



**PRODUCT SPECIFICATIONS**

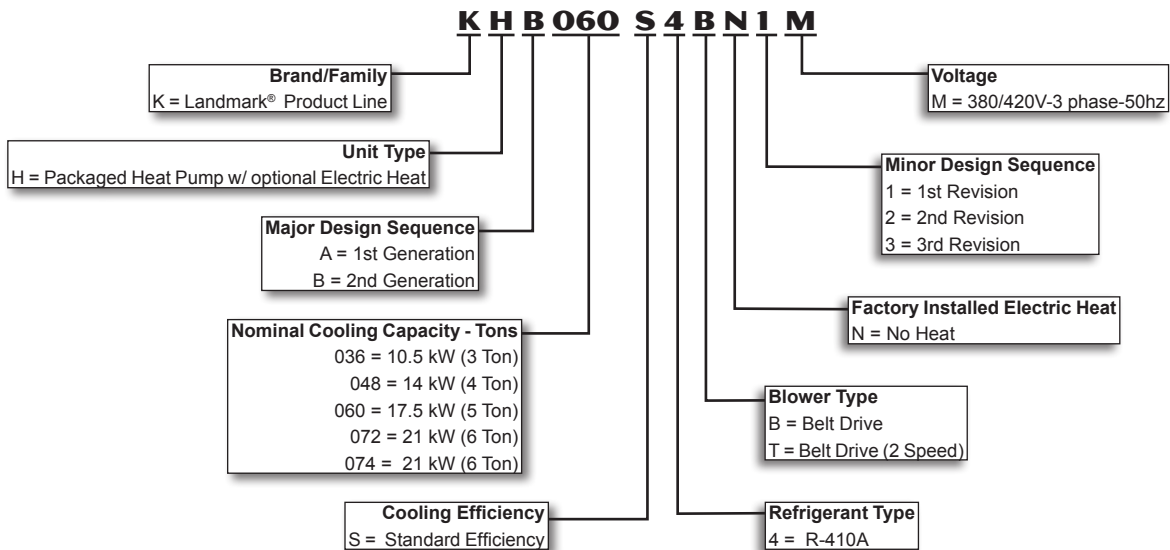
Bulletin No. 490166  
August 2016  
Supersedes April 2016

**LANDMARK®**  
Performance Marked by Flexibility™

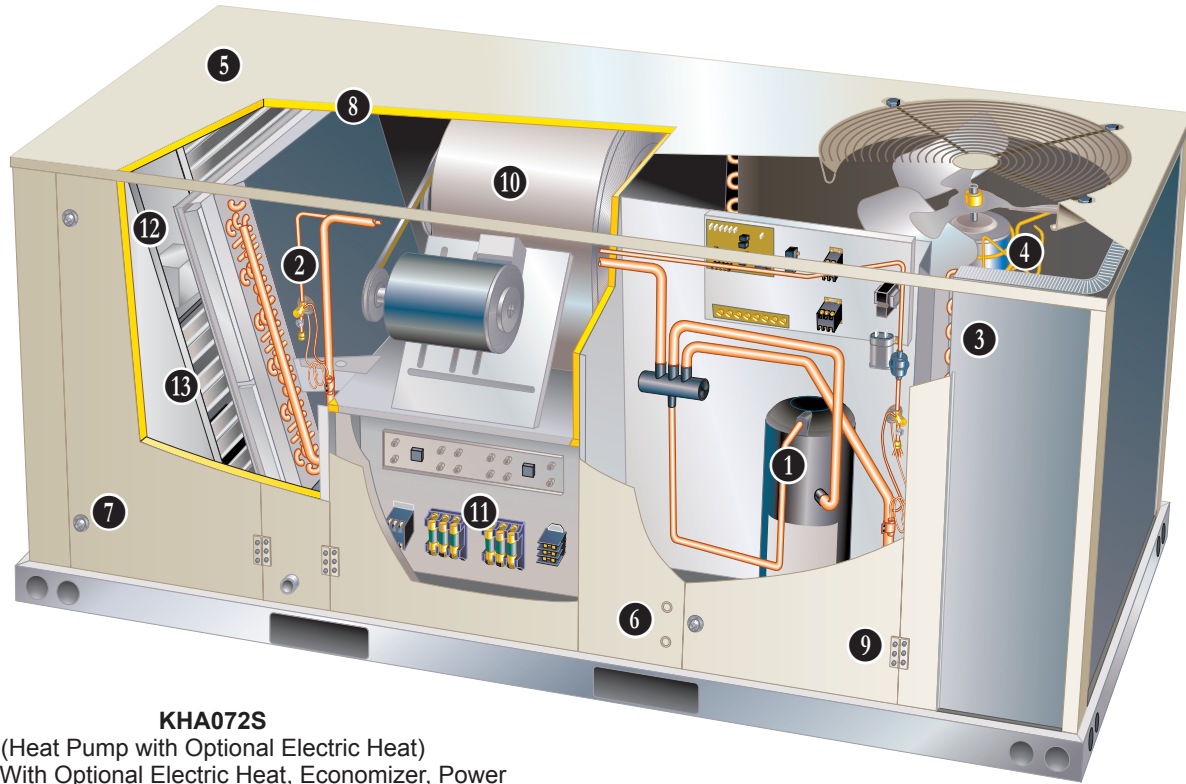


**10.5 to 21 kW (3 to 6 Tons)**  
**Net Cooling Capacity - 8.9 to 17.4 kW (30 300 to 59 300 Btuh)**  
**Net Heating Capacity - 9.2 to 18.4 kW (31 500 to 63 000 Btuh)**  
**Optional Electric Heat - 5.7 to 23 kW**

**MODEL NUMBER IDENTIFICATION**



## FEATURES AND BENEFITS



### KHA072S

(Heat Pump with Optional Electric Heat)  
Shown With Optional Electric Heat, Economizer, Power  
Exhaust and Hinged Access Panels

Landmark® rooftop units from Lennox are the new standard for reliable, efficient rooftop units built for long-lasting performance that can significantly improve indoor environments. Landmark rooftop units feature:

- **R-410A Refrigerant** - Environmentally friendly.
- **Single Speed Scroll Compressor** - Furnished on all KHA and KHB036 through 072 models.
- **Two-Stage Scroll Compressor** - Furnished on all KHB074 models. Allows rooftop units to deliver just the necessary amount of cooling needed to meet the space's demand.
- **High Pressure Switches** - Protect compressor.
- **Isolated Compressor Compartment** - Allows performance check during normal compressor operation without disrupting airflow.
- **Belt Drive Blower Motors** - Belt drive motors 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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### TESTING

Components bonded for grounding to meet safety standards for servicing required by Underwriters Laboratories (UL) and the International Electrotechnical Commission (IEC).

10.5 through 17.5 kW models cooling performance is rated at test conditions included in Air-Conditioning, Heating and Refrigeration Institute (AHRI) Standard 210/240-2008 while operating at rated voltage and air volumes.

21.0 kW models cooling performance is rated at test conditions included in Air-Conditioning, Heating and Refrigeration Institute (AHRI) Standard 340/360-2007 while operating at rated voltage and air volumes.

International Organization for Standardization (ISO) 9001 Registered Manufacturing Quality System.

### CE MARK OPTION

The CE mark has been added to our rooftop product line as a configure to order (CTO) option. This optional construction allows units to be sold into countries requiring CE marking for rooftop products.



