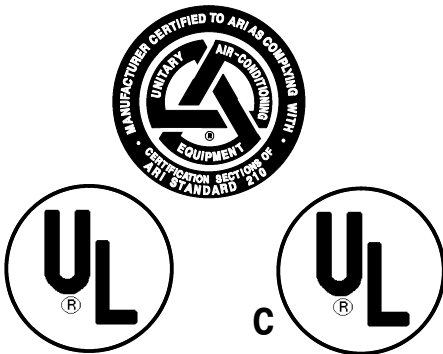


PGB 3 to 5 Ton



10 SEER



CONVERTIBLE SINGLE PACKAGE GAS/ELECTRIC UNIT

SINGLE PACKAGE

- Combination gas heating and electric cooling, self contained for year-round comfort. Systems can be installed on rooftop or ground level with the new convertible design. 6¹/₃ Ton unit has two-stage cooling.

CABINET

- 20 gauge hot dipped galvanized steel, phosphate-coated with a tough acrylic finish. One piece weather resistant top. Access panels for easy service. Side by side supply and return. Heavy gauge base with rails.

INTEGRAL BASE RAILS

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

IMPROVED INSULATION

- Dual density insulation improves temperature separation.

INDOOR BLOWER

- Adjustable Electronic Fan Control with optional low speed, continuous fan feature responds quickly to circulate heated air and provide maximum comfort.
- Standard direct drive blower on all models.
- "No Difference" Design - Unit will operate at the same rated External Static Pressure in the down shot or horizontal duct position.

INTERNAL AIR FILTERS

- Easy access air filters to maintain a clean evaporator coil.

COPPER TUBE/ALUMINUM FIN COILS

- Enhanced aluminum fins mechanically bonded to 3/8" copper tubes for improved heat transfer.

FILTER DRIERS

- To insure refrigerant cleanliness.

COMPRESSORS

- Scroll compressors on 4 and 5 ton models, Recip compressor on 3 ton models.

HIGH & LOW PRESSURE SWITCHES

- To provide excellent compressor protection.

FREEZE THERMOSTAT

- Mounted to evaporator, prevents coil freeze up.

EXTERNALLY-MOUNTED GAUGE PORTS

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

INDUCED DRAFT COMBUSTION SYSTEM

- For smoother combustion and optimal efficiency.

ALUMINIZED TUBULAR HEAT EXCHANGER

- Tubular design delivers efficient heat transfer and air flow: aluminized coating protects against corrosion.

IGNITION SYSTEM

- Honeywell Electronic Hot Surface/Pilot (HSP) Ignition system.

IN-SHOT BURNERS

- New design delivers more complete, efficient combustion.

PRE-WIRED FOR ECONOMIZER

- Designed for slide in, plug in economizer installation.

65VA TRANSFORMER

- Standard 65 VA transformer has built-in secondary circuit breaker standard on all models.

WARRANTY

- One (1) year limited warranty on parts.
- Five (5) year limited warranty on the compressor.
- Ten (10) year limited warranty on the gas fired heat exchanger.

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS
• COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED
HOME AIR CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

International Comfort Products
650 Heil-Quaker Avenue, Lewisburg, TN 37091

509 71 1101 04
10/3/03

UNIT SPECIFICATIONS

MODEL NUMBER	Electrical Data				Condenser Data											
	Voltage Phase - Hz	Max. Fuse	Ampacity	Total Unit Amps	Coil			Fan Motor			Fan					
					Total Face Area Sq. Feet (Sq. Meters)	Fins Per In. / Rows	Tube Diameter In.(mm.)	Horsepower	Full Load Amps	Locked Rotor Amps	Size Diameter In.(mm)	RPM (Max.)	CFM (Max.)			
PGB036D1H	208/230-3-60	25	17.8	15.6	12.5 (1.16)	20 / 1	3/8 (9.52)	.75	2.6	9.52	22(558.8)	1165	3500			
PGB036D1L	460-3-60	15	9.1	8.0				.75	1.4	4.8						
PGB036F1H	208/230-3-60	25	18.8	16.6	17.2 (1.6)	20 / 1	3/8 (9.52)	.75	2.6	9.5	22(558.8)	1155	4500			
PGB048D1H	208/230-3-60	35	23.4	20.1				.75	2.6	9.52						
PGB048D1L	460-3-60	15	11.8	10.2				.75	1.4	5.04						
PGB048F1H	208/230-3-60	35	23.6	20.3				.75	2.6	9.52						
PGB048F1L	460-3-60	15	11.9	10.3	.75	1.4	5.04	17.2	20 / 1	3/8	.75	2.6	9.52	22	1155	4500
PGB060D1H	208/230-3-60	50	34.2	28.9	.75	1.4	5.4									
PGB060D1L	460-3-60	20	15.3	13.0	.75	1.4	5.4									
PGB060E1H	208/230-3-60	50	34.2	28.9	.75	2.6	9.52									
PGB060E1L	460-3-60	20	15.3	13.0	.75	1.4	5.4									
PGB060G1H	208/230-3-60	50	35.2	29.9	.75	2.6	9.52									
PGB060G1L	460-3-60	20	15.8	13.5	.75	1.4	5.4									

