



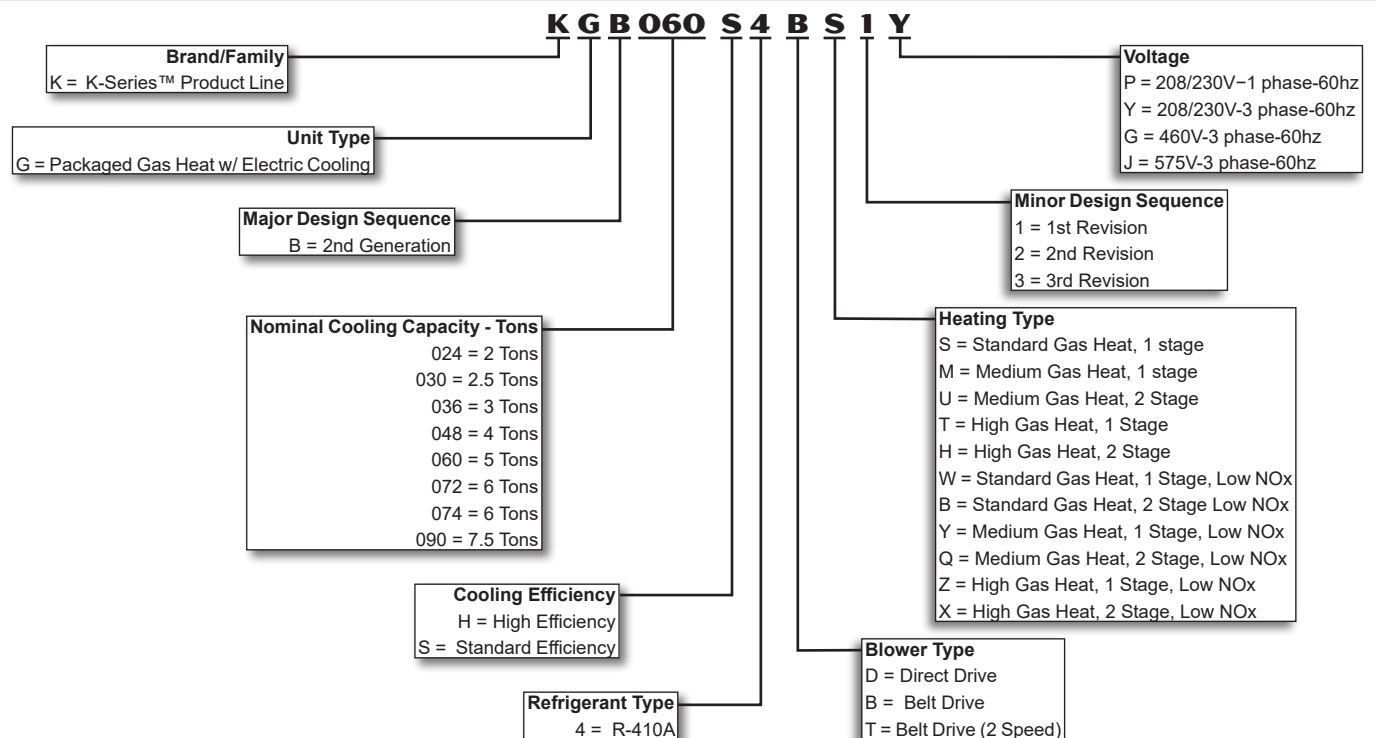
**ASHRAE 90.1
COMPLIANT**

2 to 7.5 Tons

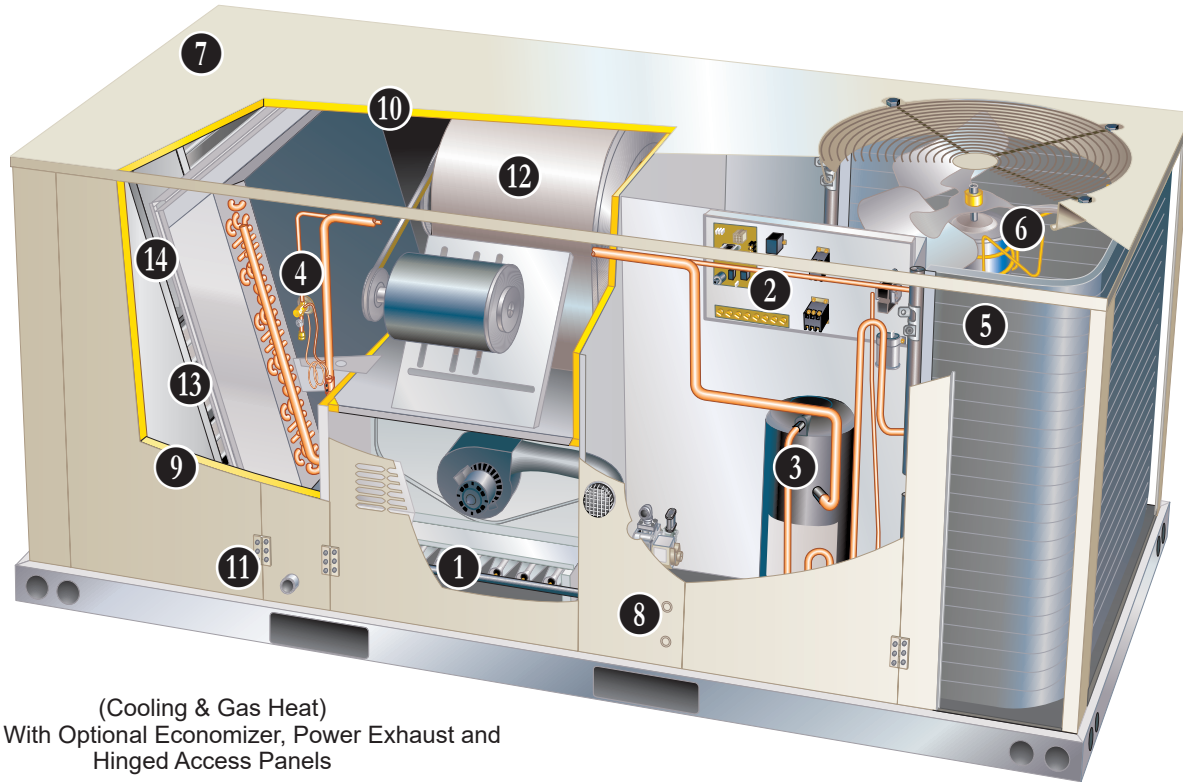
Net Cooling Capacity – 24,200 to 88,000 Btuh

Gas Input Heat Capacity – 65,000 to 150,000 Btuh

MODEL NUMBER IDENTIFICATION



FEATURES AND BENEFITS



K-Series™ rooftop units from Allied are the new standard for reliable, efficient rooftop units built for long-lasting performance that can significantly improve indoor environments. K-Series™ rooftop units feature:

- **R-410A Refrigerant** - Environmentally friendly.
- **Single Speed Scroll Compressor** - Furnished on 024 through 072 models.
- **Two-Stage Scroll Compressor** - Furnished on 074 through 090 models. Allows rooftop units to deliver just the necessary amount of cooling needed to meet the space's demand.
- **Eco-Last™ Coil System** - Smaller, lighter condenser coil with improved heat transfer.
- **High Pressure Switches** - Protect compressor.
- **Isolated Compressor Compartment** - Allows performance check during normal compressor operation without disrupting airflow.
- **Direct or Belt Drive Blower Motors** - Direct drive (024, 030, 036, 048 and 060 models). Belt drive motors (036, 048, 060, 072, 074, and 090 models) to maximize air performance.
- **Independent Motor Mounts** - Allows for easy and efficient service access without removing the top panel.
- **Downflow or Horizontal Airflow** - Easy field conversion.
- **Two Fork Lift Slots on Three Sides** - Easy to pick up and transport units from almost any angle.
- **Corrosion-Resistant Removable, Reversible Drain Pan** - Provides application flexibility, durability and improved serviceability.
- **Thermostatic Expansion Valves** - Provide peak cooling performance across the entire application range.
- **Common Components** - Many maintenance items are standard throughout the entire product line, reducing the need to carry different parts to the job or maintain in inventory.

FEATURES AND BENEFITS

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APPROVALS

AHRI Certified to AHRI Standard 210/240 (2 thru 5 ton models) and AHRI Standard 340/360 (6 ton models).

ETL and CSA listed.

Units are Certified by CSA.

Components bonded for grounding to meet safety standards for servicing required by UL, ULC and National and Canadian Electrical Codes.

All models are ASHRAE 90.1 compliant.

ISO 9001 Registered Manufacturing Quality System.

Models equipped with low NOx gas heat meet the California Nitrogen Oxides (NOx) Standards that apply in the South Coast Air Quality Management District and the San Francisco Bay Area Air Quality Management District.

California Only

If installed in South Coast Air Quality Management District (SCAQMD) only:

This gas unit does not meet the SCAQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to \$450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

If installed in San Joaquin Valley Air Pollution Control District (SJVAPCD) only:

This gas unit does not meet the SJVAPCD Rule 4905 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to \$450.

WARRANTY

Limited ten years aluminized heat exchanger, limited fifteen years optional stainless steel heat exchanger.

Limited five years on compressors.

Limited three years on the Eco-Last™ Coil System.

Limited five years Optional High Performance Economizers.

Limited one year all other covered components.

HEATING SYSTEM

- 1 Aluminized steel inshot burners, direct spark ignition, electronic flame sensor, combustion air inducer, redundant automatic single or dual stage gas valve with manual shut-off.

Heat Exchanger

Tubular construction, aluminized steel, life cycle tested.

Stainless Steel Heat Exchanger is required if mixed air temperature is below 45°F.

- 2 Electronic Pilot Ignition

Electronic spark igniter provides positive direct ignition of burners on each operating cycle. The system permits main gas valve to stay open only when the burners are proven to be lit. Should a loss of flame occur, the gas valve closes, shutting off the gas to the burners. Ignition module has LED to indicate status and aid in troubleshooting.

Watchguard circuit on module automatically resets ignition controls after one hour of continuous thermostat demand after unit lockout, eliminating nuisance service calls. Ignition control is factory installed in the controls section.

Limit Controls

Factory installed, redundant limit controls with fixed temperature setting.

Heat limit controls protect heat exchanger and other components from overheating.

Safety Switches

Flame roll-out switch, flame sensor and combustion air inducer proving switch protect system operation.

Low NOx Models

All single phase models are available in low NOx versions (40 ng/J).

FEATURES AND BENEFITS

HEATING SYSTEM (continued)

Required Selections

Gas Input Choice - Order one:

- Standard Gas Heat (1 Stage)
65,000 Btuh
- Standard Gas Heat (2 Stage)
70,000/53,000 Btuh
- Medium Gas Heat (1 Stage)
108,000 Btuh
- Medium Gas Heat (2 Stage)
81,000/108,000 Btuh
- High Gas Heat (1 Stage)
150,000 Btuh
- High Gas Heat (2 Stage)
113,000/150,000 Btuh

Required Selections (continued)

Standard or Low NOx

Specify standard gas heat or Low NOx (40 ng/J) option (three phase models only).

NOTE - All single phase models are Low NOx (40 ng/J) equipped.

NOTE - Standard Gas Heat (2 Stage) is only available with Low NOx models.

Options/Accessories

Factory Installed

Stainless Steel Heat Exchanger

Required if mixed air temperature is below 45°F.

Field Installed

Combustion Air Intake Extensions

Recommended for use with existing flue extension kits in areas where high snow areas can block intake air.

Low Temperature Vestibule Heater

Electric heater automatically controls minimum temperature in gas burner compartment when temperature is below -40°F. C.S.A. certified to allow operation of unit down to -60°F.

LPG/Propane Kits

Conversion kit to field change over units from Natural Gas to LPG/Propane.

Vertical Vent Extension Kit

Use to exhaust flue gases vertically above unit. Required when unit vent is too close to fresh air intakes per building codes. The vent kit also prevents ice formation on intake louvers.

COOLING SYSTEM

Designed to maximize sensible and latent cooling performance at design conditions.

System can operate from 30°F to 125°F without any additional controls.

R-410A Refrigerant

Non-chlorine, ozone friendly, R-410A.

Unit is factory pre-charged with refrigerant. See Specifications Tables.

3 Single Speed Scroll Compressor (024 through 072 Models)

Scroll compressors for high performance, reliability and quiet operation.

Resiliently mounted on rubber grommets for quiet operation.

Copeland Scroll Ultra Tech™ Two-Stage Compressor (074 and 090 Models)

Two-stage scroll compressors for increased part load efficiency, high performance, reliability and quiet operation.

Resiliently mounted on rubber grommets for quiet operation.

Compressor Crankcase Heater

Protects against refrigerant migration that can occur during low ambient operation.

4 Thermal Expansion Valve

Assures optimal performance throughout the application range. Removable element head.

Filter/Drier

High capacity filter/drier protects the system from dirt and moisture.

High Pressure Switch

Protects the compressor from overload conditions such as dirty condenser coils, blocked refrigerant flow, or loss of outdoor fan operation.

Freezestat

Protects the evaporator coil from damaging ice build-up due to conditions such as low/no air flow, or low refrigerant charge.

5 Eco-Last™ Coil System (All Models)

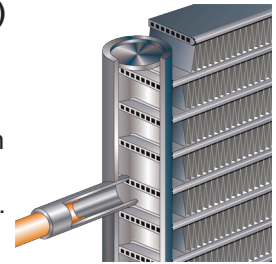
Condenser coil features lightweight, all aluminum brazed fin construction.

Constructed of three components: a flat extrusion tube, fins in-between the flat extrusion tubes and two refrigerant manifolds.

Eco-Last™ Coil System Features:

- Improved heat transfer performance due to high primary surface area (flat tubes) versus secondary surface (fins).
- Smaller internal volume (reduced refrigerant charge).
- High durability (all aluminum construction).
- Fewer brazed joints.
- Compact design (reduces unit weight).
- Easy maintenance/cleaning.

Mounting brackets with rubber inserts secure coil to unit providing vibration dampening and corrosion protection.



FEATURES AND BENEFITS

COOLING SYSTEM **(continued)**

Conventional Fin/Tube Coil and Evaporator Coil (all models)

Copper tube construction, enhanced rippled-edge aluminum fins, flared shoulder tubing connections, silver soldered construction for improved heat transfer. Factory leak tested

Evaporator coil cross row circuiting with rifled tubing optimizes both sensible and latent cooling capacity.

Condensate Drain Pan

Plastic pan, sloped to meet drainage requirements of ASHRAE 62.1.

Side or bottom drain connections. Reversible to allow connection at back of unit.

6 Outdoor Coil Fan Motor

Thermal overload protected, totally enclosed, permanently lubricated sleeve (024, 030, 036 and 048 models) or ball bearings (060, 072, 074, and 090 models), shaft up, wire basket mount.

Outdoor Coil Fan

PVC coated fan guard furnished.

Required Selections

Cooling Capacity

Specify nominal cooling capacity of the unit.

Options/Accessories

Field Installed

Condensate Drain Trap

Field installed only.

Available in copper or PVC.

Drain Pan Overflow Switch

Monitors condensate level in drain pan, shuts down unit if drain becomes clogged.

Low Ambient Kit

Cycles the outdoor fan while allowing compressor operation in the cooling cycle. This intermittent fan operation allows the system to operate without icing the evaporator coil and losing capacity. Designed for use in ambient temperatures no lower than 0°F. A crankcase heater must be installed on the compressor.

CABINET

7 Construction

Heavy-gauge steel panels and full perimeter heavy-gauge galvanized steel base rail provides structural integrity for transportation, handling, and installation. Base rails have rigging holes. Three sides of the base rail have fork slots.

Raised edges around duct and power entry openings in the bottom of the unit provide additional protection against water entering the building.

Airflow Choice

Units are shipped in downflow (vertical) configuration, can be field converted to horizontal air flow configuration without the need of a kit.

8 Power/Gas Entry

Electrical and gas lines can be brought through the unit base or through horizontal access knock-outs.

Optional Bottom Gas Entry Kit is available.

9 Exterior Panels

Constructed of heavy-gauge, galvanized steel with a two-layer enamel paint finish.

10 Insulation

All panels adjacent to conditioned air are fully insulated with non-hygroscopic fiberglass insulation.

Unit base is fully insulated. The insulation also serves as an air seal to the roof curb, eliminating the need to add a seal during installation.

Access Panels

Access panels are provided for the economizer/filter section, heating/blower section, and the compressor/controls section.

NOTE - KGB060/074/090 models include a filler panel for proper cabinet fit for optional accessories (Economizers, Power Exhaust, Outdoor Air Dampers and Barometric Relief Dampers).

Options/Accessories

Factory Installed

Corrosion Protection

A completely flexible immersed coating with an electro-deposited dry film process (AST ElectroFin E-Coat). Meets Mil Spec MIL-P-53084, ASTM B117 Standard Method Salt Spray Testing.

Indoor Corrosion Protection:

- Coated coil
- Painted blower housing
- Painted base

Outdoor Corrosion Protection:

- Coated coil
- Painted base

11 Hinged Access Panels

Large access panels are hinged and have quarter-turn latches for quick and easy access to maintenance areas (economizer / filter, compressor / controls, heating / blower).

Field Installed

Combination Coil/Hail Guards

Heavy gauge steel frame painted to match cabinet with expanded metal mesh to protect the outdoor coil from damage.

Bottom Gas Entry Kit

Field installed piping kit to facilitate bottom gas entry.

FEATURES AND BENEFITS

CONTROLS

Unit Control

All control voltage is provided via a 24V (secondary) transformer with built-in circuit breaker protection.

Heat/Cool Staging - Capable of up to 2 heat / 2 cool staging with a third party DDC control system or thermostat.

Low Voltage Terminal Block -

Provides screw terminal connections for thermostat or controller wiring.

Night Setback Mode - Saves energy by closing outdoor air dampers and operating supply fan on thermostat demand only.

Options / Accessories

Field Installed

Smoke Detector

Photoelectric type, installed in supply air section, return air section or both sections. Available with power board and single sensor (supply or return) or power board and two sensors (supply and return). Power board located in unit control compartment.

12 BLOWER

A wide selection of supply air blower options are available to meet a variety of air flow requirements.

Motor

Overload protected, equipped with ball bearings (belt drive) or sleeve bearings (direct drive).

Direct drive motors are offered on 024, 030, 036, 048 and 060 models.

Single Speed belt drive motors are offered on 036, 048, 060 and 072 models and are available in several different sizes to maximize air performance.

Two-speed belt drive motors (low static/high static) are available on 074 and 090 models in several different sizes to maximize air performance.

Supply Air Blower

Forward curved blades, blower wheel is statically and dynamically balanced.

All belt drive motors have adjustable pulley for speed change.

Ordering Information

Specify direct drive or belt drive motor.

For belt drive, specify motor horsepower and drive kit number when base unit is ordered.

Required Selections

Supply Air Blower

Order one, belt drive or direct drive (See Blower Data Table for specifications).

Order one drive kit, belt drive only, see Drive Kit Specifications Table.

INDOOR AIR QUALITY

Air Filters

Disposable 2 inch filters furnished as standard.

Options/Accessories

Field Installed

High Performance Air Filters

Disposable MERV 8 or MERV 13 (Minimum Efficiency Reporting Value based on ASHRAE 52.2) efficiency 2 inch pleated filters.

ELECTRICAL

Marked & Color-Coded Wiring

All electrical wiring is color-coded and marked to identify which components it is connecting.

Electrical Plugs

Positive connection electrical plugs are used to connect common accessories or maintenance parts for easy removal or installation.

Required Selections

Voltage Choice

Specify when ordering base unit.

Options/Accessories

Factory or Field Installed

Disconnect Switch (80 Amp)

Accessible from outside of unit, spring loaded weatherproof cover furnished. Main power to the unit is field connected to the disconnect which allows all power to be shut off for service. See Electrical Data tables for ordering information, page 40.

GFI Service Outlets (2)

115V ground fault circuit interrupter (GFCI) type, non-powered, field-wired.

Field Installed

GFI Weatherproof Cover

Single-gang cover.

Heavy-duty UV-resistant polycarbonate case construction. Hinged base cover with gasket.

ECONOMIZER OPTIONS

Factory or Field Installed

13 Economizer (Standard and High Performance Common Features)

Outdoor Air Hood is furnished.

Factory installed Economizer can be ordered with two exhaust options:

- Barometric Relief Dampers and Exhaust Hood.
- No Exhaust.

Field installed Economizer includes Barometric Relief Dampers with Exhaust Hood.

Barometric Relief Dampers allow relief of excess air, aluminum blade dampers prevent blow back and outdoor air infiltration during off cycle, bird screen furnished.

Occupied/Unoccupied mode with field furnished setback thermostat.

Demand Control Ventilation (DCV) ready using optional CO₂ sensors.

Mixed Air Sensor is furnished for field installation in the rooftop unit. Sensor is factory installed when Economizers are factory installed.

Single sensible sensor is furnished with Economizer and enables economizer operation if the outdoor temperature is less than the setpoint of the control.

Horizontal Economizer Conversion kit is available for field installation.

Standard Economizer Features (Not for Title 24)

Gear-driven action, return air and outdoor air dampers, plug-in connections to unit, neoprene seals, 24-volt, fully-modulating spring return motor.

Standard Economizer Control Module

The Standard Economizer Control Module can be adjusted to operate based on outdoor air temperatures.



Economizer Controls:

- Damper Minimum Position - Can be set lower than traditional minimum air requirements resulting in cost savings.
- IAQ Sensor - Signals dampers to modulate and maintain 55°F when CO₂ is higher than the CO₂ setpoint.
- Demand Control Ventilation (DCV) LED - A steady green Demand Control Ventilation LED indicates the IAQ reading is higher than setpoint and requires more fresh air.
- Free Cool LED - A steady green LED indicates outdoor air is suitable for free cooling.

Free Cooling runs when outdoor air temperature is lower than the set temperature on the economizer control.

NOTE: The Free Cooling default setting for outdoor air temperature sensor is 55°F.

High Performance Economizer Features

Approved for California Title 24 building standards.

Low leakage dampers are Air Movement and Control Association International (AMCA) Class 1A Certified - Maximum 3 CFM per sq. ft. leakage at 1 in. w.g.

ASHRAE 90.1-2010 compliant.

Gear-driven action, high torque 24-volt fully-modulating spring return damper motor, return air and outdoor air dampers, plug-in connections to unit, nylon bearings, enhanced neoprene blade edge seals and flexible stainless steel jamb seals to minimize air leakage.

NOTE - High Performance Economizers are not approved for use with enthalpy controls in Title 24 applications.

High Performance Economizer Control Module

Module provides inputs and outputs to control economizer based on parameter settings.



Module automatically detects sensors by polling to determine which sensors are installed in system.

Module displays any alarm messages (fault detection and diagnostics) as an aid in troubleshooting.

Non-volatile memory retains parameter settings in case of power failure.

Keypad with four navigation buttons and LCD screen is furnished for setting economizer parameters.

- Menu Up/Exit button returns to the main menu.
- Arrow Up button moves to the previous or next parameter within the selected menu.
- Arrow Down button moves to the next parameter within the selected menu.
- Select (enter) button confirms parameter selection.

Main Menu Structure:

- STATUS (economizer and system operation status)
- SETPOINTS (settings for various setpoint parameters)
- SYSTEM SETUP (settings/information about the system)
- ADVANCED SETUP (freeze protection, CO₂ settings, stage 3 delay and additional calibration settings)
- CHECKOUT (damper positions)
- ALARMS (output signal that can be configured for remote alarm monitoring)

OPTIONS / ACCESSORIES

ECONOMIZER OPTIONS **(continued)**

NOTE - The Free Cooling setpoint for Title 24 applications must be set based on the Climate Zone where the system is installed. See Section 140.4 "Prescriptive Requirements for Space Conditioning Systems" of the California Energy Commission's 2013 Building Energy Efficiency Standards.

Refer to Installation Instructions for complete setup information and menu parameters available.

Factory or Field Installed

Single Enthalpy Temperature Control

(Not for Title 24)

Outdoor air enthalpy sensor enables Economizer if the outdoor enthalpy is less than the setpoint of the control.

