

FEATURES

SINGLE PACKAGE

- Single package heat pump, self contained with optional electric heat accessory for year round comfort. Systems install on rooftop or ground level. The unit is shipped in the horizontal position and can easily be converted to downflow.

CONSTRUCTION

- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment. One piece weather resistant top. Access panels for easy service. Side by side supply and return. Heavy 16 gauge base with rails.
- Coil Guard to protect condenser coil.

BLOWER

- Standard Belt Drive Blower
- "No Difference" Design-Unit will operate at the same rated External Static Pressure in the down shot or horizontal duct position.
- Specially designed track enhances evaporator motor and blower serviceability.

IMPROVED INSULATION

- Dual density insulation improves temperature separation.

COPPER TUBE/ALUMINUM FIN COILS

- Enhanced aluminium fins mechanically bonded to rifled copper tubes for improved heat transfer.

ELECTRICAL CONTROLS

- Located behind one exterior panel for easier maintenance.

EXTERNALLY-MOUNTED GAUGE PORTS

- Allows for more accurate reading of operating conditions while servicing.

INTEGRAL BASE RAILS

- Fork-lift access on three sides. Holes provided for lifting lugs makes rooftop installation easier.

ELECTRIC HEAT ACCESSORY

- 10 thru 30 KW

THERMOSTATIC EXPANSION VALVES

- Thermostatic expansion valves for heating and cooling refrigerant metering. The valves are protected by refrigerant strainers.

HIGH PRESSURE AND LOSS OF CHARGE SWITCHES

- Provides excellent compressor protection.

ELECTRONIC DEFROST CONTROL

- Insures fast efficient defrost cycle.

FREEZE THERMOSTAT

- Protects coil form freeze-ups.

PRE-WIRED FOR ECONOMIZER

- Allows easy trouble free installation

FACTORY INSTALLED AIR FILTERS

- Unit has two, 2 inch filters for excellent evaporator coil protection.



Representative picture only, some models may differ



Rated in accordance
with ARI Standard 240.



Listed By
Underwriters'
Laboratories

UNIT SPECIFICATIONS

	MODELS		
	HPB075H000	HPB075L000	HPB075S000
Cooling			
ARI Rated Capacity BTUH	74,000	74,000	74,000
EER	8.9	8.9	8.9
Stages	1	1	1
Heating			
High Heat Capacity	71,000	71,000	71,000
High Heat COP	3	3	3
Low Heat Capacity	41,600	41,600	41,600
Low Heat COP	2	2	2
Electrical			
Volts - Phase - Hertz	208/230-3-60	460-3-60	575-3-60
Voltage Range Min / Max	187 / 253	414 / 506	518 / 632
Total Unit Amps	28	14	11.4
Minimum Circuit Ampacity	32.8	16.4	13.3
Minimum Fuse Size	40	20	20
Max. Fuse / HACR Breaker Size	50	25	20
Compressor			
Number of Independent Circuits	1	1	1
RLA	19.35	9.71	7.76
LRA	146	73	58.4
Type	SCROLL	SCROLL	SCROLL
Condenser Fan Data			
Quantity	1	1	1
Volts / Phase / Hertz	208/230-1-60	460-1-60	575-1-60
FLA	2.6	1.4	1.2
LRA	9.52	5.04	3.9
Blades / Diameter / Pitch	4 / 22 / 28	4 / 22 / 28	4 / 22 / 28
Hp / Rpm / Speeds	3/4 / 1140 / 1	3/4 / 1140 / 1	3/4 / 1140 / 1
Bearing Type	SLEEVE	SLEEVE	SLEEVE
Rotation (Shaft End)	CCW	CCW	CCW
WATTS	513	513	513
Nominal CFM	4500	4500	4500
Condenser Coil			
Rows / Fins per Inch	2 / 20	2 / 20	2 / 20
Total Face Area (FT ²)	16.76	16.76	16.76
Tube Diameter	3/8 Inch, Rifled	3/8 Inch Rifled	3/8 Inch Rifled
Refrigerant			
Type	R-22	R-22	R-22
Ounces	238	238	238
Expansion Device	TXV	TXV	TXV

UNIT SPECIFICATIONS

Evaporator Fan	MODELS		
	HPB075H000	HPB075L000	HPB075S000
Quantity, Blowers / Motors	1	1	1
Volts / Phase / Hertz	208/230-3-60	460-3-60	575-3-60
FLA	6	2.9	2.4
LRA	48.5	42.2	16.3
Type Drive (Belt or Direct)	Belt	Belt	Belt
Housing Size	BD11-11A	BD11-11A	BD11-11A
HP / RPM / Speeds	2 / 1725 / 1	2 / 1725 / 1	2 / 1725 / 1
Bearing Type (Rotation (Lead End))	Ball	Ball	Ball
Total Watts	1228	1228	1228
Total Standard CFM	2700	2700	2700
Motor Pulley (Browning Part #)	1VL40	1VL40	1VL40
Blower Pulley (Browning Part #)	AK54X3/4	AK54X3/4	AK54X3/4
Belt	A45	A45	A45
Motor Shaft Diameter	5/8	5/8	5/8
Blower Shaft Diameter	5/8	5/8	5/8
Evaporator Coil			
Rows / Fins per Inch	4 / 15	4 / 15	4 / 15
Total Face Area (FT ²)	8.22	8.22	8.22
Tube Diameter	3/8 Riffled	3/8 Riffled	3/8 Riffled
Controls			
Transformer VA	65	65	65
Compressor IPR Valve (psi)	450	450	450
High Press. Switch Auto Reset - Open / Close (psi)	420 / 300	420 / 300	420 / 300
Low Press. Switch Auto Reset - Open / Close (psi)	20 / 50	20 / 50	20 / 50
Compressor Anti Cycle Timer	n/a	n/a	n/a
Evaporator Freeze Thermostat Open / Close (F)	30 / 50	30 / 50	30 / 50
Misc.			
Unit Shipping Weight	728	728	728
Unit Operating Weight (lbs)	710	710	710