CE marked units meet the requirements of the Machinery Directive 2006/42/EC, Low Voltage Directive 73/23/EEC, EMC Directive 89/336/EEC, and Gas Directive 90/396/EEC. Declaration of conformity certificates will be provided for each CE marked unit on demand.

Key features of this option over and above standard product features are

- Touch-proof electrical components meeting the requirements of EN 60529.
- Branch circuits over 0.5 kW load have overcurrent protection.
- Rotary style/finger safe disconnect switch with locking handle prevents disconnect door from being opened with the power on. Padlock can be applied to lock the disconnect switch in the OFF position.
- The factory wiring has been redesigned for separation of high and low voltage circuits.

### COOLING SYSTEM

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

System can operate from in the cooling mode from -1°C to 52°C without any additional controls.

#### R-410A Refrigerant

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



Unit pre-charged with refrigerant. See Specification table.

#### 1 Single Speed Scroll Compressor (036 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 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.

#### 2 Check/Thermal Expansion Valve

Assures optimal performance throughout the application range.

Removable element head.

#### High Pressure Switch

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

#### Reversing Valves

4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa.

## FEATURES AND BENEFITS

### COOLING SYSTEM

#### (continued)

#### Defrost Control

Provides a defrost cycle, if needed, every 30 or 60 or 90 minutes (adjustable) of compressor on" time at outdoor coil temperature below 2°C. Temperature switch mounted on outdoor coil liquid line terminates defrost cycle.

#### Filter/Drier

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

#### Freezestat

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

### 3 Coil Construction

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

#### Indoor Coil

Cross row circuiting with rifled copper tubing optimizes both sensible and latent cooling capacity.

#### Condensate Drain Pan

Plastic pan, sloped to meet drainage requirements of American Society of Heating Refrigeration and Air Conditioning Engineers 62.1.

Side or bottom drain connections.

Reversible to allow connection at back of unit.

### 4 Outdoor Coil Fan Motor

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

#### Outdoor Coil Fan

Polyvinyl chloride (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 polyvinyl chloride (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 -18°C.

### CABINET

### 5 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.

#### Air-Flow Choice

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

### 6 Power Entry

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

### 7 Exterior Panels

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

### 8 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 - KHA060/072 and KHB048/060/074 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 electrodeposited 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

### 9 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.

## 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.

##### **Thermostats**

Control system and thermostat options, see page 27.

Aftermarket unit controller options, see Options/Accessories table.

### **10 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.

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 models in several different sizes to maximize air performance.

#### **Supply Air Blower**

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

Motors have adjustable pulley for speed change.

#### **Ordering Information**

Specify drive kit number when base unit is ordered.

### **Required Selections**

#### **Supply Air Blower**

Order one drive kit, see Drive Kit Specifications Table.

### **INDOOR AIR QUALITY**

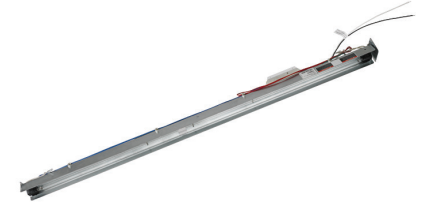
#### **Air Filters**

Disposable 51 mm filters furnished as standard.

### **Options / Accessories**

#### **Field Installed**

##### **Healthy Climate® UVC Germicidal Lamps**



Helps eliminate mold and bacterial growth on the evaporator and drain pans. Improves indoor air quality and maintains efficiency of system by reducing fouling of evaporator coil.

##### **Indoor Air Quality (CO<sub>2</sub>) Sensor**

Monitors CO<sub>2</sub> levels adjusts economizer dampers as needed for Demand Control Ventilation.

### **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.

#### **Unit Sub-Fuse Blocks**

Furnished as standard on all units.

### **Required Selections**

#### **Voltage Choice**

Specify when ordering base unit.

### **Options / Accessories**

#### **Field Installed**

### **11 Electric Heat**

Electric Heat is CE marked.

Helix wound nichrome elements, individual element limit controls, wiring harness. Unit fuse block is furnished as standard.

**ECONOMIZER OPTIONS**

**Factory or Field Installed**

**12 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 CO<sub>2</sub> 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**

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 13°C when CO<sub>2</sub> is higher than the CO<sub>2</sub> 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 13°C.*

**High Performance Economizer Features**

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.

**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, CO<sub>2</sub> settings, stage 3 delay and additional calibration settings)
- CHECKOUT (damper positions)
- ALARMS (output signal that can be configured for remote alarm monitoring)

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

## OPTIONS / ACCESSORIES

### **ECONOMIZER OPTIONS** **(continued)**

#### **Factory or Field Installed**

##### **Single Enthalpy Temperature Control**

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

#### **Field Installed**

##### **Differential Enthalpy Control**

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 OPTION**

#### **Field Installed**

##### **13 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 406 mm diameter with 4 fan blades and a 0.25 kW motor.

*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**

Linked mechanical dampers, 0 to 35% (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: 38°C.

Outdoor Air Hood is furnished.

### **ROOF CURBS**

Nailer strip furnished, mates to unit, U.S. 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 203, 356, 457, and 610 mm heights.

##### **Full Perimeter Curbs, Downflow (072 and 074 Models Only)**

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

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

Available in 203, 356, 457, and 610 mm heights.

*NOTE - 072 and 074 models can be used on smaller 2026 mm Hybrid Roof Curbs (not full perimeter) with 400 mm overhang at condenser end of unit. See dimension drawing on page 47.*

#### **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 19 mm per 300 mm 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 356 mm 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 - KHA/KHB

Item	Model No.	Catalog No.	Unit Model Number				
			KHA KHB 036	KHA KHB 048	KHA KHB 060	KHA 072	KHB 074
<b>CE MARK</b>							
CE Marked Unit			O	O	O	O	O
<b>COOLING SYSTEM</b>							
Condensate Drain Trap	Polyvinyl Chloride (PVC) - C1TRAP20AD2	<b>76W26</b>	X	X	X	X	O
	Copper - C1TRAP10AD2	<b>76W27</b>	X	X	X	X	X
Drain Pan Overflow Switch	K1SNSR71AB1-	<b>74W42</b>	X	X	X	X	X
Low Ambient Kit	K1SNSR13A-2	<b>14D96</b>	X	X	X	X	X
Efficiency	Standard		O	O	O	O	O
Refrigerant Type	R-410A		O	O	O	O	O
<b>BLOWER - SUPPLY AIR</b>							
Motor	Belt Drive - 1.5 kW Standard Efficiency	Factory	O	O	O	O	
	Belt Drive - 1.5 kW (2 Speed)	Factory					O
Drive Kits See Blower Data Tables for selection	Kit A01 - T1DRKT001-1 - 561 - 842 rev/min	Factory	O				
	Kit A02 - T1DRKT002-1 - 621 - 931 rev/min	Factory		O			
	Kit A03 - T1DRKT003-1 - 694 - 1042 rev/min	Factory			O		
	Kit A04 - T1DRKT004-1 - 807 - 1117 rev/min	Factory				O	O
	Kit A05 - T1DRKT005-1 - 748 - 1122 rev/min	Factory	O				
	Kit A06 - T1DRKT006-1 - 893 - 1191 rev/min	Factory		O			O
	Kit A07 - T1DRKT007-1 - 1010 - 1290 rev/min	Factory			O		
	Kit A08 - T1DRKT008-1 - 994 - 1326 rev/min	Factory				O	O
	Kit A09 - T1DRKT009-1 - 1193 - 1524 rev/min	Factory				O	
<b>CABINET</b>							
Corrosion Protection	Factory		O	O	O	O	O
Hinged Access Panels	Factory		O	O	O	O	O
<b>CONTROLS</b>							
BACnet® Thermostat with Display	K0SNSR01FF1	<b>97W23</b>	X	X	X	X	X
BACnet® Thermostat without Display	K0SNSR00FF1	<b>97W24</b>	X	X	X	X	X
Plenum Cable - 23 m	K0MISC00FF1	<b>97W25</b>	X	X	X	X	X
Smoke Detector - Supply or Return (Power board and one sensor)	C1SNSR44AP1	<b>53W78</b>	X	X	X	X	X
Smoke Detector - Supply and Return (Power board and two sensors)	C1SNSR43AP1	<b>53W79</b>	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.



