82	0.90	1.0	0.82	0.87	0.95	1.0	0.85	0.90	0.99	1.1	0.89	0.95	1.04	1.1	0.94	1.00	1.09	1.2	0.97	1.03	1.12	1.2												
	*KW	17.4	17.8	19.0	20.3	17.0	17.4	18.6	19.8	16.6	17.0	18.1	19.4	16.2	16.5	17.7	18.9	15.4	15.7	16.8	18.0	14.3	14.6	15.6	16.6												
	S/T	0.88	1.88	2.88	3.9	4.88	5.88	6.88	7.9	8.88	9.88	10.88	11.9	12.88	13.88	14.88	15.9	16.88	17.88	18.88	19.9	20.88	21.88	22.88	23.9												
	ΔT	-4.2	-4.7	-6.4	-8.7	-4.0	-4.6	-6.3	-8.6	-4.0	-4.6	-6.3	-8.6	-3.9	-4.5	-6.2	-8.5	-4.1	-4.6	-6.4	-8.7	-5.0	-5.5	-7.1	-9.3												
	KW	4.38	5.38	6.38	7.4	8.38	9.38	10.38	11.4	12.38	13.38	14.38	15.4	16.38	17.38	18.38	19.4	20.38	21.38	22.38	23.4	24.38	25.38	26.38	27.4												
HI PR	1.62	1.74	1.84	1.9	1.81	1.95	2.06	2.2	2.06	2.22	2.35	2.4	2.35	2.53	2.67	2.8	2.64	2.85	3.00	3.1	2.92	3.14	3.32	3.5													
LO PR	0.77	0.82	0.89	0.9	0.81	0.86	0.94	1.0	0.84	0.90	0.98	1.0	0.88	0.94	1.03	1.1	0.93	0.99	1.08	1.1	0.96	1.02	1.11	1.2													
2650	*KW	16.1	16.4	17.5	18.8	15.7	16.0	17.1	18.3	15.3	15.7	16.7	17.9	14.9	15.3	16.3	17.4	14.2	14.5	15.5	16.6	13.2	13.4	14.4	15.4												
	S/T	0.84	1.84	2.84	3.8	4.84	5.84	6.84	7.8	8.84	9.84	10.84	11.8	12.84	13.84	14.84	15.8	16.84	17.84	18.84	19.8	20.84	21.84	22.84	23.8												
	ΔT	-2.6	-3.3	-5.2	-7.7	-2.4	-3.1	-5.0	-7.6	-2.4	-3.1	-5.0	-7.6	-2.3	-3.0	-4.9	-7.5	-2.5	-3.2	-5.1	-7.6	-3.5	-4.1	-5.9	-8.3												
	KW	4.28	5.28	6.28	7.3	8.28	9.28	10.28	11.3	12.28	13.28	14.28	15.3	16.28	17.28	18.28	19.3	20.28	21.28	22.28	23.3	24.28	25.28	26.28	27.3												
	HI PR	1.57	1.69	1.78	1.9	1.76	1.89	2.00	2.1	2.00	2.15	2.27	2.4	2.28	2.45	2.59	2.7	2.56	2.76	2.91	3.0	2.83	3.05	3.22	3.4												
	LO PR	0.74	0.79	0.86	0.9	0.79	0.84	0.91	1.0	0.82	0.87	0.95	1.0	0.86	0.91	1.00	1.1	0.90	0.96	1.04	1.1	0.93	0.99	1.08	1.2												