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	H	P	B	075	H	000	
H = Heat Pump							
Product Family							Options
P = Single Package							
Design Series							Electrical Characteristic
B							
Capacity (Nominal BTU)							H = 208/230-3-60, L = 460-3-60, S = 575-3-60
075 = 6-1/3 Ton							

ELECTRICAL DATA - ELECTRIC HEAT ACCESSORY

Heater Model #	Use With	Supply Voltage (Volts-Phase-Hz)	Nominal Btu/h	1 st / 2 nd Stage kW Rating	Supply Circuit Number	Heater Amps	Minimum Circuit Ampacity	Max. Fuse or NEC HACR Breaker (Amps)
AEB010CHA	6-1/3 Ton	240-3-60	34,130	10.0	L4-L5-L6	24.1	30.1	35
		208-3-60	25,598	7.5	L4-L5-L6	20.8	26.1	30
AEB015CHA	6-1/3 Ton	240-3-60	51,195	15.0	L4-L5-L6	36.1	45.2	50
		208-3-60	38,567	11.3	L4-L5-L6	31.4	39.3	40
AEB020CHA	6-1/3 Ton	240-3-60	68,260	10.0 / 20.0	L4-L5-L6 L7-L8-L9	24.1 24.1	30.1 30.1	35 35
			208-3-60	51,195	15.0	L4-L5-L6 L7-L8-L9	20.8 20.8	26.1 26.1
		240-3-60		85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	30.1 30.1	37.6 37.6
			208-3-60	64,164	9.4 / 18.8	L4-L5-L6 L7-L8-L9	26.1 26.1	32.7 32.7
AEB025CHA	6-1/3 Ton	240-3-60		85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	30.1 30.1	37.6 37.6
			208-3-60	64,164	9.4 / 18.8	L4-L5-L6 L7-L8-L9	26.1 26.1	32.7 32.7
		240-3-60		102,390	15.0 / 30.0	L4-L5-L6 L7-L8-L9	36.1 36.1	45.2 45.2
			208-3-60	76,793	11.25 / 22.5	L4-L5-L6 L7-L8-L9	31.4 31.4	39.3 39.3
AEB010CLA	6-1/3 Ton	480-3-60		34,130	10.0	L4-L5-L6	12.0	15.0
AEB015CLA	6-1/3 Ton	480-3-60	51,195	15.0	L4-L5-L6	18.1	22.6	25
AEB020CLA	6-1/3 Ton	480-3-60	68,260	10.0 / 20.0	L4-L5-L6 L7-L8-L9	12.0 12.0	15.0 15.0	15 15
			85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	15.1 15.1	18.8 18.8	20 20
AEB025CLA	6-1/3 Ton	480-3-60	85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	15.1 15.1	18.8 18.8	20 20
			102,390	15.0 / 30.0	L4-L5-L6 L7-L8-L9	18.1 18.1	22.6 22.6	25 25
AEB030CLA	6-1/3 Ton	480-3-60	102,390	15.0 / 30.0	L4-L5-L6 L7-L8-L9	18.1 18.1	22.6 22.6	25 25
AEB010CSA	6-1/3 Ton	600-3-60	34,130	10.0	L4-L5-L6	9.6	12.0	15
AEB015CSA	6-1/3 Ton	600-3-60	51,195	15.0	L4-L5-L6	14.5	18.1	20
AEB020CSA	6-1/3 Ton	600-3-60	68,260	10.0 / 20.0	L4-L5-L6 L7-L8-L9	9.6 9.6	12.0 12.0	15 15
			85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	12.1 12.1	15.1 15.1	20 20
AEB025CSA	6-1/3 Ton	600-3-60	85,325	12.5 / 25.0	L4-L5-L6 L7-L8-L9	12.1 12.1	15.1 15.1	20 20
			102,390	15.0 / 30.0	L4-L5-L6 L7-L8-L9	14.5 14.5	18.1 18.1	25 25
AEB030CSA	6-1/3 Ton	600-3-60	102,390	15.0 / 30.0	L4-L5-L6 L7-L8-L9	14.5 14.5	18.1 18.1	25 25