## OPTIONS / ACCESSORIES - KHA/KHB

Item	Model No.	Catalog No.	Unit Model Number				
			KHA KHB 036	KHA KHB 048	KHA KHB 060	KHA 072	KHB 074
<b>ECONOMIZER</b>							
<b>Standard Economizer With Outdoor Air Hood (Sensible Control)</b>							
Standard Economizer - Includes Barometric Relief Dampers and Exhaust Hood	K1ECON30A-3-	14D90	OX	OX	OX	OX	OX
Economizer - No Exhaust		Factory	O	O	O	O	O
<b>Standard Economizer Controls</b>							
Single Enthalpy Control	C1SNSR64FF1	53W64	OX	OX	OX	OX	OX
Differential Enthalpy Control (order 2)	C1SNSR64FF1	53W64	X	X	X	X	X
<b>High Performance Economizer With Outdoor Air Hood (Sensible Control)</b>							
High Performance Economizer - Includes Barometric Relief Dampers and Exhaust Hood	K1ECON32A-2	14D91	OX	OX	OX	OX	OX
High Performance Economizer - No Exhaust		Factory	O	O	O	O	O
<b>High Performance Economizer Controls</b>							
Single Enthalpy Control	C1SNSR60FF1	10Z75	OX	OX	OX	OX	OX
Differential Enthalpy Control (order 2)	C1SNSR60FF1	10Z75	X	X	X	X	X
<b>Economizer Accessories</b>							
Horizontal Economizer Conversion Kit	T1HECK00AN1	17W45	X	X	X	X	X
<b>OUTDOOR AIR</b>							
<b>Outdoor Air Dampers - Includes Outdoor Air Hood</b>							
Manual	C1DAMP11A-1	53W34	OX	OX	OX	OX	OX
Motorized	K1DAMP21A-1	79W95	OX	OX	OX	OX	OX
<b>POWER EXHAUST FAN</b>							
Standard Static <i>NOTE - Order Barometric Relief Dampers with Exhaust Hood below if unit is ordered with factory installed Economizer with "No Exhaust" option</i>	380/420V-3ph - C1PWRE10A-1M	79W93	X	X	X	X	X
<b><sup>1</sup> BAROMETRIC RELIEF</b>							
Barometric Relief Dampers with Exhaust Hood	C1DAMP50A-1-	74W38	X	X	X	X	X
<b>ELECTRICAL</b>							
Voltage 50 hz with neutral (No neutral on CE marked models)	380/420V - 3 phase		O	O	O	O	O
<b><sup>2</sup> ELECTRIC HEAT</b>							
5.7 kW	E1EH0057AN1M	67W88	X	X	X	X	X
11.5 kW	E1EH0115AN1M	67W89	X	X	X	X	X
17.2 kW	E1EH0172N-1M	67W90			X	X	X
23 kW	E1EH0230N-1M	67W91				X	X

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

<sup>2</sup> Nominal kW at 420V-3ph-50hz.

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 - KHA/KHB

Item	Model No.	Catalog No.	Unit Model Number				
			KHA KHB 036	KHA KHB 048	KHA KHB 060	KHA 072	KHB 074
<b>INDOOR AIR QUALITY</b>							
<b>Indoor Air Quality (CO<sub>2</sub>) Sensors</b>							
Sensor - Wall-mount, off-white plastic cover with LCD display	C0SNSR50AE1L	<b>77N39</b>	X	X	X	X	X
Sensor - Wall-mount, black plastic case, no display, rated for plenum mounting	C0SNSR53AE1L	<b>87N54</b>	X	X	X	X	X
CO <sub>2</sub> Sensor Duct Mounting Kit - for downflow applications	C0MISC19AE1-	<b>85L43</b>	X	X	X	X	X
Aspiration Box - for duct mounting non-plenum rated CO <sub>2</sub> sensor ( <b>77N39</b> )	C0MISC16AE1-	<b>90N43</b>	X	X	X	X	X
<b>UVC Germicidal Lamps</b>							
<sup>1</sup> Healthy Climate® UVC Light Kit (220V-1ph)	E1UVCL10AN1-	<b>50W90</b>	X	X	X	X	X
<b>ROOF CURBS</b>							
<b>Hybrid Roof Curbs, Downflow</b>							
203 mm height	C1CURB70A-1	<b>11F50</b>	X	X	X	<sup>2</sup> X	X
356 mm height	C1CURB71A-1	<b>11F51</b>	X	X	X	<sup>2</sup> X	X
457 mm height	C1CURB72A-1	<b>11F52</b>	X	X	X	<sup>2</sup> X	X
610 mm height	C1CURB73A-1	<b>11F53</b>	X	X	X	<sup>2</sup> X	X
<b>Hybrid Roof Curbs, Full Perimeter, Downflow</b>							
203 mm height	K1CURB70AP1	<b>11S47</b>				X	X
356 mm height	K1CURB71AP1	<b>11S48</b>				X	X
457 mm height	K1CURB72AP1	<b>11T01</b>				X	X
610 mm height	K1CURB73AP1	<b>11T06</b>				X	X
<b>Adjustable Pitch Curb, Downflow</b>							
356 mm height	C1CURB55AT1	<b>43W27</b>	X	X	X	<sup>2</sup> X	X
<b>CEILING DIFFUSERS</b>							
Step-Down - Order one	RTD9-65S	<b>13K60</b>	X	X	X		
	RTD11-95S	<b>13K61</b>				X	X
Flush - Order one	FD9-65S	<b>13K55</b>	X	X	X		
	FD11-95S	<b>13K56</b>				X	X
Transitions (Supply and Return) - Order one	T1TRAN10AN1	<b>17W53</b>	X	X	X		
	T1TRAN20N-1	<b>17W54</b>				X	X

<sup>1</sup> Lamps operate on 110-230V single-phase power supply. Step-down transformer may be ordered separately for 380/420V primary to 220V secondary units. Alternately, 220V power supply may be used to directly power the UVC ballast(s).

<sup>2</sup> 072 models will fit smaller roof curbs with overhang. See dimension drawing.

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 - KHA ONLY

Item	Model No.	Catalog No.	Unit Model Number			
			KHA 036	KHA 048	KHA 060	KHA 072
<b>CABINET</b>						
Combination Coil/Hail Guards	C1GARD51A-1	13R98	X	X		
	C1GARD51AT1	13T03			X	
	K1GARD50AP1	13T17				X
<b>CONTROLS</b>						
BACnet®	K0CTRL31A-1	96W14	OX	OX		
	K0CTRL31AP1	12B99			OX	OX
Novar® 2051	K0CTRL30A-1	96W11	OX	OX		
	K0CTRL30AP1	12B98			OX	OX
<b>INDOOR AIR QUALITY</b>						
<b>Air Filters</b>						
Healthy Climate® High Efficiency Air Filters	MERV 8 (406 x 508 x 51) - C1FLTR15A-1-	54W20	X	X		
	MERV 13 (406 x 508 x 51) - T1FLTR40A-1-	52W37	X	X		
Order 4 per unit	MERV 8 (508 x 508 x 51) - C1FLTR15D-1-	54W21			X	X
	MERV 13 (508 x 508 x 51) - C1FLTR40D-1-	52W39			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.