23.8	*KW	18.2	18.6	19.5	20.8	17.8	18.2	19.0	20.3	17.4	17.7	18.6	19.8	17.0	17.3	18.1	19.3	16.1	16.4	17.2	18.4	14.9	15.2	15.9	17.0
	S/T	0.96	1.96	2.96	4.0	4.96	5.96	6.96	8.0	8.96	9.96	10.96	12.0	12.96	13.96	14.96	16.0	16.96	17.96	18.96	20.0	20.96	21.96	22.96	24.0
	ΔT	-3.8	-4.1	-4.8	-6.6	-3.7	-3.9	-4.7	-6.4	-4.0	-3.9	-4.6	-6.4	-4.3	-4.0	-4.5	-6.3	-5.0	-4.7	-4.7	-6.5	-5.9	-5.7	-6.6	-7.2
	KW	4.44	5.44	6.44	7.4	8.44	9.44	10.44	11.4	12.44	13.44	14.44	15.4	16.44	17.44	18.44	19.4	20.44	21.44	22.44	23.4	24.44	25.44	26.44	27.4
	HI PR	1.65	1.78	1.87	2.0	1.85	1.99	2.10	2.2	2.11	2.27	2.39	2.5	2.40	2.58	2.72	2.8	2.70	2.90	3.07	3.2	2.98	3.21	3.39	3.5
	LO PR	0.78	0.83	0.91	1.0	0.83	0.88	0.96	1.0	0.86	0.91	1.00	1.1	0.90	0.96	1.05	1.1	0.95	1.01	1.10	1.2	0.98	1.04	1.14	1.2
	*KW	17.7	18.1	18.9	20.2	17.3	17.6	18.5	19.7	16.9	17.2	18.0	19.2	16.5	16.8	17.6	18.8	15.7	16.0	16.7	17.8	14.5	14.8	15.5	16.5
	S/T	0.92	1.92	2.92	3.9	4.92	5.92	6.92	7.9	8.92	9.92	10.92	11.9	12.92	13.92	14.92	15.9	16.92	17.92	18.92	19.9	20.92	21.92	22.92	23.9
	ΔT	-3.3	-3.5	-4.3	-6.1	-3.1	-3.3	-4.1	-5.9	-3.1	-3.3	-4.1	-5.9	-3.1	-3.2	-4.0	-5.8	-3.8	-3.5	-4.2	-6.0	-4.8	-4.6	-5.1	-6.8
	KW	4.41	5.41	6.41	7.4	8.41	9.41	10.41	11.4	12.41	13.41	14.41	15.4	16.41	17.41	18.41	19.4	20.41	21.41	22.41	23.4	24.41	25.41	26.41	27.4
HI PR	1.63	1.76	1.86	1.9	1.83	1.97	2.08	2.2	2.08	2.24	2.37	2.5	2.37	2.55	2.70	2.8	2.67	2.87	3.03	3.2	2.95	3.18	3.35	3.5	
LO PR	0.77	0.82	0.90	1.0	0.82	0.87	0.95	1.0	0.85	0.90	0.99	1.1	0.89	0.95	1.04	1.1	0.94	1.00	1.09	1.2	0.97	1.03	1.12	1.2	
2650	*KW	16.3	16.7	17.5	18.6	16.0	16.3	17.0	18.2	15.6	15.9	16.6	17.8	15.2	15.5	16.2	17.3	14.4	14.7	15.4	16.5	13.4	13.6	14.3	15.2
	S/T	0.88	1.88	2.88	3.9	4.88	5.88	6.88	7.9	8.88	9.88	10.88	11.9	12.88	13.88	14.88	15.9	16.88	17.88	18.88	19.9	20.88	21.88	22.88	23.9
	ΔT	-1.6	-1.9	-2.8	-4.8	-1.4	-1.7	-2.6	-4.6	-1.4	-1.7	-2.6	-4.6	-1.3	-1.6	-2.4	-4.5	-1.6	-1.8	-2.7	-4.7	-2.8	-2.8	-3.7	-5.6
	KW	4.31	5.31	6.31	7.3	8.31	9.31	10.31	11.3	12.31	13.31	14.31	15.3	16.31	17.31	18.31	19.3	20.31	21.31	22.31	23.3	24.31	25.31	26.31	27.3
	HI PR	1.58	1.70	1.80	1.9	1.78	1.91	2.02	2.1	2.02	2.18	2.30	2.4	2.30	2.48	2.62	2.7	2.59	2.79	2.94	3.1	2.86	3.08	3.25	3.4
	LO PR	0.75	0.80	0.87	0.9	0.79	0.84	0.92	1.0	0.82	0.88	0.96	1.0	0.87	0.92	1.01	1.1	0.91	0.97	1.05	1.1	0.94	1.00	1.09	1.2

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings (Mpa).
 Shaded area reflects AHRI (TVA) Rating Conditions
 *kW = Total Cooling Capacity
 kW = Total system power
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