EXPANDED PERFORMANCE DATA (COOLING) - 6-1/3 TON, GROSS CAPACITY

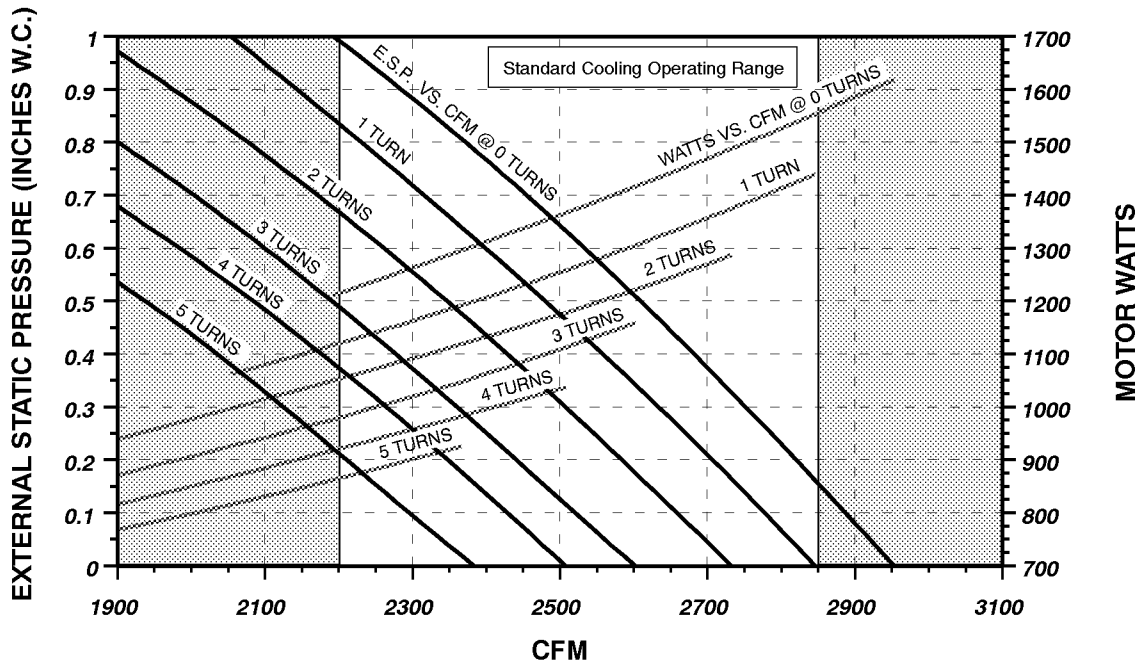
Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	3024	MBh	76.4	79.2	86.8	-	74.7	77.4	84.8	-	72.9	75.5	82.8	-	71.1	73.7	80.7	-	67.5	70.0	76.7	-	62.6	64.9	71.1	-
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.52	-	0.90	0.75	0.52	-
		KW	6.62	6.75	6.95	-	7.09	7.23	7.45	-	7.51	7.66	7.89	-	7.87	8.04	8.28	-	8.18	8.35	8.61	-	8.45	8.63	8.90	-
	2700	MBh	74.2	76.9	84.3	-	72.5	75.1	82.3	-	70.8	73.3	80.3	-	69.0	71.5	78.4	-	65.6	68.0	74.5	-	60.7	63.0	69.0	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		KW	6.58	6.70	6.90	-	7.04	7.18	7.39	-	7.45	7.60	7.83	-	7.81	7.97	8.22	-	8.12	8.29	8.55	-	8.39	8.56	8.83	-
	2376	MBh	70.5	73.1	80.1	-	68.9	71.4	78.2	-	67.2	69.7	76.3	-	65.6	68.0	74.5	-	62.3	64.6	70.7	-	57.7	59.8	65.5	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.82	0.69	0.48	-
		KW	6.48	6.60	6.80	-	6.93	7.07	7.28	-	7.34	7.49	7.71	-	7.69	7.85	8.09	-	7.99	8.16	8.41	-	8.25	8.43	8.69	-
75	3024	MBh	77.7	80.0	86.6	93.0	75.9	78.2	84.6	90.8	74.1	76.3	82.6	88.6	72.3	74.4	80.6	86.5	68.7	70.7	76.6	82.2	63.6	65.5	70.9	76.1
		S/T	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.87	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.91	0.69	0.45
		KW	6.67	6.80	7.00	7.21	7.15	7.29	7.51	7.74	7.57	7.72	7.95	8.20	7.94	8.10	8.35	8.61	8.25	8.42	8.68	8.96	8.52	8.70	8.97	9.26
	2700	MBh	75.5	77.7	84.1	90.3	73.7	75.9	82.1	88.2	72.0	74.1	80.2	86.1	70.2	72.3	78.2	84.0	66.7	68.7	74.3	79.8	61.8	63.6	68.8	73.9
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42
		KW	6.62	6.75	6.95	7.16	7.09	7.24	7.45	7.68	7.51	7.66	7.89	8.14	7.87	8.04	8.28	8.54	8.19	8.36	8.62	8.89	8.45	8.63	8.90	9.19
	2376	MBh	71.7	73.8	79.9	85.7	70.0	72.1	78.0	83.8	68.4	70.4	76.2	81.8	66.7	68.7	74.3	79.8	63.4	65.2	70.6	75.8	58.7	60.4	65.4	70.2
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41
		KW	6.53	6.65	6.85	7.05	6.99	7.13	7.34	7.56	7.39	7.54	7.77	8.01	7.75	7.91	8.15	8.41	8.06	8.22	8.48	8.75	8.32	8.49	8.76	9.04
80	3024	MBh	79.1	80.8	86.4	92.3	77.3	79.0	84.4	90.2	75.4	77.1	82.3	88.0	73.6	75.2	80.3	85.9	69.9	71.4	76.3	81.6	64.8	66.2	70.7	75.6
		S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.86	0.64
		KW	6.72	6.85	7.05	7.27	7.20	7.35	7.57	7.80	7.62	7.78	8.02	8.27	8.00	8.16	8.42	8.68	8.31	8.49	8.75	9.03	8.59	8.77	9.05	9.34
	2700	MBh	76.8	78.5	83.9	89.6	75.0	76.7	81.9	87.6	73.2	74.8	80.0	85.5	71.4	73.0	78.0	83.4	67.9	69.4	74.1	79.2	62.9	64.2	68.6	73.4
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
		KW	6.67	6.80	7.00	7.21	7.15	7.29	7.51	7.74	7.57	7.72	7.96	8.20	7.94	8.10	8.35	8.61	8.25	8.42	8.69	8.96	8.52	8.70	8.97	9.26
	2376	MBh	73.0	74.6	79.7	85.2	71.3	72.8	77.8	83.2	69.6	71.1	76.0	81.2	67.9	69.4	74.1	79.2	64.5	65.9	70.4	75.3	59.7	61.0	65.2	69.7
		S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.02	0.96	0.78	0.58
		KW	6.58	6.70	6.90	7.10	7.04	7.18	7.39	7.62	7.45	7.60	7.83	8.07	7.81	7.97	8.22	8.48	8.12	8.29	8.55	8.82	8.39	8.56	8.83	9.11
85	3024	MBh	80.5	82.1	85.9	91.7	78.6	80.1	83.9	89.5	76.7	78.2	81.9	87.4	74.9	76.3	79.9	85.3	71.1	72.5	75.9	81.0	65.9	67.2	70.3	75.0
		S/T	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	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83
		KW	6.77	6.90	7.11	7.32	7.26	7.40	7.62	7.86	7.68	7.84	8.08	8.33	8.06	8.23	8.48	8.75	8.38	8.56	8.82	9.11	8.66	8.84	9.12	9.41
	2700	MBh	78.1	79.7	83.4	89.0	76.3	77.8	81.5	86.9	74.5	76.0	79.6	84.9	72.7	74.1	77.6	82.8	69.1	70.4	73.7	78.7	64.0	65.2	68.3	72.9
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		KW	6.72	6.85	7.05	7.27	7.20	7.35	7.57	7.80	7.62	7.78	8.02	8.27	8.00	8.16	8.42	8.68	8.31	8.49	8.75	9.03	8.59	8.77	9.05	9.34
	2376	MBh	74.2	75.7	79.3	84.6	72.5	73.9	77.4	82.6	70.8	72.2	75.6	80.6	69.1	70.4	73.7	78.7	65.6	66.9	70.0	74.7	60.8	62.0	64.9	69.2
		S/T	0.94	0.90	0.81	0.66	0.97	0.94	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		KW	6.62	6.75	6.95	7.16	7.09	7.23	7.45	7.68	7.51	7.66	7.89	8.14	7.87	8.04	8.28	8.54	8.18	8.35	8.61	8.89	8.45	8.63	8.90	9.19