MODEL NUMBER	Evaporator Coil											Factory Refrigerant Charge R-22 Oz.	Sound Rating (Bels)	Ship. Weight Lbs.(Kg)			
	Coil			Blower		Motor		Blower		Compressor							
	Total Face Area Sq. Feet (Sq. Meters)	Fins Per In. / Rows	Tube Diameter In.(mm)	Blower H.P. / Type / Speeds	Full Load Amps	Locked Rotor Amps	Type & Size	RPM (Maximum)	CFM Rated	Full Load Amps	Locked Rotor Amps						
PGB036D1H	8.2 (.76)	15 / 2	3/8 (9.52)	.5 / PSC / 4	4.0	7.1	DD10-8	1090	1200	9.0	70	104	8.0	590(267.6)			
PGB036D1L				4.0	7.1	4.6				33	590(267.6)						
PGB036F1H				1 / PSC / 4	5.0	11.1				9.0					70	590(267.6)	
PGB048D1H	8.2	15 / 2	3/8 (9.52)	.5 / PSC / 4	4.4	8.6	DD10-9	1110	1600	13.1	91	113	7.8	610(276.7)			
PGB048D1L				.5 / PSC / 4	4.4	8.6				DD10-9	1110				6.6	46	610(276.7)
PGB048F1H				1 / PSC / 3	4.6	7.9				DD11-11	1075				13.1	91	
PGB048F1L				1 / PSC / 3	4.6	7.9				DD11-11	1075				6.6	46	620(281.2)
PGB060D1H	8.2 (.76)	14 / 3	3/8 (9.52)	1 / PSC / 4	5.0	8.7	DD11-11	1050	2000	21.3	128	99	8.0	635(288.0)			
PGB060D1L					5.0	8.7		1050		7.9	63				635(288.0)		
PGB060E1H					5.0	8.7		1050		21.3	128					630(285.0)	
PGB060E1L					5.0	8.7		1050		9.1	63				635(288.0)		
PGB060G1H					6.0	15.1		1120		21.3	128					640(290.3)	
PGB060G1L					6.0	15.1		1120		9.1	63				640(290.3)		