AIRFLOW DATA

STANDARD BELT DRIVE — DOWN SHOT

ESP "W.C. [MBAR]	0 TURNS			1 TURN			2 TURNS			3 TURNS			4 TURNS			5 TURNS		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2 [0.5]	2382	1153	1.14	2229	1105	0.97	2117	1063	0.90	1970	1015	0.61	1850	967	0.51	1723	920	0.46
0.4 [1.0]	2183	1157	1.01	2038	1111	0.87	1880	1068	0.77	1773	1016	0.53	1617	969	0.43	1506	920	0.39
0.6 [1.5]	2019	1161	0.92	1837	1117	0.77	1674	1069	0.68	1529	1018	0.44						
0.8 [2.0]	1822	1163	0.82	1634	1117	0.68												
1.0 [2.5]	1577	1165	0.69															

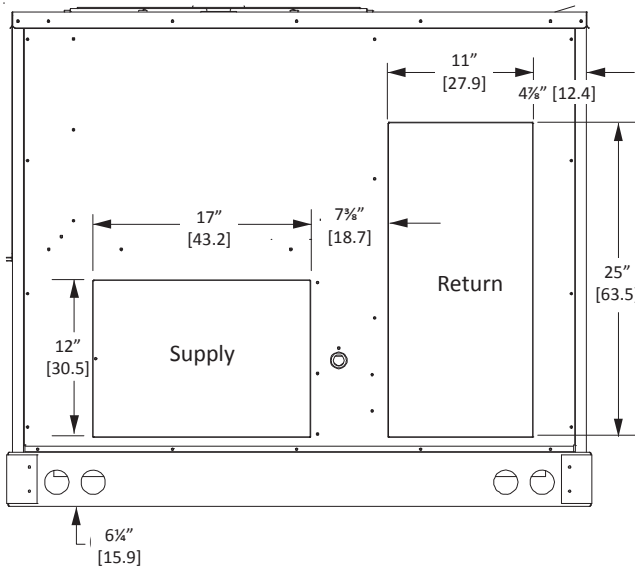
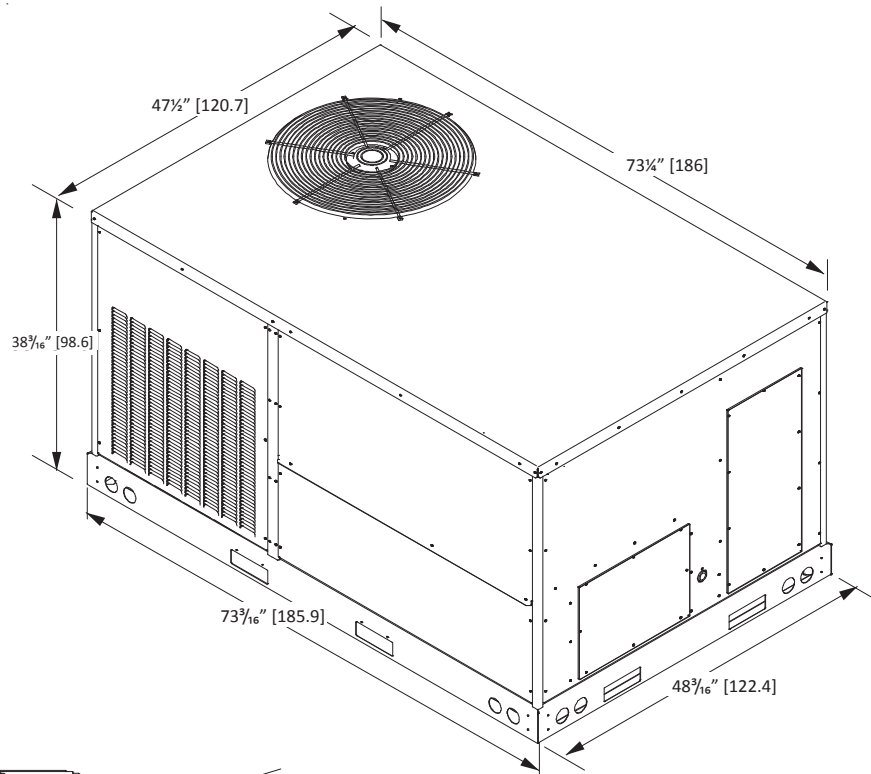
STANDARD BELT DRIVE — HORIZONTAL