* Entering Indoor Temperature - Degrees F. Dry Bulb Standard Rating

EXPANDED PERFORMANCE DATA (HEATING) - 6-1/3 TON, 208/230 VOLT

	Outdoor Ambient Temperature - Degrees F. Dry Bulb																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	89.2	84.5	79.6	74.3	71.0	68.8	63.9	58.9	51.8	47.8	44.1	41.6	40.1	35.9	31.9	27.8	23.7	19.4
T/R	30.6	29.0	27.3	25.5	24.3	23.6	21.9	20.2	17.8	16.4	15.1	14.3	13.7	12.3	10.9	9.5	8.1	6.7
KW	7.06	6.93	6.80	6.68	6.61	6.55	6.43	6.31	6.44	6.30	6.17	6.10	6.04	5.91	5.78	5.65	5.52	5.39
COP	3.70	3.57	3.42	3.26	3.15	3.07	2.91	2.73	2.36	2.22	2.09	2.00	1.94	1.78	1.61	1.44	1.26	1.06
EER	12.6	12.2	11.7	11.1	10.7	10.5	9.9	9.3	8.1	7.6	7.1	6.8	6.6	6.1	5.5	4.9	4.3	3.6

BELT DRIVE BLOWER PERFORMANCE DATA - 6-1/3 TON UNITS - 208 VOLTS



NOTES: 1) Maximum motor Watts is 1538 Watts. 2) Maximum blower speed is 1400 RPM. 3) Contact factory for applications requiring operation outside standard cooling operating range. 4) Airflow data is based on dry coil with filters. 5) Pulley turns refers to turns out. In other words, 0 turns is a narrower sheave than 5 turns. 6) Blowers speed MUST be set to give the correct air temperature rise through the unit as marked on the Rating Plate.

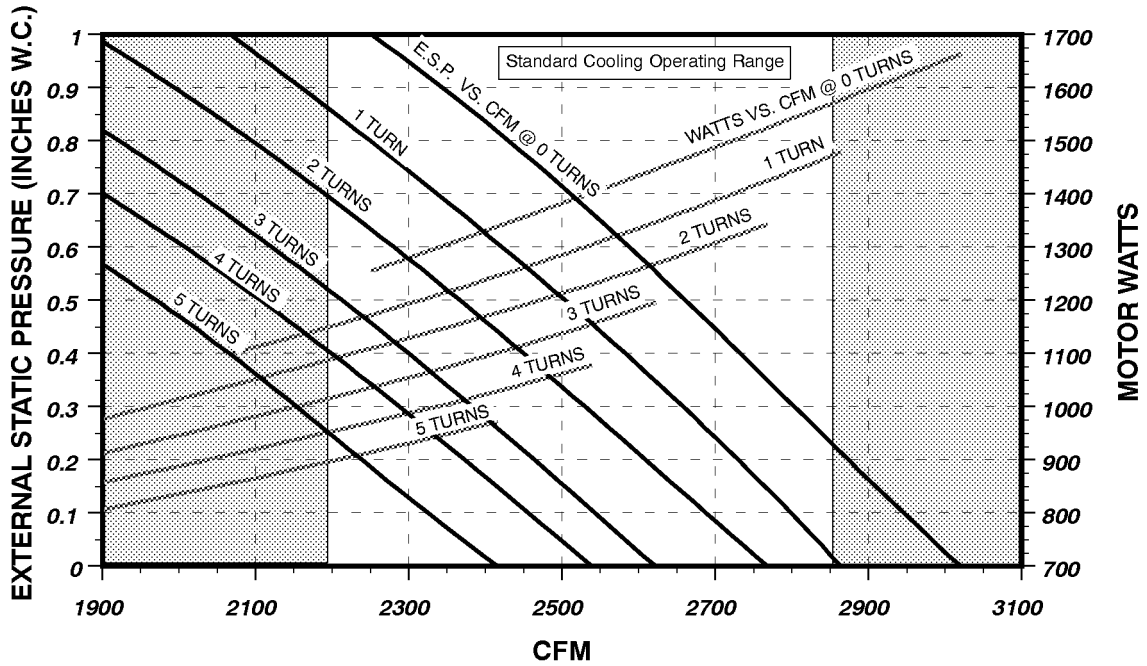
NUMBER OF TURNS	EXTERNAL STATIC PRESSURE IN INCHES WATER COLUMN														
	.2			.4			.6			.8			1.0		
	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM
0	2820	1538	1239	2682	1460	1242	2534	1380	1246	2372	1298	1249			
1	2707	1361	1198	2558	1283	1200	2399	1207	1203	2231	1133	1205			
2	2584	1213	1154	2429	1145	1156	2262	1077	1158						
3	2441	1081	1108	2278	1011	1110									
4	2348	976	1061												
5	2211	863	1014												