## OPTIONS / ACCESSORIES - KHB ONLY

Item	Model No.	Catalog No.	Unit Model Number			
			KHB 036	KHB 048	KHB 060	KHB 074
<b>CABINET</b>						
Combination Coil/Hail Guards	C1GARD51A-1	13R98	X			
	C1GARD51AT1	13T03		X	X	X
<b>CONTROLS</b>						
BACnet®	K0CTRL31A-1	96W14	OX			
	K0CTRL31AP1	12B99		OX	OX	OX
Novar® 2051	K0CTRL30A-1	96W11	OX			
	K0CTRL30AP1	12B98		OX	OX	OX
<b>INDOOR AIR QUALITY</b>						
<b>Air Filters</b>						
Healthy Climate® High Efficiency Air Filters	MERV 8 (406 x 508 x 51) - C1FLTR15A-1-	54W20	X			
	MERV 13 (406 x 508 x 51) - T1FLTR40A-1-	52W37	X			
Order 4 per unit	MERV 8 (508 x 508 x 51) - C1FLTR15D-1-	54W21		X	X	X
	MERV 13 (508 x 508 x 51) - C1FLTR40D-1-	52W39		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 - KHA

General Data		Nominal Tonnage	10.5 kW (3 Ton)	14 kW (4 Ton)	17.5 kW (5 Ton)	21.1 kW (6 Ton)
		Model No.	KHA036S4B	KHA048S4B	KHA060S4B	KHA072S4B
		Efficiency Type	Standard	Standard	Standard	Standard
		Blower Type	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive
Cooling Performance	Gross Cooling Capacity - kW (Btuh)		9.4 (32 100)	12.4 (42 500)	15.5 (53 000)	18.1 (61 800)
	Net Cooling Capacity - kW (Btuh)		<sup>1</sup> 9.0 (30 600)	<sup>1</sup> 11.8 (40 200)	<sup>1</sup> 14.8 (50 500)	<sup>2</sup> 17.4 (59 300)
	AHRI Rated Air Flow - L/s (cfm)		545 (1160)	755 (1600)	935 (1985)	970 (2060)
	<sup>3</sup> Sound Rating Number (dB)		75	75	82	83
	Total Unit Power - kW		2.9	3.9	4.8	5.6
	EER (Btuh/Watt)		<sup>1</sup> 10.9	<sup>1</sup> 10.7	<sup>1</sup> 11	11.0
	IEER (Btuh/Watt)		---	---	---	<sup>2</sup> 12.1
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A
	Charge Furnished		5.67 kg (12 lbs. 8 oz.)	5.95 kg (13 lbs. 2 oz.)	7.26 kg (16 lbs 0 oz.)	9.30 kg (20 lbs. 8 oz.)
Heating Performance	Total High Heating Capacity - kW (Btuh)		9.6 (32 700)	12.6 (43 000)	16.0 (54 500)	18.4 (63 000)
	Total Unit Power - kW		2.6	3.5	4.2	5.8
	<sup>1</sup> COP		3.7	3.7	3.8	3.3
	Total Low Heating Capacity - kW (Btuh)		5.8 (19 700)	7.7 (26 400)	9.5 (32 400)	10.5 (36 000)
	Total Unit Power - kW		2.4	3.1	3.6	4.7
	<sup>1</sup> COP		2.4	2.5	2.7	2.25
Electric Heating Options		See Electric Heat Table, page 36				
Compressor Type (no.)		Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)	
Outdoor Coil	Net face area - m <sup>2</sup> (sq. ft.)		1.45 (15.6)	1.45 (15.6)	1.79 (19.27)	2.6 (28.00)
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		2	2	2	2
	Fins per meter (Fins / inch)		788 (20)	788 (20)	788 (20)	788 (20)
Outdoor Coil Fan	Motor W (HP)		187 (1/4)	187 (1/4)	249 (1/3)	374 (1/2)
	Motor rev/min		690	690	900	900
	Total motor watts		190	190	310	520
	Diameter - mm (in.) / No. of blades		610 (24) - 3	610 (24) - 3	610 (24) - 3	610 (24) - 4
	Total air volume - L/s (cfm)		1300 (2750)	1300 (2750)	1890 (4000)	2260 (4780)
Indoor Coil	Net face area - m <sup>2</sup> (sq. ft.)		0.72 (7.78)	0.72 (7.78)	0.90 (9.7)	0.90 (9.7)
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		3	3	4	4
	Fins per meter (Fins / inch)		552 (14)	552 (14)	552 (14)	552 (14)
	Drain Connection (no. and size) - in.		(1) 1 NPT	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
		Expansion device type	Balanced Port Thermostatic Expansion Valve, removeable power head			
<sup>4</sup> Indoor Blower & Drive Selection	Nominal Motor kW (HP)		1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)
	Maximum Usable Motor kW (HP)		1.7 (2.3)	1.7 (2.3)	1.7 (2.3)	1.7 (2.3)
	Wheel nom. diameter x width - mm (in.)		254 x 254 (10 x 10)			
	Drive Kit (rev/min range)		A01 - (561 - 842)	A02 - (621 - 931)	A03 - (694 - 1042)	A04 - (807 - 1117)
			A05 - (748 - 1122)	A06 - (893 - 1191)	A07 - (1010 - 1290)	A08 - (994-1326) A09 - (1193 - 1524)
Filters	Type	Disposable				
	Number and size - mm (in.)	(4) 406 x 508 x 51 (16 x 20 x 2)		(4) 508 x 508 x 51 (20 x 20 x 2)		
Electrical Characteristics - 50 hz		380/420V - 50 hertz - 3 phase with neutral (No neutral on CE marked models)				

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

<sup>1,2</sup> Rating test conditions are those included in Air-Conditioning, Heating and Refrigeration Institute (AHRI) Standard <sup>1</sup>210/240 or <sup>2</sup>340/360 while operating at rated voltage and air volumes:

**Cooling Ratings** - 35°C (95°F) outdoor air temperature and 27°C (80°F) dry bulb/19°C (67°F) wet bulb entering indoor coil air.

**High Temperature Heating Ratings** - 8°C (47°F) dry bulb/6°C (43°F) wet bulb outdoor air temperature and 21°C (70°F) entering indoor coil air.

**Low Temperature Heating Ratings** - -8°C (17°F) dry bulb/-9°C (15°F) wet bulb outdoor air temperature and 21°C (70°F) entering indoor coil air.