Field Installed

Differential Enthalpy Control **(Not for Title 24)**

Order two Single Enthalpy Controls. One is field installed in the return air section, the other in the outdoor air section. Allows the economizer control board to select between outdoor air or return air, whichever has lower enthalpy.

Horizontal Economizer Conversion Kit

Insulated panel covers the bottom return air opening on the unit base to convert downflow Economizer to horizontal airflow.

EXHAUST OPTIONS

Field Installed

14 Power Exhaust Fan

Installs internal to unit for downflow applications only with Economizer option. Provides exhaust air pressure relief. Interlocked to run when supply air blower is operating, fan runs when outdoor air dampers are 50% open (adjustable), motor is overload protected.

Fan is 16 in. diameter with 4 fan blades and a 1/3 hp motor.

NOTE - Not available for 024 and 030 models.

NOTE - If Power Exhaust is field installed with a factory installed Economizer, the Economizer must be ordered with the "No Exhaust" option and the Barometric Relief Dampers with Exhaust Hood must also be ordered separately for field installation.

OUTDOOR AIR OPTIONS

Factory or Field Installed

Outdoor Air Dampers - Downflow or Horizontal

Single blade damper, 0 to 25% (fixed) outdoor air adjustable, installs in unit.

Automatic model features fully modulating spring return damper motor with plug-in connection.

Manual model features a slide damper. Maximum mixed air temperature in cooling mode: 100°F.

Outdoor Air Hood is furnished.

ROOF CURBS

Nailer strip furnished, mates to unit, US National Roofing Contractors Approved, shipped knocked down.

Hybrid Roof Curbs, Downflow

Roof curb can be assembled using interlocking tabs to fasten corners together. No tools required.

Curb can also be fastened together with furnished hardware.

Available in 8, 14, 18, and 24 inch heights.

Full Perimeter Curbs, Downflow (090 Models Only)

Hybrid roof curbs can be assembled using interlocking tabs to fasten corners together. No tools required.

Hybrid roof curbs can also be fastened together with furnished hardware.

Available in 8, 14, 18, and 24 inch heights.

NOTE - 090 models can be used on smaller 79-3/4 in. Hybrid Roof Curbs (not full perimeter) with 15-3/4 in. overhang at condenser end of unit. See dimension drawing on page 52.

Adjustable Pitch Curb

Fully adjustable pitch curb provides a level platform for rooftop units allowing flexible installations on roofs with uneven or sloped angles.

Maximum slope is 3/4 in. per foot in any direction.

Uses interlocking tabs to fasten corners together. No tools required.

Hardware is furnished to connect upper curb with lower curb.

Available in 14 inch height.

Adaptor Curbs (not shown)

Curbs are regionally sourced. Dimensions will vary based upon the source. Contact your local sales representative for a detailed cut sheet with applicable dimensions.

CEILING DIFFUSERS

Ceiling Diffusers (Flush and Step-Down)

Diffuser face and grilles with white powder coat finish, insulated (UL listed duct liner), diffuser box with collars for duct connection, fixed blades (flush diffusers) and double deflection blades (step-down diffusers), provisions for suspending, internally sealed (prevents recirculation), removable return air grille, adapts to T-bar ceiling grids or plaster ceilings.

Transitions (Supply and Return)

Used with diffusers, installs in roof curb, galvanized steel construction, flanges furnished for duct connection to diffusers, fully insulated.

OPTIONS / ACCESSORIES

Item		Model No.	Catalog No.	Unit Model No.							
				KGB 024	KGB 030	KGB 036	KGB 048	KGB 060	KGB 072	KGB 074	KGB 090
COOLING SYSTEM											
Condensate Drain Trap	PVC - C1TRAP20AD2	76W26		X	X	X	X	X	X	X	X
	Copper - C1TRAP10AD2	76W27		X	X	X	X	X	X	X	X
Drain Pan Overflow Switch	K1SNSR71AB1-	74W42		X	X	X	X	X	X	X	X
Low Ambient Kit	K1SNSR33AN2	14D89		X	X	X	X	X	X	X	X
Efficiency	High								O	O	O
	Standard			O	O	O	O	O		O	O
Refrigerant Type	R-410A			O	O	O	O	O	O	O	O
HEATING SYSTEM											
Bottom Gas Piping Kit	T1GPKT01AN1	19W50		X	X	X	X	X	X	X	X
Low Temperature Vestibule Heater	208/230V-1 or 3 ph - T1CWKT01AN1Y	19W53		X	X	X	X	X	X	X	X
	460V-3ph - T1CWKT01AN1G	19W54				X	X	X	X	X	X
	575V-3ph - T1CWKT01AN1J	19W62				X	X	X	X	X	X
Combustion Air Intake Extensions	T1EXTN10AN1	19W51		X	X	X	X	X	X	X	X
Gas Heat Input	Standard One-Stage - 65 kBtuh input	Factory		O	O	O	O	O	O	O	
	Standard Two-Stage - 53/70 kBtuh input	Factory				1 O	1 O	1 O	1 O	1 O	
	Medium One-Stage - 108 kBtuh input	Factory				O	O	O	O	O	O
	Medium Two Stage - 81/108 kBtuh input	Factory				O	O	O	O	O	O
	High One-Stage - 150 kBtuh input	Factory					O	O	O	O	O
	High Two-Stage - 113/150 kBtuh input	Factory					O	O	O	O	O
LPG/Propane Conversion Kits	For one-stage models - C1PROP10AP3	14N20		X	X	X	X	X	X	X	X
	For two-stage models - C1PROP20AP3	14N21				X	X	X	X	X	X
Stainless Steel Heat Exchanger		Factory		O	O	O	O	O	O	O	O
Vertical Vent Extension	C1EXTN20FF1	31W62		X	X	X	X	X	X	X	X

¹ Standard Two-Stage Heat is only available with Low NOx Models.

NOTE - The catalog and model numbers that appear here are for ordering field installed accessories only.

OX - Field Installed or Configure to Order (Factory Installed)

O - Configure to Order (Factory Installed)

X - Field Installed.

OPTIONS / ACCESSORIES

Item	Model No.	Catalog No.	Unit Model No.							
			KGB 024	KGB 030	KGB 036	KGB 048	KGB 060	KGB 072	KGB 074	KGB 090
BLOWER - SUPPLY AIR										
Motors	Direct Drive - 0.25 hp (208/230V-1ph)	Factory	O	O						
	Direct Drive - 0.5 hp (208/230V-1ph, 208/230V-3ph, 460V-3ph, 575V-3ph)	Factory			O	O				
	Direct Drive - 0.75 hp (208/230V-1ph, 208/230V-3ph, 460V-3ph, 575V-3ph)	Factory					O			
	Belt Drive - 0.75 hp (208/230V-1ph) Standard Efficiency	Factory			O	O	O			
	Belt Drive - 1.5 hp (208/230V-1ph) Standard Efficiency	Factory			O	O	O			
	Belt Drive - 1 hp (208/230V, 460V, 575V-3ph) Standard Efficiency	Factory			O	O	O	O	³ O	⁴ O
	Belt Drive - 2 hp (208/230V, 460V, 575V-3ph) Standard Efficiency	Factory			O	O	O	O	³ O	⁴ O
	Belt Drive - 3 hp (208/230V, 460V, 575V-3ph) Standard Efficiency	Factory								⁴ O
	Belt Drive - 1 hp (208/230V, 460V, 575V-3ph) (2 Speed)	Factory							³ O	
	Belt Drive - 2 hp (208/230V, 460V, 575V-3ph) (2 Speed)	Factory							³ O	⁵ O
Drive Kits	Kit A01 - T1DRKT001-1 - 673-1010 rpm	Factory			O					
See Blower Data Tables for selection	Kit A02 - T1DRKT002-1 - 745-1117 rpm	Factory				O				
	Kit A03 - T1DRKT003-1 - 833-1250 rpm	Factory					O			
	Kit A04 - T1DRKT004-1 - 968-1340 rpm	Factory						O	¹ O	
	Kit A05 - T1DRKT005-1 - 897-1346 rpm	Factory			O					
	Kit A06 - T1DRKT006-1 - 1071-1429 rpm	Factory				O				
	Kit A07 - T1DRKT007-1 - 1212-1548 rpm	Factory					O			
	Kit A08 - T1DRKT008-1 - 1193-1591 rpm	Factory						O	¹ O	
	Kit AA01 - T1DRKT001AP1 - 522-784 rpm	Factory							O	² O
	Kit AA02 - T1DRKT002AP1 - 632-875 rpm	Factory							O	² O
	Kit AA03 - T1DRKT003AP1 - 798-1105 rpm	Factory						O	² O	
	Kit AA04 - T1DRKT004AP1 - 921-1128 rpm	Factory								⁶ O
CABINET										
Combination Coil/Hail Guards	C1GARD51A-1	13R98	X	X	X	X				
	C1GARD51AT1	13T03					X	X	X	
	K1GARD50AP1	13T17								X
Corrosion Protection		Factory	O	O	O	O	O	O	O	O
Hinged Access Panels			O	O	O	O	O	O	O	O
CONTROLS										
NOTE - Also see Conventional Thermostat Control Systems on page 47 for Additional Options.										
Smoke Detector - Supply or Return (Power board and one sensor)	C1SNSR44AP1	53W78	X	X	X	X	X	X	X	X
Smoke Detector - Supply and Return (Power board and two sensors)	C1SNSR43AP1	53W79	X	X	X	X	X	X	X	X

¹ 074S Belt Drive models only.

² 074H Belt Drive models only.

³ KGB074B models have an optional 1hp or 2hp **Single Speed** Belt Drive; KCB074T models have an optional 1hp or 2hp **Two Speed** Belt Drive

⁴ KGB090B models have an optional 1hp, 2hp or 3hp Single Speed Belt Drive

⁵ KGB090T models have 2hp Two Speed Belt Drive

⁶ KGB090B with 3 hp blower motor only.

NOTE - The catalog and model numbers that appear here are for ordering field installed accessories only.

OX - Field Installed or Configure to Order (Factory Installed)

O - Configure to Order (Factory Installed)

X - Field Installed.

OPTIONS / ACCESSORIES

Item	Model No.	Catalog No.	Unit Model No.							
			KGB 024	KGB 030	KGB 036	KGB 048	KGB 060	KGB 072	KGB 074	KGB 090
ECONOMIZER										
Standard Economizer With Outdoor Air Hood (Sensible Control) (Not for Title 24)										
Standard Economizer - Includes Barometric Relief Dampers and Exhaust Hood	K1ECON30A-3-	14D90	OX	OX	OX	OX	OX	OX	OX	OX
Standard Economizer - No Exhaust		Factory	O	O	O	O	O	O	O	X
Standard Economizer Controls (Not for Title 24)										
Single Enthalpy Control	C1SNSR64FF1	53W64	OX	OX	OX	OX	OX	OX	OX	OX
Differential Enthalpy Control (order 2)	C1SNSR64FF1	53W64	X	X	X	X	X	X	X	X
High Performance Economizer With Outdoor Air Hood (Sensible Control) (Approved for California Title 24 Building Standards / AMCA Class 1A Certified)										
High Performance Economizer - Includes Barometric Relief Dampers and Exhaust Hood	K1ECON32A-3	16X75	OX	OX	OX	OX	OX	OX	OX	OX
High Performance Economizer Controls (Not for Title 24)										
Single Enthalpy Control	C1SNSR60FF1	10Z75	OX	OX	OX	OX	OX	OX	OX	OX
Differential Enthalpy Control (order 2)	C1SNSR60FF1	10Z75	X	X	X	X	X	X	X	X
Economizer Accessories										
Horizontal Economizer Conversion Kit	T1HECK00AN1	17W45	X	X	X	X	X	X	X	X
OUTDOOR AIR										
Outdoor Air Dampers With Outdoor Air Hood										
Motorized	C1DAMP21A-1	15D17	OX	OX	OX	OX	OX	OX	OX	OX
Manual	C1DAMP11A-2	15D18	OX	OX	OX	OX	OX	OX	OX	OX
POWER EXHAUST FAN										
Standard Static <i>NOTE - Order Barometric Relief Dampers with Exhaust Hood below if unit is ordered with factory installed Standard Economizer with “No Exhaust” option</i>	208/230V-1 or 3ph - C1PWRE10A-1P	79W87			X	X	X	X	X	X
	460V-3ph - C1PWRE10A-1G	79W88			X	X	X	X	X	X
	575V-3ph - C1PWRE10A-1J	79W89			X	X	X	X	X	X
' BAROMETRIC RELIEF										
Barometric Relief Dampers with Exhaust Hood	C1DAMP50A-1-	74W38	X	X	X	X	X	X	X	X
ELECTRICAL										
Voltage 60 hz	208/230V - 1 phase		O	O	O	O	O			
	208/230V - 3 phase				O	O	O	O	O	O
	460V - 3 phase				O	O	O	O	O	O
	575V - 3 phase				O	O	O	O	O	O
Disconnect	See Electrical Data Tables for selection		OX	OX	OX	OX	OX	OX	OX	OX
GFI Service Outlets	15 amp non-powered, field-wired (208/230V, 460V only) LTAGFIK10/15	74M70	OX	OX	OX	OX	OX	OX	OX	OX
	20 amp non-powered, field-wired (575V only)	C1GFCI20FF1	67E01	X	X	X	X	X	X	X
Weatherproof Cover for GFI	C1GFCI99FF1	10C89	X	X	X	X	X	X	X	X

¹ Required when Economizer is factory installed (no exhaust option) with field installed Power Exhaust Fan option.

NOTE - The catalog and model numbers that appear here are for ordering field installed accessories only.

OX - Field Installed or Configure to Order (Factory Installed)

O - Configure to Order (Factory Installed)

X - Field Installed.

OPTIONS / ACCESSORIES

Item	Model No.	Catalog No.	Unit Model No.								
			KGB 024	KGB 030	KGB 036	KGB 048	KGB 060	KGB 072	KGB 074	KGB 090	
INDOOR AIR QUALITY											
Air Filters											
High Efficiency Air Filters Order 4 per unit	MERV 8 (16 x 20 x 2) - C1FLTR15A-1-	54W20	X	X	X	X					
	MERV 13 (16 x 20 x 2) - T1FLTR40A-1-	52W37	X	X	X	X					
	MERV 8 (20 x 20 x 2) - C1FLTR15D-1-	54W21					X	X	X	X	
	MERV 13 (20 x 20 x 2) - C1FLTR40D-1-	52W39					X	X	X	X	
Indoor Air Quality (CO ₂) Sensors											
Sensor - Wall-mount, off-white plastic cover with LCD display	C0SNSR50AE1L	77N39	X	X	X	X	X	X	X	X	
Sensor - Wall-mount, black plastic case, no display, rated for plenum mounting	C0SNSR53AE1L	87N54	X	X	X	X	X	X	X	X	
CO ₂ Sensor Duct Mounting Kit - for downflow applications	C0MISC19AE1-	85L43	X	X	X	X	X	X	X	X	
Aspiration Box - for duct mounting non-plenum rated CO ₂ sensor (77N39)	C0MISC16AE1-	90N43	X	X	X	X	X	X	X	X	
CEILING DIFFUSERS											
Step-Down - Order one	RTD9-65S	13K60	X	X	X	X	X				
	RTD11-95S	13K61						X	X	X	
Flush - Order one	FD9-65S	13K55	X	X	X	X	X				
	FD11-95S	13K56						X	X	X	
Transitions (Supply and Return) - Order one	T1TRAN10AN1	17W53	X	X	X	X	X				
	T1TRAN20N-1	17W54						X	X	X	
ROOF CURBS											
Hybrid Roof Curbs, Downflow											
8 in. height	C1CURB70A-1	11F50	X	X	X	X	X	X	X	² X	
14 in. height	C1CURB71A-1	11F51	X	X	X	X	X	X	X	² X	
18 in. height	C1CURB72A-1	11F52	X	X	X	X	X	X	X	² X	
24 in. height	C1CURB73A-1	11F53	X	X	X	X	X	X	X	² X	
Hybrid Roof Curbs, Full Perimeter, Downflow											
8 in. height	K1CURB70AP1	11S47								X	
14 in. height	K1CURB71AP1	11S48								X	
18 in. height	K1CURB72AP1	11T01								X	
24 in. height	K1CURB73AP1	11T06								X	
Adjustable Pitch Curb											
14 in. height	C1CURB55AT1	43W27	X	X	X	X	X	X	X	X	

NOTE - The catalog and model numbers that appear here are for ordering field installed accessories only.

OX - Field Installed or Configure to Order (Factory Installed)

O - Configure to Order (Factory Installed)

X - Field Installed.

SPECIFICATIONS - DIRECT DRIVE BLOWER			2 - 2.5 TON
General Data	Nominal Tonnage	2 Ton	2.5 Ton
	Model No.	KGB024S4D	KGB030S4D
	Efficiency Type	Standard	Standard
	Blower Type	Multi-Speed Direct Drive	Multi-Speed Direct Drive
Cooling Performance	Gross Cooling Capacity - Btuh	24,600	31,000
	¹ Net Cooling Capacity - Btuh	24,000	30,000
	AHRI Rated Air Flow - cfm	810	1,000
	² Sound Rating Number (SRN) ((dBA)	74	74
	Total Unit Power - kW	1.9	2.4
	¹ SEER (Btuh/Watt)	14.0	14.0
	¹ EER (Btuh/Watt)	12.0	11.5
AHRI Reference No. (also see page 20)		208/230V-1 ph	
Refrigerant	Type	R-410A	R-410A
	Charge Furnished	3 lbs. 12 oz.	5 lbs. 1 oz.
Gas Heating Options - See page 19		Standard (1 Stage)	Standard (1 Stage)
Compressor Type (one per unit)		Scroll	Scroll
Outdoor Coil	Net face area - sq. ft.	11.7	11.7
	Number of rows	1	1
	Fins per inch	23	23
Outdoor Coil Fan	Motor - (No.) HP	(1) 1/4	(1) 1/4
	Motor rpm	825	825
	Total Motor Input - watts	335	335
	Diameter - (No.) in. / No. of blades	(1) 24 - 4	(1) 24 - 4
	Total air volume - cfm	3700	3700
Indoor Coil	Net face area - sq. ft.	7.8	7.8
	Tube diameter - in.	3/8	3/8
	Number of rows	2	3
	Fins per inch	14	14
	Drain Connection (no.) and size - in.	(1) 1 NPT	(1) 1 NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head	
Indoor Blower	Nominal Motor HP	0.25 hp	0.25 hp
	Wheel nominal diameter x width - in.	(1) 10 x 10	(1) 10 x 10
Filters	Type	Disposable	
	Number and size - in.	(4) 16 x 20 x 2	
Electrical Characteristics - 60 Hz		208/230V 1 phase	208/230V 1 phase

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

SPECIFICATIONS - DIRECT DRIVE BLOWER				3 - 5 TON
General Data	Nominal Tonnage	3 Ton	4 Ton	5 Ton
	Model No.	KGB036S4D	KGB048S4D	KGB060S4D
	Efficiency Type	Standard	Standard	Standard
	Blower Type	Multi-Speed Direct Drive	Multi-Speed Direct Drive	Multi-Speed Direct Drive
Cooling Performance	Gross Cooling Capacity - Btuh	37,300	49,700	61,900
	¹ Net Cooling Capacity - Btuh	36,000	47,500	59,500
	AHRI Rated Air Flow - cfm	1150	1560	1760
	² Sound Rating Number (SRN)((dBA)	74	74	83
	Total Unit Power - kW	2.9	4.1	5.0
	¹ SEER (Btuh/Watt)	14.0	14.0	14.0
	¹ EER (Btuh/Watt)	12.3	11.5	11.8
AHRI Cooling Reference No. (also see page 20)	208/230V-1 ph			
	208/230V-3 ph			
	460V-3 ph			
	575V-3 ph			
Refrigerant	Type	R-410A	R-410A	R-410A
	Charge Furnished	5 lbs. 9 oz.	5 lbs. 10 oz.	8 lbs. 4 oz.
Gas Heating Options - See page 19		Standard (1 or 2 Stage) or Medium (1 or 2 Stage)	Standard (1 or 2 Stage), Medium (1 or 2 Stage) or High (1 or 2 Stage)	
Compressor Type (one per unit)		Scroll	Scroll	Scroll
Outdoor Coil	Net face area - sq. ft.	14.5	14.5	17.8
	Number of rows	1	1	1
	Fins per inch	23	23	23
Outdoor Coil Fan	Motor - (No.) HP	(1) 1/4	(1) 1/4	(1) 1/2
	Motor rpm	825	825	1075
	Total Motor Input - watts	325	325	560
	Diameter - (No.) in. / No. of blades	(1) 24 - 4	(1) 24 - 4	(1) 24 - 4
	Total air volume - cfm	3950	3950	5150
Indoor Coil	Net face area - sq. ft.	7.8	7.8	9.7
	Tube diameter - in.	3/8	3/8	3/8
	Number of rows	3	3	4
	Fins per inch	14	14	14
	Drain Connection (no.) and size - in.	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head		
Indoor Blower	Nominal Motor HP	0.5 hp	0.5 hp	0.75 hp
	Wheel nominal diameter x width - in.	(1) 10 x 10	(1) 10 x 10	(1) 11 x 10
Filters	Type	Disposable		
	Number and size - in.	(4) 16 x 20 x 2		(4) 20 x 20 x 2
Electrical Characteristics - 60 Hz		208/230V 1 phase	208/230V 1 phase	208/230V 1 phase
		208/230V, 460V & 575V 3 phase	208/230V, 460V & 575V 3 phase	208/230V, 460V & 575V 3 phase

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

SPECIFICATIONS - BELT DRIVE BLOWER				3 - 5 TON	
General Data		Nominal Tonnage	3 Ton	4 Ton	5 Ton
		Model No.	KGB036S4B	KGB048S4B	KGB060S4B
		Efficiency Type	Standard	Standard	Standard
		Blower Type	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive
Cooling Performance	Gross Cooling Capacity - Btuh		37,300	49,700	61,900
	¹ Net Cooling Capacity - Btuh		36,000	47,500	59,500
	AHRI Rated Air Flow - cfm		1150	1560	1760
	² Sound Rating Number (SRN) (dBA)		74	74	83
	Total Unit Power - kW		2.9	4.1	5
	¹ SEER (Btuh/Watt)		14.0	14.0	14.0
	¹ EER (Btuh/Watt)		12.3	11.5	11.8
AHRI Cooling Reference No. (also see page 20)	208/230V-1 ph				
	208/230V-3 ph				
	460V-3 ph				
	575V-3 ph				
Refrigerant	Type		R-410A	R-410A	R-410A
	Charge Furnished		5 lbs. 9 oz.	5 lbs. 10 oz.	8 lbs. 4 oz.
Gas Heating Options - See page 19			Standard (1 or 2 Stage) or Medium (1 or 2 Stage)	Standard (1 or 2 Stage), Medium (1 or 2 Stage) or High (1 or 2 Stage)	
Compressor Type (one per unit)			Scroll	Scroll	Scroll
Outdoor Coil	Net face area - sq. ft.		14.5	14.5	17.8
	Number of rows		1	1	1
	Fins / inch		23	23	23
Outdoor Coil Fan	Motor - (No.) HP		(1) 1/4	(1) 1/4	(1) 1/2
	Motor rpm		825	825	1075
	Total Motor Input - watts		325	325	560
	Diameter - (No.) in. / No. of blades		(1) 24 - 4	(1) 24 - 4	(1) 24 - 4
	Total air volume - cfm		3950	3950	5150
Indoor Coil	Net face area - sq. ft.		7.8	7.8	9.7
	Tube diameter - in.		3/8	3/8	3/8
	Number of rows		3	3	4
	Fins per inch		14	14	14
	Drain Connection (no.) and size - in.		(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion device type		Balanced Port Thermostatic Expansion Valve, removable power head		
³ Indoor Blower & Drive Selection	Nominal Motor HP	208/230V-1ph	0.75 hp, 1.5 hp	0.75 hp, 1.5 hp	0.75 hp, 1.5 hp
		All others voltages	1 hp, 2 hp	1 hp, 2 hp	1 hp, 2 hp
	Maximum Usable Motor HP	208/230V-1ph	0.86 hp, 1.7 hp	0.86 hp, 1.7 hp	0.86 hp, 1.7 hp
		All other voltages	1.15 hp, 2.3 hp	1.15 hp, 2.3 hp	1.15 hp, 2.3 hp
	Available Drive Kits		A01 673 - 1010 rpm A05 897 - 1346 rpm	A02 745 - 1117 rpm A06 1071 - 1429 rpm	A03 833 - 1250 rpm A07 1212 - 1548 rpm
	Wheel nominal diameter x width - in.		(1) 10 x 10	(1) 10 x 10	(1) 10 x 10
Filters	Type		Disposable		
	Number and size - in.		(4) 16 x 20 x 2		(4) 20 x 20 x 2
Electrical Characteristics - 60 Hz			208/230V 1 phase	208/230V, 1 phase	208/230V 1 phase
			208/230V, 460V & 575V 3 phase	208/230V 460V & 575V 3 phase	208/230V 460V & 575V 3 phase