NOTE: For entering air flow correction factors and voltage correction factors for cooling and heating, see page 7. Will operate at rated ESP in either horizontal or downflow duct position.

PULLEY TURNS OPEN	0	1	2	3	4	5
RPM WITH 2 HP STD PULLEY	1245	1202	1157	1111	1064	1017

FACTORY SETTING TURNS OPEN	
2 HP STD PULLEY	2

BELT DRIVE BLOWER PERFORMANCE DATA 6-1/3 TON UNITS - 240, 460 & 575 VOLTS



NOTES: 1) Maximum motor Watts is 1582 Watts. 2) Maximum blower speed is 1400 RPM. 3) Contact factory for applications requiring operation outside standard cooling operating range. 4) Airflow data is based on dry coil with filters. 5) Pulley turns refers to turns out. In other words, 0 turns is a narrower sheave than 5 turns. 6) Blower speed MUST be set to give the correct air temperature rise through the unit as marked on the Rating Plate.

NUMBER OF TURNS	EXTERNAL STATIC PRESSURE IN INCHES WATER COLUMN														
	.2			.4			.6			.8			1.0		
	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM	CFM	WATTS	RPM
0				2733	1505	1250	2588	1428	1253	2430	1346	1255	2251	1255	1258
1	2730	1404	1205	2583	1327	1207	2422	1248	1209	2250	1172	1211			
2	2609	1263	1159	2450	1191	1161	2281	1121	1163						
3	2464	1122	1112	2300	1055	1114									
4	2373	1013	1065	2199	953	1067									
5	2239	910	1017												

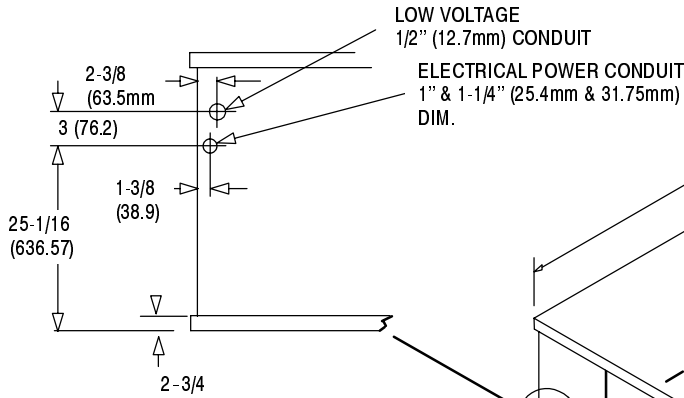
NOTE: For entering air flow correction factors and voltage correction factors for cooling and heating, see page 7. Will operate at rated ESP in either horizontal or downflow duct position.

PULLEY TURNS OPEN	0	1	2	3	4	5
RPM WITH 2 HP STD PULLEY	1255	1210	1165	1115	1070	1020

FACTORY SETTING TURNS OPEN	
2 HP STD PULLEY	2

UNIT DIMENSIONS

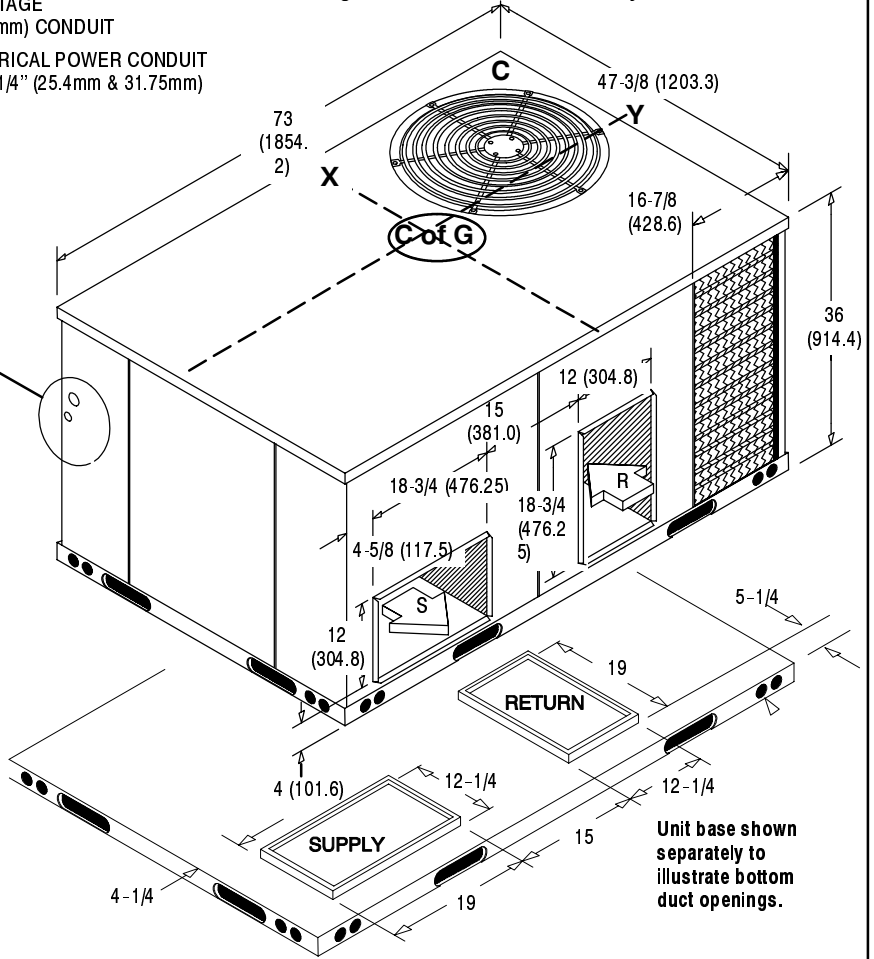
Note: Duct connections for downflow discharge are made to roof curb only.