<sup>3</sup> Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

<sup>4</sup> Using total air volume and system static pressure requirements determine from blower performance tables rev/min and motor size required. Maximum usable size of motors furnished is shown. If motors of comparable size are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

## SPECIFICATIONS - KHB

General Data		Nominal Tonnage	10.5 kW (3 Ton)	14 kW (4 Ton)	17.5 kW (5 Ton)	21 kW (6 Ton)
		Model No.	KHB036S4B	KHB048S4B	KHB060S4B	KHB074S4T
		Efficiency Type	Standard	Standard	Standard	Standard
		Blower Type	Single Speed Belt Drive	Single Speed Belt Drive	Single Speed Belt Drive	Two-Speed Belt Drive
<b>Cooling Performance</b>	Gross Cooling Capacity - kW (Btuh)		9.3 (31 700)	12.3 (41 900)	15.8 (54 000)	18.0 (61 500)
	Net Cooling Capacity - kW (Btuh)		<sup>1</sup> 8.9 (30 300)	<sup>1</sup> 11.7 (39 900)	<sup>1</sup> 15.2 (51 800)	<sup>2</sup> 17.3 (58 900)
	AHRI Rated Air Flow - L/s (cfm)		565 (1200)	790 (1670)	955 (2020)	991 (2100)
	<sup>3</sup> Sound Rating Number (dB)		75	75	80	79
	Total Unit Power - kW		2.6	3.5	4.2	5.3
	EER (Btuh/Watt)		11.6	11.3	12.2	<sup>2</sup> 11.1
	<sup>1</sup> IEER (Btuh/Watt)		---	---	---	<sup>2</sup> 14.5
<b>Refrigerant</b>	Type		R-410A	R-410A	R-410A	R-410A
	Charge Furnished		5.44 kg (12 lbs. 0 oz.)	6.55 kg (14 lbs. 7 oz.)	7.26 kg (16 lbs. 0 oz.)	10.88 kg (24 lbs. 0 oz.)
<b>Heating Performance</b>	Total High Heating Capacity - kW (Btuh)		9.2 (31 500)	12.5 (42 500)	14.8 (50 500)	18.4 (63 000)
	Total Unit Power - kW		2.4	3.1	3.7	5.8
	<sup>1</sup> COP		3.8	3.96	3.96	3.30
	Total Low Heating Capacity - kW (Btuh)		5.3 (18 200)	7.5 (25 600)	8.7 (29 800)	10.5 (36 000)
	Total Unit Power - kW		2.3	3.0	3.8	4.7
	<sup>1</sup> COP		2.30	2.49	2.30	2.25
<b>Electric Heating Options</b>		See Electric Heat Table, page 37				
<b>Compressor Type (no.)</b>			Scroll (1)	Scroll (1)	Scroll (1)	Scroll (1)
<b>Outdoor Coil</b>	Net face area - m <sup>2</sup> (sq. ft.)		1.45 (15.6)	1.79 (19.3)	1.79 (19.3)	2.6 (28.0)
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		2	2	3	2
	Fins per meter (Fins / inch)		788 (20)	788 (20)	788 (20)	788 (20)
<b>Outdoor Coil Fan</b>	Motor W (HP)		187 (1/4)	187 (1/4)	249 (1/3)	374 (1/2)
	Motor rev/min		690	690	900	900
	Total motor watts		180	220	310	387
	Diameter - mm (in.) / No. of blades		610 (24) - 3	610 (24) - 3	610 (24) - 3	610 (24) - 4
	Total air volume - L/s (cfm)		1300 (2750)	1535 (3250)	1690 (3580)	2260 (4780)
<b>Indoor Coil</b>	Net face area - m <sup>2</sup> (sq. ft.)		0.7 (7.8)	0.9 (9.7)	0.9 (9.7)	0.90 (9.7)
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		3	3	4	4
	Fins per meter (Fins / inch)		552 (14)	552 (14)	552 (14)	552 (14)
	Drain Connection (no. and size) - in.		(1) 1 NPT	(1) 1 NPT	(1) 1 NPT	(1) 1 NPT
	Expansion device type		Balanced Port Thermostatic Expansion Valve, removeable power head			
<sup>4</sup> <b>Indoor Blower &amp; Drive Selection</b>	Nominal Motor Output kW (hp)		1.5 (2)	1.5 (2)	1.5 (2)	1.5 (2)
	Maximum Usable Motor kW (hp)		1.7 (2.3)	1.7 (2.3)	1.7 (2.3)	1.7 (2.3)
	Wheel nom. diameter x width - mm (in.)		254 x 254 (10 x 10)			
	Drive Kit (rev/min range)		A01 (561 - 842)	A02 (621 - 931)	A03 (694 - 1042)	A04 (807 - 1117)
			A05 (748 - 1122)	A06 (893 - 1191)	A07 (1010 - 1290)	A08 (994-1326)
	<b>Filters</b>	Type		Disposable		
Number and size - mm (in.)			(4) 406 x 508 x 51 (16 x 20 x 2)	(4) 508 x 508 x 51 (20 x 20 x 2)		
<b>Electrical Characteristics - 50 hz</b>		380/420V - 50 hertz - 3 phase with neutral (No neutral on CE marked models)				

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

<sup>1,2</sup> Rating test conditions are those included in Air-Conditioning, Heating and Refrigeration Institute (AHRI) Standard <sup>1</sup> 210/240 or <sup>2</sup> 340/360 while operating at rated voltage and air volumes:

**Cooling Ratings** - 35°C (95°F) outdoor air temperature and 27°C (80°F) dry bulb/19°C (67°F) wet bulb entering indoor coil air.

**High Temperature Heating Ratings** - 8°C (47°F) dry bulb/6°C (43°F) wet bulb outdoor air temperature and 21°C (70°F) entering indoor coil air.

**Low Temperature Heating Ratings** - -8°C (17°F) dry bulb/-9°C (15°F) wet bulb outdoor air temperature and 21°C (70°F) entering indoor coil air.

<sup>3</sup> Sound Rating Number rated in accordance with test conditions included in AHRI Standard 270.

<sup>4</sup> Using total air volume and system static pressure requirements determine from blower performance tables rev/min and motor size required. Maximum usable size of motors furnished is shown. If motors of comparable size are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

## COOLING / HEATING RATINGS - KHA

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

### 10.5 KW - KHA036S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		26.7°C						35°C						43.3°C						51.7°C					
		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						
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C					
17.2°C	455	9.4	1.76	0.74	0.9	1	8.4	2.13	0.76	0.94	1	7.4	2.57	0.79	0.99	1	6.3	3.13	0.84	1	1				
	565	10	1.77	0.8	0.99	1	9	2.14	0.83	1	1	8	2.59	0.88	1	1	6.9	3.14	0.95	1	1				
	680	10.5	1.78	0.87	1	1	9.6	2.15	0.91	1	1	8.5	2.6	0.97	1	1	7.3	3.16	1	1	1				
19.4°C	455	10	1.77	0.57	0.72	0.86	9	2.14	0.57	0.74	0.9	7.9	2.58	0.58	0.76	0.96	6.7	3.14	0.59	0.81	1				
	565	10.5	1.78	0.61	0.78	0.96	9.5	2.15	0.62	0.81	1	8.3	2.59	0.63	0.85	1	7	3.15	0.66	0.93	1				
	680	10.9	1.79	0.65	0.85	1	9.8	2.16	0.66	0.88	1	8.6	2.6	0.69	0.94	1	7.3	3.15	0.73	1	1				
21.7°C	455	10.6	1.78	0.42	0.56	0.7	9.6	2.15	0.41	0.57	0.72	8.5	2.6	0.39	0.57	0.74	7.2	3.15	0.38	0.59	0.79				
	565	11.2	1.79	0.44	0.6	0.76	10.1	2.16	0.43	0.62	0.79	8.9	2.61	0.42	0.63	0.83	7.5	3.16	0.42	0.66	0.9				
	680	11.5	1.8	0.46	0.65	0.83	10.4	2.17	0.46	0.66	0.86	9.1	2.62	0.45	0.69	0.92	7.8	3.17	0.45	0.73	0.99				

