

TECHNICAL GUIDE

**Single Package
Air Conditioner/Gas Heat
13.4 SEER2 (14 SEER)
R-410A - Three-Phase
3 ton to 5 Nominal ton - 208/230 V
50 to 125 MBH Heat Input
Models: PCG4*36 to 60**



Assembled at a facility with
an ISO 9001:2015-certified
Quality Management
System



Due to continuous product improvement, specifications are subject to change without notice.

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www.ahridirectory.org

Warranty summary*

Standard 1-year limited parts warranty.

Standard 5-year limited compressor warranty.

Lifetime gas heat exchanger warranty with registration.

See the limited warranty certificate in the *User's Information Manual* for details.

Description

These packaged cooling/heating air conditioners are designed for outdoor installation. Only utility and duct connections are required at the point of installation.

Features

- **Operating efficiency** - All PCG4 model gas units provide a minimum AFUE of 81.0% in heating and 13.4 SEER2 (14 SEER), 11.0 EER2 rating for cooling operation. All models meet California Low NOx requirements of 40 ng/J emission level for Air Quality Management Districts.
- **On-site flexibility** - All model sizes use a compact design cabinet in one of two footprints. This provides installer flexibility for placing the proper capacity unit on curbs or pads with the smallest footprint after the internal load has been determined. Field convertible duct connections from side shot to down shot allow the installer to have greater flexibility with less inventory.
- **Lower installation cost** - Installation time and costs are reduced by easy power and control wiring connections. The small base dimension means less space is required on the ground or roof. All units are completely wired, charged with R-410A, and tested prior to shipment. Test stations using a state-of-the-art computerized process system are used to ensure product quality. Refrigerant charge and component part numbers are verified using computers during assembly. Vital run test statistics such as system pressure, motor currents, air velocity and temperature, unit vibration, and gas system safeties are monitored and recorded by the system to ensure unit performance. Equal size side supply and return duct connections allow easy connection of ducts to match low crawl spaces without transition pieces.
- **Utility connections made easy** - Gas and electric utility access is provided through the bottom or side of the unit. Utility connections can be made quickly and with a minimum amount of field labor. A field-supplied and field-installed electrical disconnect switch must be installed.
- **Convertible airflow design** - The bottom duct openings are covered when they leave the factory, ready to be used for a side supply/side return application. If a bottom supply/bottom return application is required, remove the two panels from the bottom of the unit and place them in the side supply/side return duct openings. No panel cutting is required and no accessory panel is necessary. Convertible airflow design allows maximum field flexibility and minimum inventory.
- **Condensate pan** - A corrosion-resistant, long-lasting, water-tight pan is positioned below the indoor coil to collect and drain all condensate, preventing buildup of stagnant condensate. The condensate pan conforms to ASHRAE 62-19 standards (Ventilation for Acceptable Indoor Air Quality).
- **Condensate drain** - The 3/4 in. NPT female connection is rigidly mounted to ensure proper fit and leak tight seal.
- **Durable finish** - The cabinet is made of G90 galvanized steel with a powder paint coating for appearance and protection. The pretreated galvanized steel provides a better paint-to-steel bond, which resists corrosion and rust creep. Powder paint finish ensures less fading when exposed to sunlight, and provides superior corrosion resistance (1,000 h salt spray tested).

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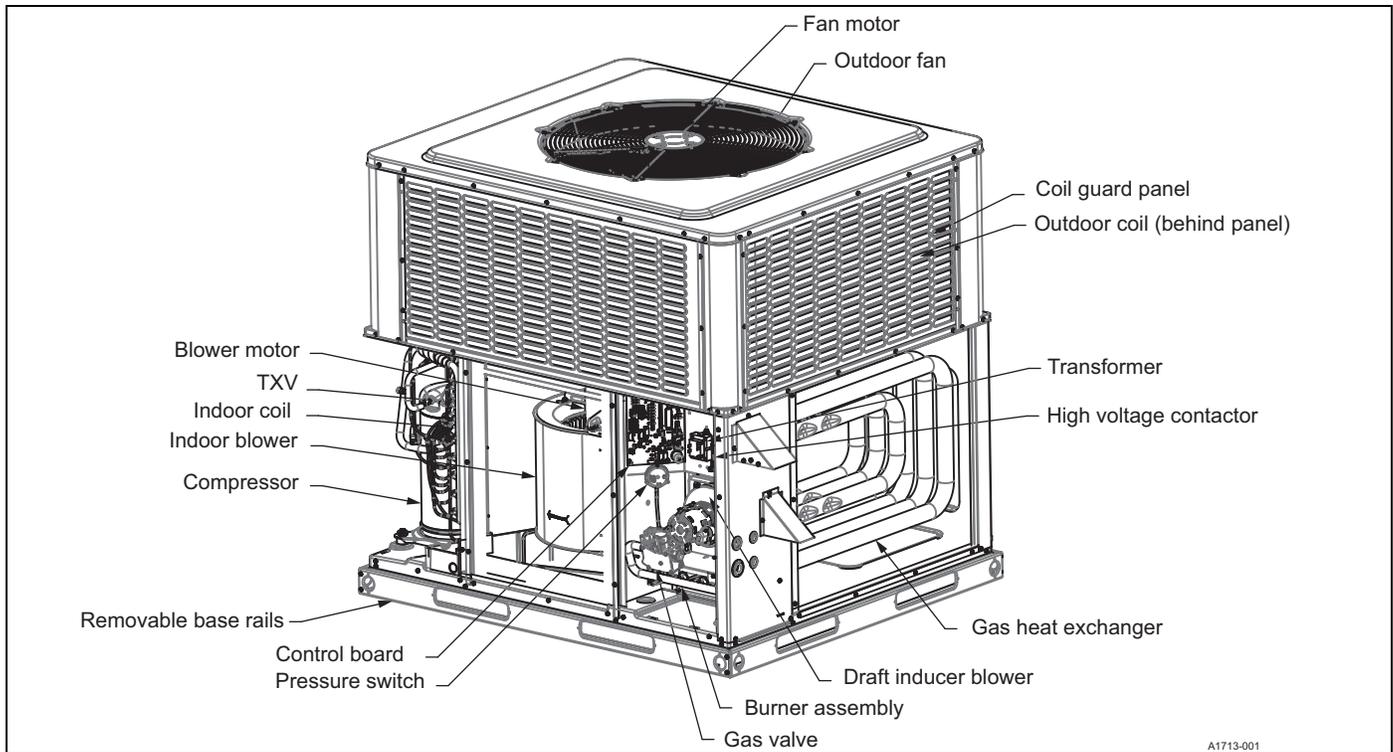
- **Outdoor coil grille** - All models utilize a stamped slotted design that provides superior impact protection against small objects during transit and after installation.
- **Full perimeter base rails** - The easily removable base rails provide a solid foundation for the entire unit and protect the unit during shipment. The rails provide forklift access from all sides, and rigging holes are also provided so an overhead crane can be used to place the units on a roof. On applications where the unit is placed on a pad, the base keeps the unit off the pad to deter corrosion. On applications where height is limited, the base rails can be removed by removing two screws in each corner.
- **More attractive appearance** - A single-piece top cover containing a top-discharge outdoor fan arrangement requires less square footage on installation and provides a wider variety of installations. The one-piece design adds greater water integrity. Rounded corners with water drip edges add to the attractive appearance.
- **Top discharge** - The top-discharge outdoor fan does not disrupt neighboring areas or dry out vegetation surrounding the unit. The warm air from the top mounted fan is blown up and away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **Low operating sound level** - The upward airflow carries the normal operating noise up and away from the living area. The rigid top panel effectively isolates noise. Isolator mounted compressor and the rippled fins of the outdoor coil muffle the normal fan motor and compressor operating sounds. The unique formed base pan also aids in sound attenuation with its structural design. This design strategically places embossments in the pan for optimum strength and rigidity.
- **Fan system** - All models operate over a wide range of design conditions with a standard ECM indoor blower motor. These units easily match all types of applications and provide greater on-site flexibility to match comfort requirements. The cooling speed is factory-set and can be field-adjusted to a second speed. The heating speed is factory set to maintain mid point rise at the units' heating input, but can be field adjusted. This allows for maximum comfort conditions.
- **Simple control circuit** - A low voltage gas heat printed circuit board contains a status/diagnostic indicator light. Field thermostat wiring connects to color coded leads using twist on wire connections. Cooling controls use contactor and relays for simple application and troubleshooting. MATE-N-LOK plug connectors are used. The electrical control box is not located in the compressor compartment. The controls are mounted to allow the separate access panel to be removed for troubleshooting and maintenance without affecting the normal system operating pressures. All wiring internal to the unit is color/number coded.
- **Protected compressor** - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of a high pressure relief valve and a temperature sensor, which protects the compressor if unsuitable operating conditions occur.
- **Pressure switches** - A high pressure switch is standard in all units. When abnormal conditions are sensed through the pressure switch, the unit locks out, preventing any further operation until it is reset or the problem is corrected.
- **Exclusive coil design** - The grooved copper tubes and enhanced aluminum fin construction of the outdoor coils improve heat transfer for maximum efficiency and durability. Indoor tube and fin coils have all aluminum construction for reliability and efficient heat transfer.
- **Heat exchangers** - Gas heat exchangers use corrosion-resistant, stainless-steel tubular construction to provide long-life, trouble-free operation. Gas heat exchangers are offered with lifetime warranties as standard with registration.
- **Post-purge induced draft combustion** - Exhausts combustion products from the heat exchanger upon completion of the heating cycle to prolong the heat exchanger life.
- **Spark to burner ignition** - No pilot assembly required, which provides more consistent ignition in gas heating mode. This ignition is highly reliable, durable, and eliminates nuisance lockouts.
- **Multi port in-shot burners** - No field adjustment is required to mix the air and gas for natural gas or propane use. These burners are constructed of high-grade corrosion-resistant, aluminized steel.
- **Low maintenance** - Long life, permanently lubricated outdoor fan motor bearings and indoor blower motor bearings need no annual maintenance, adding greater reliability to the unit. Slide-out blower assembly can be easily removed for cleaning.
- **Easy service access** - Individual access panels covering the electrical and gas controls make servicing easy. Removing these panels allows easy removal of components such as the blower assembly for maintenance and troubleshooting.
- **Replacement parts** - The installer requires no special training to replace any of the components of these units. The number of new components has been reduced to minimize the inventory of unique parts.
- **Filter frame kit** - All three-phase units include a filter frame kit, which is shipped inside the unit from production. Field installation is required.
- **Filters** - All three-phase units include an applicable number of 1 in. washable filters, which are shipped inside the unit from production. Field installation is required. Two filters are required for A base units. Three filters are required for B base units.