MODEL NUMBER IDENTIFICATION GUIDE

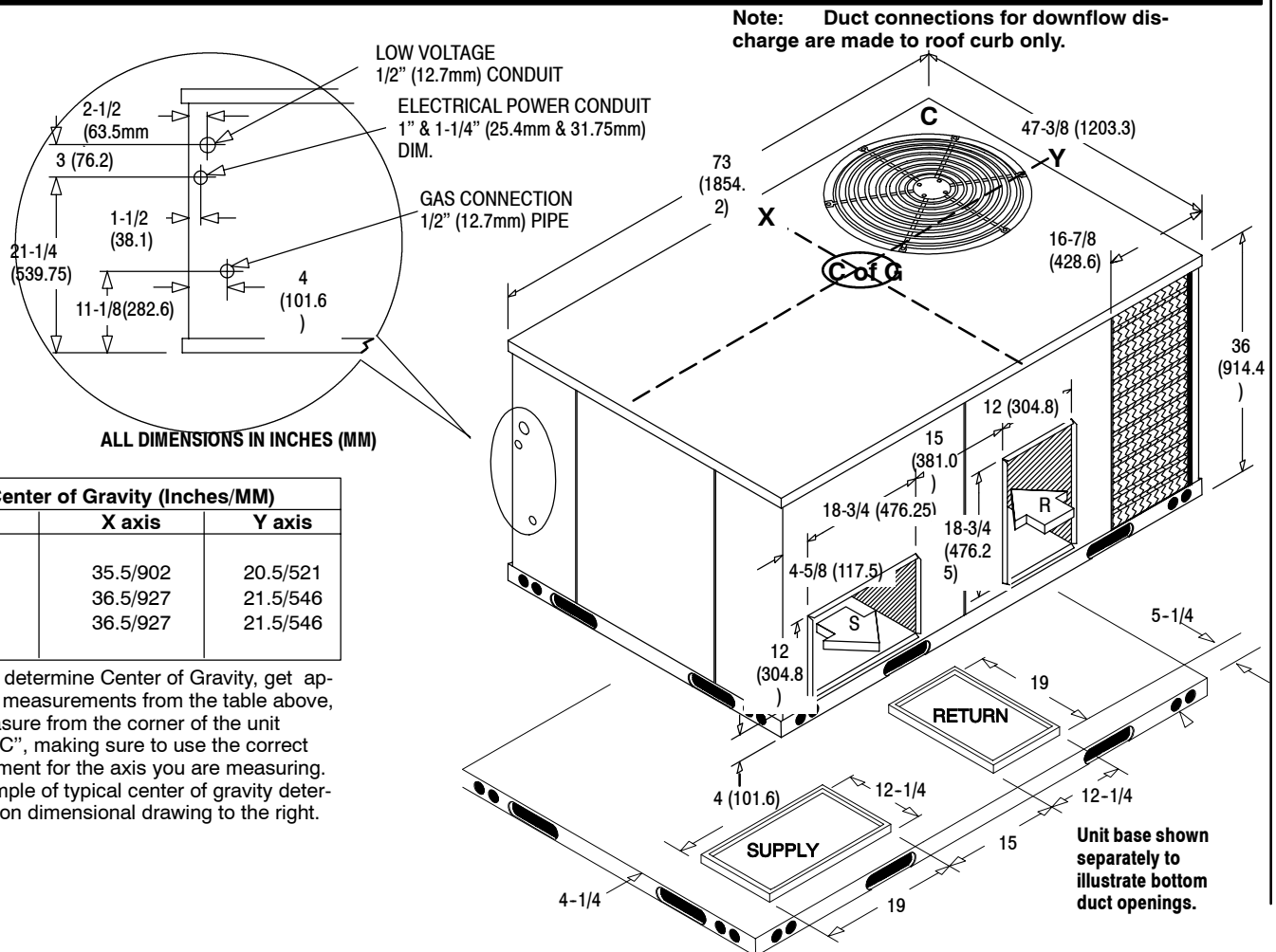
MODEL NUMBER	P	G	B	036	D	1	H
Product Family P = Single Package							Electrical Characteristics H = 208 / 230-3-60 L = 460-3-60
Fuel Type G = Gas / Electric							Blower Options For 036 - 060: 1 = Standard Direct Drive
Design Series B = Architectural Stone Color, HSP Ignition System							Gas Heat Input D = 90,000 F = 135,000 E = 115,000 G = 150,000
Capacity (Nominal BTU) 036 = 3 Ton 060 = 5 Ton 048 = 4 Ton							

STANDARD (DIRECT DRIVE) BLOWER PERFORMANCE DATA

Model Number	Motor Speed	Air Delivery in CFM * External Static Pressure (In. W.C.)					
		.20	.30	.40	.50	.60	.70
PGB036D PGB036F	HI	1585	1535	1480	1415	1345	1265
	MD HI	1480	1440	1390	1335	1275	1200
	MD LO LO	1385 1315	1350 1290	1315 1250	1265 1205	1210 1150	1140 1085
PGB048D	HI	1880	1795	1725	1650	1570	1485
	MD HI	1735	1680	1620	1560	1485	1405
	MD LO LO	1540 1480	1505 1430	1465 1395	1415 1345	1350 1290	1280 1225
PGB048F	HI	2185	2125	2085	2010	1950	1875
	MD HI	1805	1775	1735	1690	1635	1580
	MD LO LO	--- 1685	--- 1660	--- 1625	--- 1585	--- 1540	--- 1485
PGB060D PGB060E	HI	2250	2190	2125	2060	1990	1915
	MD HI	2090	2045	1995	1935	1875	1805
	MD LO LO	1650 1315	1630 1300	1600 1280	1665 1255	1525 1225	1475 1185
PGB060G	HI	2400	2325	2250	2170	2085	2000
	MD HI	2335	2270	2200	2125	2050	1965
	MD LO LO	2205 2095	2145 2040	2080 1985	2015 1920	1940 1855	1865 1780