ESP "W.C. [MBAR]	0 TURNS			1 TURN			2 TURNS			3 TURNS			4 TURNS			5 TURNS		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.2 [0.5]	2537	1146	1.23	2379	1099	1.06	2291	1062	0.99	2149	1016	0.69	2033	968	0.58	1899	928	0.52
0.4 [1.0]	2317	1146	1.09	2188	1106	0.95	2074	1064	0.87	1944	1019	0.60	1796	972	0.49	1644	925	0.43
0.6 [1.5]	2100	1152	0.97	1979	1111	0.84	1842	1070	0.76	1695	1022	0.50	1511	971	0.40			
0.8 [2.0]	1898	1158	0.85	1735	1114	0.72	1556	1074	0.62	1379	1026	0.40						
1.0 [2.5]	1642	1161	0.72	1452	1119	0.59												

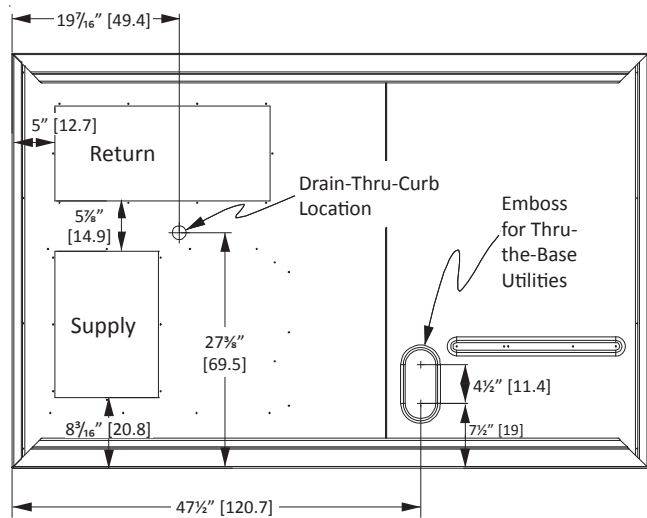
NOTES

- 1CFM = 1.7m3/hr = 0.47L/S
- 1HP = 0.74KW

DIMENSIONS [CM]