Model number nomenclature

Model family	PCG	PHE = packaged heat pump with electric heat
		PCG = packaged AC with gas heat
		PHG = packaged heat pump with gas heat
		PCE = packaged AC with electric heat
Nominal cooling efficiency	4	4 = standard efficiency
		6 = high efficiency
Cabinet size	A	A = small, 35.75 in. x 51.25 in.
		B = large, 45.75 in. x 51.25 in.
Nominal air conditioning cooling capacity Btu/h x 1000	36	24 = 24,000 Btu/h
		30 = 30,000 Btu/h
		36 = 36,000 Btu/h
		42 = 42,000 Btu/h
		48 = 48,000 Btu/h
		60 = 60,000 Btu/h
Gas heating input Btu/h x 1000	050	050 = 50,000 Btu/h input
		065 = 65,000 Btu/h input
		075 = 75,000 Btu/h input
		100 = 100,000 Btu/h input
		125 = 125,000 Btu/h input
		blank = electric heat
Voltage-phase-frequency	3	2 = 208/230-1-60
		3 = 208/230-3-60
		4 = 460-3-60
		blank = electric heat
NOx approval		X = Low NOx blank = not Low NOx
Generation level	4	1 = first generation
		2 = second generation
		3 = third generation
		4 = fourth generation
Revision level	A	A = original release
		B = second release

Nomenclature example: PCG4A360503X4A is a packaged air conditioner with gas heat, standard efficiency, small cabinet, 3 ton, single-stage heat, 50,000 Btu/h gas heat, 208/230 V, three-phase, low NOx model, fourth generation, original release.

Component location



Unit limitations

Model	Unit voltage	Unit limitations		
		Applied voltage (V)		Outdoor DB temperature
		Minimum	Maximum	Maximum (°F)
PCG4A36	208/230-3-60	187	252	125
PCG4A42	208/230-3-60	187	252	125
PCG4B48	208/230-3-60	187	252	125
PCG4B60	208/230-3-60	187	252	125

Applications and accessories

Application limitations				
Packaged equipment series	Air temperature at outdoor coil (°F)		Air temperature at indoor coil (°F)	
	Minimum	Maximum	Minimum	Maximum
	DB cool	DB cool	WB cool	WB cool
PCG4	55	125	57	72

- **Anchor Bracket Kit (S1-1HK0601)** - This kit firmly anchors PCG, PCE, PHE, and PHG packaged units to a pad or support structure. When correctly installed, the kit is approved for ground-mounted or roof-mounted applications, wind load certified, and listed with the State of Florida. See <https://floridabuilding.org> for this listing.
- **Flue Exhaust Extension Kit (S1-1FE0417, S1-1FE0422)** - The purpose of this kit is to divert flue gas up and away from walkways or fresh air intakes. Use the kit when installing PCG or PHG packaged units if required.
- **Propane Conversion Kit (S1-1NP0703, S1-1NP0704)** - Kit includes burner orifices, gas valve conversion, and installation instructions necessary to field convert unit from natural gas to propane.
- **Economizer for Downflow Applications (S1-2EE04710024, S1-2EE04710124)** - Modulating integrated economizer provides simultaneous operation between the mechanical cooling and economizer operation. Independent blade design ensures proper control and less than 1% leak rate. Includes hood and mesh bird screen filter integrated into the hood, dry bulb sensor, and barometric relief damper. Separate field accessories of single enthalpy and dual enthalpy are also available.
- **Economizer for Horizontal Applications (S1-2EE04710224, S1-2EE04710324)** - Modulating integrated economizer provides simultaneous operation between the mechanical cooling and economizer operation. Independent blade design ensures proper control and less than 1% leak rate. Includes hood and mesh bird screen filter integrated into the hood and dry bulb sensor. Separate field accessories of single enthalpy and dual enthalpy are also available.
- **Barometric Relief Hood (S1-1RD0501)** - Used in conjunction with a horizontal economizer, the Barometric Relief Hood helps to equalize the building pressure caused by the fresh air introduced through the economizer fresh air hood.
- **Single/Dual Enthalpy Sensor (S1-HE-69630NS-2D)** - Sensor replaces supply air temperature dry bulb sensor standard in economizer kit. Provides improved economizer operation by sensing the dry bulb temperature of indoor supply air plus the enthalpy content of the outdoor air.
- **Duct/Unit Mount CO₂ Kit (S1-2AQ04700924)** - Sensor kit detects CO₂ levels automatically and overrides the economizer when CO₂ levels rise above the preset limits.
- **Wall Mount CO₂ Kit (S1-2AQ04701024)** - Sensor kit detects CO₂ levels automatically and overrides the economizer when CO₂ levels rise above the preset limits.
- **Supply Air Temperature Sensor Kit (S1-TE-63616E-2D)** - Outdoor supply air temperature sensor kit used with economizers.
- **Filter/Frame Kit (Kit provided) (S1-1FF0602, S1-1FF0601)** - Kit contains the necessary hardware to field install return air filters into the base unit. The filter rack is suitable for 1 in. filters or 2 in. filters.
- **Filter (S1-02647812000)** - Washable 1 in. filter. Two filters are required for A base units. Three filters are required for B base units. Washable filters are included inside shipped units for field installation.
- **Motorized Fresh Air Damper (S1-2MD04705224, S1-2MD04705124)** - Designed for duct mounted side supply/return and unit mounted down supply/return applications. Damper capable of providing 0% to 50% of outdoor air (field supplied). Closes on power loss, and includes hood and screen assembly.
- **Loss of Charge Switch (S1-2LC00024)** - Kit provides loss of charge switch and wiring to provide safe shutdown of compressor.
- **Rectangle to Round (Horizontal) Adapter (S1-1AK0110, S1-1AK0111)** - Kit includes one supply and one return air rectangle to round duct adapter. Adapters are preformed and designed to fit overcurrent horizontal duct openings on the base unit. Transition is from rectangle to 12 in. round for the 1AK0110 kit and from rectangle to 14 in. round for the 1AK0111 kit.
- **Rectangle to Round (Downflow) Adapter (S1-1AK0108, S1-1AK0109)** - Kit includes one supply and one return air rectangle to round duct adapter. Adapters are preformed and designed to fit into current downflow duct openings on the roof curb. Transition is from rectangle to 16 in. round for the 1AK0108 kit and from rectangle to 18 in. round for the 1AK0109 kit.
- **Roof Curbs (S1-1RC0503, S1-1RC0501)** - NRCA approved curbs provide proper fit to base unit for rooftop installations. Curbs are designed to be assembled through hinge pins in each corner. Kit also provides seal strip to ensure an air tight seal. These are 8 in. high roof curbs.
- **Roof Curbs (S1-1RC0504, S1-1RC0502)** - NRCA approved curbs provide proper fit to base unit for rooftop installations. Curbs are designed to be assembled through hinge pins in each corner. Kit also provides seal strip to ensure an air tight seal. These are 14 in. high roof curbs.
- **Transition Curb Kits (S1-1TC01*)** - These adapter kits allow use of existing installed roof curbs, matching the PCG4 unit footprint to Affinity roof curbs or Carrier, Trane, or Goodman roof curbs. Curb adapters are optional for current generation Carrier replacements, but are recommended for previous generation applications. Refer to the PCG4 price pages for more details.
- **Manual Outdoor Damper (S1-1FA0502, S1-1FA0501)** - Provides 0% to 50% outdoor air capability (field adjustable). Designed for duct mounted side supply/return applications. Includes hood and screen assembly.
- **Thermostat** - Compatible thermostat controls are available through accessory sourcing. For optimum performance, these outdoor units are fully compatible with our residential Hx™ Touch Screen Thermostat available through Source 1. For more information, refer to the *Thermostats and controllers* section of the *Offering Catalog*.
- **Wall Thermostat** - The units are designed to operate with standard, 24-V electronic and electromechanical thermostats. All units can operate with single stage heat/single stage cool thermostats - with or without the economizer.
- **Low Ambient Kit (S1-2LA04701024)** - Kit provides necessary hardware to convert unit to operate in cooling cycle down to 0°F. Standard unit operation is 55°F.
- **Base Rail Hole Cover Kit (S1-1HC0101)** - Kit provides necessary hardware to close off openings in base rails to block off openings and prevent animal entrance.

Guide specifications

General

Units shall be assembled at a facility with an ISO 9001:2015-certified Quality Management System. Packaged units give you the flexibility and choice you need in today's market. These packaged cooling/heating air conditioners are designed for outdoor installation. Only utility and duct connections are required at the point of installation. The single-stage gas fired heaters have stainless steel tubular heat exchangers and spark to burner ignition. They are available in natural gas with field conversion to propane.