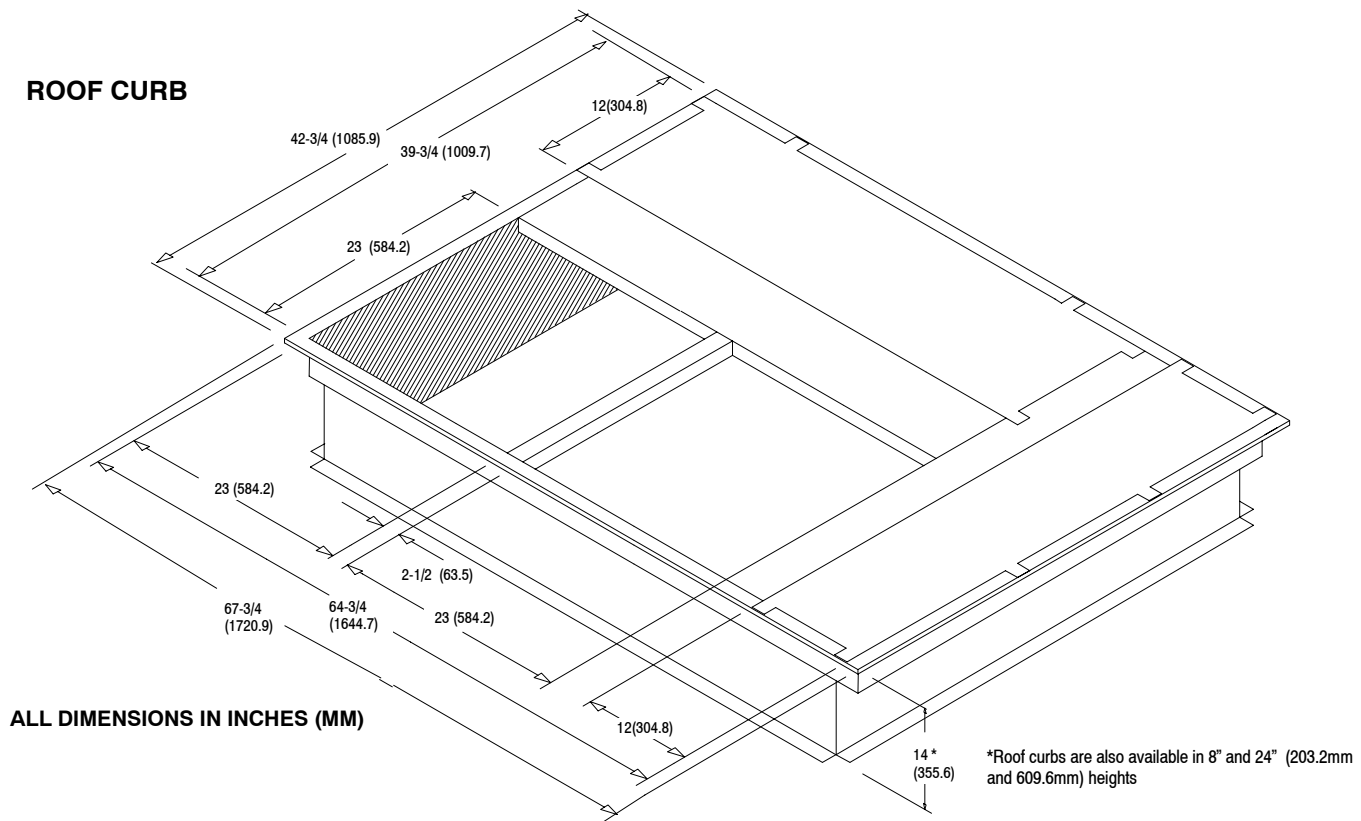
Air delivery against shown external static pressures taken with 230V to unit, dry coil. For wet coil subtract approx. .25 CFM. Will operate at rated ESP in either horizontal or downflow duct position. * Dry coil, with filter.