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																	
		46°C						48°C						50°C					
		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					
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C				
17.2°C	455	7	2.74	0.81	1	1	6.8	2.87	0.81	1	1	6.5	3.01	0.83	1	1			
	565	7.7	2.75	0.9	1	1	7.4	2.88	0.92	1	1	7.1	3.02	0.94	1	1			
	680	8.1	2.76	0.99	1	1	7.8	2.9	1	1	1	7.5	3.03	1	1	1			
19.4°C	455	7.5	2.74	0.59	0.79	0.98	7.2	2.89	0.59	0.79	0.99	6.9	3.02	0.59	0.8	1			
	565	7.9	2.75	0.65	0.88	1	7.6	2.89	0.65	0.89	1	7.3	3.02	0.65	0.91	1			
	680	8.2	2.76	0.71	0.97	1	7.9	2.89	0.71	0.98	1	7.6	3.03	0.72	1	1			
21.7°C	455	8.1	2.76	0.39	0.58	0.77	7.8	2.89	0.38	0.58	0.76	7.5	3.03	0.38	0.59	0.78			
	565	8.5	2.77	0.43	0.65	0.86	8.1	2.9	0.42	0.64	0.87	7.8	3.04	0.42	0.65	0.88			
	680	8.7	2.78	0.46	0.71	0.95	8.4	2.91	0.45	0.71	0.96	8	3.04	0.45	0.72	0.98			

### 10.5 KW - KHA036S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
453	11.6	2.20	8.8	2.05	5.8	1.88	4.1	1.71	2.0	1.28
566	11.8	2.07	9.1	1.92	6.1	1.76	4.4	1.58	2.3	1.15
680	12.0	1.99	9.3	1.84	6.3	1.68	4.6	1.5	2.5	1.07

## COOLING / HEATING RATINGS - KHA

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

### 14 KW - KHA048S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	605	12.6	2.38	0.75	0.91	1	11	2.91	0.76	0.95	1	9.4	3.51	0.79	1	1	7.8	4.26	0.84	1	1
	755	13.3	2.38	0.81	1	1	11.8	2.93	0.84	1	1	10.3	3.54	0.89	1	1	8.5	4.28	0.96	1	1
	905	14.1	2.38	0.88	1	1	12.6	2.94	0.92	1	1	10.9	3.55	0.98	1	1	9.1	4.29	1	1	1
19.4°C	605	13.5	2.38	0.57	0.72	0.88	11.8	2.93	0.56	0.74	0.91	10.1	3.53	0.56	0.77	0.97	8.2	4.27	0.56	0.82	1
	755	14.2	2.38	0.61	0.79	0.97	12.5	2.94	0.62	0.82	1	10.6	3.55	0.63	0.86	1	8.7	4.28	0.64	0.94	1
	905	14.7	2.38	0.65	0.86	1	13	2.95	0.67	0.9	1	11.1	3.56	0.69	0.96	1	9.1	4.29	0.72	1	1
21.7°C	605	14.4	2.38	0.41	0.56	0.7	12.7	2.94	0.39	0.56	0.72	11	3.56	0.37	0.56	0.75	9	4.29	0.34	0.57	0.8
	755	15.2	2.38	0.43	0.61	0.77	13.4	2.95	0.42	0.62	0.8	11.5	3.57	0.4	0.63	0.84	9.4	4.3	0.38	0.65	0.91
	905	15.7	2.38	0.46	0.65	0.84	13.8	2.96	0.45	0.67	0.88	11.8	3.58	0.43	0.69	0.93	9.8	4.32	0.41	0.73	1

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																	
		46°C					48°C					50°C							
		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					
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C				
17.2°C	605	8.9	3.73	0.81	1	1	8.5	3.91	0.81	1	1	8.1	4.09	0.83	1	1			
	755	9.8	3.75	0.91	1	1	9.3	3.93	0.92	1	1	8.9	4.12	0.94	1	1			
	905	10.3	3.77	0.99	1	1	9.9	3.95	1	1	1	9.5	4.13	1	1	1			
19.4°C	605	9.5	3.75	0.57	0.79	0.99	9.1	3.92	0.56	0.79	1	8.6	4.11	0.56	0.80	1			
	755	10.1	3.76	0.64	0.89	1	9.6	3.94	0.64	0.90	1	9.1	4.12	0.64	0.92	1			
	905	10.4	3.78	0.70	0.98	1	10.0	3.95	0.70	0.99	1	9.5	4.13	0.71	1	1			
21.7°C	605	10.4	3.77	0.36	0.57	0.77	9.9	3.95	0.35	0.57	0.77	9.4	4.13	0.34	0.57	0.79			
	755	10.9	3.79	0.40	0.64	0.87	10.4	3.96	0.39	0.64	0.88	9.9	4.15	0.38	0.65	0.90			
	905	11.2	3.80	0.43	0.70	0.96	10.7	3.97	0.42	0.71	0.98	10.2	4.15	0.42	0.72	0.99			

### 14 KW - KHA048S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
604	15.2	3.01	11.6	2.77	7.7	2.52	5.6	2.26	2.8	1.69
755	15.5	2.84	11.9	2.60	8.0	2.35	5.9	2.09	3.0	1.53
906	15.8	2.75	12.1	2.51	8.2	2.26	6.2	2.00	3.3	1.43

## COOLING / HEATING RATINGS - KHA

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

### 17.5 KW - KHA060S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	755	15.7	2.86	0.73	0.9	1	13.7	3.43	0.75	0.94	1	11.7	4.13	0.77	0.99	1	9.6	5	0.82	1	1
	945	16.6	2.88	0.8	0.98	1	14.7	3.46	0.83	1	1	12.8	4.17	0.87	1	1	10.6	5.03	0.95	1	1
	1135	17.6	2.91	0.86	1	1	15.7	3.49	0.9	1	1	13.6	4.19	0.96	1	1	11.3	5.05	1	1	1
19.4°C	755	16.8	2.89	0.56	0.71	0.86	14.8	3.46	0.56	0.73	0.9	12.7	4.16	0.55	0.76	0.95	10.2	5.01	0.55	0.8	1
	945	17.7	2.91	0.61	0.78	0.95	15.6	3.48	0.61	0.81	0.99	13.3	4.18	0.61	0.85	1	10.8	5.03	0.64	0.93	1
	1135	18.4	2.93	0.64	0.84	1	16.2	3.5	0.66	0.88	1	13.8	4.2	0.67	0.94	1	11.3	5.05	0.71	1	1
21.7°C	755	18.1	2.92	0.42	0.56	0.69	15.9	3.49	0.4	0.56	0.71	13.7	4.19	0.36	0.55	0.74	11.2	5.04	0.33	0.56	0.78
	945	19	2.94	0.43	0.6	0.76	16.7	3.51	0.42	0.61	0.79	14.4	4.21	0.4	0.62	0.83	11.7	5.06	0.37	0.64	0.91
	1135	19.6	2.96	0.46	0.65	0.82	17.3	3.54	0.45	0.65	0.86	14.8	4.23	0.43	0.68	0.92	12.1	5.08	0.41	0.71	1