Description

Units are factory-assembled, single packaged, electric cooling/gas heating units, designed for outdoor installation. For SEER ratings, refer to the technical literature. They have built-in, equal size, field convertible duct connections for downflow supply/return or horizontal supply/return. The units are factory wired, piped, charged with R-410A refrigerant, and factory tested prior to shipment. All unit wiring is both numbered and color coded. All models are rated in accordance with DOE and AHRI test procedures for both heating and cooling operation. Units are CSA listed and classified to ANSI Z21.47/CAN/ CSA 2.3 standards and UL 1995/CAN/CSA No. 236-M90 standards.

Unit cabinet

Unit cabinet is constructed of G-90 galvanized, powder-painted steel, certified at 1,000 hours salt spray test per ASTM-B117 standards. The unit top shall be a single piece design, with drip edges and no-seam corners to provide optimum water integrity. Unit has a rigidly mounted outdoor coil guard to provide protection from objects and personnel after installation. Indoor blower section is insulated with foil-faced or foam insulation, fastened to prevent insulation from entering the air stream. Cabinet panels are separate and easily removable for servicing and maintenance. Unit is built on a formed, design base pan, with embossments at critical points to add strength and rigidity and aid in minimizing sound. Full perimeter base rails are provided to ensure reliable transit of equipment and facilitate overhead rigging, allowing truck access and proper sealing on roof curb applications. Base rails are easily removable if their removal is required to lower the unit height. Filters are field installed, furnished, and accessible through a removable access door, sealed airtight. The unit's vertical discharge and return duct configuration is designed to fit between standard 24 in. O.C. beams without modification to building structure, duct work, and base unit. Condensate pan is internally sloped and conform to ASHRAE 62-19 self-draining standards, with 3/4 in. NPT female ridged mount connection.

Indoor blower assembly - The blower is a direct drive design. Blower wheel is double-inlet type with forward-curved blades, dynamically balanced to operate smoothly throughout the entire range of operation. Airflow design is constant air volume. Bearings are sealed and permanently lubricated for longer life and no maintenance. Blower assembly is a slide-out design for easy removal and cleaning. Indoor blower motors are equipped with a standard high efficiency brushless DC motor (constant torque), also known as a standard ECM motor.

Outdoor fan assembly - The outdoor fan is of the direct-driven propeller type, discharge air vertically, has aluminum blades riveted to corrosion resistant steel spider bracket, and is statically balanced for smooth operation. The outdoor fan motor is totally enclosed with permanently lubricated bearings and internally protected against overload conditions.

Refrigerant components

Compressors:

- Are fully hermetic type, direct drive, internally protected with internal high-pressure relief and over temperature protection. The hermetic motor is suction gas cooled and has a voltage range of $\pm 10\%$ of the unit nameplate voltage.
- Has internal isolation and sound muffling to minimize vibration and noise, and is externally isolated on a dedicated, independent mounting.

Coils:

- Indoor coils have aluminum plate fins mechanically bonded to seamless internally enhanced aluminum tubes with all joints brazed.
- Indoor coil is of the direct expansion, draw through design.
- Outdoor coils have aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints brazed.
- Outdoor coil is draw through design.

Refrigerant circuit and refrigerant safety components include:

- Thermal expansion valve (TXV) that is factory mounted and provided
- Filter/strainer to eliminate any foreign matter

Gas heating section

Heat exchanger and exhaust system are constructed of corrosion-resistant materials and are designed with induced draft combustion with post-purge logic and redundant main gas valve. The heat exchanger is of the tubular type, constructed of stainless steel for corrosion resistance and allowing minimum mixed air entering temperature of 40°F. Burners are of the in-shot type, constructed of aluminumized steel. All gas piping enters the unit cabinet at a single location through either the side or bottom, without any field modifications. An integrated control board provides timed control of indoor blower functioning and burner ignition. Heating section is provided with the following minimum protection:

- Primary high-temperature limit switch
- Induced draft pressure switch
- Flame roll out switch or switches (manual reset)
- Flame proving controls

All gas heat models meet the California requirement for emissions of less than 40 ng/J.

Physical data

Models		PCG4A36			PCG4A42		PCG4B48			PCG4B60		
Nominal tonnage		3.0			3.5		4.0			5.0		
AHRI cooling performance	Gross capacity at AHRI A point (MBH)	35.9			41.5		48.1			58.3		
	AHRI net capacity (MBH)	34.8			40.0		46.5			56.0		
	EER	11.8			11.2		11.2			11.2		
	EER2	11.0			11.0		11.0			11.0		
	SEER	14.0			14.0		14.0			14.0		
	SEER2	13.4			13.4		13.4			13.4		
	Nominal CFM	1150			1375		1575			1825		
	System power (kW)	3.2			3.6		4.2			5.1		
	Refrigerant type	R-410A			R-410A		R-410A			R-410A		
Refrigerant charge (lb-oz)	7-0			7-0		7-14			10-2			
AHRI gas heating performance	Heating model	50	75	100	75	100	65	100	125	65	100	125
	Heat input (kBtu)	50.0	75.0	100.0	75.0	100.0	65.0	100.0	125.0	65.0	100.0	125.0
	Heat output (kBtu)	40	60	80	60	80	52	80	100	52	80	100
	AFUE %	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
	Number of burners	2	3	4	3	4	2	3	4	2	3	4
	Number of stages	1	1	1	1	1	1	1	1	1	1	1
	Temperature rise range (°F)	35-65	40-70		40-70		40-70			40-70		
	Max. Static Pressure w.c.	0.5			0.5		0.5			0.5		
	Max. Outlet Air Temp. (°F)	180			180		180			180		
Gas piping connection (in.)	1/2			1/2		1/2			1/2			
Dimensions (in.)	Length	51 1/4			51 1/4		51 1/4			51 1/4		
	Width	35 3/4			35 3/4		45 3/4			45 3/4		
	Height	47			47		47			50		
Operating weight (lb)	359	379	383	398	402	450	456	460	469	475	479	
Compressor type		Scroll			Scroll		Scroll			Scroll		
Outdoor coil data	Face area (sq ft)	15.3			15.3		17.5			21.1		
	Rows	2			2		2			2		
	Fins per inch	22			22		22			22		
	Tube diameter (mm)	7			7		7			7		
	Circuitry type	Interlaced			Interlaced		Interlaced			Interlaced		
Indoor coil data	Face area (sq ft)	4.6			4.6		6.2			6.2		
	Rows	3			3		3			4		
	Fins per inch	16			16		16			16		
	Tube diameter (in.)	3/8			3/8		3/8			3/8		
	Circuitry type	Interlaced			Interlaced		Interlaced			Interlaced		
	Refrigerant control	TXV			TXV		TXV			TXV		
Outdoor fan data	Fan diameter (in.)	24			24		26			26		
	Type	Prop			Prop		Prop			Prop		
	Drive type	Direct			Direct		Direct			Direct		
	Number of speeds	1			1		1			1		
	Motor (hp)	1/3			1/3		1/3			1/3		
	RPM	850			850		850			850		
	Nominal total CFM	2400			2400		3200			3200		
	Blower size (in.)	11 x 10			11 x 10		11 x 10			11 x 10		
Direct drive indoor blower data	Type	Centrifugal			Centrifugal		Centrifugal			Centrifugal		
	Motor (hp)	1/2	3/4		3/4		3/4			1		
	RPM	1400 Maximum			1400 Maximum		1400 Maximum			1400 Maximum		
	Frame size (in.)	48			48		48			48		
Filter size		A			A		B			B		

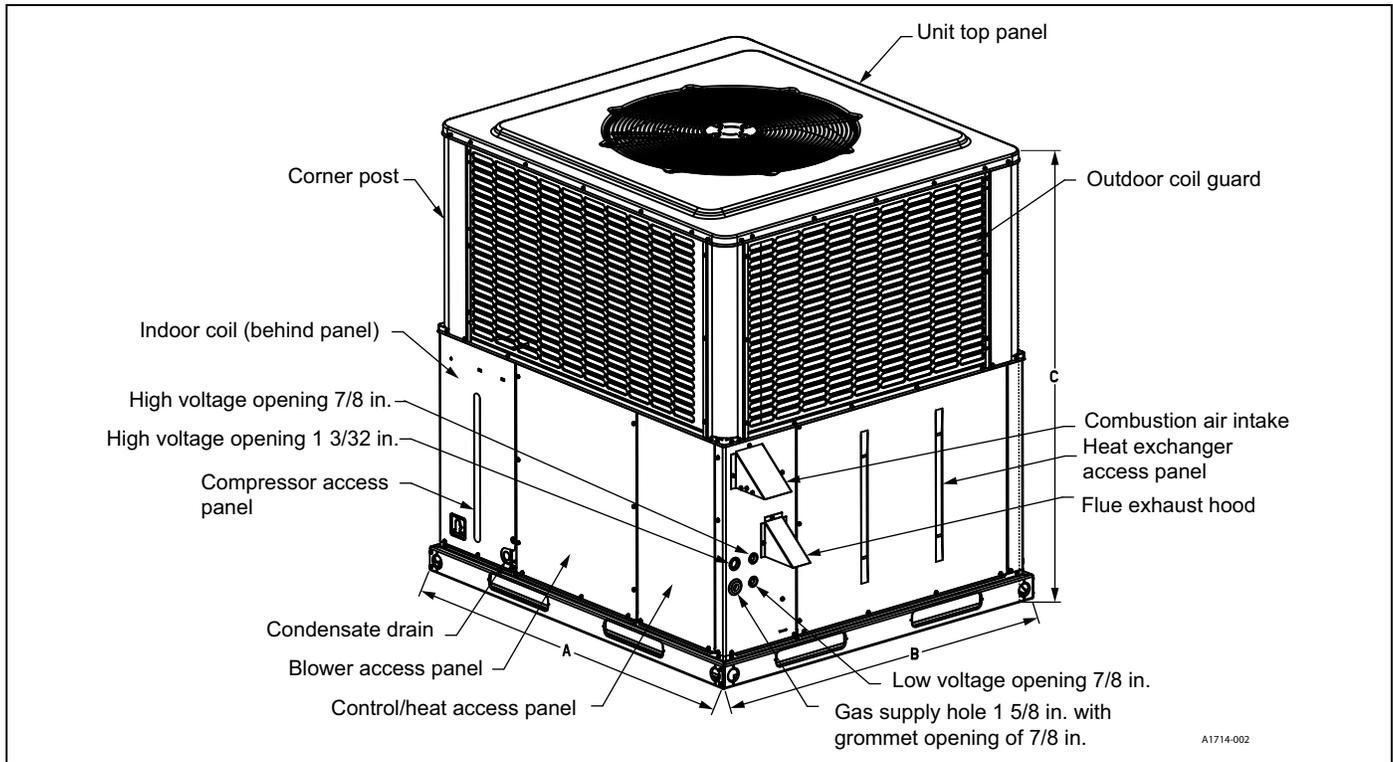
Note: Field-supplied external filters must be sized so as not to exceed 300 fpm air velocity through disposable filters. All three-phase models include an internal filter rack kit and washable filters. Consult the instructions supplied with the kit for replacement filter sizes. Filter sizes: A= 20 in. x 20 in., B = 20 in. x 30 in.