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 210/240: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

³ Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor hp required. Maximum usable hp of motors furnished are shown. In Canada, nominal motor hp is also maximum usable motor hp output. If motors of comparable hp are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

SPECIFICATIONS - BELT DRIVE BLOWER
6 TON

General Data		Nominal Tonnage	6 Ton	6 Ton
		Model No.	KGB072H4B	KGB074S4B
		Efficiency Type	High	Standard
		Blower Type	Single Speed Belt Drive	Single Speed Belt Drive
Cooling Performance	Gross Cooling Capacity - Btuh		73,500	71,000
	¹ Net Cooling Capacity - Btuh		72,000	68,000
	AHRI Rated Air Flow - cfm		1920	2150
	² Sound Rating Number (SRN) (dBA)		79	79
	Total Unit Power - kW		6.0	6.1
	¹ IEER		13.5	12.7
	¹ EER (Btuh/Watt)		12.0	11.0
AHRI Reference No.			N/A	N/A
Refrigerant	Type		R-410A	R-410A
	Charge Furnished		7 lbs. 8 oz.	7 lbs. 2 oz.
Gas Heating Options - See page 19			Standard (1 or 2 Stage), Medium (1 or 2 Stage), or High (1 or 2 Stage)	Standard (1 Stage), Medium (1 or 2 Stage) or High (1 or 2 Stage)
Compressor Type (one per unit)			Scroll	Two-Stage Scroll
Outdoor Coil	Net face area - sq. ft.		17.8	17.8
	Number of rows		1	1
	Fins / inch		23	23
Outdoor Coil Fan	Motor - (No.) HP		(1) 1/3	(1) 1/3
	Motor rpm		1075	1075
	Total Motor Input - watts		410	375
	Diameter - (No.) in. / No. of blades		(1) 24 - 3	(1) 24 - 3
	Total air volume - cfm		4800	4700
Indoor Coil	Net face area - sq. ft.		9.72	9.72
	Tube diameter - in.		3/8	3/8
	Number of rows		4	4
	Fins per inch		14	14
	Drain Connection (no.) and size - in.		(1) 1 NPT	(1) 1 in. NPT
	Expansion device type		Balanced Port Thermostatic Expansion Valve, removable power head	
³ Indoor Blower & Drive Selection	Nominal Motor Output		1 hp, 2 hp	1 hp, 2 hp
	Maximum Usable Motor Output (US Only)		1.15 hp, 2.3 hp	1.15 hp 2.3 hp
	Motor - Drive Kit Number	AA01	A04 968 - 1340 rpm A08 1193-1591 rpm	
		522-784 rpm		
		AA02		
		632-875 rpm		
	Wheel Nominal Diameter x Width - in.	AA03	10 X 10	
		798-1105 rpm		
Filters	Type		Disposable	Disposable
	Number and size - in.		(4) 20 x 20 x 2	(4) 20 x 20 x 2
Electrical Characteristics - 60 Hz			208/230V, 460V or 575V – 60 hertz – 3 phase	

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

³ Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor hp required. Maximum usable hp of motors furnished are shown. In Canada, nominal motor hp is also maximum usable motor hp output. If motors of comparable hp are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

SPECIFICATIONS - BELT DRIVE BLOWER
6 TON

General Data	Nominal Tonnage	6 Ton	6 Ton
	Model No.	KGB074S4T	KGB074H4T
	Efficiency Type	Standard	High
	Blower Type	Two Speed Belt Drive	Two Speed Belt Drive
Cooling Performance	Gross Cooling Capacity - Btuh	71,000	72,000
	¹ Net Cooling Capacity - Btuh	68,000	69,000
	AHRI Rated Air Flow - cfm	2100	2100
	² Sound Rating Number (SRN) (dBA)	79	79
	Total Unit Power - kW	6.1	5.7
	¹ IEER	15.0	16.0
	¹ EER (Btuh/Watt)	11.2	12.0
AHRI Reference No.		N/A	N/A
Refrigerant	Type	R-410A	R-410A
	Charge Furnished	7 lbs. 2 oz.	7 lbs. 2 oz.
Gas Heating Options - See page 19		Standard (1 or 2 Stage), Medium (1 or 2 Stage), or High (1 or 2 Stage)	Standard (1 or 2 Stage), Medium (1 or 2 Stage), or High (1 or 2 Stage)
Compressor Type (one per unit)		Two-Stage Scroll	Two-Stage Scroll
Outdoor Coil	Net face area - sq. ft.	17.8	17.8
	Number of rows	1	1
	Fins / inch	23	23
Outdoor Coil Fan	Motor - (No.) HP	(1) 1/3	(1) 1/3
	Motor rpm	1075	1075
	Total Motor Input - watts	375	375
	Diameter - (No.) in. / No. of blades	(1) 24 - 3	(1) 24 - 3
	Total air volume - cfm	4700	4700
Indoor Coil	Net face area - sq. ft.	9.72	9.72
	Tube diameter - in.	3/8	3/8
	Number of rows	4	4
	Fins per inch	14	14
	Drain Connection (no.) and size - in.	(1) 1 NPT	(1) 1 NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head	
³ Indoor Blower & Drive Selection	Nominal Motor Output	1 hp, 2 hp	1 hp, 2 hp
	Maximum Usable Motor Output (US Only)	1.15 hp, 2.3 hp	1.15 hp, 2.3 hp
	Motor - Drive Kit Number	A04	AA01
		968 - 1340 rpm	522-784 rpm
		A08	AA02
		1193-1591 rpm	632-875 rpm
			AA03
			798-1105 rpm
Wheel Nominal Diameter x Width - in.		(1) 10 x 10	(1) 15 x 9
Filters	Type	Disposable	
	Number and size - in.	(4) 20 x 20 x 2	(4) 20 x 20 x 2
Electrical Characteristics - 60 Hz		208/230V, 460V or 575V – 60 hertz – 3 phase	

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

³ Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor hp required. Maximum usable hp of motors furnished are shown. In Canada, nominal motor hp is also maximum usable motor hp output. If motors of comparable hp are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

SPECIFICATIONS - BELT DRIVE BLOWER			7.5 TON
General Data	Nominal Tonnage	7.5 Ton	7.5 Ton
	Model No.	KGB090S4B	KGB090S4T
	Efficiency Type	Standard	Standard
	Blower Type	Single Speed Belt Drive	Two Speed Belt Drive
Cooling Performance	Gross Cooling Capacity - Btuh	92,000	92,000
	¹ Net Cooling Capacity - Btuh	88,000	88,000
	AHRI Rated Air Flow - cfm	2250	2250
	² Sound Rating Number (SRN) (dBA)	79	79
	Total Unit Power - kW	8.0	8.0
	¹ IEER	12.7	14.0
	¹ EER (Btuh/Watt)	11.0	11.0
AHRI Reference No.		N/A	N/A
Refrigerant	Type	R-410A	R-410A
	Charge Furnished	9 lbs. 4 oz.	9 lbs. 4 oz.
Gas Heating Options - See page 19		Medium (1 or 2 stage) or High (1 or 2 stage)	Medium (1 or 2 stage) or High (1 or 2 stage)
Compressor Type (one per unit)		Two-Stage Scroll	Two-Stage Scroll
Outdoor Coil	Net face area - sq. ft.	24.2	24.2
	Number of rows	1	1
	Fins / inch	23	23
Outdoor Coil Fan	Motor - (No.) HP	(1) 1/2	(1) 1/2
	Motor rpm	1075	1075
	Total Motor Input - watts	520	520
	Diameter - (No.) in. / No. of blades	(1) 24 - 4	(1) 24 - 4
	Total air volume - cfm	5300	5300
Indoor Coil	Net face area - sq. ft.	9.72	9.72
	Tube diameter - in.	3/8	3/8
	Number of rows	4	4
	Fins per inch	14	14
	Drain Connection (no.) and size - in.	(1) 1 in. NPT	(1) 1 in. NPT
	Expansion device type	Balanced Port Thermostatic Expansion Valve, removable power head	
³ Indoor Blower & Drive Selection	Nominal Motor Output	1 hp, 2 hp, 3hp	2 hp
	Maximum Usable Motor Output (US Only)	1.15 hp 2.3 hp, 3.45 hp	2.3 hp
	Motor - Drive Kit Number	AA01 522-784 rpm	AA01 522-784 rpm
		AA02 632-875 rpm	AA02 632-875 rpm
		AA03 798-1105 rpm	AA03 798-1105 rpm
		⁴ AA04 921-1228	
		Wheel Nominal Diameter x Width - in.	(1) 15 x 9
Filters	Type	Disposable	
	Number and size - in.	(4) 20 x 20 x 2	(4) 20 x 20 x 2
Electrical Characteristics - 60 Hz		208/230V, 460V or 575V – 60 hertz – 3 phase	

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

¹ AHRI Certified to AHRI Standard 340/360: 95°F outdoor air temperature and 80°F db/67°F wb entering evaporator air; minimum external duct static pressure.

² Sound Rating Number (SRN) rated in accordance with test conditions included in AHRI Standard 270-95.

³ Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor hp required. Maximum usable hp of motors furnished are shown. In Canada, nominal motor hp is also maximum usable motor hp output. If motors of comparable hp are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

⁴ 3 hp blower motor only.

SPECIFICATIONS - STANDARD GAS HEAT - THREE PHASE MODELS

Model No.	036, 048, 060, 074S	072H, 074H	036, 048, 060, 074S	072H, 074H, 090S	036, 048, 060, 074S	072H, 074H, 090S	048, 060, 074S	072H, 074H, 090S	048, 060, 074S	072H, 074H, 090S	
Heat Input Type	Standard (1 Stage)		Medium (1 Stage)		Medium (2 Stage)		High (1 Stage)		High (2 Stage)		
Input Btuh	1st Stage	65,000	108,000		81,000		150,000		113,000		
	2nd Stage	---	---		108,000		---		150,000		
Output Btuh	1st Stage	52,000	86,000		65,000		120,000		90,000		
	2nd Stage	---	---		86,000		---		120,000		
Temperature Rise Range - °F	1st stage	---	---	30 - 70	15 - 45	25 - 55	10 - 40	---	---	30 - 60	15 - 45
	2nd Stage	15 - 45	5 - 35	---	---	30 - 70	15 - 45	45 - 75	25 -55	45 - 75	25 - 55
¹ Thermal Efficiency	Standard	80%		80%	80%	80%	80%	80%	80%	80%	80%
Gas Supply Connections		1/2 in. NPT									
Rec. Gas Supply Pressure - Nat./ LPG		7 in.w.g. / 11 in.w.g.									

¹ Thermal Efficiency at full input.

SPECIFICATIONS - LOW NOX GAS HEAT - SINGLE AND THREE PHASE MODELS

Model No.	024, 030	036, 048, 060, 074S	072H, 074H	036, 048, 060, 074S	072H, 074H	036, 048, 060, 074S	072, 074,	036, 048, 060, 074S	072H, 074H,	048, 060, 074S	072H, 074H,	048, 060, 074S	072H, 074H,		
Heat Input Type	Standard (1 Stage)			Standard (2 Stage) Low NOx Only		Medium (1 Stage)		Medium (2 Stage)		High (1 Stage)		High (2 Stage)			
Input Btuh	1st Stage			65,000		53,000		108,000		81,000		150,000		113,000	
	2nd Stage			---		70,000		---		108,000		---		150,000	
Output Btuh	1st Stage			52,000		43,000		87,000		66,000		121,000		92,000	
	2nd Stage			---		57,000		---		87,000		---		121,000	
Temperature Rise Range - °F	1st stage			35 - 65	15 - 45	5-35	5-35	30 - 70	15 - 45	25 - 55	10 - 40	---	---	30 - 60	15 - 45
	2nd Stage			---	---	---	15-45	10-40	---	---	30 - 70	15 - 45	45 - 75	25 - 55	45 - 75
¹ AFUE (single phase)				81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%
² Thermal Efficiency (three phase)				81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%
Gas Supply Connections				1/2 in. NPT											
Rec. Gas Supply Pressure - Nat./ LPG				7 in.w.g. / 11 in.w.g.											

¹ Annual Fuel Utilization Efficiency based on U.S. DOE test procedures and FTC labeling regulations - 1 phase models only.

² Thermal Efficiency at full input.

HIGH ALTITUDE DERATE

NOTE - Units may be installed at altitudes up to 2000 ft. above sea level without any modifications. At altitudes above 2000 ft. units must be derated to match information in the table shown. At altitudes above 4500 ft. unit must be derated 2% for each 1000 ft. above sea level. NOTE - This is the only permissible derate for these units.	Heat Input Type	Altitude Feet	Gas Manifold Pressure in. w.g.		Input Rate (Btuh)
			Natural Gas	LPG/ Propane	
	Standard (1 stage)	2001 - 4500	3.0	9.0	60,000
	Standard (2 stage)	2001 - 4500	3.0/1.7	9.0/5.1	65,000 / 49,000
	Medium (1 stage)	2001 - 4500	3.0	9.0	100,000
	Medium (2 stage)	2001 - 4500	3.0/1.7	9.0/5.1	100,000 / 75,000
	High (1 stage)	2001 - 4500	3.0	9.0	139,000
	High (2 stage)	2001 - 4500	3.0/1.7	9.0/5.1	139,000 / 104,000

AHRI DATA - HEATING - 1 PH MODELS

Model Number (Drive Type)	¹ Type	Gas Heat Size (All Low NOx)	AHRI Reference Number
KGB024 (Direct)	W	Standard, 1 Stage	8203304
KGB030 (Direct)	W	Standard, 1 Stage	8203331
KGB036 (Direct)	W	Standard, 1 Stage	8203388
	B	Standard, 2 Stage	
	Y	Medium, 1 Stage	8203394
	Q	Medium, 2 Stage	8203373
KGB036 (Belt)	W	Standard, 1 Stage	8203371
	B	Standard, 2 Stage	
	Y	Medium, 1 Stage	8203372
	Q	Medium, 2 Stage	8203370
KGB048 (Direct)	W	Standard, 1 Stage	8203407
	Y	Medium, 1 Stage	8203409
	Q	Medium, 2 Stage	8203406
	Z	High, 1 Stage	8203410
	X	High, 2 Stage	8203408

NOTE - All models are 208/230V-1 phase-60hz only.

¹ Model Number Heat Designation.

AHRI DATA - HEATING - 1 PH MODELS

Model Number (Drive Type)	¹ Type	Gas Heat Size (All Low NOx)	AHRI Reference Number
KGB048 (Belt)	W	Standard, 1 Stage	8203396
	Y	Medium, 1 Stage	8203398
	Q	Medium, 2 Stage	8203395
	Z	High, 1 Stage	8203405
KGB060 (Direct)	X	High, 2 Stage	8203397
	W	Standard, 1 Stage	8203421
	B	Standard, 2 Stage	
	Y	Medium, 1 Stage	8203423
	Q	Medium, 2 Stage	8203420
KGB060 (Belt)	Z	High, 1 Stage	8203424
	X	High, 2 Stage	8203422
	W	Standard, 1 Stage	8203416
	B	Standard, 2 Stage	
KGB060 (Belt)	Y	Medium, 1 Stage	8203418
	Q	Medium, 2 Stage	8203415
	Z	High, 1 Stage	8203419
	X	High, 2 Stage	8203417

NOTE - All models are 208/230V-1 phase-60hz only.

¹ Model Number Heat Designation.

RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

2 TON - KGB024S4

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F				
63°F	640	23.2	1.31	0.69	0.84	0.99	21.7	1.49	0.7	0.86	1	20.1	1.72	0.71	0.89	1	18.4	1.97	0.73	0.92	1				
	800	24.6	1.3	0.75	0.93	1	23.1	1.48	0.76	0.95	1	21.4	1.7	0.78	0.98	1	19.7	1.95	0.8	1	1				
	960	25.8	1.29	0.8	1	1	24.3	1.47	0.82	1	1	22.7	1.69	0.85	1	1	21	1.94	0.88	1	1				
67°F	640	24.5	1.3	0.54	0.67	0.81	23	1.48	0.54	0.68	0.82	21.4	1.71	0.54	0.69	0.85	19.7	1.96	0.54	0.71	0.88				
	800	26.1	1.28	0.58	0.72	0.89	24.5	1.47	0.58	0.74	0.91	22.7	1.69	0.58	0.75	0.94	20.8	1.94	0.59	0.78	0.98				
	960	27.2	1.27	0.61	0.78	0.96	25.5	1.45	0.61	0.8	0.99	23.7	1.68	0.62	0.82	1	21.6	1.93	0.63	0.86	1				
71°F	640	25.7	1.29	0.41	0.53	0.65	24.2	1.47	0.4	0.53	0.66	22.6	1.7	0.39	0.53	0.67	20.8	1.95	0.38	0.54	0.68				
	800	27.4	1.27	0.42	0.57	0.7	25.8	1.45	0.42	0.57	0.72	24	1.68	0.41	0.58	0.73	22.1	1.93	0.39	0.58	0.76				
	960	28.6	1.25	0.44	0.6	0.76	26.9	1.44	0.43	0.61	0.77	25	1.66	0.43	0.61	0.8	22.9	1.91	0.43	0.63	0.83				

2.5 TON - KGB030S4

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	800	29.2	1.66	0.75	0.85	1	28.1	1.9	0.71	0.87	1	26.3	2.21	0.73	0.9	1	24.6	2.69	0.74	0.93	1
	1000	30.7	1.66	0.76	0.95	1	29.5	1.9	0.77	0.97	1	27.7	2.21	0.79	1	1	26.1	2.69	0.81	1	1
	1200	32	1.66	0.82	1	1	30.9	1.91	0.83	1	1	29.2	2.22	0.86	1	1	27.5	2.69	0.9	1	1
67°F	800	30.9	1.66	0.55	0.68	0.82	29.7	1.91	0.55	0.69	0.83	27.9	2.22	0.56	0.7	0.86	26.2	2.69	0.56	0.72	0.89
	1000	32.3	1.67	0.59	0.74	0.92	31.1	1.91	0.59	0.75	0.93	29.2	2.22	0.6	0.77	0.96	27.3	2.68	0.61	0.79	0.99
	1200	33.3	1.67	0.6	0.8	1	32	1.92	0.62	0.81	1	30.1	2.22	0.63	0.84	1	28.2	2.7	0.65	0.87	1
71°F	800	32.5	1.67	0.41	0.54	0.66	31.3	1.91	0.41	0.54	0.67	29.5	2.22	0.41	0.55	0.68	27.7	2.69	0.41	0.56	0.7
	1000	33.9	1.67	0.44	0.58	0.73	32.6	1.92	0.43	0.58	0.73	30.7	2.23	0.43	0.59	0.75	28.8	2.69	0.43	0.59	0.77
	1200	34.8	1.68	0.44	0.61	0.78	33.5	1.92	0.44	0.6	0.8	31.5	2.23	0.44	0.63	0.83	29.7	2.69	0.44	0.64	0.85

RATINGS

NOTE – For Temperatures and Capacities not shown in tables, see bulletin – Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

3 TON - KGB036S4

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	
63°F	960	36.5	2.01	0.69	0.85	1	34.3	2.29	0.7	0.87	1	32	2.63	0.71	0.89	1	29.5	3.05	0.72	0.92	1
	1200	38.6	2.02	0.75	0.94	1	36.3	2.3	0.77	0.97	1	33.9	2.63	0.78	1	1	31.5	3.05	0.8	1	1
	1440	40.4	2.03	0.82	1	1	38.2	2.3	0.83	1	1	36	2.63	0.86	1	1	33.6	3.04	0.89	1	1
67°F	960	39	2.02	0.54	0.67	0.81	36.8	2.3	0.54	0.68	0.83	34.4	2.63	0.54	0.69	0.85	31.8	3.04	0.54	0.7	0.88
	1200	41.1	2.03	0.57	0.73	0.9	38.8	2.31	0.58	0.74	0.93	36.3	2.63	0.58	0.76	0.96	33.6	3.04	0.59	0.78	0.99
	1440	42.7	2.04	0.61	0.79	0.99	40.2	2.31	0.62	0.81	1	37.5	2.64	0.62	0.83	1	34.9	3.05	0.63	0.86	1
71°F	960	41.4	2.03	0.4	0.53	0.65	39.1	2.31	0.4	0.53	0.65	36.7	2.63	0.38	0.53	0.67	34.1	3.04	0.38	0.53	0.68
	1200	43.7	2.05	0.42	0.56	0.71	41.3	2.32	0.41	0.57	0.72	38.7	2.64	0.41	0.57	0.74	36.1	3.04	0.4	0.58	0.75
	1440	45.3	2.06	0.43	0.6	0.77	42.8	2.33	0.43	0.61	0.79	40.1	2.65	0.43	0.61	0.81	37.3	3.04	0.42	0.63	0.83

4 TON - KGB048S4

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F				
cfm	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F					
63°F	1280	47.6	2.86	0.68	0.84	1	44.1	3.23	0.69	0.87	1	40.7	3.66	0.7	0.9	1	37.1	4.16	0.72	0.95	1				
	1600	50.1	2.88	0.74	0.95	1	46.6	3.25	0.76	0.98	1	43.1	3.68	0.78	1	1	39.7	4.19	0.81	1	1				
	1920	52.5	2.89	0.81	1	1	49.1	3.27	0.83	1	1	45.7	3.7	0.87	1	1	42.2	4.21	0.91	1	1				
67°F	1280	50.9	2.88	0.53	0.66	0.8	47.3	3.26	0.53	0.67	0.83	43.8	3.69	0.53	0.68	0.86	40.1	4.19	0.53	0.7	0.9				
	1600	53.6	2.89	0.56	0.72	0.91	49.7	3.27	0.57	0.73	0.94	46	3.71	0.57	0.76	0.98	42	4.21	0.58	0.79	1				
	1920	55.4	2.9	0.6	0.78	1	51.4	3.29	0.6	0.81	1	47.5	3.72	0.61	0.84	1	43.3	4.22	0.63	0.88	1				
71°F	1280	54.1	2.9	0.39	0.52	0.64	50.4	3.28	0.38	0.52	0.65	46.8	3.71	0.37	0.52	0.66	42.8	4.21	0.37	0.52	0.68				
	1600	56.8	2.91	0.41	0.55	0.7	52.9	3.3	0.4	0.56	0.71	49.1	3.73	0.4	0.57	0.73	45	4.23	0.39	0.58	0.76				
	1920	58.9	2.92	0.42	0.59	0.76	54.8	3.31	0.42	0.6	0.79	50.8	3.74	0.42	0.61	0.82	46.5	4.25	0.41	0.62	0.86				