UNIT DIMENSIONS



ACCESSORIES

ROOF CURB



ALL DIMENSIONS IN INCHES (MM)

ROOF CURBS

Description	Model Number	Used on
8"	AXB030CLA	3 - 5 Ton
14"	AXB030CMA	3 - 5 Ton
24"	AXB030CHA	3 - 5 Ton
Roof Curb Transition to Round Duct	AXB030CTA	3 - 5 Ton

FOSSIL FUEL CONVERSION

Description	Service Parts Number *	Used on Heat Input
Natural to LP Gas	1149435	90 - 115 MBTUH
	1148140	135 - 150 MBTUH
LP to Natural Gas	1148142	90 - 150 MBTUH

*Available through service parts only

CONCENTRIC DUCT KIT

Description	Mainline Model Number	Used on
Roof Curb Transition Square to Round	AXB030CTA	3 to 6 1/3 Ton
Grille, Flush Mount	AXB030CFA	3 to 5 Ton
Grille, Step Down	AXB030CSA	3 to 5 Ton

NATURAL GAS LOW FIRE KITS

Description	Service Parts Number *	New Low Fire Heat Input
90,000 BTUH Kit	1148135	75,000 BTUH
115,000 BTUH Kit	1148136	95,000 BTUH
135,000 BTUH Kit	1148137	110,000 BTUH
150,000 BTUH Kit	1148138	130,000 BTUH

*Available through service parts only

OUTDOOR AIR DAMPERS

Description	Model Number	Used on
Manual - 25%	AXB030FAB	3 - 5 Ton
Motorized - 25%	AXB030FMB	3 - 5 Ton

COIL PROTECTION

Description	Model Number	Used on
Coil Guard	1149486	3 - 5 Ton
Hail Guard	1068134	3 - 5 Ton

LOW AMBIENT CONTROLS

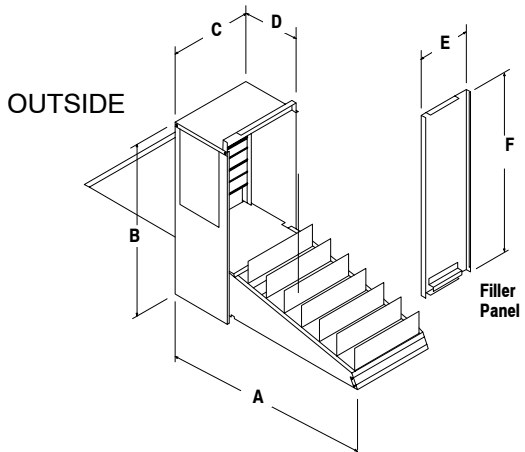
Description	Service Parts Number	Used on
To 0° F	1148233	3 - 5 Ton

*Available through service parts only

ACCESSORIES

ECONOMIZER FEATURES: DOWNFLOW AND HORIZONTAL

- Provides outdoor air ventilation, automatic free cooling when favorable outside conditions exist, with pressure relief for proper air balance on selected models.
- Interconnecting wiring furnished
- 24 volt system
- Center mounted, dual action, dampers with gasketing ensure proper seal.
- Barometric pressure relief damper is standard on some models.
- Enthalpy controls on selected models.



Modulating & Three Position Economizers

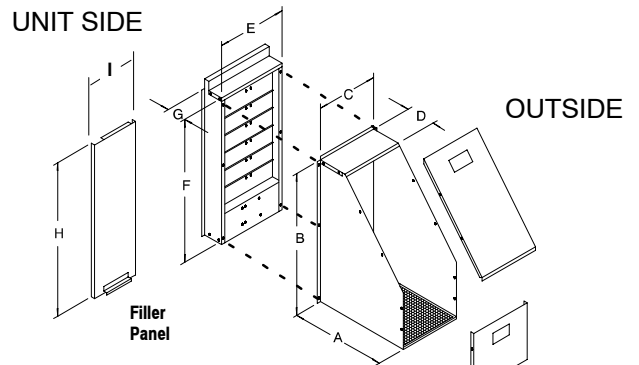
ECONOMIZERS - DOWNFLOW

Description	Model Number	Used on
Fully Modulating	AXB030EMB *1	3 - 5 Ton
Three Position	AXB030EPD *2	3 - 5 Ton
Three Position (Entry Level)	AXB030ECA *3	3 - 5 Ton

* 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.