Cooling performance data - 3 ton																
Packaged unit model number		PCG4A36														
Condenser entering air temperature DB/WB (°F)	ID SCFM	1000					1200					1400				
	IDDB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	IDWB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
55 / 45	Total capacity (MBH)	39.0	41.9	42.0	47.0	51.2	41.2	43.9	44.0	48.8	52.8	43.3	45.8	45.9	50.6	54.4
	Sensible capacity (MBH)	38.6	34.6	29.6	30.2	24.5	40.8	37.8	32.1	32.4	25.9	42.9	41.0	34.5	34.7	27.2
	Total power (kW)	1.78	1.77	1.77	1.76	1.74	1.83	1.83	1.83	1.82	1.81	1.89	1.90	1.89	1.88	1.88
65 / 55	Total capacity (MBH)	37.3	39.8	40.0	44.7	49.1	39.3	41.5	41.6	46.3	50.7	41.2	43.1	43.2	47.9	52.3
	Sensible capacity (MBH)	36.9	33.6	28.6	28.9	23.5	38.9	36.5	30.8	31.1	24.8	40.8	39.4	33.0	33.3	26.2
	Total power (kW)	1.98	1.97	1.97	1.96	1.95	2.03	2.04	2.03	2.02	2.01	2.09	2.10	2.09	2.08	2.07
75 / 63	Total capacity (MBH)	35.6	37.7	37.9	42.3	47.1	37.4	39.0	39.2	43.8	48.7	39.2	40.3	40.5	45.3	50.3
	Sensible capacity (MBH)	35.2	32.5	27.5	27.7	22.4	37.0	35.2	29.5	29.8	23.8	38.8	37.9	31.6	32.0	25.2
	Total power (kW)	2.17	2.18	2.18	2.16	2.15	2.23	2.24	2.24	2.22	2.21	2.29	2.30	2.30	2.28	2.27
85 / 69	Total capacity (MBH)	33.4	35.0	35.1	39.4	43.8	35.0	36.0	36.1	40.5	45.0	36.5	37.1	37.0	41.7	46.2
	Sensible capacity (MBH)	33.1	31.1	26.3	26.4	21.1	34.7	33.4	28.2	28.5	22.4	36.2	35.7	30.2	30.6	23.7
	Total power (kW)	2.40	2.41	2.41	2.40	2.39	2.46	2.47	2.47	2.46	2.45	2.52	2.53	2.53	2.53	2.52
95 / 75	Total capacity (MBH)	31.3	32.2	32.3	36.5	40.5	32.6	33.1	32.9	37.3	41.2	33.9	33.9	33.5	38.1	42.0
	Sensible capacity (MBH)	31.0	29.6	25.0	25.2	19.9	32.3	31.6	26.9	27.2	21.1	33.6	33.6	28.9	29.3	22.3
	Total power (kW)	2.62	2.63	2.63	2.63	2.64	2.69	2.70	2.70	2.70	2.70	2.76	2.76	2.77	2.77	2.77
105 / 83	Total capacity (MBH)	28.5	29.2	28.9	33.0	36.9	29.7	29.9	29.2	33.5	37.4	31.0	30.6	29.5	34.0	38.0
	Sensible capacity (MBH)	28.2	27.4	23.3	23.5	18.3	29.5	28.8	24.8	25.4	19.4	30.7	30.3	26.3	27.3	20.4
	Total power (kW)	2.92	2.93	2.92	2.93	2.94	2.98	2.99	2.99	3.00	3.00	3.05	3.06	3.06	3.07	3.07
115 / 89	Total capacity (MBH)	25.8	26.2	25.7	29.6	33.4	26.9	26.8	25.6	29.8	33.7	28.1	27.4	25.6	30.0	34.0
	Sensible capacity (MBH)	25.5	25.2	21.6	21.9	16.7	26.7	26.2	22.7	23.6	17.7	27.8	27.1	23.9	25.3	18.7
	Total power (kW)	3.21	3.21	3.20	3.22	3.23	3.27	3.28	3.27	3.28	3.30	3.34	3.35	3.34	3.35	3.37
125 / 95	Total capacity (MBH)	23.1	23.3	22.4	26.2	30.0	24.1	23.7	22.0	26.1	30.0	25.2	24.2	21.7	26.0	30.1
	Sensible capacity (MBH)	22.9	23.1	19.9	20.2	15.2	23.9	23.5	20.7	21.8	16.1	24.9	24.0	21.5	23.4	16.9
	Total power (kW)	3.49	3.49	3.48	3.50	3.52	3.56	3.56	3.55	3.57	3.59	3.63	3.63	3.62	3.64	3.66

Cooling performance data - 3.5 ton																
Packaged unit model number		PCG4A42														
Condenser entering air temperature DB/WB (°F)	ID SCFM	1200					1400					1600				
	IDDB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	IDWB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
55 / 45	Total capacity (MBH)	43.6	46.6	43.8	48.5	48.3	46.3	48.5	45.4	50.1	48.1	49.0	50.3	47.0	51.7	47.8
	Sensible capacity (MBH)	43.2	39.6	31.8	32.4	25.7	45.8	42.7	34.1	34.7	15.5	48.4	45.9	36.5	36.9	5.3
	Total power (kW)	2.17	2.17	2.17	2.16	2.16	2.23	2.23	2.24	2.23	2.22	2.29	2.30	2.30	2.30	2.29
65 / 55	Total capacity (MBH)	40.9	43.2	41.4	46.4	47.1	43.5	44.9	42.9	48.1	47.5	46.1	46.5	44.4	49.7	48.0
	Sensible capacity (MBH)	40.6	37.3	30.4	31.4	24.6	43.2	40.3	32.7	33.9	20.3	45.8	43.3	35.1	36.3	15.9
	Total power (kW)	2.41	2.41	2.41	2.41	2.41	2.48	2.48	2.48	2.48	2.54	2.55	2.55	2.54	2.54	2.55
75 / 63	Total capacity (MBH)	38.3	39.7	39.0	44.3	45.8	40.7	41.2	40.4	46.1	47.0	43.2	42.8	41.9	47.8	48.2
	Sensible capacity (MBH)	38.0	34.9	29.0	30.5	23.5	40.6	37.8	31.3	33.0	25.1	43.1	40.6	33.7	35.6	26.6
	Total power (kW)	2.65	2.65	2.65	2.66	2.66	2.72	2.72	2.72	2.72	2.73	2.80	2.79	2.79	2.79	2.80
85 / 69	Total capacity (MBH)	37.0	37.8	37.0	42.3	43.9	39.3	39.5	38.3	43.9	45.2	41.5	41.1	39.7	45.6	46.6
	Sensible capacity (MBH)	37.0	34.2	28.0	29.5	22.6	39.3	37.0	30.4	32.0	24.2	41.5	39.7	32.8	34.5	25.7
	Total power (kW)	2.92	2.92	2.92	2.93	2.93	2.99	2.99	2.99	3.00	3.00	3.07	3.06	3.06	3.07	3.07
95 / 75	Total capacity (MBH)	35.7	35.9	35.0	40.3	42.0	37.8	37.7	36.2	41.8	43.5	39.8	39.5	37.5	43.3	44.9
	Sensible capacity (MBH)	35.7	33.5	27.0	28.4	21.6	37.8	36.2	29.5	30.9	23.3	39.8	38.8	31.9	33.4	24.9
	Total power (kW)	35.70	3.19	3.19	3.20	3.20	3.26	3.26	3.26	3.28	3.27	3.33	3.34	3.33	3.35	3.34
105 / 83	Total capacity (MBH)	32.3	32.6	31.0	36.2	38.1	34.0	34.2	32.0	37.4	39.3	35.8	35.8	33.0	38.6	40.5
	Sensible capacity (MBH)	32.3	31.1	25.2	26.4	19.6	34.0	33.1	27.3	28.8	21.2	35.8	35.1	29.5	31.1	22.9
	Total power (kW)	3.55	3.56	3.55	3.56	3.57	3.62	3.63	3.62	3.63	3.64	3.70	3.70	3.69	3.71	3.71
115 / 89	Total capacity (MBH)	28.9	29.4	27.2	32.2	34.3	30.4	30.8	27.9	33.1	35.3	31.9	32.3	28.6	34.1	36.3
	Sensible capacity (MBH)	28.9	28.9	23.4	24.4	17.6	30.4	30.2	25.3	26.7	19.2	31.9	31.5	27.2	28.9	20.9
	Total power (kW)	3.90	3.91	3.90	3.91	3.92	3.98	3.98	3.97	3.98	3.99	4.05	4.05	4.04	4.05	4.06
125 / 95	Total capacity (MBH)	25.5	26.2	23.4	28.2	30.5	26.7	27.5	23.8	28.9	31.3	28.0	28.7	24.2	29.5	32.0
	Sensible capacity (MBH)	25.5	26.2	21.6	22.5	15.6	26.7	27.3	23.2	24.6	17.2	28.0	27.9	24.2	26.6	18.9
	Total power (kW)	4.26	4.26	4.26	4.26	4.27	4.33	4.33	4.32	4.33	4.34	4.40	4.40	4.39	4.40	4.41