5 TON - KGB060S4

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	
63°F	1600	60.1	3.41	0.68	0.84	1	56.8	3.86	0.7	0.86	1	53.1	4.39	0.71	0.89	1	48.9	5	0.73	0.93	1
	2000	63.5	3.44	0.75	0.95	1	59.9	3.88	0.76	0.97	1	55.9	4.41	0.78	1	1	51.9	5.02	0.81	1	1
	2400	66.4	3.45	0.8	1	1	63.1	3.91	0.83	1	1	59.5	4.44	0.86	1	1	55.3	5.07	0.9	1	1
67°F	1600	64.3	3.44	0.53	0.66	0.81	60.8	3.89	0.54	0.67	0.82	56.9	4.42	0.54	0.69	0.85	52.5	5.04	0.55	0.7	0.89
	2000	67.8	3.46	0.58	0.72	0.9	64	3.91	0.57	0.74	0.93	59.7	4.44	0.58	0.75	0.96	55.1	5.07	0.59	0.78	1
	2400	70.3	3.47	0.6	0.78	0.99	66.3	3.92	0.61	0.81	1	61.7	4.46	0.62	0.83	1	56.8	5.08	0.63	0.88	1
71°F	1600	68.8	3.46	0.4	0.52	0.64	65.2	3.92	0.4	0.53	0.65	61.1	4.45	0.39	0.53	0.66	56.3	5.08	0.38	0.54	0.68
	2000	72.5	3.48	0.41	0.57	0.7	68.4	3.94	0.41	0.56	0.72	63.8	4.47	0.41	0.57	0.73	58.7	5.1	0.41	0.58	0.75
	2400	74.7	3.49	0.42	0.59	0.76	70.5	3.95	0.43	0.6	0.78	66	4.49	0.43	0.61	0.81	60.7	5.12	0.42	0.63	0.85

6 TON - KGB072H4

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1920	68.1	4.47	0.67	0.83	1	64.4	4.95	0.68	0.86	1	60.3	5.5	0.7	0.9	1	55.9	6.12	0.71	0.94	1
	2400	71.8	4.48	0.72	0.94	1	67.8	4.97	0.74	0.97	1	63.4	5.51	0.77	1	1	59.4	6.14	0.81	1	1
	2880	74.6	4.49	0.79	1	1	71	4.98	0.82	1	1	67.1	5.53	0.85	1	1	62.8	6.16	0.9	1	1
67°F	1920	72.4	4.48	0.52	0.64	0.78	68.7	4.97	0.53	0.65	0.81	64.7	5.52	0.54	0.67	0.84	60	6.15	0.55	0.69	0.89
	2400	76.3	4.5	0.56	0.7	0.89	72.2	4.99	0.56	0.71	0.92	67.3	5.53	0.57	0.74	0.96	62.7	6.17	0.59	0.77	1
	2880	78.8	4.51	0.58	0.76	0.98	74.6	5	0.59	0.79	1	69.7	5.55	0.6	0.82	1	64.7	6.18	0.62	0.87	1
71°F	1920	77.2	4.5	0.39	0.51	0.62	73.1	4.99	0.39	0.51	0.63	68.7	5.54	0.4	0.52	0.65	63.9	6.17	0.4	0.54	0.67
	2400	81	4.52	0.41	0.55	0.68	76.7	5.01	0.41	0.55	0.69	71.9	5.56	0.41	0.56	0.71	66.6	6.19	0.41	0.57	0.74
	2880	83.4	4.53	0.42	0.58	0.73	79	5.02	0.42	0.58	0.75	74.1	5.57	0.43	0.6	0.79	68.7	6.2	0.43	0.61	0.83

RATINGS

NOTE – For Temperatures and Capacities not shown in tables, see bulletin – Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

6 TON - STANDARD EFFICIENCY KGB074S4B (1ST STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1920	61.9	2.05	0.79	0.94	1	58.8	2.43	0.8	0.96	1	55.5	2.85	0.81	0.98	1	52.1	3.3	0.83	1	1
	2400	65.2	2.03	0.85	1	1	62.5	2.42	0.87	1	1	59.5	2.84	0.89	1	1	56	3.29	0.92	1	1
	2880	68.9	2.02	0.91	1	1	65.9	2.41	0.94	1	1	62.7	2.83	0.96	1	1	59.1	3.29	0.99	1	1
67°F	1920	66	2.03	0.61	0.76	0.91	62.8	2.42	0.62	0.77	0.93	59.3	2.84	0.62	0.78	0.95	55.6	3.3	0.63	0.81	0.98
	2400	69	2.02	0.65	0.82	0.99	65.6	2.41	0.66	0.84	1	61.9	2.83	0.66	0.86	1	58	3.29	0.68	0.89	1
	2880	71.2	2.01	0.68	0.89	1	67.7	2.4	0.7	0.91	1	63.9	2.82	0.71	0.94	1	60	3.29	0.73	0.97	1
71°F	1920	70.3	2.01	0.45	0.6	0.74	67	2.4	0.45	0.61	0.75	63.4	2.83	0.45	0.61	0.76	59.5	3.29	0.45	0.62	0.78
	2400	73.4	2	0.44	0.64	0.8	69.8	2.39	0.48	0.64	0.81	66.2	2.82	0.47	0.66	0.83	62	3.29	0.47	0.67	0.86
	2880	75.8	1.99	0.48	0.68	0.87	72.1	2.39	0.49	0.69	0.88	68.1	2.82	0.49	0.71	0.91	63.9	3.28	0.5	0.73	0.94

6 TON - STANDARD EFFICIENCY KGB074S4B (2ND STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1920	68.6	4.06	0.73	0.88	1	64.9	4.58	0.75	0.9	1	60.9	5.17	0.77	0.93	1	56.7	5.85	0.79	0.96	1
	2400	72.2	4.09	0.79	0.96	1	68.1	4.61	0.81	0.99	1	63.9	5.2	0.83	1	1	60	5.88	0.86	1	1
	2880	75.2	4.12	0.85	1	1	71.6	4.64	0.87	1	1	67.6	5.24	0.9	1	1	63.4	5.92	0.94	1	1
67°F	1920	73	4.1	0.57	0.71	0.85	69	4.62	0.58	0.73	0.87	64.9	5.21	0.59	0.75	0.89	60.4	5.88	0.6	0.77	0.93
	2400	76.7	4.13	0.62	0.77	0.93	72.4	4.65	0.62	0.79	0.95	67.9	5.24	0.63	0.81	0.98	63	5.91	0.64	0.84	1
	2880	79.1	4.16	0.64	0.83	0.99	74.8	4.68	0.66	0.85	1	69.9	5.26	0.67	0.87	1	65	5.93	0.69	0.91	1
71°F	1920	77.6	4.14	0.44	0.56	0.69	73.5	4.66	0.43	0.57	0.7	69.1	5.26	0.44	0.58	0.72	64.2	5.93	0.43	0.59	0.74
	2400	81.1	4.18	0.45	0.6	0.75	76.8	4.7	0.45	0.61	0.77	72	5.29	0.45	0.62	0.79	67.1	5.96	0.44	0.64	0.81
	2880	83.7	4.21	0.47	0.64	0.8	79.3	4.73	0.46	0.65	0.83	74.2	5.31	0.47	0.66	0.85	69.2	5.98	0.48	0.68	0.89

RATINGS

NOTE – For Temperatures and Capacities not shown in tables, see bulletin – Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

6 TON - STANDARD EFFICIENCY KGB074S4T (1ST STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1200	53.3	2.3	0.68	0.81	0.92	51	2.62	0.69	0.82	0.94	48.3	2.99	0.7	0.83	0.96	45.6	3.41	0.71	0.85	0.98
	1600	57.8	2.29	0.74	0.88	1	55.2	2.61	0.75	0.9	1	52.5	2.98	0.77	0.92	1	49.3	3.4	0.78	0.95	1
	2000	61.2	2.28	0.8	0.96	1	58.2	2.6	0.81	0.98	1	55.3	2.98	0.83	1	1	52.5	3.4	0.84	1	1
67°F	1200	57.2	2.29	0.55	0.66	0.77	54.7	2.62	0.55	0.67	0.78	51.9	2.98	0.55	0.67	0.79	48.9	3.4	0.55	0.68	0.81
	1600	61.9	2.28	0.58	0.72	0.85	59.2	2.6	0.59	0.73	0.86	56.3	2.97	0.59	0.74	0.88	53	3.4	0.6	0.76	0.91
	2000	65.4	2.27	0.62	0.78	0.93	62.3	2.59	0.62	0.78	0.94	59.1	2.96	0.63	0.8	0.97	55.6	3.39	0.64	0.82	0.99
71°F	1200	61.2	2.28	0.42	0.53	0.63	58.6	2.61	0.42	0.53	0.64	55.8	2.97	0.42	0.53	0.64	52.6	3.4	0.41	0.53	0.65
	1600	66.3	2.26	0.44	0.57	0.69	63.3	2.59	0.44	0.57	0.7	60.2	2.96	0.44	0.58	0.71	56.7	3.39	0.44	0.59	0.73
	2000	69.6	2.25	0.46	0.61	0.75	66.5	2.58	0.46	0.61	0.76	63.1	2.95	0.45	0.61	0.77	59.6	3.38	0.46	0.63	0.8

6 TON - STANDARD EFFICIENCY KGB074S4T (2ND STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
63°F	1920	68.6	4.18	0.73	0.88	1	64.9	4.71	0.75	0.9	1	60.9	5.32	0.77	0.93	1	56.8	6.02	0.79	0.96	1
	2400	72.2	4.21	0.79	0.96	1	68.1	4.74	0.81	0.99	1	63.8	5.35	0.83	1	1	60	6.05	0.86	1	1
	2880	75.2	4.24	0.85	1	1	71.6	4.78	0.87	1	1	67.6	5.39	0.9	1	1	63.4	6.09	0.94	1	1
67°F	1920	73	4.22	0.58	0.71	0.85	69	4.75	0.58	0.73	0.87	64.8	5.36	0.59	0.74	0.89	60.4	6.05	0.6	0.77	0.93
	2400	76.7	4.25	0.62	0.77	0.93	72.4	4.79	0.62	0.79	0.95	67.9	5.4	0.63	0.81	0.98	63	6.08	0.65	0.84	1
	2880	79.1	4.28	0.64	0.83	0.99	74.8	4.82	0.66	0.85	1	69.9	5.42	0.67	0.88	1	65	6.1	0.69	0.91	1
71°F	1920	77.6	4.26	0.44	0.56	0.69	73.5	4.8	0.43	0.57	0.7	69.1	5.41	0.43	0.58	0.72	64.2	6.1	0.43	0.59	0.74
	2400	81.1	4.3	0.45	0.6	0.75	76.8	4.84	0.45	0.61	0.77	72	5.45	0.45	0.62	0.79	67.1	6.13	0.45	0.64	0.81
	2880	83.7	4.33	0.47	0.64	0.8	79.2	4.87	0.46	0.65	0.83	74.2	5.47	0.48	0.66	0.85	69.2	6.15	0.48	0.68	0.89

6 TON - HIGH EFFICIENCY KGB074H4T (1ST STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	kBtu/h	kW	75°F	80°F	85°F	
63°F	1200	53.3	2.27	0.68	0.81	0.92	51	2.59	0.69	0.82	0.94	48.3	2.95	0.7	0.83	0.96	45.6	3.36	0.71	0.85	0.98
	1600	57.8	2.26	0.74	0.88	1	55.2	2.58	0.75	0.9	1	52.5	2.94	0.77	0.92	1	49.3	3.36	0.78	0.95	1
	2000	61.2	2.25	0.8	0.96	1	58.2	2.57	0.81	0.98	1	55.3	2.94	0.83	1	1	52.5	3.35	0.84	1	1
67°F	1200	57.2	2.26	0.55	0.66	0.77	54.7	2.58	0.55	0.67	0.78	51.9	2.94	0.55	0.67	0.79	48.9	3.36	0.55	0.68	0.81
	1600	61.9	2.25	0.58	0.72	0.85	59.2	2.57	0.59	0.73	0.86	56.3	2.93	0.59	0.74	0.88	53	3.35	0.6	0.76	0.91
	2000	65.4	2.24	0.62	0.78	0.93	62.3	2.56	0.62	0.78	0.94	59.2	2.93	0.63	0.8	0.97	55.6	3.34	0.64	0.82	0.99
71°F	1200	61.2	2.25	0.43	0.53	0.63	58.6	2.57	0.42	0.53	0.64	55.8	2.93	0.42	0.53	0.64	52.6	3.35	0.41	0.53	0.65
	1600	66.3	2.23	0.44	0.57	0.69	63.3	2.56	0.44	0.57	0.7	60.2	2.92	0.44	0.58	0.71	56.7	3.34	0.44	0.59	0.73
	2000	69.6	2.22	0.45	0.61	0.75	66.5	2.54	0.46	0.61	0.76	63.1	2.91	0.45	0.62	0.77	59.6	3.33	0.46	0.63	0.8

6 TON - HIGH EFFICIENCY KGB074H4T (2ND STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	
63°F	1920	68.6	4.12	0.73	0.88	1	64.9	4.65	0.75	0.9	1	60.9	5.25	0.77	0.93	1	56.6	5.94	0.79	0.96	1
	2400	72.2	4.16	0.79	0.96	1	68.1	4.68	0.81	0.99	1	63.9	5.28	0.83	1	1	60	5.97	0.86	1	1
	2880	75.2	4.18	0.85	1	1	71.6	4.72	0.87	1	1	67.6	5.32	0.9	1	1	63.4	6.01	0.94	1	1
67°F	1920	73	4.16	0.57	0.71	0.85	69	4.69	0.59	0.73	0.87	64.8	5.29	0.59	0.74	0.89	60.4	5.97	0.6	0.77	0.93
	2400	76.7	4.2	0.62	0.77	0.93	72.4	4.73	0.62	0.79	0.95	67.9	5.32	0.63	0.81	0.98	63	6	0.64	0.84	1
	2880	79.1	4.22	0.64	0.83	0.99	74.8	4.75	0.66	0.85	1	69.9	5.34	0.67	0.88	1	65	6.02	0.69	0.91	1
71°F	1920	77.6	4.21	0.44	0.56	0.69	73.5	4.74	0.43	0.57	0.7	69.1	5.34	0.43	0.58	0.72	64.2	6.02	0.43	0.59	0.74
	2400	81.1	4.24	0.45	0.6	0.75	76.8	4.77	0.45	0.61	0.77	72	5.37	0.45	0.62	0.79	67.1	6.05	0.44	0.64	0.81
	2880	83.7	4.27	0.47	0.64	0.8	79.3	4.8	0.46	0.65	0.83	74.2	5.4	0.48	0.66	0.85	69.2	6.07	0.48	0.68	0.89

RATINGS

NOTE – For Temperatures and Capacities not shown in tables, see bulletin – Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.

7.5 TON - STANDARD EFFICIENCY KGB090S4B (1ST STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
63°F	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
	2400	76.1	2.67	0.75	0.94	1	71.6	3.13	0.76	0.97	1	66.5	3.63	0.77	0.99	1	62	4.18	0.79	1	1
	3000	80.9	2.67	0.81	1	1	76.5	3.12	0.83	1	1	72	3.63	0.85	1	1	67.1	4.18	0.9	1	1
67°F	3600	85.6	2.67	0.89	1	1	80.9	3.12	0.93	1	1	76	3.63	0.96	1	1	70.9	4.18	1	1	1
	2400	81.8	2.67	0.58	0.73	0.88	76.7	3.12	0.58	0.74	0.91	71.6	3.63	0.58	0.75	0.95	66.3	4.18	0.59	0.77	0.98
	3000	85.6	2.67	0.6	0.79	0.99	80.3	3.12	0.62	0.81	1	74.9	3.63	0.63	0.83	1	69.3	4.17	0.64	0.85	1
71°F	3600	88.5	2.67	0.66	0.86	1	83.1	3.12	0.66	0.89	1	77.3	3.62	0.68	0.93	1	71.7	4.18	0.69	0.97	1
	2400	87.6	2.67	0.43	0.57	0.7	82.2	3.12	0.42	0.57	0.72	76.8	3.62	0.42	0.57	0.73	71.2	4.18	0.41	0.58	0.74
	3000	91.3	2.66	0.44	0.61	0.77	85.9	3.12	0.45	0.62	0.79	80.3	3.62	0.45	0.62	0.8	74.5	4.17	0.43	0.63	0.83
	3600	94.5	2.67	0.46	0.65	0.83	88.8	3.12	0.46	0.66	0.85	82.9	3.62	0.45	0.67	0.89	76.7	4.18	0.46	0.69	0.94

7.5 TON - STANDARD EFFICIENCY KGB090S4B (2ND STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																				
		85°F						95°F					105°F					115°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb			
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F	
63°F	2400	91.7	6.09	0.71	0.86	0.99	85.8	6.72	0.72	0.87	1	79.7	7.4	0.73	0.89	1	73.2	8.15	0.74	0.92	1	
	3000	96.9	6.2	0.76	0.93	1	90.7	6.84	0.78	0.96	1	84.4	7.52	0.8	0.98	1	77.5	8.27	0.82	1	1	
	3600	101.1	6.3	0.82	1	1	94.9	6.93	0.84	1	1	88.7	7.63	0.86	1	1	82.3	8.4	0.89	1	1	
67°F	2400	98.2	6.23	0.56	0.69	0.82	92.1	6.86	0.55	0.7	0.84	85.6	7.55	0.55	0.71	0.86	78.9	8.3	0.56	0.73	0.89	
	3000	103.3	6.34	0.59	0.74	0.9	97	6.98	0.6	0.76	0.92	90.1	7.67	0.6	0.78	0.95	83	8.43	0.61	0.8	0.98	
	3600	107.4	6.43	0.63	0.8	0.97	100.6	7.07	0.63	0.82	0.99	93.6	7.75	0.64	0.84	1	85.7	8.5	0.65	0.87	1	
71°F	2400	105.2	6.38	0.42	0.55	0.67	98.8	7.02	0.41	0.55	0.68	92	7.71	0.4	0.55	0.69	84.9	8.47	0.4	0.55	0.7	
	3000	110.5	6.5	0.44	0.58	0.72	103.9	7.14	0.43	0.59	0.73	96.6	7.84	0.42	0.59	0.76	89	8.59	0.42	0.6	0.78	
	3600	114.4	6.59	0.45	0.62	0.78	107.3	7.23	0.45	0.63	0.8	99.8	7.92	0.45	0.63	0.82	91.7	8.67	0.44	0.65	0.85	

7.5 TON - STANDARD EFFICIENCY KGB090S4T (1ST STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		65°F					75°F					85°F					95°F				
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F
	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F
63°F	1600	68	2.72	0.7	0.83	0.96	63.6	3.18	0.7	0.84	0.98	59.1	3.69	0.71	0.86	1	54.4	4.25	0.72	0.89	1
	2000	72.4	2.72	0.75	0.9	1	67.8	3.18	0.76	0.92	1	63.1	3.69	0.77	0.95	1	57.9	4.25	0.79	0.97	1
	2400	75.8	2.71	0.8	0.97	1	71	3.18	0.81	0.99	1	66.2	3.69	0.83	1	1	61.6	4.25	0.85	1	1
67°F	1600	73.2	2.71	0.55	0.67	0.8	68.6	3.17	0.55	0.68	0.81	63.8	3.69	0.54	0.68	0.82	59	4.25	0.55	0.7	0.84
	2000	77.8	2.71	0.58	0.73	0.86	73	3.18	0.59	0.74	0.88	68	3.69	0.59	0.75	0.91	62.7	4.25	0.59	0.77	0.94
	2400	81.5	2.71	0.62	0.78	0.93	76.2	3.18	0.62	0.79	0.96	70.9	3.69	0.62	0.81	0.98	65.3	4.25	0.63	0.83	1
71°F	1600	78.9	2.71	0.43	0.54	0.65	74	3.18	0.41	0.54	0.66	69.2	3.69	0.41	0.53	0.66	63.9	4.25	0.39	0.54	0.67
	2000	83.7	2.71	0.44	0.57	0.7	78.6	3.18	0.43	0.58	0.71	73.2	3.69	0.42	0.58	0.73	67.6	4.26	0.41	0.58	0.74
	2400	87.2	2.71	0.46	0.61	0.75	81.7	3.18	0.45	0.61	0.77	76.2	3.69	0.44	0.62	0.78	70.4	4.26	0.44	0.62	0.8

7.5 TON - STANDARD EFFICIENCY KGB090S4T (2ND STAGE)

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cool Cap.	Comp. Motor Input	Sensible To Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F				
63°F	cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F				
	2400	91.7	6.09	0.71	0.86	0.99	85.8	6.72	0.72	0.87	1	79.7	7.4	0.73	0.89	1	73.2	8.15	0.74	0.92	1				
	3000	96.9	6.2	0.76	0.93	1	90.7	6.84	0.78	0.96	1	84.4	7.52	0.8	0.98	1	77.5	8.27	0.82	1	1				
67°F	3600	101.1	6.3	0.82	1	1	94.9	6.93	0.84	1	1	88.7	7.63	0.86	1	1	82.3	8.4	0.89	1	1				
	2400	98.2	6.23	0.56	0.69	0.82	92.1	6.86	0.55	0.7	0.84	85.6	7.55	0.55	0.71	0.86	78.9	8.3	0.56	0.73	0.89				
	3000	103.3	6.34	0.59	0.74	0.9	97	6.98	0.6	0.76	0.92	90.1	7.67	0.6	0.78	0.95	83	8.43	0.61	0.8	0.98				
71°F	3600	107.4	6.43	0.63	0.8	0.97	100.6	7.07	0.63	0.82	0.99	93.6	7.75	0.64	0.84	1	85.7	8.5	0.65	0.87	1				
	2400	105.2	6.38	0.42	0.55	0.67	98.8	7.02	0.41	0.55	0.68	92	7.71	0.4	0.55	0.69	84.9	8.47	0.4	0.55	0.7				
	3000	110.5	6.5	0.44	0.58	0.72	103.9	7.14	0.43	0.59	0.73	96.6	7.84	0.42	0.59	0.76	89	8.59	0.42	0.6	0.78				
	3600	114.4	6.59	0.45	0.62	0.78	107.3	7.23	0.45	0.63	0.8	99.8	7.92	0.45	0.63	0.82	91.7	8.67	0.44	0.65	0.85				

BLOWER DATA - DIRECT DRIVE - KGB024

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (larger gas heat section, economizer, wet coil, etc.) See page 38.

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.) See page 38.

External Static Pressure (in. w.g.)	Air Volume (cfm) at Various Blower Speeds					
	208 VOLTS			230 VOLTS		
	High	Medium	Low	High	Medium	Low
2 Ton Standard Efficiency (Downflow)				KGB024S		
0.0	1275	979	878	1453	1140	926
0.1	1262	960	834	1440	1124	912
0.2	1243	938	790	1420	1096	884
0.3	1218	909	746	1396	1065	853
0.4	1186	866	710	1352	1033	822
0.5	1137	838	657	1316	986	774
0.6	1104	795	604	1263	954	727
0.7	1055	752	534	1210	906	680
0.8	990	694	463	1158	859	632
0.9	925	637	392	1070	764	538
1.0	794	523	290	928	669	477
2 Ton Standard Efficiency (Horizontal)				KGB024S		
0.0	1204	937	818	1370	1098	879
0.1	1186	913	788	1352	1066	864
0.2	1164	882	748	1327	1034	839
0.3	1137	860	710	1300	1001	809
0.4	1104	818	670	1263	968	768
0.5	1070	775	612	1227	925	728
0.6	1031	733	554	1190	881	688
0.7	991	690	500	1136	816	628
0.8	937	626	432	1081	751	557
0.9	804	566	362	1009	665	492
1.0	678	497	287	900	565	416

BLOWER DATA - DIRECT DRIVE - KGB030

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (larger gas heat section, economizer, wet coil, etc.) See page 38.

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.) See page 38.