Horizontal Discharge



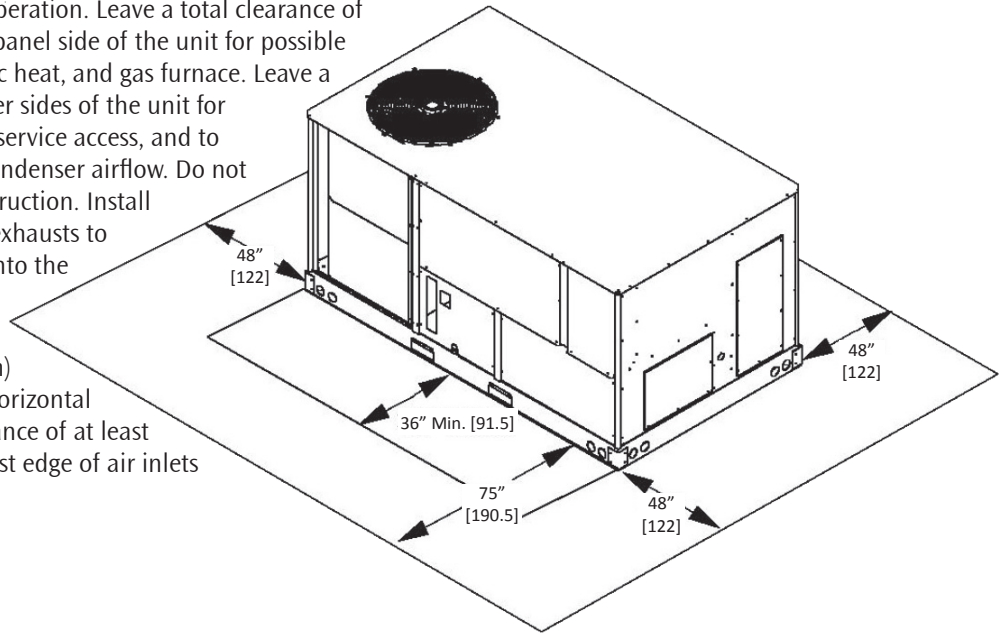
Bottom View of Unit

Vertical Discharge

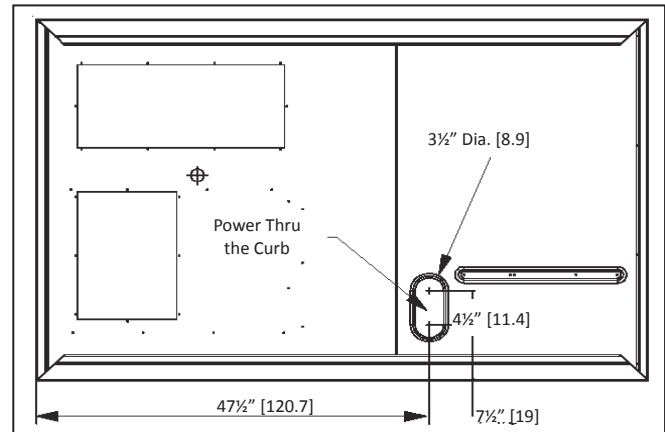
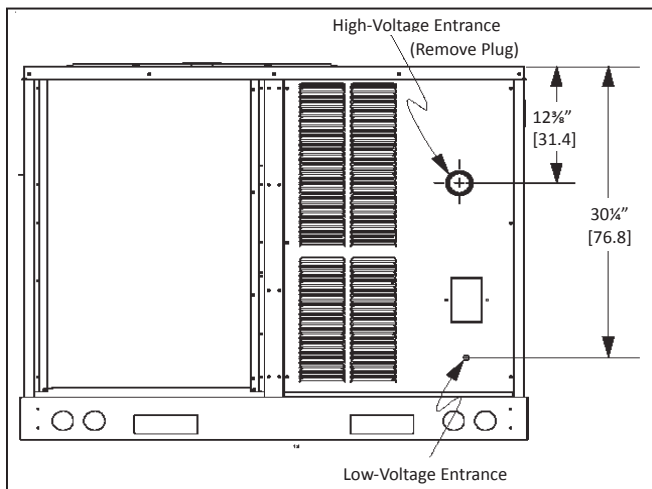
UNIT CLEARANCES [CM]

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" [190.5] 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" [122] 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.

This unit must be installed on a base curb of at least 14" (35.6 cm) height in both the vertical and horizontal applications to maintain a clearance of at least 19.68" (50 cm) between the lowest edge of air inlets and the base of the appliance.



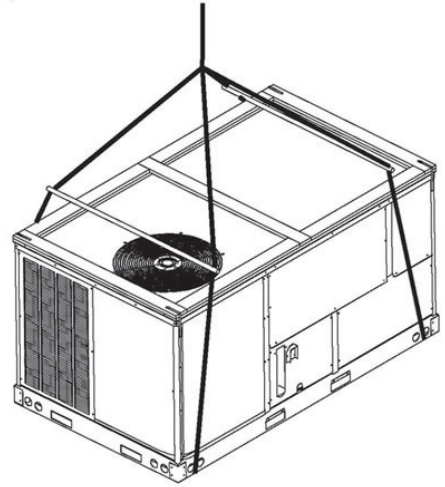
ELECTRICAL ENTRANCE LOCATIONS



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" [152.4].
- 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.



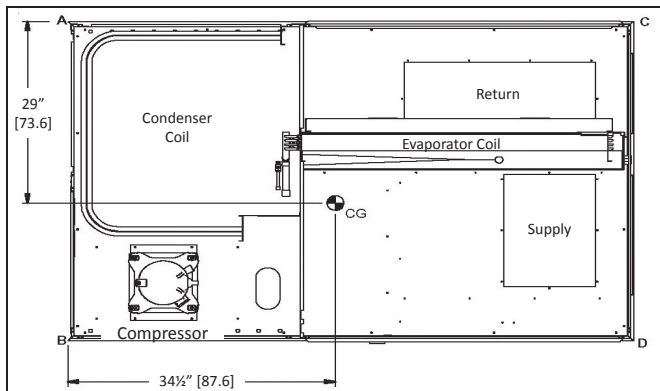
Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

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	5-TON WEIGHTS [KGS]
Corner Weight (A)	136 [62]
Corner Weight (B)	205 [93]
Corner Weight (C)	119 [54]
Corner Weight (D)	180 [82]
Unit Shipping Weight	665 [302]
Unit Operating Weight	640 [290]

Note: Weights are calculated without accessories installed.

ROOF CURB INSTALLATION (CONT.)

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.