Cooling performance data - 4 ton																
Packaged unit model number		PCG4B48														
Condenser entering air temperature DB/WB (°F)	ID SCFM	1400					1600					1800				
	IDDB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	IDWB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
55 / 45	Total capacity (MBH)	51.6	55.3	55.4	62.2	67.8	53.8	57.4	57.5	64.1	69.7	55.9	59.6	59.6	65.9	71.5
	Sensible capacity (MBH)	50.5	45.8	39.1	40.0	32.5	52.6	49.1	41.8	42.4	34.1	54.7	52.5	44.4	44.8	35.7
	Total power (kW)	2.58	2.58	2.58	2.55	2.53	2.65	2.64	2.64	2.62	2.60	2.71	2.71	2.71	2.68	2.67
65 / 55	Total capacity (MBH)	49.5	52.5	52.6	58.5	64.7	51.4	54.1	54.1	60.1	66.4	53.2	55.6	55.7	61.6	68.0
	Sensible capacity (MBH)	48.4	44.6	37.7	38.2	31.1	50.2	47.6	40.1	40.5	32.5	52.1	50.5	42.4	42.7	34.0
	Total power (kW)	2.86	2.86	2.86	2.85	2.84	2.93	2.93	2.93	2.92	2.92	3.00	3.00	3.00	2.99	2.99
75 / 63	Total capacity (MBH)	47.4	49.8	49.7	54.8	61.7	49.0	50.7	50.7	56.1	63.1	50.6	51.6	51.8	57.4	64.5
	Sensible capacity (MBH)	46.3	43.4	36.3	36.3	29.6	47.9	46.0	38.4	38.5	31.0	49.4	48.5	40.4	40.7	32.4
	Total power (kW)	3.14	3.15	3.15	3.15	3.16	3.21	3.22	3.22	3.22	3.23	3.29	3.29	3.29	3.30	3.30
85 / 69	Total capacity (MBH)	44.6	46.4	46.3	51.5	57.2	46.0	47.2	47.1	52.5	58.4	47.3	47.9	47.9	53.5	59.5
	Sensible capacity (MBH)	43.7	41.8	34.8	35.0	27.8	45.0	43.8	36.8	37.1	29.2	46.2	45.9	38.9	39.2	30.5
	Total power (kW)	3.46	3.47	3.46	3.48	3.49	3.54	3.54	3.54	3.55	3.56	3.61	3.61	3.61	3.62	3.64
95 / 75	Total capacity (MBH)	41.9	43.1	42.9	48.2	52.8	43.0	43.6	43.5	48.9	53.7	44.0	44.2	44.1	49.6	54.5
	Sensible capacity (MBH)	41.0	40.2	33.3	33.6	26.1	42.0	41.7	35.3	35.7	27.3	43.0	43.3	37.4	37.8	28.6
	Total power (kW)	3.78	3.78	3.78	3.80	3.83	3.86	3.86	3.86	3.87	3.90	3.94	3.93	3.93	3.95	3.98
105 / 83	Total capacity (MBH)	37.9	38.5	38.0	43.9	48.8	38.9	38.9	38.3	44.4	49.5	39.9	39.4	38.5	45.0	50.1
	Sensible capacity (MBH)	37.0	36.3	31.0	31.5	24.2	38.1	37.4	32.5	33.5	25.4	39.1	38.5	33.9	35.5	26.6
	Total power (kW)	4.21	4.20	4.20	4.22	4.24	4.29	4.28	4.28	4.29	4.32	4.36	4.36	4.35	4.36	4.40
115 / 89	Total capacity (MBH)	34.0	34.0	33.2	39.8	44.9	35.0	34.3	33.2	40.1	45.4	36.0	34.7	33.2	40.5	45.9
	Sensible capacity (MBH)	33.2	32.6	28.8	29.5	22.4	34.2	33.3	29.7	31.4	23.5	35.2	33.9	30.6	33.3	24.6
	Total power (kW)	4.63	4.61	4.61	4.63	4.65	4.70	4.69	4.68	4.70	4.73	4.78	4.77	4.76	4.77	4.81
125 / 95	Total capacity (MBH)	30.0	29.5	28.4	35.6	41.0	31.0	29.8	28.1	35.8	41.3	32.0	30.0	27.8	36.0	41.6
	Sensible capacity (MBH)	29.4	28.9	26.5	27.5	20.6	30.4	29.1	26.9	29.3	21.6	31.3	29.3	27.2	31.0	22.6
	Total power (kW)	5.05	5.02	5.02	5.04	5.05	5.12	5.10	5.09	5.11	5.14	5.19	5.18	5.17	5.17	5.22

Cooling performance data - 5 ton																
Packaged unit model number		PCG4B60														
Condenser entering air temperature DB/WB (°F)	ID SCFM	1600					1800					2000				
	IDDB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	IDWB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
55 / 45	Total capacity (MBH)	62.7	67.2	67.1	74.1	78.7	65.2	69.1	69.1	75.8	80.0	67.7	71.0	71.2	77.6	81.3
	Sensible capacity (MBH)	62.5	55.1	46.6	46.6	36.2	65.0	58.7	49.4	49.0	37.4	67.6	62.3	52.3	51.5	38.6
	Total power (kW)	3.16	3.17	3.17	3.18	3.20	3.23	3.24	3.24	3.25	3.27	3.30	3.31	3.32	3.33	3.35
65 / 55	Total capacity (MBH)	59.6	63.1	63.0	70.0	75.9	61.9	64.8	64.8	71.7	77.6	64.1	66.5	66.6	73.4	79.3
	Sensible capacity (MBH)	59.4	52.9	44.4	44.6	35.0	61.7	56.4	47.1	47.1	36.4	64.0	59.8	49.9	49.6	37.8
	Total power (kW)	3.47	3.49	3.49	3.51	3.53	3.55	3.56	3.56	3.58	3.61	3.63	3.64	3.64	3.66	3.69
75 / 63	Total capacity (MBH)	56.5	59.0	58.9	65.8	73.2	58.5	60.5	60.5	67.6	75.2	60.5	62.0	62.1	69.3	77.2
	Sensible capacity (MBH)	56.3	50.8	42.3	42.7	33.7	58.3	54.1	44.8	45.2	35.3	60.4	57.3	47.4	47.8	36.9
	Total power (kW)	3.79	3.81	3.80	3.84	3.87	3.87	3.88	3.88	3.91	3.95	3.95	3.96	3.96	3.99	4.03
85 / 69	Total capacity (MBH)	53.2	55.2	55.3	61.9	68.8	55.0	56.5	56.6	63.3	70.4	56.8	57.7	57.9	64.8	72.1
	Sensible capacity (MBH)	53.1	48.9	40.6	41.9	32.0	54.9	52.0	43.1	43.9	33.5	56.7	55.0	45.7	45.9	35.0
	Total power (kW)	4.16	4.18	4.18	4.22	4.25	4.25	4.26	4.25	4.29	4.33	4.33	4.34	4.33	4.37	4.41
95 / 75	Total capacity (MBH)	50.0	51.5	51.6	58.0	64.4	51.6	52.4	52.7	59.1	65.7	53.1	53.4	53.7	60.2	66.9
	Sensible capacity (MBH)	49.9	47.1	39.0	41.1	30.3	51.4	49.9	41.5	42.5	31.6	53.0	52.7	43.9	44.0	33.0
	Total power (kW)	4.54	4.55	4.55	4.59	4.63	4.63	4.63	4.63	4.67	4.71	4.71	4.71	4.70	4.74	4.79
105 / 83	Total capacity (MBH)	46.5	48.3	47.2	54.0	59.7	48.0	49.4	48.2	54.5	60.9	49.5	50.4	49.2	55.0	62.1
	Sensible capacity (MBH)	46.4	45.2	36.7	38.5	28.2	47.9	47.4	39.0	40.0	29.5	49.4	49.7	41.4	41.5	30.8
	Total power (kW)	5.04	5.05	5.02	5.09	5.12	5.13	5.13	5.10	5.16	5.20	5.21	5.21	5.18	5.23	5.28
115 / 89	Total capacity (MBH)	43.1	45.3	43.0	50.1	55.1	44.6	46.4	43.9	50.1	56.2	46.1	47.5	44.8	50.0	57.3
	Sensible capacity (MBH)	43.0	43.3	34.4	36.0	26.2	44.5	45.0	36.6	37.6	27.4	45.9	46.7	38.9	39.1	28.6
	Total power (kW)	5.52	5.53	5.48	5.57	5.58	5.61	5.62	5.56	5.64	5.67	5.70	5.70	5.65	5.71	5.76
125 / 95	Total capacity (MBH)	39.8	42.2	38.8	46.2	50.5	41.2	43.4	39.6	45.6	51.6	42.6	44.7	40.4	45.0	52.6
	Sensible capacity (MBH)	39.7	41.5	32.2	33.5	24.1	41.1	42.6	34.3	35.1	25.3	42.5	43.8	36.3	36.8	26.5
	Total power (kW)	6.00	6.02	5.94	6.06	6.05	6.10	6.10	6.03	6.12	6.14	6.19	6.18	6.11	6.18	6.23