External Static Pressure (in. w.g.)	Air Volume (cfm) at Various Blower Speeds					
	208 VOLTS			230 VOLTS		
	High	Medium	Low	High	Medium	Low
2.5 Ton Standard Efficiency (Downflow)				KGB030S		
0.0	1211	949	852	1365	1097	916
0.1	1251	946	826	1422	1099	908
0.2	1241	952	794	1419	1112	893
0.3	1234	915	749	1419	1074	861
0.4	1213	880	702	1402	1038	824
0.5	1178	846	661	1366	1003	795
0.6	1118	790	585	1302	942	720
0.7	1054	751	518	1231	900	655
0.8	964	675	460	1130	815	600
0.9	882	626	368	1037	762	501
1.0	729	494	286	859	606	412
2.5 Ton Standard Efficiency (Horizontal)				KGB030S		
0.0	1163	930	815	1312	1075	875
0.1	1173	912	783	1333	1060	861
0.2	1169	888	746	1337	1037	839
0.3	1152	858	704	1325	1007	809
0.4	1122	822	657	1297	969	772
0.5	1079	779	606	1252	923	728
0.6	1023	730	549	1191	870	676
0.7	953	674	488	1114	808	617
0.8	871	613	422	1020	739	550
0.9	775	545	350	911	662	476
1.0	666	470	274	785	578	395

BLOWER DATA - DIRECT DRIVE - KGB036, KGB048

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (larger gas heat section, economizer, wet coil, etc.) See page 38.

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.) See page 38.

External Static Pressure (in. w.g.)	Air Volume (cfm) at Various Blower Speeds								
	208 VOLTS			230 VOLTS			460/575 VOLTS		
	High	Medium	Low	High	Medium	Low	High	Medium	Low
3 and 4 Ton Standard Efficiency (Downflow)					KGB036S and KGB048S				
0.0	1873	1561	1123	2094	1783	1321	2064	1727	1216
0.1	1993	1601	1148	2168	1797	1338	2105	1744	1229
0.2	1913	1601	1137	2098	1803	1308	2050	1694	1198
0.3	1858	1527	1078	2036	1725	1261	1987	1638	1167
0.4	1801	1496	1046	1973	1679	1219	1905	1598	1148
0.5	1763	1467	987	1910	1647	1177	1862	1559	1108
0.6	1709	1414	897	1830	1560	1080	1781	1509	1057
0.7	1617	1368	806	1727	1519	986	1698	1449	982
0.8	1472	1269	730	1604	1419	918	1614	1389	920
0.9	1359	1162	487	1478	1363	706	1488	1346	792
1.0	961	922	370	1093	1083	590	1167	1099	703
3 and 4 Ton Standard Efficiency (Horizontal)					KGB036S and KGB048S				
0.0	1799	1530	1073	2012	1747	1263	2015	1756	1251
0.1	1868	1544	1088	2032	1733	1268	2071	1760	1279
0.2	1802	1494	1068	1976	1682	1228	2014	1700	1226
0.3	1735	1432	1014	1900	1618	1185	1937	1634	1187
0.4	1666	1397	980	1825	1568	1142	1878	1597	1174
0.5	1615	1350	904	1750	1516	1078	1801	1558	1124
0.6	1564	1305	842	1675	1440	1014	1743	1479	1060
0.7	1462	1228	758	1562	1364	928	1664	1415	982
0.8	1330	1151	670	1449	1287	842	1512	1335	865
0.9	1194	1011	464	1298	1185	671	1393	1297	733
1.0	878	878	355	998	1032	565	1060	1063	618

BLOWER DATA - DIRECT DRIVE - KGB060

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (larger gas heat section, economizer, wet coil, etc.) See page 38.

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.) See page 38.

External Static Pressure (in. w.g.)	Air Volume (cfm) at Various Blower Speeds					
	208 VOLTS		230 VOLTS		460/575 VOLTS	
	High	Low	High	Low	High	Low
5 Ton Standard Efficiency (Downflow)						KGB060S
0.0	1940	1581	2131	1788	2131	1788
0.1	1929	1566	2107	1784	2107	1784
0.2	1906	1552	2074	1774	2074	1774
0.3	1872	1546	2036	1752	2036	1752
0.4	1836	1526	1998	1708	1998	1708
0.5	1802	1486	1960	1679	1960	1679
0.6	1749	1447	1904	1635	1904	1635
0.7	1714	1407	1847	1576	1847	1576
0.8	1644	1347	1771	1518	1771	1518
0.9	1574	1245	1658	1430	1658	1430
1.0	1338	---	1506	---	1506	---
5 Ton Standard Efficiency (Horizontal)						KGB060S
0.0	1930	1575	2143	1764	2143	1764
0.1	1920	1573	2115	1761	2115	1761
0.2	1910	1576	2088	1751	2088	1751
0.3	1870	1552	2055	1746	2055	1746
0.4	1840	1524	2023	1704	2023	1704
0.5	1790	1495	1979	1675	1979	1675
0.6	1739	1466	1925	1633	1925	1633
0.7	1679	1428	1860	1590	1860	1590
0.8	1639	1371	1775	1534	1775	1534
0.9	1559	1270	1670	1421	1670	1421
1.0	1438	---	1539	1285	1539	1285

BLOWER DATA - BELT DRIVE - KGB036**BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.**

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, wet coil, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

DOWNFLOW

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	493	0.11	564	0.15	637	0.19	711	0.22	783	0.24	851	0.26	910	0.29	961	0.32
1000	517	0.14	588	0.18	660	0.22	733	0.24	804	0.26	868	0.29	924	0.32	974	0.35
1100	544	0.17	614	0.21	685	0.25	757	0.27	826	0.29	887	0.32	940	0.36	987	0.38
1200	574	0.2	643	0.24	712	0.28	782	0.31	849	0.33	906	0.36	956	0.39	1001	0.42
1300	613	0.23	679	0.28	745	0.31	811	0.34	873	0.36	926	0.40	973	0.43	1016	0.46
1400	662	0.26	722	0.30	781	0.34	841	0.37	897	0.41	944	0.44	989	0.48	1032	0.51
1500	710	0.29	763	0.33	816	0.38	869	0.41	919	0.45	963	0.49	1006	0.53	1049	0.56

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	1008	0.34	1056	0.36	1104	0.39	1149	0.41	1190	0.44	1229	0.46	1267	0.49	1305	0.52
1000	1020	0.37	1067	0.40	1115	0.42	1159	0.45	1200	0.48	1239	0.51	1277	0.54	1314	0.57
1100	1032	0.41	1078	0.43	1124	0.46	1168	0.49	1210	0.52	1249	0.55	1286	0.58	1323	0.62
1200	1045	0.45	1090	0.47	1135	0.50	1178	0.53	1220	0.57	1259	0.60	1296	0.64	1332	0.67
1300	1060	0.49	1104	0.51	1148	0.55	1190	0.58	1230	0.62	1269	0.65	1306	0.69	1342	0.72
1400	1075	0.53	1119	0.56	1162	0.60	1203	0.63	1242	0.67	1280	0.71	1317	0.75	1352	0.78
1500	1093	0.58	1136	0.61	1177	0.65	1217	0.69	1255	0.73	1292	0.77	1328	0.80	1364	0.84

HORIZONTAL

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	465	0.09	531	0.14	600	0.17	670	0.20	740	0.22	808	0.24	869	0.27	925	0.30
1000	483	0.12	549	0.16	617	0.20	687	0.22	756	0.24	822	0.26	881	0.29	935	0.33
1100	504	0.14	570	0.19	637	0.22	706	0.25	773	0.27	837	0.29	894	0.32	946	0.36
1200	527	0.17	592	0.22	658	0.25	726	0.28	792	0.30	854	0.32	908	0.36	957	0.39
1300	552	0.20	617	0.25	682	0.29	748	0.31	812	0.33	871	0.36	923	0.40	970	0.43
1400	580	0.24	644	0.28	708	0.32	773	0.35	834	0.37	890	0.40	938	0.44	984	0.48
1500	611	0.28	674	0.32	736	0.35	799	0.38	857	0.41	908	0.44	954	0.49	998	0.52

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
900	977	0.33	1028	0.36	1079	0.39	1127	0.42	1169	0.45	1208	0.48	1246	0.51	1282	0.54
1000	985	0.36	1036	0.39	1087	0.42	1135	0.45	1177	0.48	1216	0.52	1253	0.55	1290	0.58
1100	995	0.39	1044	0.42	1093	0.45	1140	0.49	1183	0.52	1223	0.56	1261	0.59	1297	0.62
1200	1005	0.43	1053	0.46	1100	0.49	1146	0.53	1190	0.56	1230	0.60	1268	0.63	1304	0.67
1300	1016	0.47	1063	0.50	1109	0.53	1154	0.57	1197	0.61	1237	0.64	1275	0.68	1311	0.72
1400	1029	0.51	1074	0.54	1120	0.58	1164	0.61	1205	0.65	1245	0.69	1282	0.73	1318	0.77
1500	1042	0.56	1087	0.59	1132	0.62	1174	0.66	1215	0.71	1253	0.75	1290	0.78	1326	0.82

BLOWER DATA - BELT DRIVE - KGB048

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, wet coil, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

DOWNFLOW

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	574	0.20	644	0.24	713	0.28	784	0.31	850	0.33	906	0.36	953	0.39	998	0.42
1300	608	0.24	677	0.28	744	0.31	813	0.34	874	0.37	925	0.40	969	0.43	1014	0.46
1400	645	0.28	712	0.31	778	0.35	842	0.38	898	0.41	944	0.44	986	0.48	1030	0.51
1500	684	0.31	749	0.35	811	0.38	871	0.42	921	0.45	963	0.49	1004	0.53	1048	0.56
1600	723	0.35	785	0.39	844	0.43	898	0.46	943	0.50	983	0.54	1024	0.58	1067	0.61
1700	761	0.40	819	0.44	875	0.48	924	0.52	965	0.56	1004	0.60	1045	0.63	1089	0.66
1800	798	0.45	853	0.49	905	0.54	950	0.58	990	0.62	1028	0.66	1069	0.69	1112	0.72
1900	834	0.51	885	0.55	934	0.60	977	0.64	1015	0.68	1054	0.72	1095	0.75	1137	0.79
2000	869	0.57	917	0.62	962	0.67	1004	0.71	1042	0.75	1081	0.78	1121	0.82	1162	0.86

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	1043	0.44	1090	0.47	1135	0.50	1179	0.53	1220	0.57	1259	0.60	1297	0.64	1333	0.67
1300	1058	0.49	1104	0.51	1148	0.55	1190	0.58	1231	0.62	1269	0.65	1306	0.69	1342	0.72
1400	1074	0.53	1119	0.56	1162	0.59	1203	0.63	1242	0.67	1280	0.71	1317	0.74	1352	0.78
1500	1092	0.58	1136	0.61	1177	0.65	1217	0.69	1255	0.73	1292	0.76	1328	0.80	1364	0.84
1600	1112	0.63	1154	0.67	1193	0.71	1232	0.75	1269	0.79	1306	0.83	1341	0.87	1377	0.91
1700	1132	0.69	1173	0.73	1211	0.77	1248	0.81	1285	0.86	1321	0.90	1356	0.94	1391	0.98
1800	1154	0.76	1194	0.80	1230	0.85	1266	0.89	1302	0.93	1338	0.98	1373	1.02	1408	1.06
1900	1178	0.83	1215	0.88	1250	0.93	1286	0.98	1321	1.02	1356	1.06	1391	1.10	1426	1.14
2000	1201	0.91	1237	0.97	1271	1.02	1307	1.07	1342	1.11	1376	1.15	1411	1.19	1446	1.23

HORIZONTAL

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	540	0.18	606	0.22	673	0.26	748	0.29	816	0.30	870	0.33	914	0.37	961	0.40
1300	568	0.21	634	0.26	699	0.29	771	0.32	835	0.34	886	0.37	929	0.41	975	0.44
1400	599	0.25	664	0.29	728	0.33	795	0.35	855	0.38	903	0.41	946	0.45	991	0.49
1500	632	0.29	696	0.33	758	0.36	821	0.39	877	0.42	922	0.46	963	0.50	1008	0.54
1600	667	0.33	729	0.36	789	0.40	848	0.43	898	0.46	941	0.51	982	0.55	1026	0.59
1700	702	0.36	761	0.40	819	0.44	873	0.48	920	0.52	960	0.56	1001	0.61	1044	0.64
1800	737	0.41	794	0.45	848	0.49	898	0.53	941	0.58	981	0.62	1021	0.66	1064	0.70
1900	771	0.46	825	0.50	877	0.54	923	0.59	964	0.64	1002	0.68	1043	0.72	1085	0.76
2000	805	0.51	857	0.56	905	0.61	948	0.66	987	0.71	1025	0.75	1065	0.79	1107	0.82

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1200	1010	0.43	1061	0.46	1110	0.50	1156	0.53	1199	0.57	1239	0.61	1276	0.64	1312	0.68
1300	1024	0.47	1073	0.50	1120	0.54	1165	0.58	1207	0.62	1246	0.65	1284	0.69	1320	0.73
1400	1038	0.52	1086	0.55	1131	0.59	1175	0.62	1216	0.66	1255	0.70	1292	0.74	1328	0.78
1500	1054	0.57	1100	0.60	1144	0.64	1186	0.68	1226	0.72	1264	0.75	1301	0.79	1336	0.83
1600	1071	0.62	1116	0.65	1158	0.69	1198	0.73	1237	0.77	1274	0.81	1310	0.85	1345	0.89
1700	1089	0.67	1132	0.71	1172	0.75	1211	0.79	1249	0.83	1285	0.87	1321	0.91	1355	0.95
1800	1108	0.73	1149	0.77	1188	0.81	1225	0.85	1262	0.90	1298	0.94	1332	0.98	1366	1.01
1900	1128	0.79	1167	0.84	1204	0.88	1241	0.92	1276	0.97	1311	1.01	1345	1.05	1379	1.09
2000	1148	0.86	1186	0.91	1221	0.96	1257	1.00	1292	1.05	1326	1.09	1359	1.13	1393	1.17

BLOWER DATA - BELT DRIVE - KGB060**BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.**

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, wet coil, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

DOWNFLOW

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1600	720	0.28	769	0.33	819	0.37	871	0.41	926	0.44	975	0.47	1016	0.51	1054	0.55
1700	779	0.30	822	0.35	864	0.39	908	0.44	953	0.48	995	0.52	1034	0.57	1072	0.61
1800	828	0.34	864	0.39	901	0.43	938	0.48	977	0.53	1015	0.58	1053	0.63	1091	0.67
1900	858	0.41	892	0.45	927	0.50	962	0.55	999	0.60	1036	0.65	1074	0.69	1112	0.73
2000	879	0.47	913	0.52	948	0.56	984	0.61	1020	0.67	1058	0.72	1096	0.76	1134	0.80
2100	900	0.53	935	0.58	970	0.63	1007	0.69	1044	0.74	1081	0.79	1119	0.84	1157	0.88
2200	922	0.60	958	0.65	994	0.71	1031	0.76	1068	0.82	1106	0.87	1143	0.91	1180	0.95
2300	947	0.67	983	0.73	1020	0.79	1057	0.85	1094	0.90	1131	0.95	1168	1.00	1205	1.03
2400	974	0.76	1010	0.82	1047	0.88	1084	0.94	1120	0.99	1157	1.04	1193	1.08	1230	1.12

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1600	1093	0.60	1133	0.63	1173	0.67	1214	0.70	1253	0.73	1288	0.77	1318	0.81	1351	0.85
1700	1111	0.65	1150	0.69	1190	0.72	1230	0.76	1268	0.79	1301	0.83	1331	0.87	1363	0.92
1800	1130	0.71	1169	0.75	1208	0.78	1247	0.82	1285	0.86	1317	0.90	1345	0.94	1377	0.98
1900	1150	0.77	1188	0.81	1227	0.85	1267	0.88	1303	0.92	1333	0.97	1361	1.02	1392	1.06
2000	1172	0.84	1210	0.88	1248	0.92	1286	0.96	1321	1.00	1350	1.05	1377	1.10	1409	1.14
2100	1195	0.91	1233	0.95	1269	1.00	1306	1.04	1339	1.09	1367	1.14	1395	1.19	1426	1.23
2200	1218	0.99	1255	1.03	1290	1.09	1324	1.14	1356	1.19	1385	1.24	1413	1.28	1444	1.32
2300	1242	1.07	1277	1.13	1310	1.20	1343	1.26	1374	1.30	1403	1.34	1432	1.38	1464	1.42
2400	1267	1.16	1300	1.23	1332	1.31	1364	1.37	1394	1.41	1423	1.45	1453	1.48	1484	1.53

HORIZONTAL

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1600	654	0.28	712	0.32	769	0.36	825	0.39	879	0.43	933	0.47	982	0.50	1024	0.54
1700	703	0.31	756	0.35	807	0.39	858	0.43	906	0.47	955	0.51	999	0.55	1039	0.59
1800	752	0.34	798	0.38	844	0.43	889	0.48	933	0.52	977	0.57	1017	0.61	1056	0.65
1900	796	0.38	837	0.43	878	0.48	918	0.53	958	0.58	997	0.62	1036	0.67	1074	0.71
2000	833	0.43	870	0.48	907	0.54	943	0.59	980	0.64	1018	0.69	1055	0.73	1093	0.77
2100	864	0.50	897	0.55	931	0.60	966	0.65	1002	0.71	1038	0.76	1075	0.80	1113	0.83
2200	887	0.57	920	0.62	953	0.67	988	0.73	1024	0.78	1060	0.83	1097	0.87	1135	0.90
2300	909	0.64	942	0.70	976	0.75	1011	0.81	1046	0.86	1083	0.91	1120	0.95	1157	0.98
2400	931	0.72	965	0.78	999	0.83	1035	0.89	1071	0.94	1108	0.99	1144	1.03	1181	1.07

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1600	1063	0.58	1101	0.61	1141	0.64	1181	0.67	1222	0.70	1261	0.73	1298	0.77	1333	0.81
1700	1078	0.63	1117	0.66	1156	0.69	1196	0.72	1235	0.75	1273	0.79	1309	0.83	1344	0.87
1800	1094	0.68	1133	0.72	1172	0.75	1211	0.78	1250	0.81	1287	0.85	1322	0.90	1355	0.94
1900	1112	0.74	1151	0.77	1190	0.81	1228	0.84	1265	0.88	1301	0.92	1335	0.97	1367	1.01
2000	1131	0.80	1170	0.83	1208	0.87	1245	0.91	1281	0.96	1316	1.00	1349	1.04	1380	1.09
2100	1151	0.87	1189	0.90	1227	0.94	1263	0.99	1298	1.04	1331	1.08	1363	1.13	1394	1.17
2200	1173	0.94	1210	0.98	1246	1.02	1281	1.07	1315	1.12	1347	1.17	1379	1.22	1409	1.26
2300	1195	1.02	1231	1.06	1266	1.11	1300	1.16	1333	1.22	1364	1.27	1395	1.32	1424	1.36
2400	1217	1.10	1252	1.15	1286	1.20	1319	1.26	1351	1.32	1382	1.38	1411	1.43	1440	1.48

BLOWER DATA - BELT DRIVE - KGB074S - DOWNFLOW

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, wet coil, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	857	0.41	892	0.45	927	0.50	962	0.55	999	0.60	1036	0.65	1074	0.69	1112	0.73
2000	879	0.47	913	0.52	948	0.56	984	0.61	1020	0.67	1058	0.72	1096	0.76	1134	0.80
2100	900	0.53	935	0.58	970	0.63	1007	0.69	1044	0.74	1081	0.79	1119	0.84	1157	0.88
2200	922	0.60	958	0.65	994	0.71	1031	0.76	1068	0.82	1106	0.87	1143	0.91	1180	0.95
2300	947	0.67	983	0.73	1020	0.79	1057	0.85	1094	0.90	1131	0.95	1168	1.00	1205	1.03
2400	974	0.76	1010	0.82	1047	0.88	1084	0.94	1120	0.99	1157	1.04	1193	1.08	1230	1.12
2500	1002	0.85	1039	0.91	1075	0.97	1112	1.03	1148	1.08	1184	1.13	1220	1.17	1257	1.21
2600	1032	0.95	1068	1.01	1105	1.07	1141	1.13	1177	1.17	1213	1.22	1248	1.26	1284	1.31
2700	1062	1.05	1099	1.11	1136	1.17	1172	1.22	1207	1.27	1242	1.32	1277	1.37	1312	1.43
2800	1094	1.16	1131	1.22	1167	1.27	1202	1.32	1237	1.38	1271	1.43	1305	1.49	1339	1.56
2900	1127	1.26	1163	1.32	1198	1.38	1233	1.44	1267	1.50	1300	1.56	1334	1.64	1367	1.71

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	1150	0.77	1188	0.81	1227	0.85	1267	0.88	1303	0.92	1333	0.97	1360	1.02	1392	1.06
2000	1172	0.84	1210	0.88	1248	0.92	1286	0.96	1321	1.00	1350	1.05	1377	1.10	1409	1.14
2100	1195	0.91	1233	0.95	1269	1.00	1306	1.04	1339	1.09	1367	1.14	1395	1.19	1426	1.23
2200	1218	0.99	1255	1.03	1290	1.09	1324	1.14	1356	1.19	1385	1.24	1413	1.28	1444	1.32
2300	1242	1.07	1277	1.13	1310	1.20	1343	1.26	1374	1.30	1403	1.34	1432	1.38	1464	1.42
2400	1267	1.16	1300	1.23	1332	1.31	1364	1.37	1394	1.41	1423	1.45	1453	1.48	1484	1.53
2500	1292	1.26	1324	1.34	1355	1.42	1387	1.48	1417	1.52	1445	1.56	1475	1.59	1506	1.64
2600	1318	1.38	1350	1.46	1380	1.55	1411	1.60	1440	1.64	1469	1.68	1498	1.71	1529	1.76
2700	1345	1.51	1376	1.60	1406	1.68	1436	1.73	1465	1.77	1493	1.80	1523	1.84	1553	1.88
2800	1372	1.65	1403	1.74	1433	1.82	1462	1.86	1490	1.90	1519	1.93	1548	1.97	1578	2.01
2900	1399	1.80	1430	1.89	1460	1.96	1489	2.00	1516	2.03	1544	2.06	1573	2.10	1603	2.14

BLOWER DATA - BELT DRIVE - KGB074S - HORIZONTAL

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, wet coil, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume cfm	External Static - in. w.g.															
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	796	0.38	837	0.43	878	0.48	918	0.53	958	0.58	997	0.62	1036	0.67	1074	0.71
2000	833	0.43	870	0.48	907	0.54	943	0.59	980	0.64	1018	0.69	1055	0.73	1093	0.77
2100	864	0.50	897	0.55	931	0.60	966	0.65	1002	0.71	1038	0.76	1075	0.80	1113	0.83
2200	887	0.57	920	0.62	953	0.67	988	0.73	1024	0.78	1060	0.83	1097	0.87	1135	0.90
2300	909	0.64	942	0.70	976	0.75	1011	0.81	1046	0.86	1083	0.91	1120	0.95	1157	0.98
2400	931	0.72	965	0.78	999	0.83	1035	0.89	1071	0.94	1108	0.99	1144	1.03	1181	1.07
2500	955	0.80	989	0.86	1024	0.92	1061	0.98	1097	1.03	1133	1.08	1170	1.11	1205	1.15
2600	981	0.90	1016	0.96	1052	1.01	1088	1.07	1124	1.12	1160	1.16	1195	1.20	1230	1.25
2700	1009	0.99	1044	1.05	1080	1.11	1116	1.16	1152	1.21	1187	1.26	1221	1.30	1254	1.35
2800	1038	1.10	1073	1.16	1109	1.21	1145	1.26	1180	1.31	1214	1.36	1247	1.40	1279	1.46
2900	1068	1.20	1104	1.26	1139	1.31	1174	1.36	1208	1.41	1240	1.47	1273	1.52	1304	1.58