Entry Level Economizers

ALL DIMENSIONS IN INCHES

80-00-54

Economizer Model No.	A	B	C	D	E	F
AXB030E**	35	31	14-3/4	10-7/8	9-3/8	32-1/2

Economizer Model No.	A	B	C	D	E	F	G	H	I
AXB030ECA	20 ¹ / ₄	30	13	6	12 ³ / ₄	31	4 ¹ / ₈	32 ¹ / ₂	9-3/8

ECONOMIZERS - HORIZONTAL

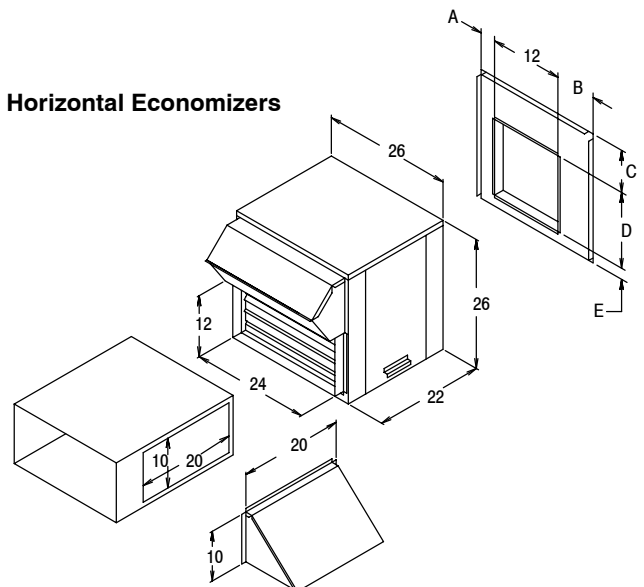
Description	Model Number	Used on
Fully Modulating	AXB030HEB *1	3 - 5 Ton
Three Position	AXB030HPD *2	3 - 5 Ton

* 1 - Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.

* 2 - Ambient Control Only; Includes Return Air Damper & Relief Damper.

Economizer Model No.	A	B	C	D	E
AXB030H**	9-3/4	4	6	18-3/4	1

Horizontal Economizers



ALL DIMENSIONS IN INCHES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

GUIDE SPECIFICATION

CABINET

The cabinet is made of sturdy G-90 galvanized steel, phosphate coated with a tough acrylic finish. Base rails are 18 gauge steel with fork lift slots and holes provided for lifting shackles. Unit is designed for convertible air-flow 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 furnace/supply compartments.

COOLING SECTION

Units are factory charged and operationally ready. Each refrigerant circuit has a compressor with internal overload protection, high and low 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.