ALL DIMENSIONS IN INCHES (MM)

Center of Gravity (Inches)		
Unit Size	X axis	Y axis
6-1/3	34	20

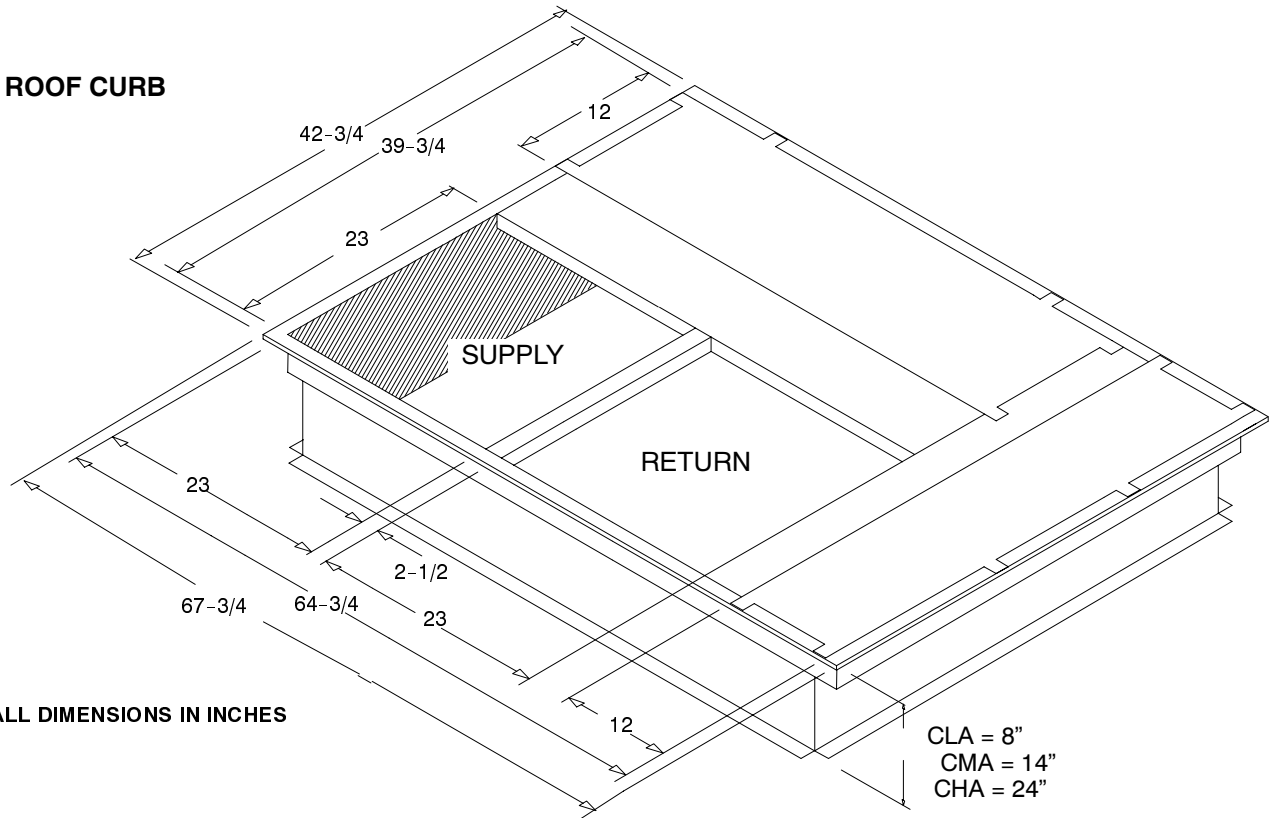
Note: To determine Center of Gravity, get appropriate measurements from the table above, then measure from the corner of the unit marked "C", making sure to use the correct measurement for the axis you are measuring. See example of typical center of gravity determination on dimensional drawing to the right.



Unit base shown separately to illustrate bottom duct openings.