Air Volume cfm	External Static - in. w.g.															
	0.90		1.00		1.10		1.20		1.30		1.40		1.50		1.60	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	1112	0.74	1151	0.77	1190	0.81	1228	0.84	1265	0.88	1301	0.92	1335	0.97	1367	1.01
2000	1131	0.80	1170	0.83	1208	0.87	1245	0.91	1281	0.96	1316	1.00	1349	1.04	1380	1.09
2100	1151	0.87	1189	0.90	1227	0.94	1263	0.99	1298	1.04	1331	1.08	1363	1.13	1394	1.17
2200	1173	0.94	1210	0.98	1246	1.02	1281	1.07	1315	1.12	1347	1.17	1379	1.22	1409	1.26
2300	1195	1.02	1231	1.06	1266	1.11	1300	1.16	1333	1.22	1364	1.27	1395	1.32	1424	1.36
2400	1217	1.10	1252	1.15	1286	1.20	1319	1.26	1351	1.32	1382	1.38	1411	1.43	1440	1.48
2500	1240	1.20	1274	1.25	1307	1.31	1339	1.37	1370	1.43	1400	1.49	1428	1.55	1457	1.59
2600	1264	1.30	1297	1.35	1329	1.42	1360	1.49	1389	1.55	1418	1.61	1446	1.67	1475	1.72
2700	1287	1.40	1319	1.47	1350	1.54	1380	1.61	1409	1.68	1437	1.74	1465	1.79	1493	1.84
2800	1311	1.52	1342	1.59	1373	1.66	1402	1.74	1430	1.8	1457	1.87	1485	1.92	1513	1.97
2900	1335	1.65	1366	1.72	1395	1.79	1424	1.87	1451	1.94	1478	2.00	1505	2.05	1533	2.09

BLOWER DATA - BELT DRIVE - KGB072H/KGB074H - DOWNFLOW

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume (cfm)	External Static (in.w.g.)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	523	0.47	557	0.53	591	0.59	625	0.64	660	0.68	694	0.72	730	0.76	764	0.8	796	0.84	824	0.89
2000	540	0.51	574	0.57	608	0.63	643	0.68	677	0.72	710	0.76	745	0.8	777	0.84	807	0.89	834	0.94
2100	559	0.56	592	0.61	626	0.67	660	0.72	694	0.77	727	0.81	760	0.85	790	0.89	819	0.94	844	1
2200	578	0.6	611	0.66	645	0.71	678	0.76	711	0.81	743	0.86	775	0.9	804	0.95	830	1	855	1.06
2300	599	0.65	632	0.71	664	0.76	697	0.81	729	0.86	760	0.91	790	0.96	817	1.01	842	1.07	867	1.12
2400	621	0.71	652	0.76	684	0.81	716	0.86	746	0.92	776	0.97	805	1.02	830	1.08	855	1.14	879	1.19
2500	642	0.77	673	0.82	704	0.87	734	0.93	764	0.98	793	1.04	820	1.09	845	1.15	868	1.21	892	1.27
2600	665	0.82	694	0.88	724	0.93	753	0.99	782	1.05	810	1.11	835	1.17	859	1.23	883	1.29	907	1.34
2700	688	0.89	716	0.94	744	1	773	1.06	800	1.13	827	1.19	851	1.25	875	1.31	898	1.37	922	1.42
2800	710	0.95	738	1.02	765	1.08	792	1.15	818	1.21	844	1.28	868	1.34	891	1.4	914	1.45	938	1.51
2900	733	1.03	759	1.1	785	1.17	811	1.24	836	1.3	861	1.37	885	1.43	908	1.49	931	1.54	954	1.59

Air Volume (cfm)	External Static (in.w.g.)																			
	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	851	0.94	878	0.98	904	1.03	930	1.07	957	1.11	984	1.15	1010	1.2	1035	1.25	1060	1.31	1084	1.37
2000	860	0.99	886	1.04	913	1.08	939	1.12	966	1.17	992	1.21	1018	1.26	1043	1.32	1067	1.38	1090	1.43
2100	870	1.05	896	1.1	922	1.14	948	1.18	975	1.23	1001	1.27	1027	1.33	1051	1.39	1074	1.44	1097	1.5
2200	880	1.11	906	1.16	932	1.2	959	1.25	985	1.29	1011	1.34	1036	1.4	1059	1.46	1082	1.52	1105	1.58
2300	891	1.18	917	1.22	943	1.27	970	1.31	996	1.36	1021	1.41	1046	1.47	1068	1.53	1090	1.6	1113	1.66
2400	904	1.25	929	1.29	956	1.34	982	1.39	1008	1.43	1032	1.49	1056	1.55	1078	1.62	1099	1.68	1121	1.75
2500	917	1.32	942	1.37	968	1.41	994	1.46	1020	1.51	1044	1.57	1066	1.64	1088	1.7	1108	1.77	1130	1.84
2600	931	1.39	957	1.44	982	1.49	1008	1.54	1032	1.6	1055	1.66	1077	1.73	1098	1.8	1118	1.87	1139	1.94
2700	946	1.47	971	1.52	996	1.57	1021	1.63	1045	1.69	1067	1.76	1088	1.83	1108	1.91	1127	1.98	1148	2.05
2800	962	1.56	986	1.61	1011	1.66	1034	1.72	1057	1.79	1079	1.86	1099	1.94	1118	2.02	1137	2.09	1158	2.16
2900	978	1.65	1001	1.7	1025	1.75	1048	1.82	1069	1.89	1090	1.98	1109	2.06	1128	2.14	1147	2.22	1167	2.28

BLOWER DATA - BELT DRIVE - KGB072H/KGB074H - HORIZONTAL

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume (cfm)	External Static (in.w.g.)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	490	0.5	521	0.53	554	0.56	588	0.6	622	0.63	656	0.67	690	0.71	725	0.75	759	0.79	790	0.83
2000	505	0.55	537	0.58	569	0.61	602	0.64	636	0.68	669	0.71	702	0.75	736	0.79	769	0.84	798	0.88
2100	521	0.6	552	0.62	584	0.66	617	0.69	650	0.73	682	0.76	715	0.8	747	0.84	778	0.89	807	0.93
2200	537	0.65	569	0.68	600	0.71	632	0.74	665	0.78	696	0.81	728	0.85	759	0.9	789	0.94	816	0.99
2300	554	0.7	585	0.73	617	0.76	648	0.79	680	0.83	711	0.87	741	0.91	771	0.95	799	1	826	1.05
2400	572	0.75	602	0.78	633	0.81	664	0.85	695	0.88	725	0.92	755	0.97	784	1.01	811	1.06	836	1.11
2500	591	0.8	620	0.83	650	0.87	680	0.9	711	0.94	740	0.98	769	1.03	797	1.08	823	1.13	847	1.18
2600	610	0.86	639	0.89	668	0.92	697	0.96	727	1	755	1.05	783	1.09	810	1.14	835	1.2	859	1.25
2700	630	0.91	658	0.95	686	0.98	715	1.02	743	1.07	771	1.11	798	1.16	824	1.22	848	1.27	872	1.32
2800	650	0.97	677	1.01	705	1.05	732	1.09	760	1.14	787	1.19	813	1.24	838	1.3	861	1.35	885	1.4
2900	670	1.03	697	1.07	724	1.11	750	1.16	777	1.21	803	1.27	828	1.32	852	1.38	876	1.44	898	1.49

Air Volume (cfm)	External Static (in.w.g.)																			
	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1900	818	0.88	843	0.92	869	0.97	896	1.01	924	1.05	953	1.1	981	1.14	1008	1.19	1034	1.24	1059	1.29
2000	825	0.93	850	0.97	875	1.02	902	1.06	930	1.11	958	1.15	986	1.2	1012	1.25	1038	1.3	1061	1.35
2100	833	0.98	857	1.03	883	1.07	910	1.12	937	1.16	965	1.21	991	1.26	1017	1.31	1041	1.37	1064	1.42
2200	841	1.04	866	1.09	891	1.13	918	1.18	945	1.22	972	1.27	998	1.32	1022	1.38	1045	1.44	1067	1.49
2300	851	1.1	875	1.15	901	1.19	927	1.24	954	1.29	980	1.34	1004	1.39	1028	1.45	1050	1.51	1071	1.57
2400	861	1.16	886	1.21	911	1.26	937	1.3	963	1.35	988	1.41	1012	1.47	1034	1.53	1055	1.59	1076	1.65
2500	872	1.23	896	1.27	921	1.32	947	1.37	972	1.43	997	1.48	1019	1.55	1041	1.61	1061	1.68	1081	1.74
2600	883	1.3	908	1.35	933	1.4	958	1.45	982	1.5	1006	1.57	1027	1.63	1048	1.7	1068	1.77	1087	1.83
2700	895	1.37	920	1.42	944	1.47	969	1.53	992	1.59	1015	1.65	1036	1.72	1056	1.79	1075	1.86	1094	1.92
2800	908	1.45	932	1.5	956	1.56	980	1.62	1003	1.68	1025	1.75	1045	1.82	1064	1.89	1083	1.96	1102	2.02
2900	922	1.54	945	1.59	969	1.65	992	1.71	1014	1.78	1035	1.85	1055	1.92	1074	2	1092	2.07	1111	2.13

BLOWER DATA - BELT DRIVE - KGB090S4 - DOWNFLOW

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume (cfm)	External Static (in.w.g.)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	621	0.71	652	0.76	684	0.81	716	0.86	746	0.92	776	0.97	805	1.02	830	1.08	855	1.14	879	1.19
2500	642	0.77	673	0.82	704	0.87	734	0.93	764	0.98	793	1.04	820	1.09	845	1.15	868	1.21	892	1.27
2600	665	0.82	694	0.88	724	0.93	753	0.99	782	1.05	810	1.11	835	1.17	859	1.23	883	1.29	907	1.34
2700	688	0.89	716	0.94	744	1.00	773	1.06	800	1.13	827	1.19	851	1.25	875	1.31	898	1.37	922	1.42
2800	710	0.95	738	1.02	765	1.08	792	1.15	818	1.21	844	1.28	868	1.34	891	1.40	914	1.45	938	1.51
2900	733	1.03	759	1.10	785	1.17	811	1.24	836	1.30	861	1.37	885	1.43	908	1.49	931	1.54	954	1.59
3000	754	1.12	779	1.19	805	1.26	830	1.33	855	1.40	879	1.46	902	1.52	925	1.58	948	1.63	970	1.69
3100	775	1.22	800	1.29	824	1.36	849	1.43	873	1.50	897	1.56	920	1.62	942	1.67	964	1.73	987	1.78
3200	796	1.32	820	1.39	844	1.47	868	1.53	892	1.60	915	1.66	937	1.72	959	1.77	981	1.83	1002	1.88
3300	816	1.43	840	1.50	863	1.57	887	1.64	910	1.70	933	1.76	955	1.82	976	1.88	997	1.93	1018	1.99
3400	837	1.54	860	1.61	883	1.68	906	1.75	929	1.81	951	1.87	972	1.93	993	1.98	1013	2.05	1033	2.11
3500	858	1.66	881	1.73	903	1.79	926	1.86	948	1.92	969	1.98	990	2.04	1009	2.10	1029	2.17	1048	2.24
3600	879	1.77	901	1.84	923	1.91	945	1.97	966	2.04	987	2.10	1006	2.16	1025	2.23	1044	2.30	1062	2.38

Air Volume (cfm)	External Static (in.w.g.)																			
	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	904	1.25	929	1.29	956	1.34	982	1.39	1008	1.43	1032	1.49	1056	1.55	1078	1.62	1099	1.68	1121	1.75
2500	917	1.32	942	1.37	968	1.41	994	1.46	1020	1.51	1044	1.57	1066	1.64	1088	1.70	1108	1.77	1130	1.84
2600	931	1.39	957	1.44	982	1.49	1008	1.54	1032	1.60	1055	1.66	1077	1.73	1098	1.80	1118	1.87	1139	1.94
2700	946	1.47	971	1.52	996	1.57	1021	1.63	1045	1.69	1067	1.76	1088	1.83	1108	1.91	1127	1.98	1148	2.05
2800	962	1.56	986	1.61	1011	1.66	1034	1.72	1057	1.79	1079	1.86	1099	1.94	1118	2.02	1137	2.09	1158	2.16
2900	978	1.65	1001	1.70	1025	1.75	1048	1.82	1069	1.89	1090	1.98	1109	2.06	1128	2.14	1147	2.22	1167	2.28
3000	993	1.74	1016	1.79	1039	1.86	1061	1.93	1081	2.01	1101	2.10	1120	2.18	1138	2.27	1157	2.34	1177	2.41
3100	1009	1.84	1031	1.90	1052	1.97	1073	2.05	1093	2.13	1112	2.22	1130	2.31	1148	2.40	1167	2.47	1187	2.53
3200	1024	1.94	1045	2.01	1065	2.09	1085	2.17	1104	2.26	1123	2.36	1141	2.45	1159	2.53	1178	2.60	1198	2.66
3300	1038	2.06	1058	2.13	1078	2.22	1097	2.31	1116	2.40	1134	2.49	1152	2.58	1170	2.66	1189	2.73	1209	2.79
3400	1053	2.19	1072	2.27	1091	2.35	1109	2.45	1127	2.54	1145	2.63	1163	2.72	1181	2.79	1200	2.86	1220	2.92
3500	1067	2.32	1085	2.41	1103	2.50	1121	2.59	1138	2.69	1156	2.78	1174	2.85	1192	2.93	1212	2.99	1231	3.05
3600	1081	2.46	1098	2.55	1116	2.64	1133	2.74	1151	2.83	1168	2.91	1186	2.99	1205	3.06	1224	3.12	1243	3.17

BLOWER DATA - BELT DRIVE - KGB090S4 - HORIZONTAL

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL AND AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

1 - Any factory installed options air resistance (heat section, economizer, etc.).

2 - Any field installed accessories air resistance (duct resistance, diffuser, etc.).

See page 38 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume (cfm)	External Static (in.w.g.)																			
	0.10		0.20		0.30		0.40		0.50		0.60		0.70		0.80		0.9		1.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	572	0.75	602	0.78	633	0.81	664	0.85	695	0.88	725	0.92	755	0.97	784	1.01	811	1.06	836	1.11
2500	591	0.80	620	0.83	650	0.87	680	0.90	711	0.94	740	0.98	769	1.03	797	1.08	823	1.13	847	1.18
2600	610	0.86	639	0.89	668	0.92	697	0.96	727	1.00	755	1.05	783	1.09	810	1.14	835	1.20	859	1.25
2700	630	0.91	658	0.95	686	0.98	715	1.02	743	1.07	771	1.11	798	1.16	824	1.22	848	1.27	872	1.32
2800	650	0.97	677	1.01	705	1.05	732	1.09	760	1.14	787	1.19	813	1.24	838	1.30	861	1.35	885	1.40
2900	670	1.03	697	1.07	724	1.11	750	1.16	777	1.21	803	1.27	828	1.32	852	1.38	876	1.44	898	1.49
3000	691	1.09	717	1.14	743	1.18	769	1.24	794	1.29	819	1.35	844	1.42	868	1.47	890	1.53	913	1.58
3100	712	1.16	737	1.21	762	1.27	787	1.32	812	1.39	836	1.45	860	1.51	883	1.57	906	1.63	928	1.68
3200	732	1.24	756	1.30	781	1.36	805	1.42	829	1.48	853	1.55	876	1.61	899	1.67	921	1.73	943	1.78
3300	752	1.33	776	1.39	799	1.46	823	1.52	847	1.59	870	1.65	893	1.71	916	1.77	937	1.83	959	1.88
3400	772	1.43	795	1.50	818	1.56	842	1.63	865	1.69	888	1.76	910	1.82	932	1.88	953	1.93	974	1.99
3500	792	1.54	815	1.61	838	1.67	861	1.74	883	1.80	906	1.87	928	1.93	949	1.98	970	2.04	990	2.10
3600	812	1.65	834	1.72	857	1.79	880	1.85	902	1.92	924	1.98	945	2.04	966	2.10	986	2.16	1005	2.22

Air Volume (cfm)	External Static (in.w.g.)																			
	1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8		1.9		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2400	861	1.16	886	1.21	911	1.26	937	1.30	963	1.35	988	1.41	1012	1.47	1034	1.53	1055	1.59	1076	1.65
2500	872	1.23	896	1.27	921	1.32	947	1.37	972	1.43	997	1.48	1019	1.55	1041	1.61	1061	1.68	1081	1.74
2600	883	1.30	908	1.35	933	1.40	958	1.45	982	1.50	1006	1.57	1027	1.63	1048	1.70	1068	1.77	1087	1.83
2700	895	1.37	920	1.42	944	1.47	969	1.53	992	1.59	1015	1.65	1036	1.72	1056	1.79	1075	1.86	1094	1.92
2800	908	1.45	932	1.50	956	1.56	980	1.62	1003	1.68	1025	1.75	1045	1.82	1064	1.89	1083	1.96	1102	2.02
2900	922	1.54	945	1.59	969	1.65	992	1.71	1014	1.78	1035	1.85	1055	1.92	1074	2.00	1092	2.07	1111	2.13
3000	936	1.63	959	1.68	982	1.74	1004	1.81	1026	1.88	1046	1.96	1065	2.03	1084	2.11	1102	2.18	1120	2.25
3100	950	1.73	973	1.78	995	1.85	1017	1.91	1037	1.99	1057	2.07	1076	2.15	1094	2.23	1112	2.31	1130	2.38
3200	965	1.83	987	1.89	1008	1.95	1029	2.03	1049	2.11	1068	2.19	1087	2.28	1105	2.36	1123	2.44	1141	2.51
3300	980	1.94	1001	2.00	1022	2.07	1042	2.15	1061	2.23	1080	2.32	1098	2.41	1116	2.50	1134	2.58	1152	2.65
3400	995	2.05	1015	2.12	1035	2.19	1054	2.28	1073	2.37	1092	2.46	1110	2.55	1128	2.64	1145	2.72	1163	2.79
3500	1010	2.17	1029	2.24	1048	2.32	1067	2.41	1086	2.51	1104	2.60	1122	2.70	1139	2.78	1157	2.86	1174	2.93
3600	1024	2.30	1043	2.38	1062	2.46	1080	2.55	1098	2.65	1116	2.75	1133	2.84	1151	2.93	1168	3.01	1186	3.08

BLOWER DATA

BELT DRIVE KIT SPECIFICATIONS - 036-074S

Model No.	Motor HP		No. of Speeds	Drive Kits and RPM Range							
	Nominal	Maximum		A01	A02	A03	A04	A05	A06	A07	A08
036	0.75	0.86	1	673-1010	---	---	---	897-1346	---	---	---
	1	1.15	1	673-1010	---	---	---	897-1346	---	---	---
	1.5	1.7	1	673-1010	---	---	---	897-1346	---	---	---
	2	2.3	1	673-1010	---	---	---	897-1346	---	---	---
048	0.75	0.86	1	---	745-1117	---	---	---	1071-1429	---	---
	1	1.15	1	---	745-1117	---	---	---	1071-1429	---	---
	1.5	1.7	1	---	745-1117	---	---	---	1071-1429	---	---
	2	2.3	1	---	745-1117	---	---	---	1071-1429	---	---
060	0.75	0.86	1	---	---	833-1250	---	---	---	1212-1548	---
	1	1.15	1	---	---	833-1250	---	---	---	1212-1548	---
	1.5	1.7	1	---	---	833-1250	---	---	---	1212-1548	---
	2	2.3	1	---	---	833-1250	---	---	---	1212-1548	---
074S	1	1.5	2	---	---	---	968-1340	---	---	---	1193-1591
	2	2.3	2	---	---	---	968-1340	---	---	---	1193-1591

BELT DRIVE KIT SPECIFICATIONS - 072H/074H/090S

Model No.	Motor HP		No. of Speeds	Drive Kits and RPM Range			
	Nominal	Maximum		AA01	AA02	AA03	AA04
072H	1	1.15	1	522-784	632-875	798-1105	---
	2	2.3	1	522-784	632-875	798-1105	---
074H	1	1.15	2	522-784	632-875	798-1105	---
	2	2.3	2	522-784	632-875	798-1105	---
090S4B	1	1.15	1	522-784	632-875	798-1105	---
	2	2.3	1	522-784	632-875	798-1105	---
	3	3.45	1	522-784	632-875	798-1105	921-1228
090S4T	2	2.3	2	522-784	632-875	798-1105	---

NOTE - Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor hp required. Maximum usable hp of motors furnished are shown. In Canada, nominal motor hp is also maximum usable motor hp. If motors of comparable hp are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

OPTIONS / ACCESSORIES AIR RESISTANCE FOR 024-074 MODELS - in. w.g.

Air Volume cfm	Wet Indoor Coil			Gas Heat		Economizer	Filters	
	024-048	060	072/074	Medium Input	High Input		MERV 8	MERV 13
800	0.01	0.01	0.01	0.02	0.02	0.04	0.04	0.05
1000	0.02	0.02	0.01	0.02	0.02	0.04	0.04	0.07
1200	0.03	0.04	0.02	0.02	0.02	0.04	0.04	0.07
1400	0.04	0.05	0.03	0.02	0.03	0.04	0.04	0.07
1600	0.05	0.06	0.04	0.03	0.04	0.04	0.04	0.07
1800	0.06	0.07	0.05	0.03	0.05	0.05	0.05	0.07
2000	0.08	0.09	0.06	0.04	0.06	0.05	0.05	0.08
2200	0.09	0.10	0.07	0.04	0.07	0.05	0.05	0.08
2400	0.10	0.12	0.08	0.05	0.08	0.05	0.05	0.08
2600	0.11	0.13	0.09	0.05	0.09	0.06	0.05	0.08
2800	0.13	0.15	0.10	0.06	0.10	0.06	0.05	0.08
3000	0.14	0.16	0.12	0.07	0.11	0.06	0.05	0.08

OPTIONS / ACCESSORIES AIR RESISTANCE FOR 090 MODELS - in. w.g.

Air Volume cfm	Wet Indoor Coil	Economizer	Electric Heat	Filters	
				MERV 8	MERV 13
2400	0.08	0.05	0.22	0.05	0.08
2600	0.09	0.06	0.24	0.05	0.08
2800	0.10	0.06	0.26	0.05	0.08
3000	0.11	0.06	0.28	0.05	0.08
3200	0.12	0.06	0.30	0.06	0.09
3400	0.14	0.06	0.32	0.06	0.09
3600	0.15	0.06	0.34	0.06	0.10

BLOWER DATA

CEILING DIFFUSERS AIR RESISTANCE (in. w.g.)

Air Volume cfm	RTD9-65S Step-Down Diffuser			FD9-65S Flush Diffuser	RTD11-95S Step-Down Diffuser			FD11-95S Flush Diffuser
	2 Ends Open	1 Side & 2 Ends Open	All Ends & Sides Open		2 Ends Open	1 Side & 2 Ends Open	All Ends & Sides Open	
800	0.15	0.13	0.11	0.11	---	---	---	---
1000	0.19	0.16	0.14	0.14	---	---	---	---
1200	0.25	0.20	0.17	0.17	---	---	---	---
1400	0.33	0.26	0.20	0.20	---	---	---	---
1600	0.43	0.32	0.20	0.24	---	---	---	---
1800	0.56	0.40	0.30	0.30	0.13	0.11	0.09	0.09
2000	0.73	0.50	0.36	0.36	0.15	0.13	0.11	0.10
2200	0.95	0.63	0.44	0.44	0.18	0.15	0.12	0.12
2400	---	----	---	---	0.21	0.18	0.15	0.14
2600	---	----	---	---	0.24	0.21	0.18	0.17
2800	---	----	---	---	0.27	0.24	0.21	0.20
3000	---	----	---	---	0.32	0.29	0.25	0.25
3200	---	----	---	---	0.41	0.37	0.32	0.31
3400	---	----	---	---	0.50	0.45	0.39	0.37
3600	---	----	---	---	0.61	0.54	0.48	0.44

CEILING DIFFUSER AIR THROW DATA

Air Volume - cfm	¹ Effective Throw - ft.	
	RTD9-65S	FD9-65S
800	10 - 17	14 - 18
1000	10 - 17	15 - 20
1200	11 - 18	16 - 22
1400	12 - 19	17 - 24
1600	12 - 20	18 - 25
1800	13 - 21	20 - 28
2000	14 - 23	21 - 29
2200	16 - 25	22 - 30
Model No.	RTD11-95S	FD11-95S
2600	24 - 29	19 - 24
2800	25 - 30	20 - 28
3000	27 - 33	21 - 29
3200	28 - 35	22 - 29
3400	30 - 37	22 - 30
3600	25 - 33	22 - 24

¹ Effective throw based on terminal velocities of 75 ft. per minute.