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil														
		46°C					48°C					50°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	755	11.0	4.39	0.80	1	1	10.5	4.59	0.80	1	1	10.0	4.81	0.81	1	1
	945	12.1	4.42	0.90	1	1	11.5	4.63	0.91	1	1	11.0	4.84	0.93	1	1
	1135	12.9	4.44	0.98	1	1	12.4	4.65	0.99	1	1	11.8	4.86	1	1	1
19.4°C	755	11.9	4.41	0.56	0.77	0.98	11.3	4.61	0.55	0.78	0.99	10.7	4.83	0.55	0.79	1
	945	12.6	4.43	0.63	0.88	1	12.0	4.64	0.63	0.89	1	11.3	4.85	0.63	0.91	1
	1135	13.0	4.45	0.69	0.96	1	12.4	4.65	0.69	0.98	1	11.8	4.86	0.70	1	1
21.7°C	755	12.9	4.44	0.36	0.56	0.75	12.3	4.64	0.34	0.56	0.76	11.7	4.86	0.34	0.56	0.77
	945	13.6	4.46	0.40	0.63	0.86	12.9	4.67	0.38	0.63	0.87	12.3	4.87	0.38	0.64	0.89
	1135	14.0	4.47	0.42	0.69	0.94	13.4	4.68	0.42	0.70	0.96	12.7	4.89	0.42	0.70	0.98

### 17.5 KW - KHA060S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
755	19.5	3.53	14.8	3.28	9.90	3.03	6.8	2.68	3.4	2.01
944	19.8	3.33	15.2	3.08	10.2	2.83	7.2	2.48	3.7	1.81
1133	20.3	3.21	15.6	2.96	10.6	2.71	7.6	2.36	4.2	1.69



## COOLING / HEATING RATINGS - KHA

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

### 21 KW - KHA072S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	905	18.5	3.55	0.72	0.9	1	16.7	4.16	0.74	0.95	1	14.7	4.88	0.77	1	1	12.7	5.76	0.83	1	1
	1135	19.5	3.56	0.78	1	1	17.8	4.16	0.81	1	1	15.9	4.88	0.87	1	1	13.8	5.76	0.96	1	1
	1360	20.6	3.56	0.86	1	1	18.9	4.17	0.9	1	1	16.9	4.89	0.97	1	1	14.7	5.76	1	1	1
19.4°C	905	19.8	3.56	0.55	0.7	0.85	17.9	4.16	0.56	0.72	0.9	15.8	4.89	0.57	0.75	0.97	13.4	5.76	0.58	0.8	1
	1135	20.7	3.56	0.6	0.76	0.96	18.7	4.16	0.6	0.78	1	16.5	4.89	0.62	0.84	1	14.1	5.76	0.65	0.92	1
	1360	21.4	3.57	0.63	0.83	1	19.4	4.16	0.64	0.88	1	17.1	4.89	0.67	0.94	1	14.7	5.76	0.7	1	1
21.7°C	905	21.1	3.56	0.41	0.54	0.68	19.1	4.16	0.4	0.55	0.7	17	4.89	0.38	0.56	0.72	14.5	5.76	0.37	0.57	0.77
	1135	22.1	3.57	0.43	0.59	0.74	20	4.17	0.42	0.6	0.77	17.7	4.89	0.41	0.61	0.81	15.2	5.76	0.41	0.64	0.89
	1360	22.8	3.57	0.45	0.63	0.81	20.7	4.17	0.44	0.64	0.85	18.3	4.89	0.44	0.67	0.91	15.6	5.76	0.44	0.7	0.99

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil														
		46°C					48°C					50°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	905	14.1	5.14	0.82	1	1	13.6	5.35	0.84	1	1	13.1	5.57	0.85	1	1
	1135	15.3	5.15	0.92	1	1	14.8	5.35	0.93	1	1	14.2	5.57	0.95	1	1
	1360	16.2	5.14	0.99	1	1	15.7	5.35	1	1	1	15.2	5.57	1	1	1
19.4°C	905	15.0	5.15	0.59	0.80	0.99	14.4	5.35	0.59	0.81	1	13.8	5.56	0.60	0.82	1
	1135	15.8	5.14	0.65	0.89	1	15.2	5.35	0.66	0.91	1	14.6	5.56	0.67	0.92	1
	1360	16.4	5.14	0.71	0.97	1	15.7	5.35	0.72	0.99	1	15.2	5.57	0.73	1	1
21.7°C	905	16.2	5.14	0.39	0.59	0.77	15.6	5.35	0.39	0.59	0.78	15.0	5.56	0.38	0.59	0.80
	1135	17.0	5.14	0.42	0.64	0.87	16.4	5.35	0.42	0.65	0.88	15.7	5.57	0.42	0.66	0.90
	1360	17.5	5.15	0.45	0.71	0.95	16.8	5.35	0.45	0.72	0.97	16.2	5.57	0.45	0.73	0.98

### 21 KW - KHA072S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
906	22.9	4.65	17.4	4.14	11.9	3.59	7.3	3.22	3.5	2.43
1133	23.5	4.42	18.1	3.91	12.5	3.37	7.9	3.00	4.1	2.21
1359	24.0	4.28	18.5	3.78	13.0	3.23	8.4	2.86	4.6	2.07

## COOLING / HEATING RATINGS - KHB

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

### 10.5 KW - KHB036S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	455	9.20	1.64	0.75	0.91	1.00	8.30	1.97	0.77	0.96	1.00	7.20	2.38	0.81	1.00	1.00	6.20	2.90	0.86	1.00	1.00
	565	9.80	1.65	0.82	1.00	1.00	8.90	1.98	0.85	1.00	1.00	7.90	2.39	0.90	1.00	1.00	6.70	2.90	0.98	1.00	1.00
	680	10.30	1.66	0.89	1.00	1.00	9.30	1.99	0.93	1.00	1.00	8.30	2.40	0.99	1.00	1.00	7.20	2.91	1.00	1.00	1.00
19.4°C	455	9.80	1.65	0.58	0.73	0.88	8.90	1.98	0.58	0.75	0.92	7.70	2.39	0.59	0.78	0.98	6.50	2.90	0.61	0.83	1.00
	565	10.30	1.66	0.62	0.80	0.97	9.30	1.99	0.63	0.83	1.00	8.10	2.40	0.65	0.88	1.00	6.90	2.91	0.68	0.95	1.00
	680	10.70	1.67	0.66	0.86	1.00	9.60	2.00	0.68	0.90	1.00	8.40	2.40	0.71	0.97	1.00	7.20	2.91	0.75	1.00	1.00
21.7°C	455	10.50	1.66	0.42	0.57	0.71	9.50	1.99	0.42	0.58	0.73	8.30	2.40	0.40	0.59	0.76	7.00	2.91	0.39	0.61	0.81
	565	11.00	1.68	0.45	0.61	0.78	9.90	2.00	0.44	0.63	0.81	8.70	2.41	0.43	0.64	0.85	7.40	2.91	0.42	0.68	0.92
	680	11.30	1.69	0.47	0.66	0.84	10.20	2.01	0.46	0.68	0.88	8.90	2.41	0.46	0.70	0.94	7.60	2.91	0.46	0.75	1.00

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil														
		46°C					48°C					50°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	455	6.9	2.53	0.83	1	1	6.7	2.65	0.84	1	1	6.4	2.78	0.86	1	1
	565	7.5	2.54	0.93	1	1	7.2	2.66	0.94	1	1	7	2.79	0.96	1	1
	680	7.9	2.55	1	1	1	7.7	2.67	1	1	1	7.4	2.79	1	1	1
19.4°C	455	7.3	2.54	0.6	0.81	0.99	7.1	2.66	0.6	0.82	1	6.8	2.79	0.61	0.83	1
	565	7.7	2.54	0.66	0.9	1	7.4	2.66	0.67	0.92	1	7.1	2.79	0.68	0.94	1
	680	8	2.55	0.73	0.99	1	7.7	2.67	0.74	1	1	7.4	2.79	0.74	1	1
21.7°C	455	7.9	2.55	0.4	0.59	0.78	7.6	2.67	0.4	0.6	0.8	7.3	2.79	0.39	0.61	0.81
	565	8.3	2.55	0.43	0.66	0.88	7.9	2.67	0.43	0.66	0.89	7.6	2.8	0.43	0.68	0.91
	680	8.5	2.56	0.47	0.72	0.97	8.2	2.68	0.46	0.73	0.98	7.9	2.8	0.46	0.74	1