ACCESSORIES

ROOF CURB



ROOF CURBS

Description	Model Number	Used on
8"	AXB030CLA	6 1/3 Ton
14"	AXB030CMA	6 1/3 Ton
24"	AXB030CHA	6 1/3 Ton

OUTDOOR AIR DAMPERS

Description	Model Number	Used on
Manual - 25%	AXB030FAC	6 1/3 Ton
Motorized - 25%	AXB030FMC	6 1/3 Ton

COIL PROTECTION

Description	Service Parts Number *	Used on
Coil Guard	1149486	6 1/3 Ton
Hail Guard	1065342	6 1/3 Ton

CONCENTRIC DUCT KIT

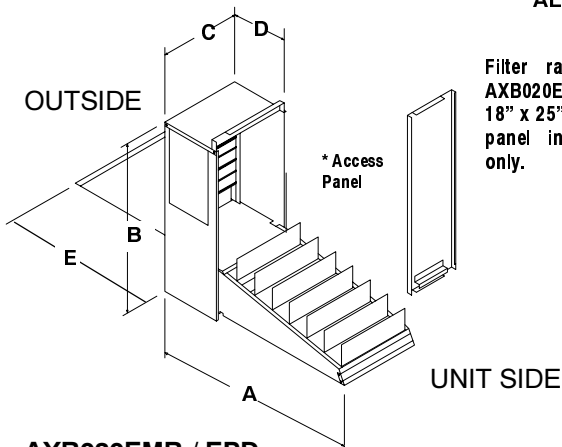
Description	Mainline Model Number	Used on
Roof Curb Transition Square to Round	AXB030CTA	6 1/3 Ton
Grille, Flush Mount	AXB040CFA	6 1/3 Ton
Grille, Step Down	AXB040CSA	6 1/3 Ton

LOW AMBIENT CONTROLS

Description	Service Parts Number*	Used on
To 0° F	1071675	6 1/3 Ton

ECONOMIZERS/DOWNFLOW

ALL DIMENSIONS IN INCHES



Filter racks are included with AXB020E**. Economizers require 18" x 25" x 1" or 2" filters. Access panel included with AXB030E** only.

AXB030EMB / EPD (Modulating or Three Position)

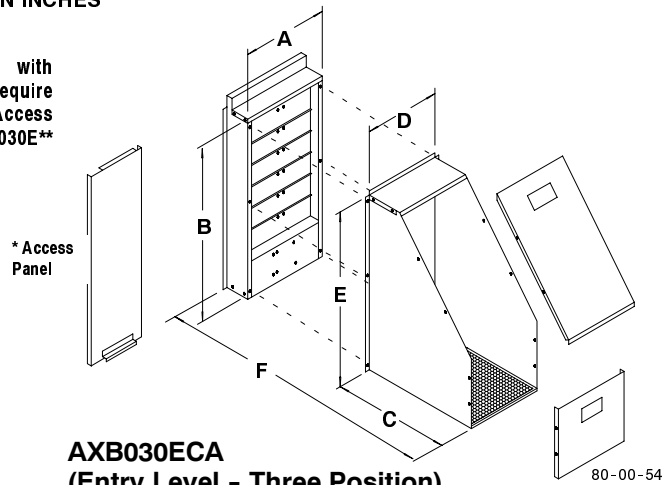
Economizer Model No.	A	B	C	D	E
AXB030EMC/PD	35	31	14-3/4	10-7/8	22

All Economizers Feature Enthalpy and/or ambient temperature control providing outdoor air ventilation and "free cooling" when outdoor conditions are favorable.

Return Air and Pressure Relief dampers for proper air balance, on most models.

Interconnecting wiring furnished.

Center controlled dual action dampers with gaskets to provide proper seal.



AXB030ECA (Entry Level - Three Position)

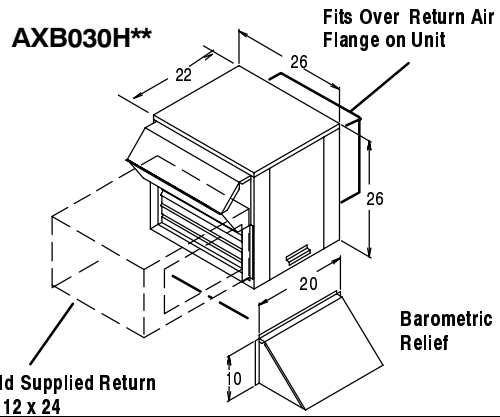
Economizer Model No.	A	B	C	D	E	G
AXB030ECA	14-3/4	31	20-1/4	13	30	24

Description	Model Number	Used on
Fully Modulating (1)	AXB030EMC	3 to 6-1/3 Ton
Three Position (2)	AXB030EPD	
Entry Level Three Position (3)	AXB030ECA	

NOTES:

- (1) - Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
- (2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.
- (3) - Ambient Control Only; No Return Air Damper; No Relief Damper.
- (4) - On AXB030, Filters not supplied. Filter retainers and filters can be ordered thru Service Parts, retainer part number 1054517. Filters (20x30x2) part number 1054503.

ECONOMIZERS/HORIZONTAL



Description	Model Number	Used on
Fully Modulating (1)	AXB030HEC	3 to 6-1/3 Ton
Three Position (2)	AXB030HPD	

NOTES:

- (1) - Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
- (2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.

GUIDE SPECIFICATION

CABINET

The cabinet is made of sturdy G-90 galvanized steel. Triple-coated, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment. Access panels for easy service. Base rails are 16 gauge steel with fork lift slots and holes provided for lifting shackles. Unit is designed for convertible airflow and is shipped ready for downflow application. Conversion to horizontal airflow is accomplished by relocating two panels.

Return air compartments are insulated with 1" (25.4mm) of water resistant coated glass fiber and 1" (25.4mm) of aluminum foil faced glass fiber in the supply/return compartments.

COOLING SECTION

Units are factory charged and operationally ready. Each refrigerant circuit has a compressor with internal overload protection, high and low charge pressure switches, filter drier, and copper tube/aluminum fin evaporator and condenser coils.