POWER EXHAUST FAN PERFORMANCE

Return Air System Static Pressure - in. w.g.	Air Volume Exhausted cfm
0.00	2000
0.05	1990
0.10	1924
0.15	1810
0.20	1664
0.25	1507
0.30	1350
0.35	1210

OUTDOOR SOUND DATA

Unit Model No.	Octave Band Linear Sound Power Levels dBA, re 10 ⁻¹² Watts - Center Frequency - Hz							¹ Sound Rating Number (SRN) (dBA)
	125	250	500	1000	2000	4000	8000	
KGB024, 030, 036, 048	62	66	70	69	66	60	50	74
KGB060	72	75	78	77	73	68	58	83
KGB072, 074, 090	66	71	74	73	70	65	57	79

Note - The octave sound power data does not include tonal corrections.

¹ Sound Rating Number according to AHRI Standard 270-95 (includes pure tone penalty). "SRN" is the overall A-Weighted Sound Power Level, (LWA), dBA (100 Hz to 10,000 Hz).

ELECTRICAL DATA

DIRECT DRIVE BLOWER - STANDARD EFFICIENCY		KGB024S4D	KGB030S4D
¹ Voltage - 60hz		208/230V - 1 Ph	208/230V - 1 Ph
Compressor	Rated Load Amps	9.8	12.7
	Locked Rotor Amps	47	64
Outdoor Fan Motor	Full Load Amps	1.7	1.7
Service Outlet 115V GFI (amps)		15	15
Indoor Blower Motor	Horsepower	0.25	0.25
	Type	Direct	Direct
	Full Load Amps	1.8	1.8
² Maximum Overcurrent Protection	Unit Only	25	30
³ Minimum Circuit Ampacity	Unit Only	16	20

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W17	20W17
	Hinged Access	20W23	20W23

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL DATA

3 TON

KGB036S4D - STANDARD EFFICIENCY - DIRECT DRIVE BOWER

¹ Voltage - 60hz		208/230V - 1 Ph	208/230V - 3 Ph	460V - 3 Ph	575V - 3 Ph
Compressor	Rated Load Amps	15.3	8.7	4	3.6
	Locked Rotor Amps	70	70	31	27
Outdoor Fan Motor	Full Load Amps	1.7	1.7	1.1	0.7
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4	2.4	1.3	1
Service Outlet 115V GFI (amps)		15	15	15	20
Indoor Blower Motor	Horsepower	0.5	0.5	0.5	0.5
	Type	Direct	Direct	Direct	Direct
	Full Load Amps	3.9	3.9	2	2
² Maximum Overcurrent Protection	Unit Only	40	25	15	15
	with (1) 0.33 HP Power Exhaust	40	25	15	15
³ Minimum Circuit Ampacity	Unit Only	25	17	9	8
	with (1) 0.33 HP Power Exhaust	28	19	10	9

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W17	20W17	20W17	20W17
	Hinged Access	20W23	20W23	20W23	20W23

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL DATA**4 TON****KGB048S4D - STANDARD EFFICIENCY - DIRECT DRIVE BOWER**

¹ Voltage - 60hz		208/230V - 1 Ph	208/230V - 3 Ph	460V - 3 Ph	575V - 3 Ph
Compressor	Rated Load Amps	20	11	5.5	4.7
	Locked Rotor Amps	99	86	37	34
Outdoor Fan Motor	Full Load Amps	1.7	1.7	1.1	0.7
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4	2.4	1.3	1
Service Outlet 115V GFI (amps)		15	15	1.3	1
Indoor Blower Motor	Horsepower	0.5	0.5	0.5	0.5
	Type	Direct	Direct	Direct	Direct
	Full Load Amps	3.9	3.9	2	2
² Maximum Overcurrent Protection	Unit Only	50	30	15	15
	with (1) 0.33 HP Power Exhaust	50	30	15	15
³ Minimum Circuit Ampacity	Unit Only	31	20	10	9
	with (1) 0.33 HP Power Exhaust	33	22	12	10

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W17	20W17	20W17	20W17
	Hinged Access	20W23	20W23	20W23	20W23

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**ELECTRICAL DATA****5 TON****KGB060S4D - STANDARD EFFICIENCY - DIRECT DRIVE BOWER**

¹ Voltage - 60hz		208/230V - 1 Ph	208/230V - 3 Ph	460V - 3 Ph	575V - 3 Ph
Compressor	Rated Load Amps	22.1	13.5	8	5
	Locked Rotor Amps	125	109	59	40
Outdoor Fan Motor	Full Load Amps	2.4	2.4	1.3	1
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4	2.4	1.3	1
Service Outlet 115V GFI (amps)		15	15	15	20
Indoor Blower Motor	Horsepower	0.75	0.75	0.75	0.75
	Type	Direct	Direct	Direct	Direct
	Full Load Amps	4.9	4.9	2.5	2.5
² Maximum Overcurrent Protection	Unit Only	50	35	20	15
	with (1) 0.33 HP Power Exhaust	50	40	20	15
³ Minimum Circuit Ampacity	Unit Only	35	25	14	10
	with (1) 0.33 HP Power Exhaust	38	27	16	11

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20	20W20	20W20	20W20
	Hinged Access	20W26	20W26	20W26	20W26

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL DATA**3 TON****KGB036S4B - STANDARD EFFICIENCY - BELT DRIVE BLOWER (SINGLE SPEED)**

¹ Voltage - 60hz		208/230V - 1 Ph		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	15.3		8.7		4		3.6	
	Locked Rotor Amps	70		70		31		27	
Outdoor Fan Motor	Full Load Amps	1.7		1.7		1.1		0.7	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		15		20	
Indoor Blower Motor	Horsepower	0.75	1.5	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	7.6	11	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	40	45	25	25	15	15	15	15
	with (1) 0.33 HP Power Exhaust	45	45	25	30	15	15	15	15
³ Minimum Circuit Ampacity	Unit Only	29	32	18	21	9	10	7	8
	with (1) 0.33 HP Power Exhaust	31	35	20	23	10	11	8	9

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W17		20W17		20W17		20W17	
	Hinged Access	20W23		20W23		20W23		20W23	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**ELECTRICAL DATA****4 TON****KGB048S4B - STANDARD EFFICIENCY - BELT DRIVE BLOWER (SINGLE SPEED)**

¹ Voltage - 60hz		208/230V - 1 Ph		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	20		11		5.5		4.7	
	Locked Rotor Amps	99		86		37		34	
Outdoor Fan Motor	Full Load Amps	1.7		1.7		1.1		0.7	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		15		20	
Indoor Blower Motor	Horsepower	0.75	1.5	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	7.6	11	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	50	50	30	30	15	15	15	15
	with (1) 0.33 HP Power Exhaust	50	60	30	35	15	15	15	15
³ Minimum Circuit Ampacity	Unit Only	35	38	21	23	11	12	9	10
	with (1) 0.33 HP Power Exhaust	37	41	23	26	12	13	10	11

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W17		20W17		20W17		20W17	
	Hinged Access	20W23		20W23		20W23		20W23	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL DATA**5 TON****KGB060S4B - STANDARD EFFICIENCY - BELT DRIVE BLOWER (SINGLE SPEED)**

¹ Voltage - 60hz		208/230V - 1 Ph		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	22.1		13.5		8		5	
	Locked Rotor Amps	125		109		59		40	
Outdoor Fan Motor	Full Load Amps	2.4		2.4		1.3		1	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		15		20	
Indoor Blower Motor	Horsepower	0.75	1.5	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	7.6	11	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	50	60	35	40	20	20	15	15
	with (1) 0.33 HP Power Exhaust	60	60	35	40	20	20	15	15
³ Minimum Circuit Ampacity	Unit Only	38	42	24	27	14	15	9	10
	with (1) 0.33 HP Power Exhaust	41	44	27	30	15	16	10	11

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20		20W20		20W20		20W20	
	Hinged Access	20W26		20W26		20W26		20W26	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**ELECTRICAL DATA****6 TON****KGB072H4B - HIGH EFFICIENCY - BELT DRIVE BLOWER (SINGLE SPEED)**

¹ Voltage - 60hz		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	19.6		8.2		6.6	
	Locked Rotor Amps	136		66.1		55.3	
Outdoor Fan Motor	Full Load Amps	2.4		1.3		1	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		20	
Indoor Blower Motor	Horsepower	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	50	50	20	20	15	15
	with (1) 0.33 HP Power Exhaust	50	50	20	20	15	15
³ Minimum Circuit Ampacity	Unit Only	32	32	13	14	10	11
	with (1) 0.33 HP Power Exhaust	34	35	14	15	11	12

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20		20W20		20W20	
	Hinged Access	20W26		20W26		20W26	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL DATA**6 TON****KGB074S4B / KGB074S4T - STANDARD EFFICIENCY - BELT DRIVE BLOWER (SINGLE OR TWO SPEED)**

¹ Voltage - 60hz		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	17.6		8.5		6.3	
	Locked Rotor Amps	136		66.1		55.3	
Outdoor Fan Motor	Full Load Amps	2.4		1.3		1	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		20	
Indoor Blower Motor	Horsepower	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	45	45	20	20	15	15
	with (1) 0.33 HP Power Exhaust	45	50	20	25	15	15
³ Minimum Circuit Ampacity	Unit Only	29	32	15	16	11	12
	with (1) 0.33 HP Power Exhaust	32	35	16	17	12	13

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20		20W20		20W20	
	Hinged Access	20W26		20W26		20W26	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.**ELECTRICAL DATA****6 TON****KGB074H4T - HIGH EFFICIENCY - BELT DRIVE BLOWER (TWO SPEED)**

¹ Voltage - 60hz		208/230V - 3 Ph		460V - 3 Ph		575V - 3 Ph	
Compressor	Rated Load Amps	17.6		8.5		6.3	
	Locked Rotor Amps	136		66.1		55.3	
Outdoor Fan Motor	Full Load Amps	2.4		1.3		1	
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		1.3		1	
Service Outlet 115V GFI (amps)		15		15		20	
Indoor Blower Motor	Horsepower	1	2	1	2	1	2
	Type	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	4.6	7.5	2.1	3.4	1.7	2.7
² Maximum Overcurrent Protection	Unit Only	45	45	20	20	15	15
	with (1) 0.33 HP Power Exhaust	45	50	20	25	15	15
³ Minimum Circuit Ampacity	Unit Only	29	32	15	16	11	12
	with (1) 0.33 HP Power Exhaust	32	35	16	17	12	13

ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20		20W20		20W20	
	Hinged Access	20W26		20W26		20W26	

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

ELECTRICAL/ELECTRIC HEAT DATA**7.5 TON****KGB090S4B STANDARD EFFICIENCY - BELT DRIVE BLOWER (SINGLE SPEED)**

¹ Voltage - 60hz		208/230V - 3 Ph			460V - 3 Ph			575V - 3 Ph		
Compressor	Rated Load Amps	26.9			12			9		
	Locked Rotor Amps	164			94			65		
Outdoor Fan Motor	Full Load Amps	3			1.5			1.2		
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4			1.3			1		
Service Outlet 115V GFI (amps)		15			15			20		
Indoor Blower Motor	Horsepower	1	2	3	1	2	3	1	2	3
	Type	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt
	Full Load Amps	4.6	7.5	10.6	2.1	3.4	4.8	1.7	2.7	3.9
² Maximum Overcurrent Protection	Unit Only	60	70	70	30	30	30	20	20	25
	with (1) 0.33 HP Power Exhaust	70	70	70	30	30	30	20	25	25
³ Minimum Circuit Ampacity	Unit Only	42	45	48	19	20	22	15	16	17
	with (1) 0.33 HP Power Exhaust	44	47	50	20	22	23	16	17	18

ELECTRICAL ACCESSORIES

Disconnect	Standard Access - 0-22.5 kW	20W18	20W18	20W18	20W18	20W18
		30 kW	20W19	20W19	20W19	20W18
	Hinged Access - 0-22.5 kW	20W24	20W24	20W24	20W24	20W24
		30 kW	20W25	20W25	20W25	20W24

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.⁴ Factory installed circuit breaker not available.**ELECTRICAL/ELECTRIC HEAT DATA****7.5 TON****KGB090S4T STANDARD EFFICIENCY - BELT DRIVE BLOWER (TWO SPEED)**

¹ Voltage - 60hz		208/230V - 3 Ph		460V - 3 Ph	575V - 3 Ph
Compressor	Rated Load Amps	26.9		12	9
	Locked Rotor Amps	164		94	65
Outdoor Fan Motor	Full Load Amps	3		1.5	1.2
Power Exhaust (1) 0.33 HP	Full Load Amps	2.4		1.3	1
Service Outlet 115V GFI (amps)		15		15	20
Indoor Blower Motor	Horsepower	2		2	2
	Type	Belt		Belt	Belt
	Full Load Amps	7.5		3.4	2.7
² Maximum Overcurrent Protection	Unit Only	70		30	20
	with (1) 0.33 HP Power Exhaust	70		30	25
³ Minimum Circuit Ampacity	Unit Only	45		20	16
	with (1) 0.33 HP Power Exhaust	47		22	17

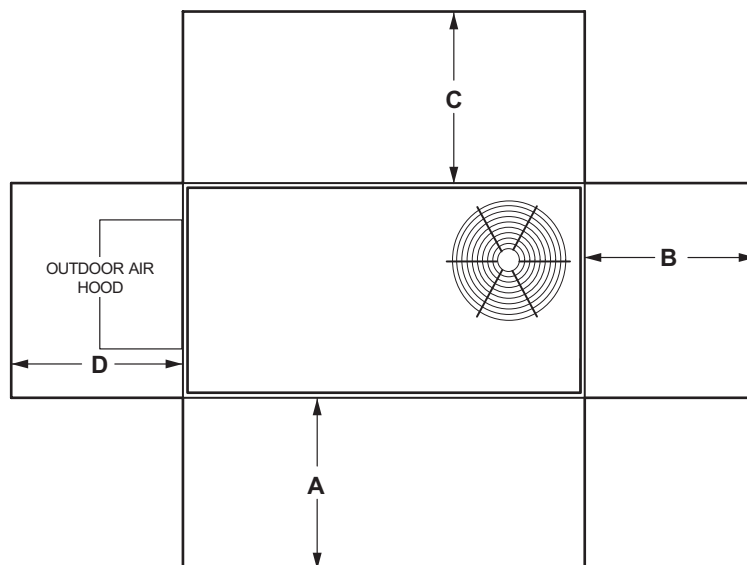
ELECTRICAL ACCESSORIES

Disconnect	Standard Access	20W20	20W20	20W20
	Hinged Access	20W26	20W26	20W26

NOTE - All units have a minimum Short Circuit Current Rating (SCCR) of 5000 amps.

¹ Extremes of operating range are plus and minus 10% of line voltage.² HACR type breaker or fuse.³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

UNIT CLEARANCES - INCHES (MM)



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	914	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	36	914	36	914	36	914	36	914	

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ **Service Clearance** - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.

OPTIONAL CONVENTIONAL TEMPERATURE CONTROL SYSTEMS

Item		Model No.	Catalog No.
7-DAY PROGRAMMABLE THERMOSTAT - BACNET COMPATIBLE WITH REHEAT FUNCTION			
 • For units with or without ¹ Dehumidification Option • BTL listed MS/TP ensures compatibility with any BACnet system • Built-in control programs for conventional and heat pump applications • Conventional systems up to 3-stage heat and 3-stage cool • Heat pumps with 1 or 2 compressors and up to 2-stage auxiliary heat • On-board temperature and humidity sensor • Multiple configurable inputs and outputs enable advanced control strategies • Set-up Wizard enables rapid system configuration • No special tools required for installation or commissioning • Seven-day (2, 4 or 6 event) occupancy scheduling per day • Backlit 5-inch LCD touchscreen		---	Y8241
	¹ BACnet Thermostat (Y8241) will control units with and without dehumidification. If there is a mix of units equipped with and without dehumidification on the same site, this thermostat can be used for all units if desired.		
BACnet Controls (no reheat capability)	BACnet® Module (factory or field installed)	K0CTRL31A-2	16X70
	BACnet® Room Sensor with Display (field installed)	K0SNSR01FF1	97W23
	BACnet® Room Sensor without Display (field installed)	K0SNSR00FF1	97W24
Optional Accessories	Plenum Cable (RJ45/CAT5 75 ft.)	K0MISC00FF1	97W25

WEIGHT DATA

Model Number	Net				Shipping			
	Base		Max.		Base		Max.	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
KGB024	530	240	640	290	571	259	681	309
KGB030	533	242	643	292	574	260	684	310
KGB036	555	252	701	318	596	270	742	337
KGB048	555	252	716	325	596	270	757	343
KGB060	649	294	813	369	690	313	854	387
KGB072, 074	649	294	813	369	690	313	854	387
KGB090	783	355	883	401	843	382	953	432

Base Unit - The unit with standard heat exchanger NO OPTIONS.

Max. Unit - The unit with ALL OPTIONS Installed. (High Input Heat Exchanger, Economizer, etc.)

OPTIONS / ACCESSORIES

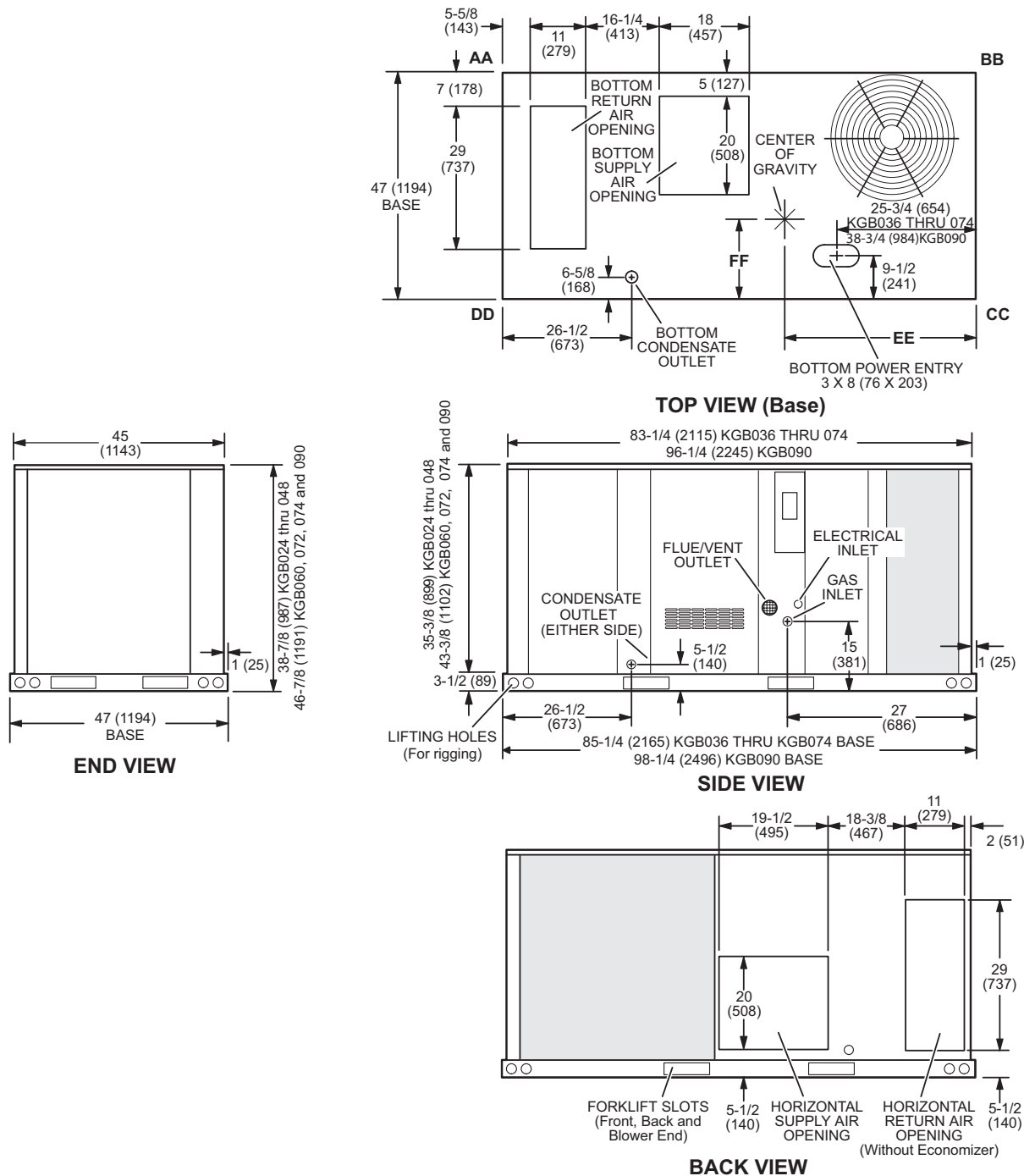
		Shipping Weights	
		lbs.	kg
ECONOMIZER / OUTDOOR AIR / EXHAUST			
Economizer			
Economizer - Includes Barometric Relief Dampers and Exhaust Hood		131	59
Outdoor Air Dampers			
Motorized		40	18
Manual		30	14
Power Exhaust			
Standard Static		35	16
GAS HEAT			
Medium Heat (adder over standard heat)		8	4
High Heat (adder over standard heat)		19	9
ROOF CURBS			
Hybrid Roof Curbs, Downflow			
8 in. height		50	23
14 in. height		70	32
18 in. height		80	36
24 in. height		100	45
Hybrid Roof Curbs, Full Perimeter, Downflow			
8 in. height		57	26
14 in. height		60	27
18 in. height		91	41
24 in. height		114	52
Adjustable Pitch Curb, Downflow			
14 in. height		113	51
CEILING DIFFUSERS			
Step-Down	RTD9-65S	80	36
	RTD11-95S	118	54
Flush	FD9-65S	80	36
	FD11-95S	118	54
Transitions (Supply and Return)	T1TRAN10AN1	22	10
	T1TRAN20N-1	21	10

DIMENSIONS - UNIT - INCHES (MM)

Model No.	CORNER WEIGHTS								CENTER OF GRAVITY							
	AA		BB		CC		DD		EE		FF					
	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg	in.	mm	in.	mm	in.	mm
024	107	49	129	59	124	56	132	60	160	73	170	77	138	63	208	95
030	108	49	130	59	125	57	132	60	161	73	171	78	139	63	209	95
036	112	51	142	64	130	59	141	64	168	76	190	86	145	66	228	104
048	112	51	145	66	130	59	144	65	168	76	194	88	145	66	233	106
060	130	59	162	74	147	67	167	76	198	90	226	103	175	79	257	117
072	130	59	162	74	147	67	167	76	198	90	226	103	175	79	257	117
074	130	59	162	74	147	67	167	76	198	90	226	103	175	79	257	117
090	168	76	195	88	183	83	212	96	227	103	263	119	203	95	241	109

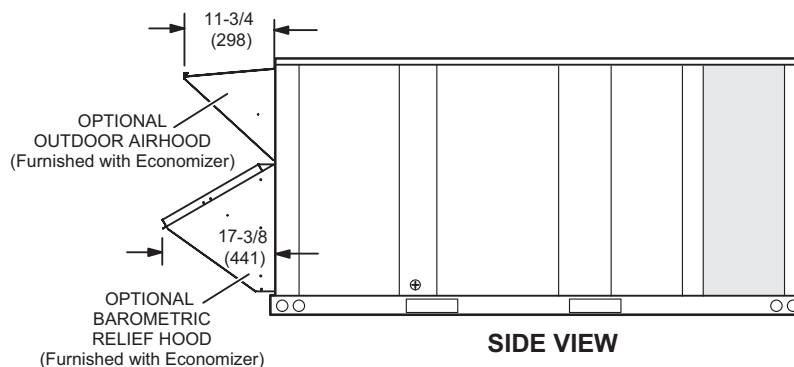
Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS Installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.