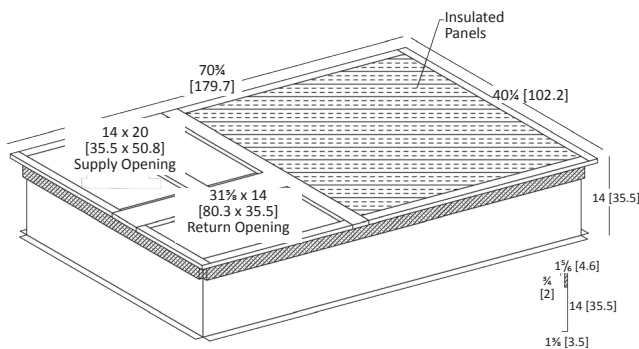
Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory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

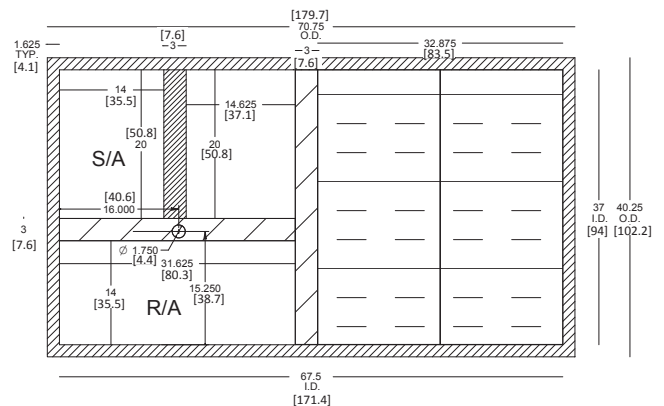
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