Unit dimensions

Model	Dimensions (in.)		
	A	B	C
PCG4A36	51 1/4	35 3/4	47
PCG4A42	51 1/4	35 3/4	47
PCG4B48	51 1/4	45 3/4	47
PCG4B60	51 1/4	45 3/4	50

Unit clearances^{1,2}

Direction	Distance (in.)	Direction	Distance (in.)
Top ³	36	Power entry (right side)	36
Side opposite ducts	36	Left side	24
Duct panel	0	Bottom ⁴	1

1. A 1 in. clearance must be provided between any combustible material and the supply air ductwork.
2. The products of combustion must not be allowed to accumulate within a confined space and recirculate.
3. Units must be installed outdoors. Overhanging structures or shrubs must not obstruct the outdoor air discharge outlet.
4. Units can be installed on combustible materials made from wood or class A, B, or C roof covering materials if factory base rails are left in place as shipped.

Indoor blower specifications

Model	Motor				
	HP	RPM	EFF.	SF	Frame
PCG4A360503X4	1/2	Variable	0.8	1.0	48
PCG4A360753X4	1/2	Variable	0.8	1.0	48
PCG4A361003X4	3/4	Variable	0.8	1.0	48
PCG4A420753X4	3/4	Variable	0.8	1.0	48
PCG4A421003X4	3/4	Variable	0.8	1.0	48
PCG4B480653X4	3/4	Variable	0.8	1.0	48
PCG4B481003X4	3/4	Variable	0.8	1.0	48
PCG4B481253X4	3/4	Variable	0.8	1.0	48
PCG4B600653X4	1	Variable	0.8	1.0	48
PCG4B601003X4	1	Variable	0.8	1.0	48
PCG4B601253X4	1	Variable	0.8	1.0	48

Sound performance

Model	Sound rating ¹ dB(A)	Octave band centerline frequency (Hz)						
		125	250	500	1000	2000	4000	8000
PCG4A36	76	78.7	71.9	73.8	72.5	66.1	61.2	55
PCG4A42	76	80.5	72.9	74.3	72	67	64.2	59.2
PCG4B48	72	76.2	69.4	67.8	69	63	61	55
PCG4B60	73	76.6	70.4	68.2	69	64	62.4	56.7

1. Rated in accordance with AHRI Standard 270.

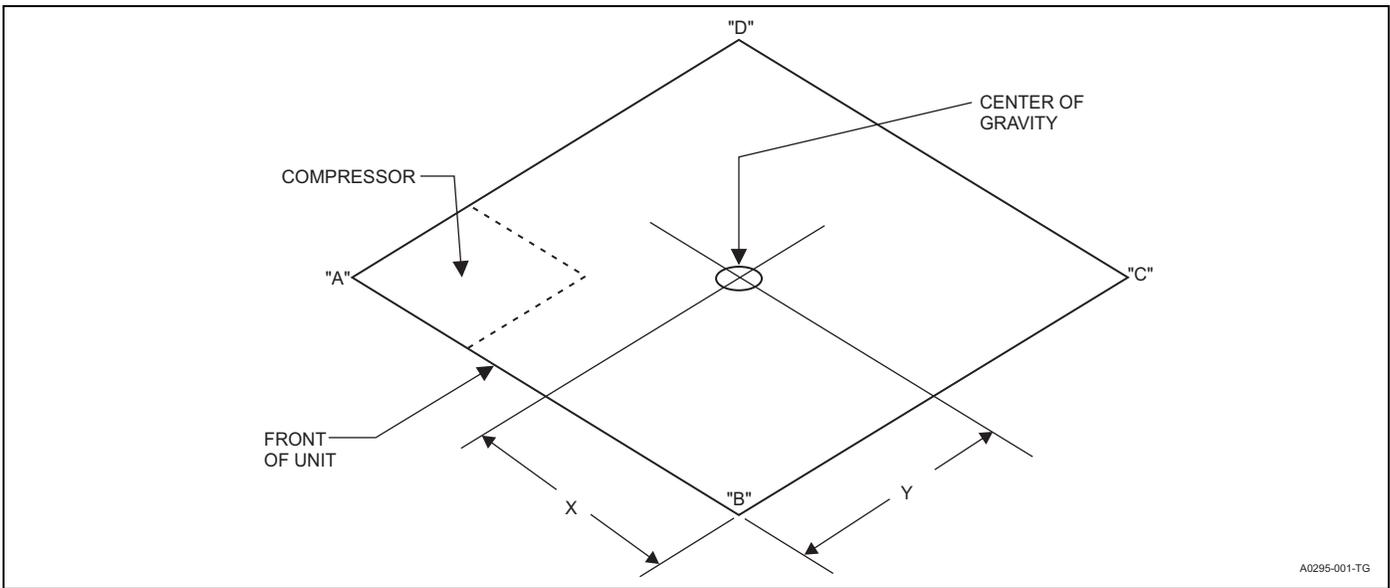
Electrical data

Model	Voltage	Compressor			Outdoor fan motor	Indoor blower motor	MCA ¹	Max fuse ² / breaker ³ size
		RLA	LRA	MCC	FLA	FLA	A	A
36050, 36075	208/230-3-60	8.5	70.0	13.2	1.7	3.8	16.1	20
36100	208/230-3-60	8.5	70.0	13.2	1.7	5.4	17.7	25
42075, 42100	208/230-3-60	10.6	118.0	16.6	1.7	5.4	20.4	30
48065, 48100, 48125	208/230-3-60	10.4	123.0	16.3	1.7	5.4	20.2	30
60065, 60100, 60125	208/230-3-60	13.2	93.0	20.6	1.7	7.0	25.2	35

1. Minimum Circuit Ampacity

2. Maximum Overcurrent Protection per standard UL 1995

3. Fuse or HACR circuit breaker is field installed.



Weights and dimensions

Model	Weight (lb)		Center of gravity		Four-point load location (lb)			
	Shipping	Operating	X	Y	A	B	C	D
PCG4A360503X4	364	359	28	15	123	84	79	73
PCG4A360753X4	384	379	27	16	121	92	85	81
PCG4A361003X4	388	383	27	16	120	95	87	81
PCG4A420753X4	403	398	28	15	143	93	88	74
PCG4A421003X4	407	402	28	15	137	96	90	79
PCG4B480653X4	455	450	28	18	165	107	99	79
PCG4B481003X4	461	456	28	18	163	110	99	84
PCG4B481253X4	465	460	28	18	163	112	101	84
PCG4B600653X4	474	469	27	18	167	118	102	82
PCG4B601003X4	480	475	27	18	165	121	102	87
PCG4B601253X4	484	479	27	18	165	122	104	88

Airflow performance - side duct application

Model	Motor speed	External static pressure (in. W.C.)								
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0
		SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM
PCG4A36050	Low (1)	850	790	710	660	610	560	510	450	400
	Medium Low (2)	1000	950	900	840	790	730	680	640	550
	Medium (3)	1270	1230	1190	1150	1110	1060	1000	960	860
	Medium High (4)	1370	1340	1300	1260	1220	1180	1130	1070	980
	High (5)	1490	1450	1420	1380	1340	1300	1260	1210	1120
PCG4A36075	Low (1)	850	790	710	660	610	560	510	450	400
	Medium Low (2)	1130	1090	1050	1000	940	890	830	790	700
	Medium (3)	1270	1230	1190	1150	1110	1060	1000	960	860
	Medium High (4)	1370	1340	1300	1260	1220	1180	1130	1070	980
	High (5)	1490	1450	1420	1380	1340	1300	1260	1210	1120
PCG4A36100	Low (1)	870	800	730	670	610	560	510	450	230
	Medium Low (2)	1220	1170	1130	1080	1030	970	920	860	780
	Medium (3)	1390	1350	1310	1270	1220	1180	1130	1080	970
	Medium High (4)	1520	1480	1440	1400	1360	1320	1270	1220	1110
	High (5)	1630	1590	1560	1520	1480	1440	1400	1350	1260
PCG4A42075	Low (1)	960	910	840	780	720	670	610	570	420
	Medium Low (2)	1180	1130	1080	1030	980	920	860	810	720
	Medium (3)	1530	1490	1450	1420	1370	1330	1280	1230	1120
	Medium High (4)	1640	1600	1570	1530	1490	1450	1410	1360	1270
	High (5)	1840	1810	1780	1750	1710	1670	1640	1600	1480
PCG4A42100	Low (1)	960	910	840	780	720	670	610	570	420
	Medium Low (2)	1450	1410	1370	1330	1290	1240	1200	1150	1040
	Medium (3)	1530	1490	1450	1420	1370	1330	1280	1230	1120
	Medium High (4)	1640	1600	1570	1530	1490	1450	1410	1360	1270
	High (5)	1840	1810	1780	1750	1710	1670	1640	1600	1480
PCG4B48065	Low (1)	1090	1040	990	930	870	800	720	670	540
	Medium Low (2)	1140	1090	1030	980	920	850	780	730	600
	Medium (3)	1690	1650	1600	1570	1530	1490	1440	1400	1310
	Medium High (4)	1800	1760	1720	1680	1650	1610	1560	1520	1440
	High (5)	2020	1980	1940	1910	1870	1830	1790	1760	1690
PCG4B48100	Low (1)	1140	1090	1030	980	920	850	780	730	600
	Medium Low (2)	1520	1470	1430	1390	1340	1300	1250	1210	1090
	Medium (3)	1690	1650	1600	1570	1530	1490	1440	1400	1310
	Medium High (4)	1800	1760	1720	1680	1650	1610	1560	1520	1440
	High (5)	2020	1980	1940	1910	1870	1830	1790	1760	1690
PCG4B48125	Low (1)	1140	1090	1030	980	920	850	780	730	600
	Medium Low (2)	1690	1650	1600	1570	1530	1490	1440	1400	1310
	Medium (3)	1800	1760	1720	1680	1650	1610	1560	1520	1440
	Medium High (4)	1870	1840	1790	1760	1730	1690	1640	1600	1520
	High (5)	2020	1980	1940	1910	1870	1830	1790	1760	1690
PCG4B60065	Low (1)	1090	1020	960	910	840	750	690	640	550
	Medium Low (2)	1160	1100	1050	990	930	860	800	740	640
	Medium (3)	1870	1840	1810	1770	1730	1690	1650	1620	1540
	Medium High (4)	2000	1970	1930	1890	1860	1830	1780	1740	1670
	High (5)	2240	2210	2180	2150	2100	2070	2040	2010	1940
PCG4B60100	Low (1)	1300	1240	1200	1150	1090	1050	1000	940	820
	Medium Low (2)	1510	1470	1430	1390	1340	1310	1260	1220	1130
	Medium (3)	1870	1840	1810	1770	1730	1690	1650	1620	1540
	Medium High (4)	2000	1970	1930	1890	1860	1830	1780	1740	1670
	High (5)	2240	2210	2180	2150	2100	2070	2040	2010	1940