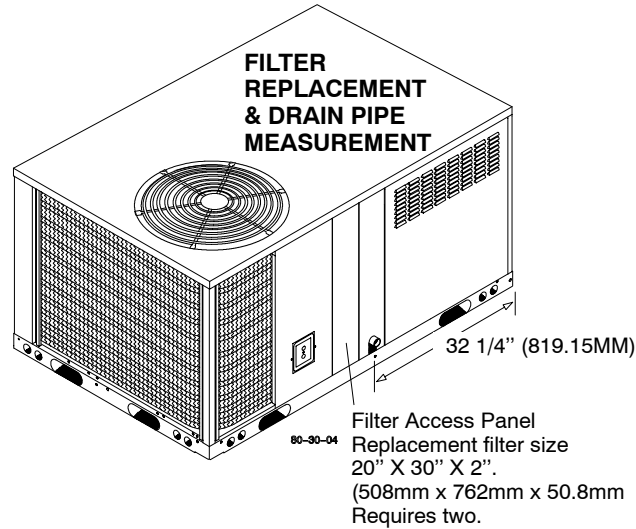
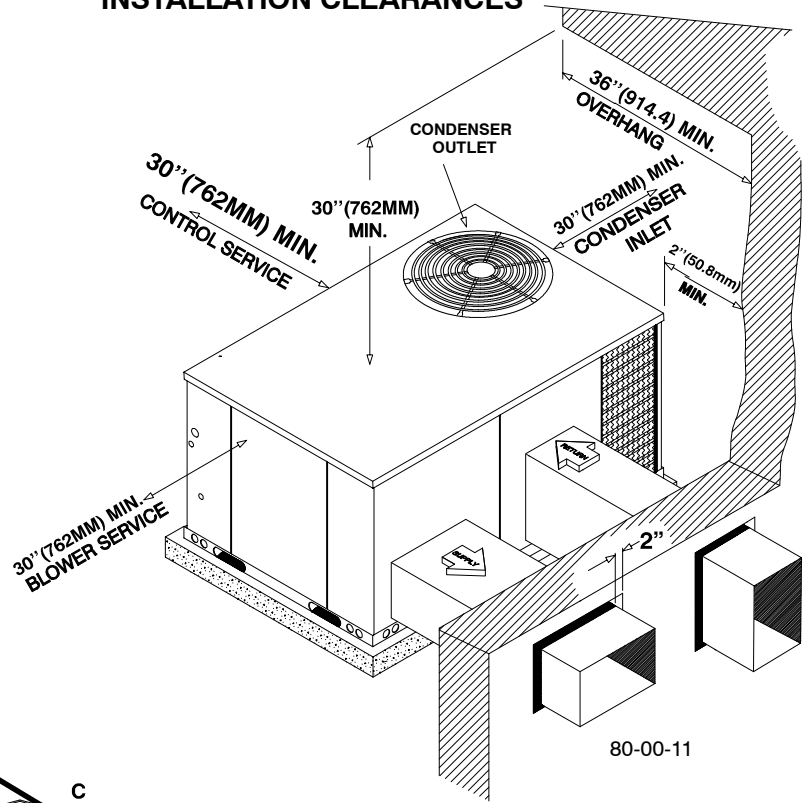
EVAPORATOR BLOWER

The standard direct drive blower for the PGB036-060 has the motor mounted inside a single, double inlet centrifugal wheel and has internal overload protection and permanently lubricated ball bearings or sleeve bearings with oilers. The evaporator blower system has the capability to operate against the same rated external static pressure in downflow or horizontal duct designs.

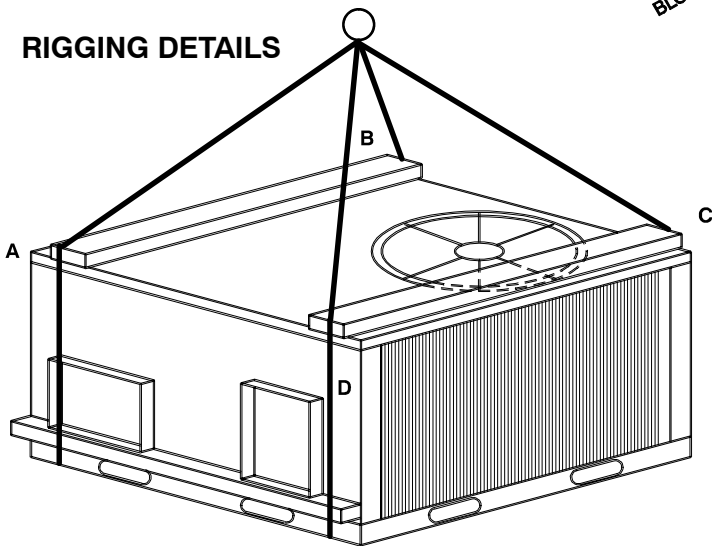
HEATING SECTION

The units have aluminized steel tubular heat exchangers located on the discharge side of the evaporator blower with a single stage gas valve. The units have in-shot burners that are ignited by an electronic hot surface pilot with flame proving feature and protected by both a limit switch and flame roll-out switch. The induced draft blower motor is interlocked with a proven air pressure safety device.

INSTALLATION CLEARANCES



RIGGING DETAILS



CORNER WEIGHTS (LBS/KGS)

MODEL	A	B	C	D	OPERATING WEIGHT TOTAL
3 Ton	122/55.3	163/74.0	172/78.0	129/58.5	586/265.8
4 Ton	137/62.1	169/76.7	169/76.7	137/62.1	612/277.6
5 Ton	141/64.0	173/78.5	173/78.5	141/64.0	628/284.9