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

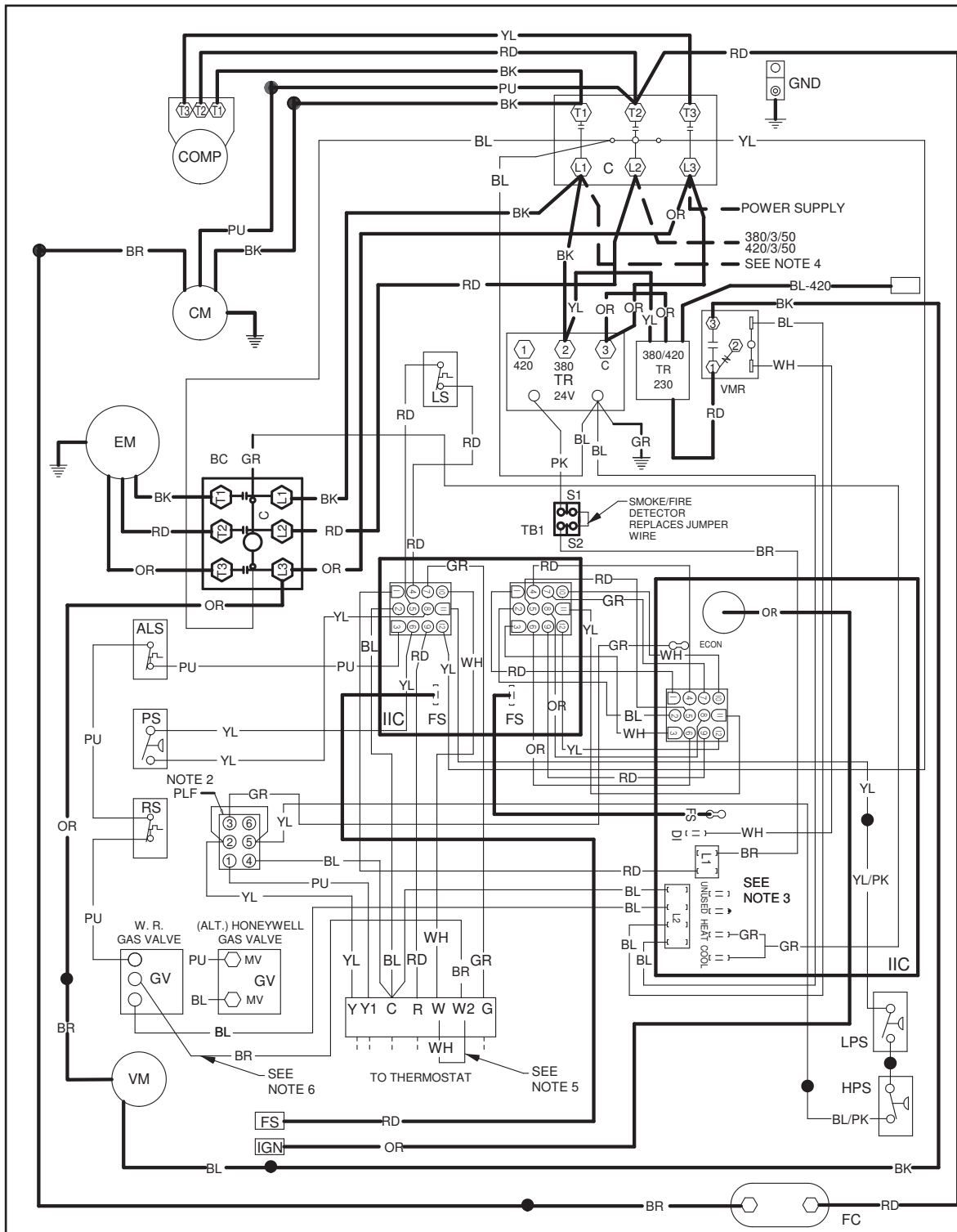
3-D VIEW



TOP VIEW



WIRING DIAGRAM



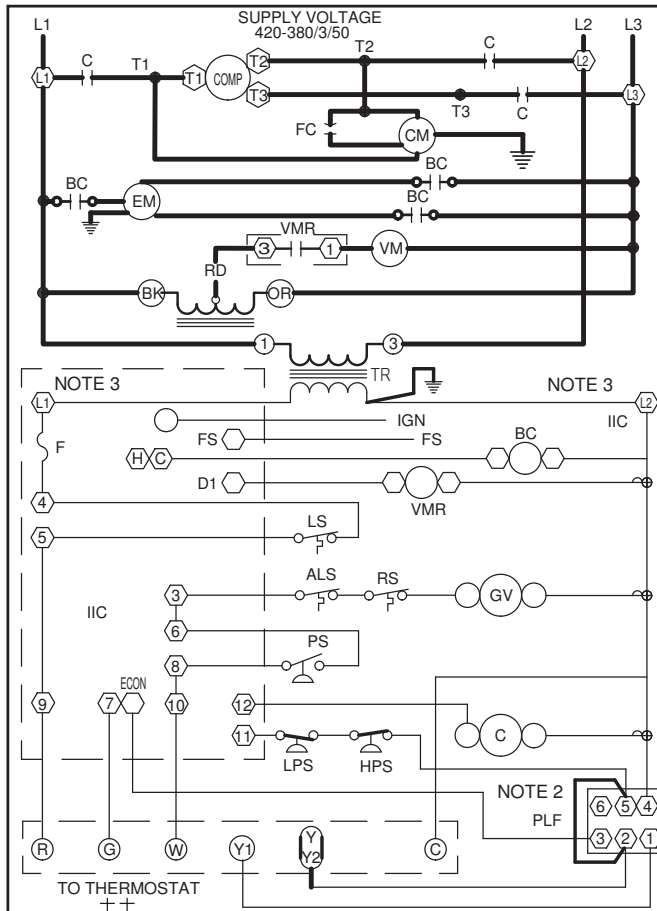
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



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.



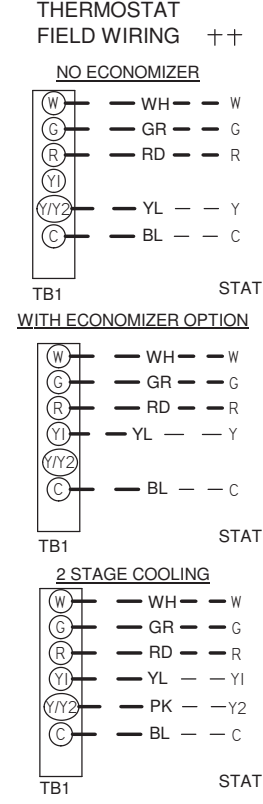
WIRING DIAGRAM (CONT.)