Continued on next page.

Airflow performance - side duct application (Continued)

Model	Motor speed	External static pressure (in. W.C.)								
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0
		SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM	SCFM
PCG4B60125	Low (1)	1300	1240	1200	1150	1090	1050	1000	940	820
	Medium Low (2)	1700	1670	1630	1590	1550	1520	1480	1440	1370
	Medium (3)	1870	1840	1810	1770	1730	1690	1650	1620	1540
	Medium High (4)	2000	1970	1930	1890	1860	1830	1780	1740	1670
	High (5)	2240	2210	2180	2150	2100	2070	2040	2010	1940

Notes:

Airflow is tested with dry coil conditions, without air filters, at 230 V.

Applications above 0.8 in. W.C. external static pressure are not recommended.

Brushless DC high-efficiency standard ECM blower motor is used for all indoor blower assemblies.

Minimal variations in airflow performance data result from operating at 208 V. The data in the table can be used in those cases.

Heating applications are tested at 0.50 in. W.C. external static pressure. Cooling applications are tested per AHRI Standard 210/240.

The differences between side duct airflows and bottom duct airflows are insignificant.

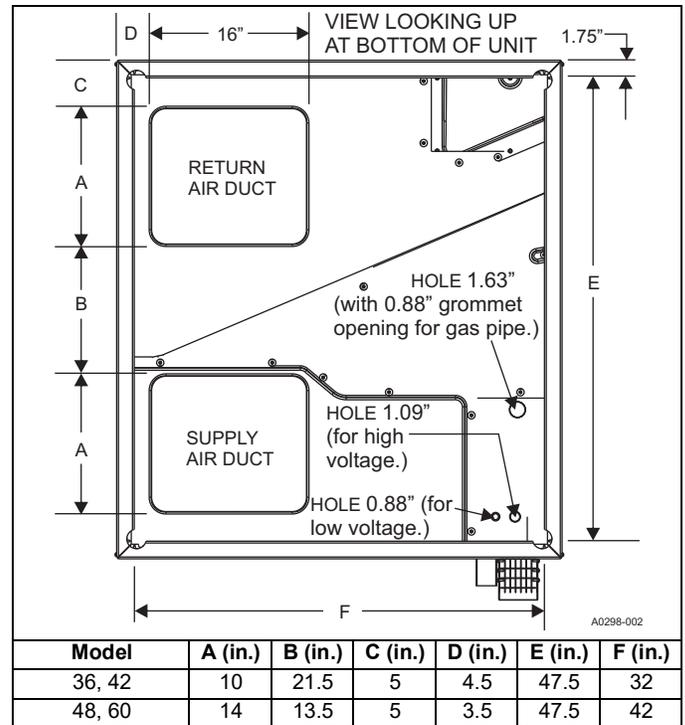
Additional static resistance

Size (ton)	CFM	Wet indoor coil	Economizer ¹	Filter/frame kit
036 (3.0)	700	0.01	0.00	0.04
	800	0.02	0.01	0.06
	900	0.03	0.01	0.08
	1000	0.04	0.01	0.10
	1100	0.05	0.01	0.13
	1200	0.06	0.02	0.16
	1300	0.07	0.03	0.17
042 (3.5)	1100	0.02	0.02	0.04
	1200	0.03	0.02	0.04
	1300	0.04	0.02	0.05
	1400	0.05	0.03	0.05
	1500	0.06	0.04	0.06
	1600	0.07	0.04	0.07
	1700	0.07	0.04	0.08
	1800	0.08	0.04	0.09
	1900	0.09	0.05	0.10
048 (4.0)	1100	0.02	0.02	0.04
	1200	0.03	0.02	0.04
	1300	0.04	0.02	0.05
	1400	0.05	0.03	0.05
	1500	0.06	0.04	0.06
	1600	0.07	0.04	0.07
	1700	0.07	0.04	0.08
	1800	0.08	0.04	0.09
	1900	0.09	0.05	0.10
060 (5.0)	1100	0.02	0.02	0.04
	1200	0.03	0.02	0.04
	1300	0.04	0.02	0.05
	1400	0.05	0.03	0.05
	1500	0.06	0.04	0.06
	1600	0.07	0.04	0.07
	1700	0.07	0.04	0.08
	1800	0.08	0.04	0.09
	1900	0.09	0.05	0.10
2000	0.09	0.05	0.11	

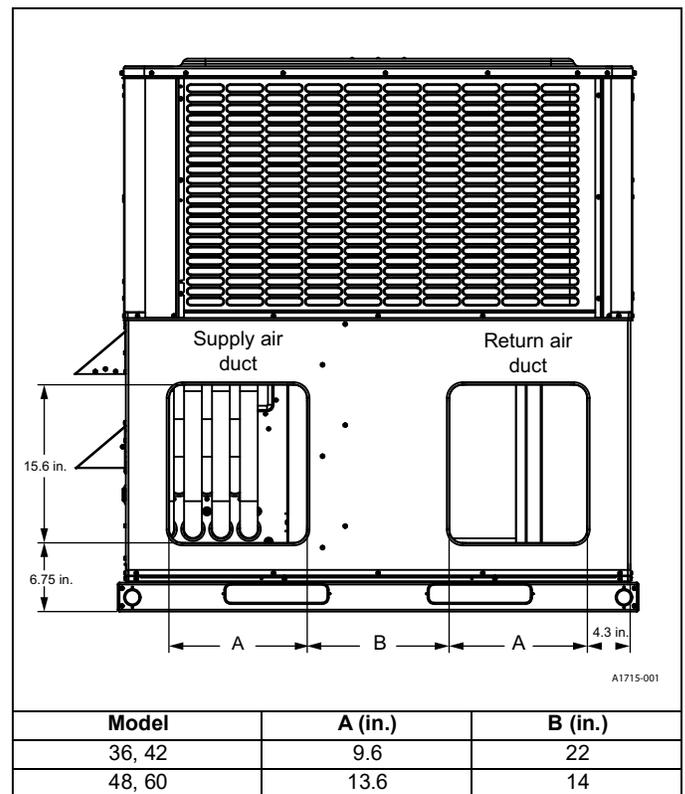
1. The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit delivers less CFM during full economizer operation.

Note: Filter pressure drop based on standard filter media tested at velocities not to exceed 300 ft/min.

Bottom duct dimensions (in.)