Units are capable of cooling operation down to 40°F (17.4°C) as shipped from the factory.

COILS

The evaporator and condenser coils are fabricated with aluminum fins mechanically bonded to copper tubing. Both coils are pressure tested prior to assembly into the unit and electronically leak tested after assembly into the unit. The evaporator coil is protected from dust and debris on the return air side by factory installed 2" (50.8mm) air filters.

CONDENSER FAN

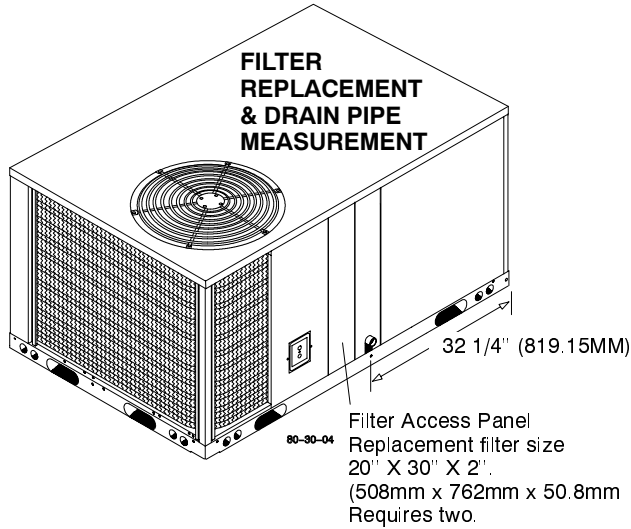
The unit has a single direct drive propeller fan/motor assembly mounted directly to a vertical-discharge grille panel that is easily removable. Motors are 1075 RPM with permanently lubricated sleeve bearings and inherent overload protection.

EVAPORATOR BLOWER

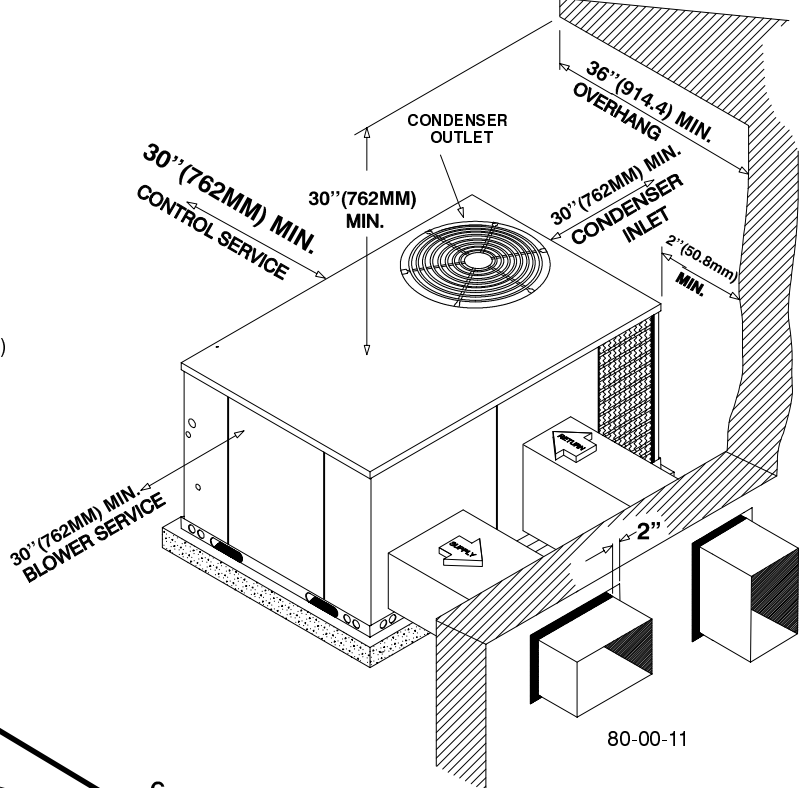
The units have belt drive blowers for high static applications. The evaporator blower system has the capability to operate against the same rated external static pressure in downflow or horizontal duct designs.

HEATING SECTION

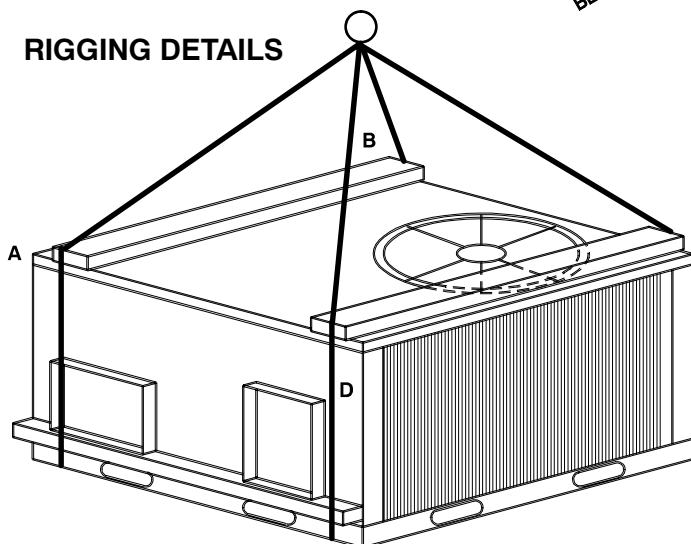
The heating compartment shall be easily accessible and accept the optional slide-in electric heat accessory packages.



INSTALLATION CLEARANCES



RIGGING DETAILS



CORNER WEIGHTS (LBS)

Unit Size (Ton)	A	B	C	D	OPERATING WEIGHT TOTAL
6-1/3	139.6	191.1	219.2	160.1	710