- COMPONENT LEGEND**
- ALS AUXILLARY LIMIT SWITCH
 - BC BLOWER CONTACTOR
 - COMP COMPRESSOR
 - CM CONDENSER MOTOR
 - C CONTACTOR
 - EM EVAPORATOR MOTOR
 - F FUSE
 - FC FAN CAPACITOR
 - FS FLAME SENSOR
 - GND EQUIPMENT GROUND
 - GV GAS VALVE
 - HPS HIGH PRESSURE SWITCH
 - IBR INDOOR BLOWER RELAY
 - IIC INTEGRATED IGNITION CONTROL
 - IGN IGNITOR
 - LPS LOW PRESSURE SWITCH
 - LS LIMIT SWITCH
 - PLF FEMALE PLUG/CONNECTOR
 - PS PRESSURE SWITCH
 - RS ROLLOUT SWITCH
 - TB1 TERMINAL BLOCK (24V SIGNAL)
 - TR TRANSFORMER
 - VM VENT MOTOR
 - VMR VENT MOTOR RELAY

- FACTORY WIRING**
- LINE VOLTAGE
 - LOW VOLTAGE
 - OPTIONAL HIGH VOLTAGE
- FIELD WIRING**
- HIGH VOLTAGE
 - - - - - LOW VOLTAGE
- WIRE CODE**
- BK BLACK
 - BL BLUE
 - BR BROWN
 - GR GREEN
 - OR ORANGE
 - PK PINK
 - PU PURPLE
 - RD RED
 - WH WHITE
 - YL YELLOW
 - BL/PK BLUE WITH PINK STRIP
 - YL/PK YELLOW WITH PINK STRIP

- NOTES**
1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
 2. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
 3. L1 AND L2 ON IIC CONTROL IS 24V INPUT.
 4. USE COPPER CONDUCTORS ONLY. + + USE NEC CLASS 2 WIRE.
 5. FOR LOW STAGE OPERATION ONLY (APPLIES TO TWO GAS VALVES ONLY). REMOVE WHITE JUMPER FOR 2 STAGE OPERATION, REMOVE JUMPER AND CONNECT W2 TO W2 ON THERMOSTAT.
 6. ON A SINGLE STAGE GAS VALVE, BROWN WIRE FROM GV OF GAS VALVE TO W2 OF TERMINAL BOARD IS REMOVED
 7. TO CHANGE TO 420V OPERATION REMOVE BK AND YL WIRES FROM TERMINAL 2 ON 24V TRANSFORMER. REPLACE BK WIRE FROM L1 TO TERMINAL 1 ON TRANSFORMER AND CONNECT BK WIRE FROM 230V TRANSFORMER TO TERMINAL 1 BY REMOVING THE TERMINAL PROTECTOR AND PUTTING IT ON THE YELLOW LEAD THAT IS NOT BEING USED.



INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

STATUS LIGHT	EQUIP. STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL	CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL
1 BLINK	IGNITION FAILURE OPEN ROLLOUT SWITCH OPEN AUX. LIMIT SWITCH	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR FLAME ROLLOUT BAD SWITCH AUX. LIMIT OPEN
2 BLINKS	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH
3 BLINKS	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH
4 BLINKS	OPEN LIMIT SWITCH	MAIN LIMIT OPEN BAD SWITCH
5 BLINKS	FALSE FLAME SENSED	STICKING GAS VALVE
6 BLINKS	COMPRESSOR OUTPUT DELAY	3 MIN. COMP. ANTI-CYCLE TIMER

420-380/3/50 0140L00951 REV A

Wiring is subject to change. Always refer to the wiring diagram or 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.

ACCESSORIES

ITEM #	DESCRIPTION
14CURB3672B	Roof Curb – 14" Tall [35.5 cm]
25FD3672	25% Manual Fresh Air Damper
25MFD3672	25% Motorized Fresh Air Damper
BRD3672	Horizontal Barometric Relief Damper
CDK4872	Concentric Duct Kit
DNECONGS3672B	Downflow Economizer
DNECONGS3672B-NR	Downflow Economizer w/o Barometric Relief
DNSQRRND4872B	Downflow Square-to-Round Adapter 18" Round [45.7 cm]
DNBBS3672B	Burglar Bar Sleeves Includes Supply & Return
GHRC-1	Hurricane Restraint Clip
HAILGD03	Condenser Coil Hail Guard
HAILGD04	Condenser Coil Hail Guard
HSKT060B-50HZ	High-Static Kit (380v / 50 Hz)
HZECONGS3672B	Horizontal Economizer
LAKT01	Low-Ambient Kit
LPT-04	LP Conversion Kit

NOTES