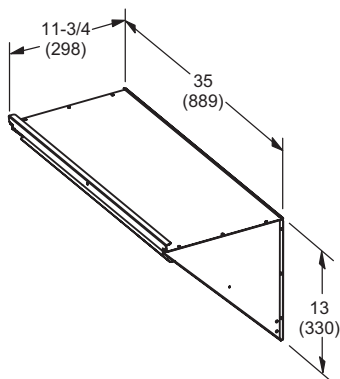


DIMENSIONS - ACCESSORIES - INCHES (MM)

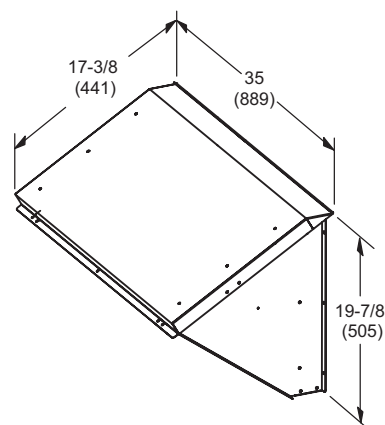
OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Downflow Applications)



OUTDOOR AIR HOOD FOR ECONOMIZER (Furnished)

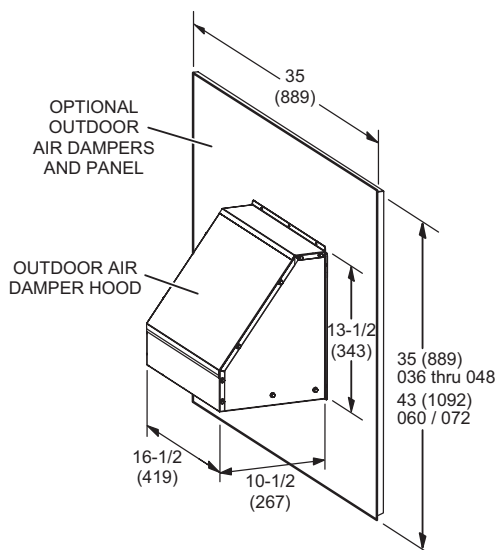
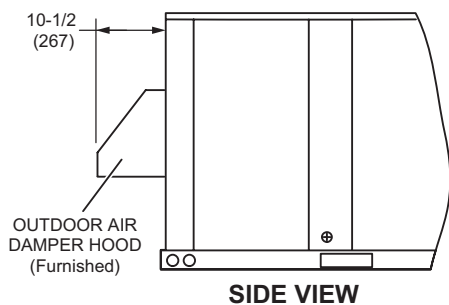


BAROMETRIC RELIEF HOOD FOR ECONOMIZER (Furnished)

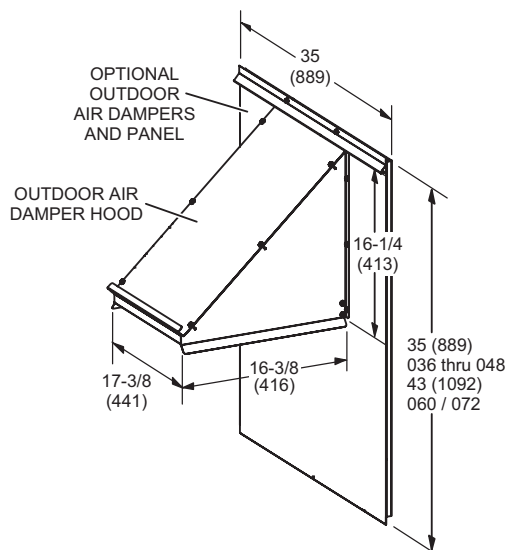
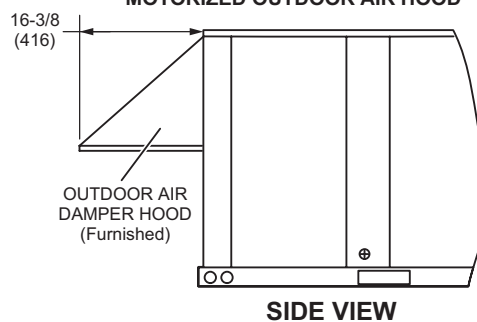


OUTDOOR AIR DAMPER HOOD DETAIL (Downflow or Horizontal Applications)

MANUAL OUTDOOR AIR HOOD

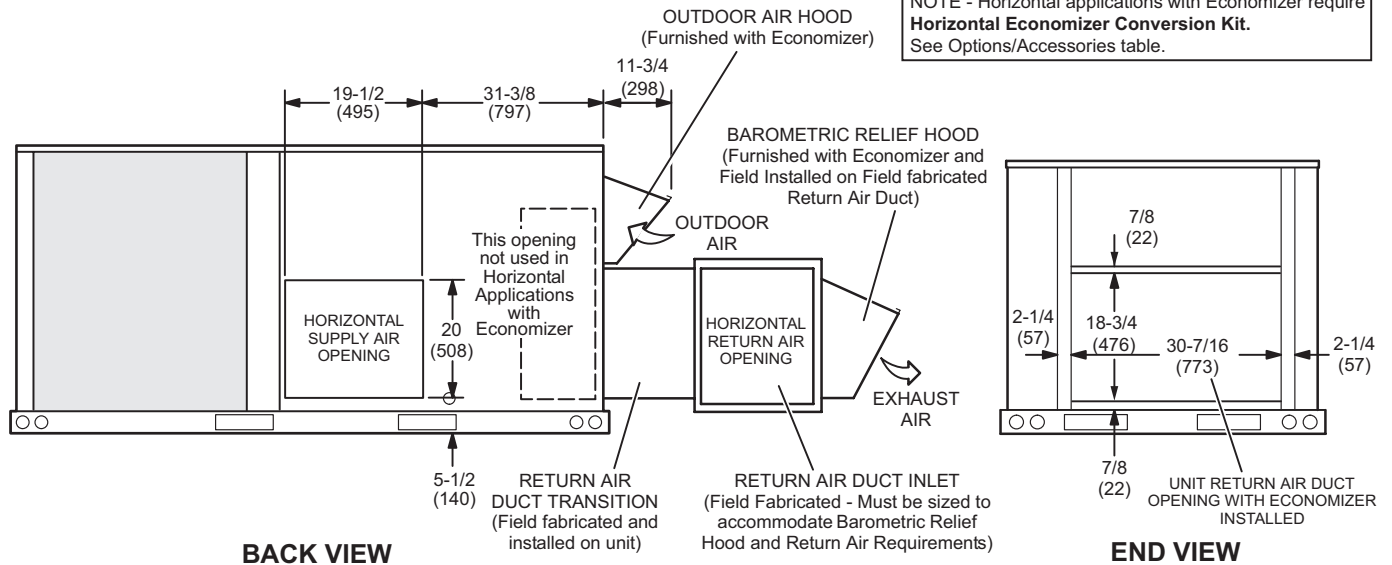
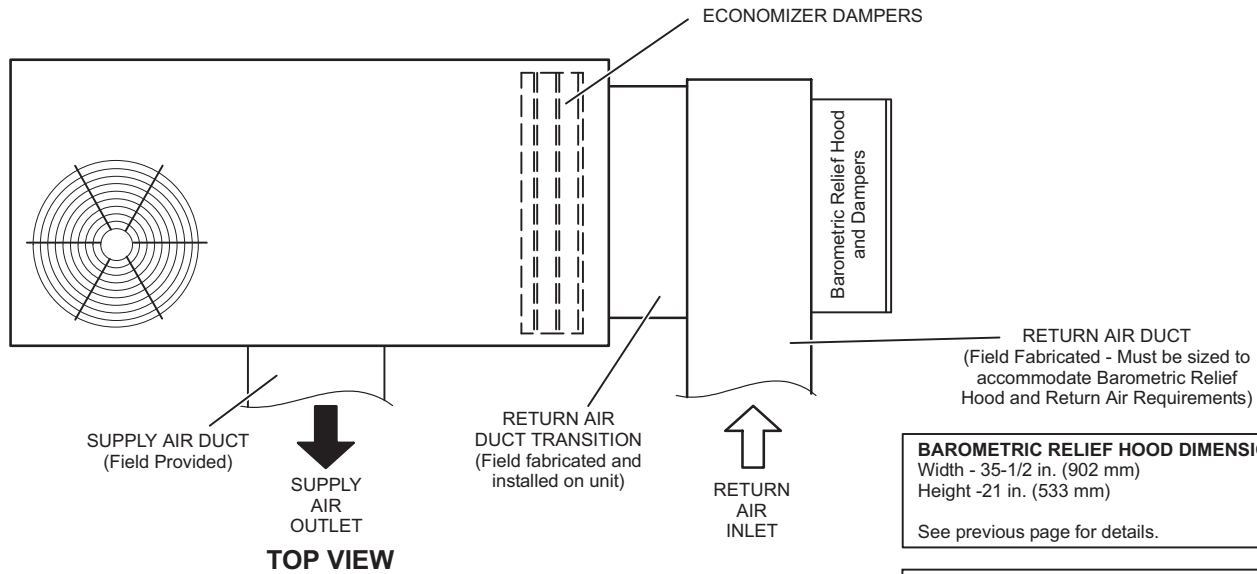


MOTORIZED OUTDOOR AIR HOOD



DIMENSIONS - ACCESSORIES - INCHES (MM)

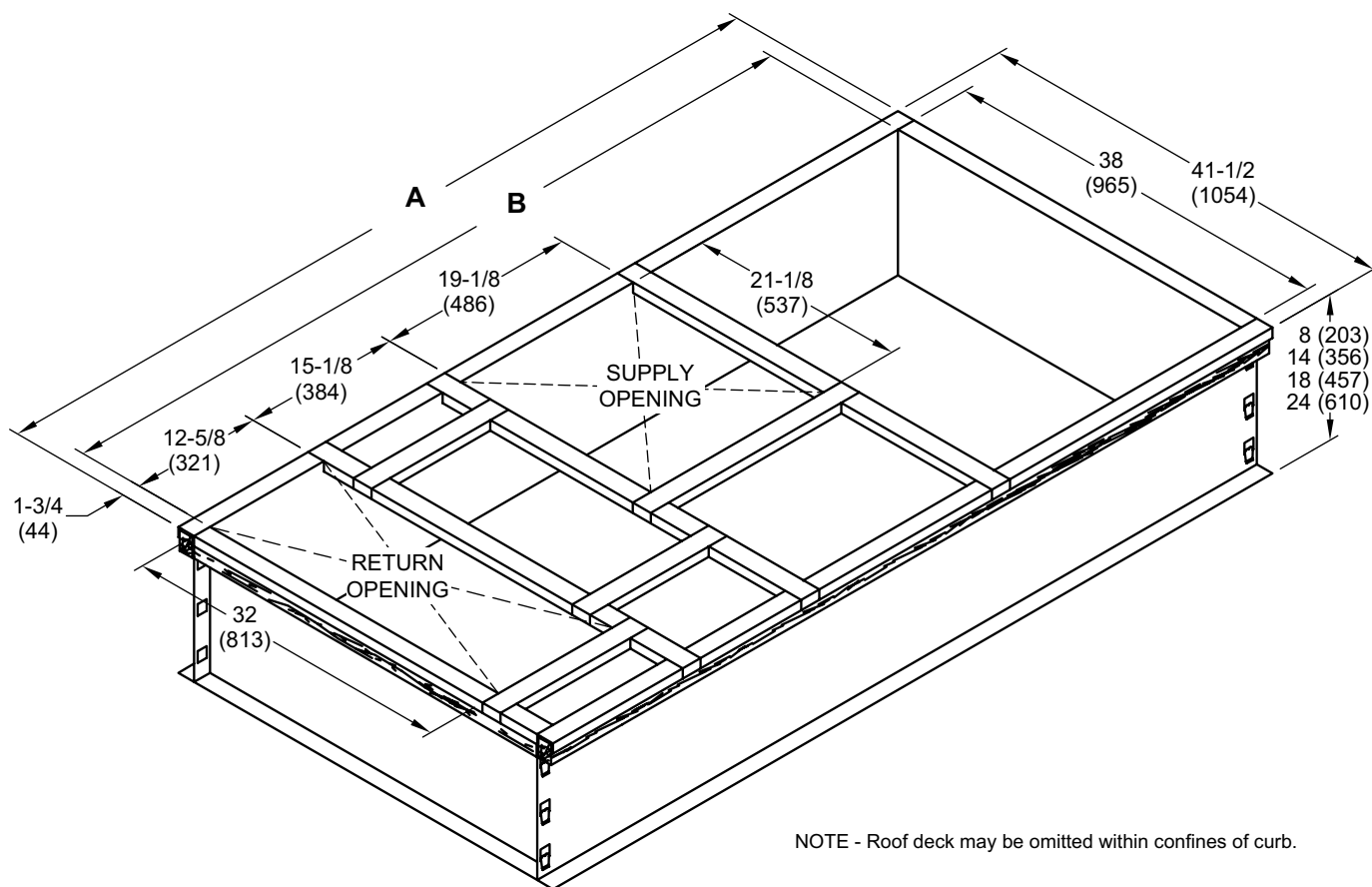
OUTDOOR AIR HOOD DETAIL WITH OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Horizontal Applications)



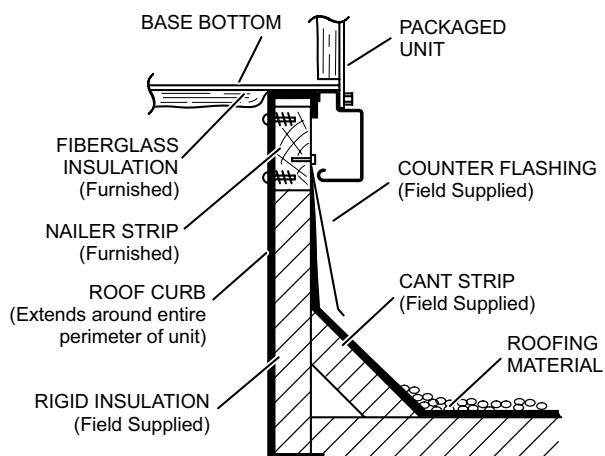
NOTE - Return Air Duct and Transition must be supported.

DIMENSIONS - ACCESSORIES - INCHES (MM)

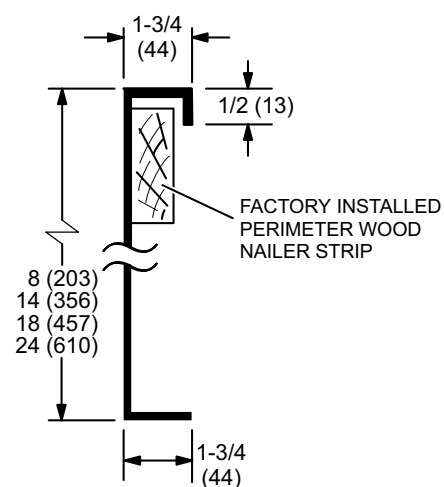
HYBRID ROOF CURBS - DOUBLE DUCT OPENING - STANDARD AND FULL PERIMETER



TYPICAL FLASHING DETAIL FOR ROOF CURB



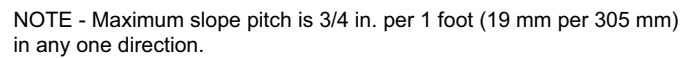
DETAIL ROOF CURB



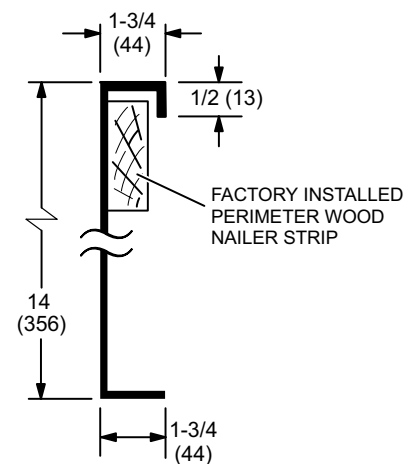
Model No.	A		B	
	in.	mm	in.	mm
Standard - 036, 048, 060, 072, 074 ¹ 090	79-3/4	2026	76-1/4	1937
Full Perimeter - 090	92-3/4	2356	89-1/4	2267

¹ 090 models can be used on smaller 79-3/4 in. (2026 mm) roof curbs (not full perimeter) with 15-3/4 in. (400 mm) overhang at condenser end of unit. See dimension drawing on page 53

ADJUSTABLE PITCH CURBS - DOUBLE DUCT OPENING

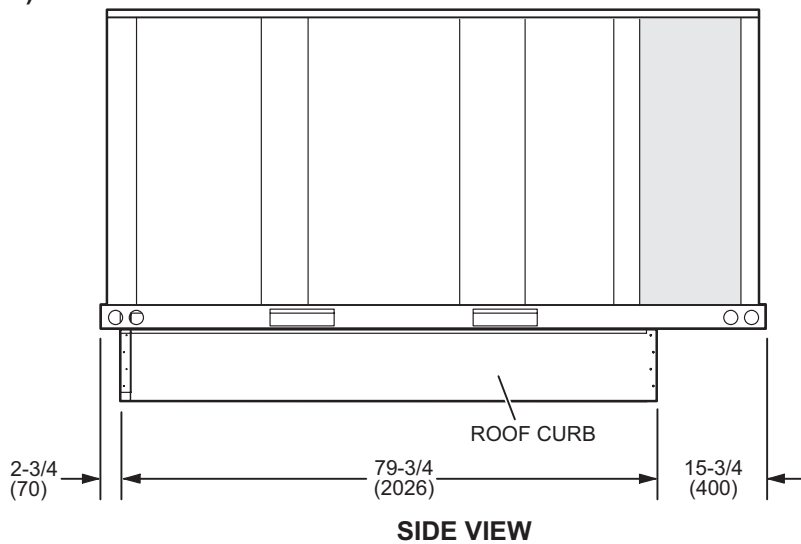


DETAIL ROOF CURB

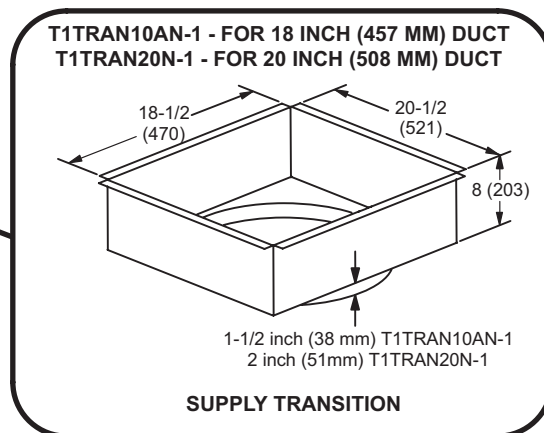
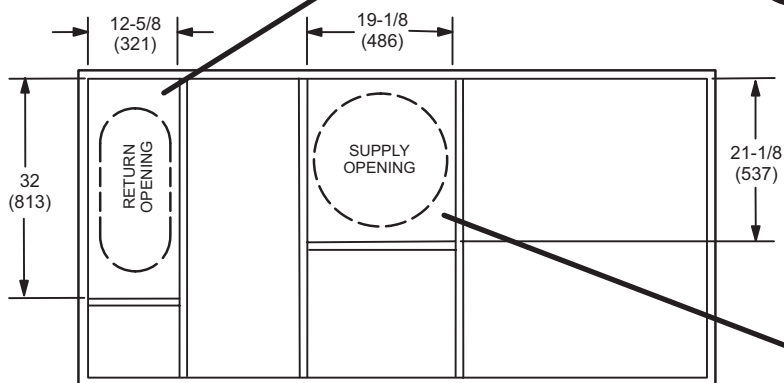
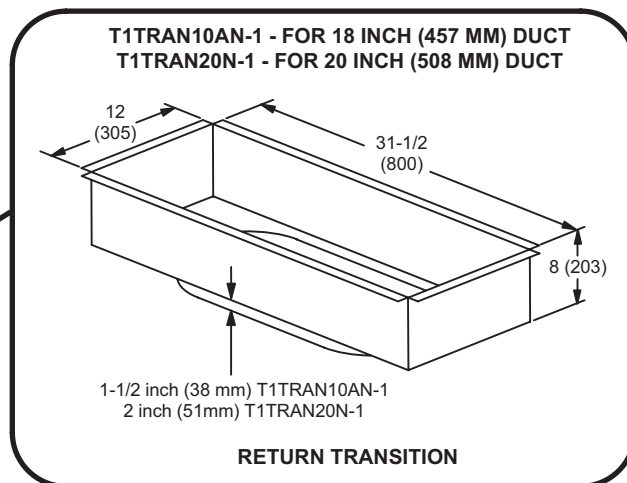


DIMENSIONS - ACCESSORIES - INCHES (MM)

090 MODELS - SHOWING OVERHANG ON SMALLER 79-3/4 INCH LENGTH ROOF CURBS
(Not Full Perimeter)



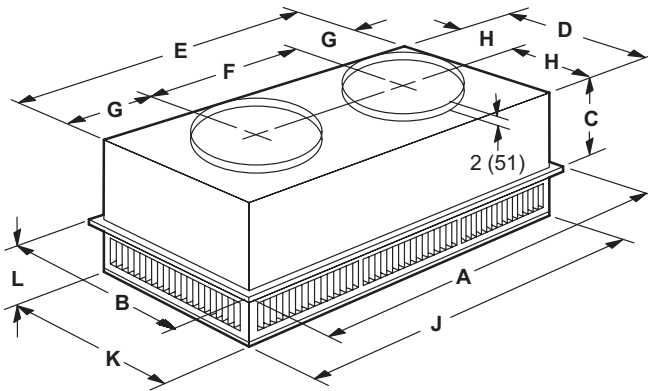
TRANSITIONS



DIMENSIONS - ACCESSORIES - INCHES (MM)

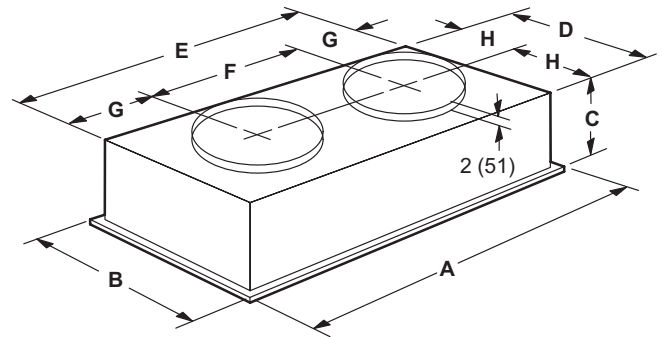
COMBINATION CEILING SUPPLY AND RETURN DIFFUSERS

STEP-DOWN CEILING DIFFUSER



Model Number		RTD9-65S	RTD11-95S
A	in.	47-5/8	47-5/8
	mm	1159	1159
B	in.	23-5/8	29-5/8
	mm	600	752
C	in.	11-3/8	14-3/8
	mm	289	365
D	in.	21-1/2	27-1/2
	mm	546	699
E	in.	45-1/2	45-1/2
	mm	1156	1158
F	in.	22-1/2	22-1/2
	mm	572	572
G	in.	11-1/2	11-1/2
	mm	292	292
H	in.	10-3/4	13-3/4
	mm	273	349
J	in.	45-1/2	45-1/2
	mm	1156	1156
K	in.	21-1/2	27-1/2
	mm	546	699
L	in.	7-1/8	8-1/8
	mm	181	206
Duct Size	in.	18 round	20 round
	mm	457 round	508 round

FLUSH CEILING DIFFUSER



Model Number		FD9-65S	FD11-95S
A	in.	47-5/8	47-5/8
	mm	1159	1159
B	in.	23-5/8	29-5/8
	mm	600	752
C	in.	13-1/2	16-5/8
	mm	343	422
D	in.	21	27
	mm	533	686
E	in.	45	45
	mm	1143	1143
F	in.	22-1/2	22-1/2
	mm	572	572
G	in.	11-1/4	11-1/4
	mm	286	286
H	in.	10-1/2	13-1/2
	mm	267	343
Duct Size	in.	18 round	20 round
	mm	457 round	508 round

REVISIONS

Section	Description
Approvals	Added statements about South Coast Air Quality Management District (SCAQMD) and San Joaquin Valley Air Pollution Control District (SJVAPCD) rules for gas units with more than 14 ng/J ratings.
Optional Conventional Temperature Control Systems	Added new BACnet Compatible Programmable Thermostat With Reheat Function.
Options/Accessories	Removed Novar 2051 Control option. Removed UVC Light option.



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