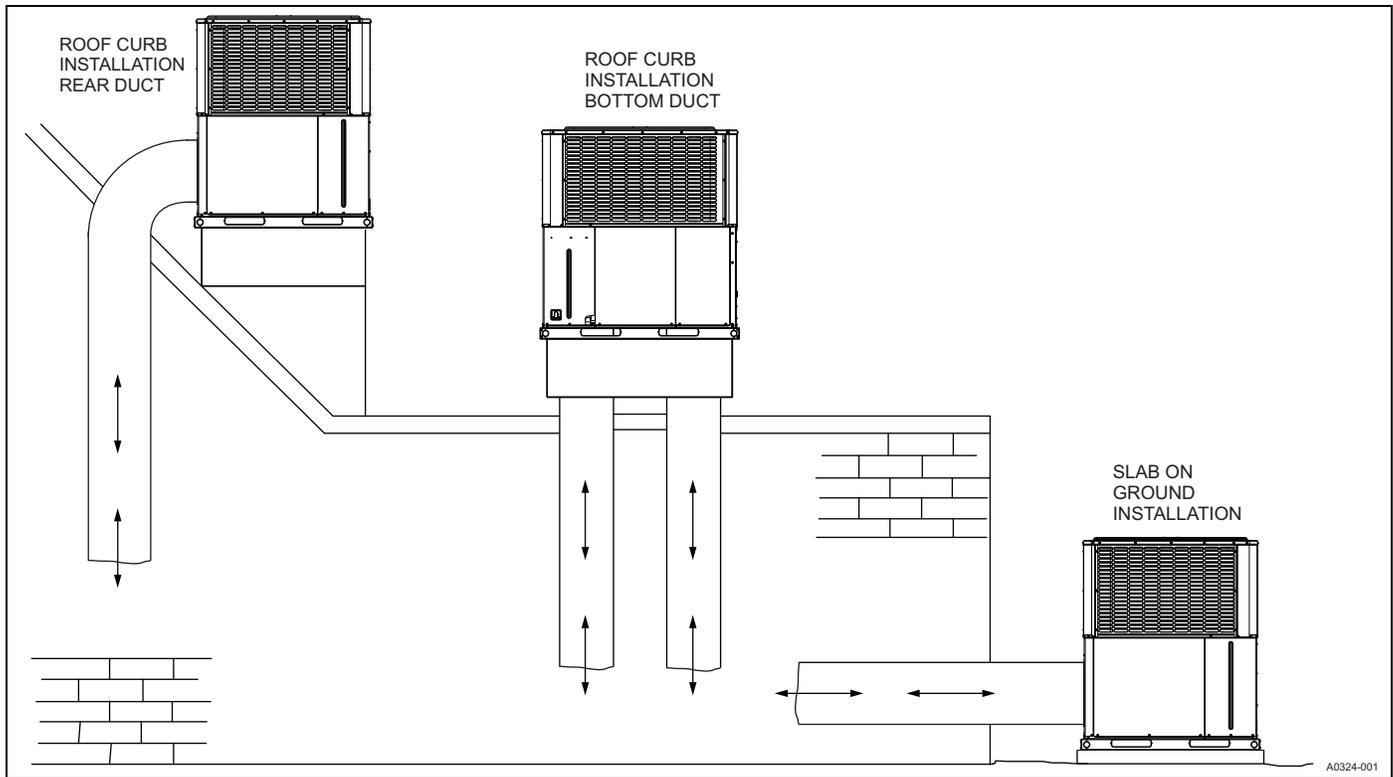


Rear duct dimensions (in.)

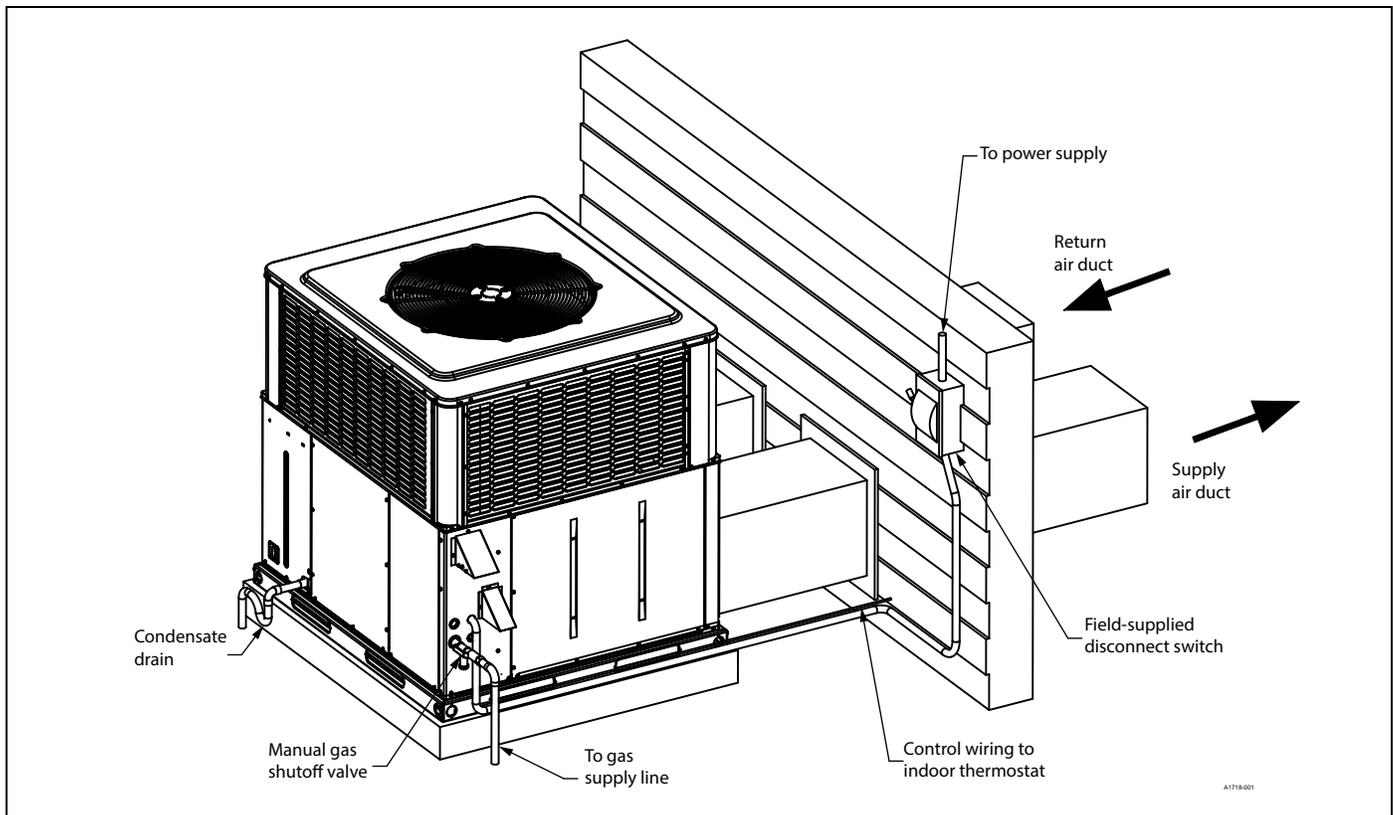


Note: See Unit dimensions figure for side hole sizes of electrical and gas lines.

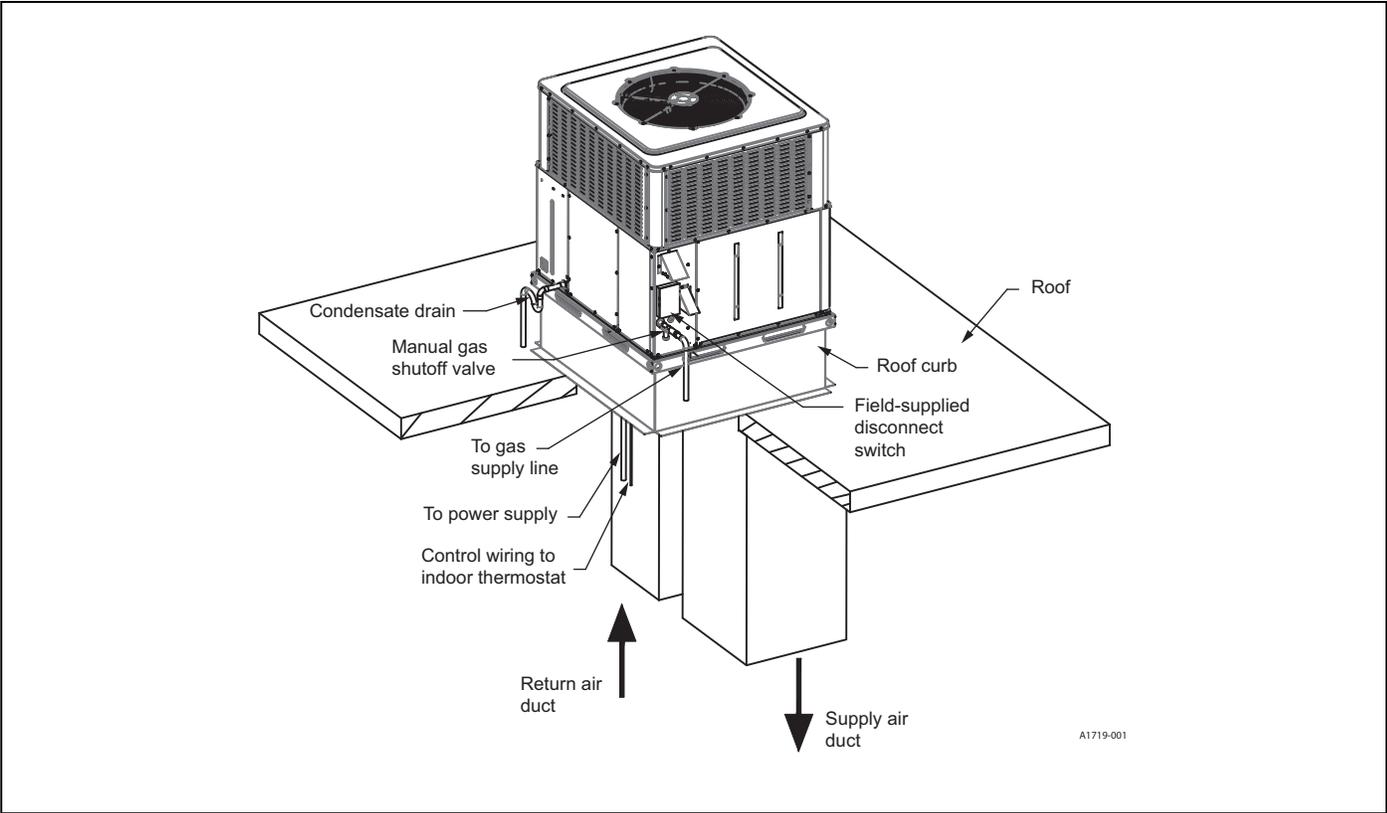
Unit typical duct applications



Unit typical slab on ground installation



Unit typical roof curb installation



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NOTES