### 10.5 KW - KHB036S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
453	11.3	2.01	8.6	1.91	5.9	1.81	3.9	1.63	2.00	1.21
566	11.5	1.90	8.8	1.80	6.0	1.70	4.0	1.52	2.10	1.10
680	11.6	1.85	8.9	1.74	6.1	1.64	4.1	1.46	2.20	1.04

## COOLING / HEATING RATINGS - KHB

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

### 14 KW - KHB048S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	605	12.3	2.23	0.75	0.91	1.00	10.70	2.69	0.76	0.96	1.00	9.10	3.27	0.79	1.00	1.00	7.40	4.01	0.84	1.00	1.00
	755	13.1	2.24	0.82	1.00	1.00	11.60	2.71	0.85	1.00	1.00	10.10	3.30	0.89	1.00	1.00	8.20	4.03	0.98	1.00	1.00
	905	14	2.25	0.89	1.00	1.00	12.40	2.72	0.94	1.00	1.00	10.70	3.31	0.99	1.00	1.00	8.90	4.05	1.00	1.00	1.00
19.4°C	605	13.2	2.24	0.57	0.73	0.88	11.50	2.70	0.56	0.74	0.92	9.80	3.29	0.56	0.77	0.98	7.90	4.02	0.55	0.82	1.00
	755	13.9	2.25	0.62	0.80	0.97	12.20	2.72	0.62	0.83	1.00	10.40	3.30	0.62	0.87	1.00	8.30	4.04	0.64	0.96	1.00
	905	14.5	2.26	0.66	0.87	1.00	12.70	2.73	0.67	0.92	1.00	10.80	3.32	0.69	0.97	1.00	8.90	4.05	0.73	1.00	1.00
21.7°C	605	14.1	2.25	0.41	0.56	0.70	12.40	2.72	0.38	0.56	0.72	10.60	3.31	0.36	0.56	0.75	8.60	4.04	0.31	0.56	0.80
	755	14.9	2.27	0.44	0.61	0.78	13.10	2.74	0.42	0.62	0.81	11.20	3.32	0.39	0.63	0.85	9.10	4.06	0.36	0.65	0.93
	905	15.4	2.28	0.46	0.66	0.85	13.50	2.75	0.44	0.67	0.89	11.60	3.34	0.42	0.69	0.95	9.50	4.07	0.41	0.73	1.00

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil														
		46°C					48°C					50°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	605	29.3	3.49	0.81	1	1	28	3.66	0.82	1	1	26.6	3.84	0.83	1	1
	755	32.4	3.51	0.92	1	1	30.9	3.68	0.94	1	1	29.4	3.86	0.96	1	1
	905	34.7	3.53	1	1	1	33.2	3.7	1	1	1	31.6	3.89	1	1	1
19.4°C	605	31.5	3.5	0.56	0.79	1	29.8	3.67	0.56	0.8	1	28.3	3.86	0.56	0.81	1
	755	33.4	3.52	0.64	0.9	1	31.7	3.69	0.64	0.92	1	29.9	3.87	0.64	0.94	1
	905	34.9	3.53	0.7	0.99	1	33.3	3.7	0.71	1	1	31.7	3.89	0.72	1	1
21.7°C	605	34.4	3.53	0.34	0.56	0.77	32.7	3.7	0.34	0.56	0.78	30.9	3.88	0.33	0.56	0.79
	755	36.1	3.54	0.39	0.64	0.88	34.4	3.71	0.38	0.64	0.89	32.5	3.89	0.37	0.65	0.91
	905	37.5	3.55	0.42	0.71	0.97	35.7	3.73	0.42	0.72	0.99	33.9	3.91	0.41	0.73	1

### 14 KW - KHB048S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
605	15.1	2.58	11.6	2.49	8.0	2.40	5.4	2.19	2.7	1.62
755	15.3	2.42	11.9	2.33	8.3	2.24	5.7	2.03	2.9	1.46
905	15.6	2.32	12.1	2.23	8.6	2.14	5.9	1.93	3.2	1.37

## COOLING / HEATING RATINGS - KHB

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

### 17.5 KW - KHB060S4 - COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		26.7°C					35°C					43.3°C					51.7°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	755	15.7	2.71	0.73	0.91	1.00	14.00	3.24	0.75	0.96	1.00	12.20	3.94	0.77	1.00	1.00	10.30	4.84	0.84	1.00	1.00
	945	16.6	2.72	0.79	1.00	1.00	15.10	3.26	0.83	1.00	1.00	13.30	3.96	0.89	1.00	1.00	11.30	4.88	0.99	1.00	1.00
	1135	17.7	2.74	0.87	1.00	1.00	16.00	3.28	0.93	1.00	1.00	14.10	3.98	1.00	1.00	1.00	12.00	4.91	1.00	1.00	1.00
19.4°C	755	16.9	2.72	0.56	0.70	0.86	15.00	3.26	0.56	0.72	0.92	13.10	3.96	0.56	0.76	0.98	10.80	4.86	0.57	0.81	1.00
	945	17.7	2.73	0.60	0.77	0.98	15.80	3.27	0.61	0.80	1.00	13.70	3.97	0.62	0.86	1.00	11.40	4.89	0.65	0.96	1.00
	1135	18.3	2.75	0.64	0.85	1.00	16.40	3.28	0.65	0.90	1.00	14.20	3.99	0.68	0.98	1.00	12.30	4.92	1.00	1.00	1.00
21.7°C	755	18.1	2.74	0.41	0.54	0.68	16.20	3.28	0.39	0.55	0.70	14.10	3.98	0.38	0.56	0.73	11.80	4.90	0.36	0.57	0.78
	945	18.9	2.75	0.43	0.59	0.75	16.90	3.29	0.42	0.60	0.78	14.70	4.00	0.40	0.62	0.83	12.30	4.92	0.39	0.65	0.93
	1135	19.6	2.76	0.45	0.63	0.82	17.50	3.30	0.44	0.65	0.87	15.20	4.01	0.43	0.68	0.95	12.50	4.93	0.93	0.93	0.93

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil														
		46°C					48°C					50°C				
		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		
L/s	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	kW	kW	24°C	27°C	29°C	
17.2°C	755	11.6	4.19	0.82	1	1	11.1	4.41	0.84	1	1	10.8	4.64	0.85	1	1
	945	12.7	4.23	0.93	1	1	12.1	4.44	0.95	1	1	11.7	4.67	0.97	1	1
	1135	13.5	4.25	1	1	1	13.0	4.47	1	1	1	12.5	4.69	1	1	1
19.4°C	755	12.4	4.22	0.58	0.80	1	11.9	4.43	0.58	0.81	1	11.3	4.66	0.59	0.83	1
	945	13.0	4.24	0.65	0.90	1	12.4	4.45	0.65	0.93	1	11.9	4.68	0.66	0.95	1
	1135	13.5	4.25	0.72	1	1	13.0	4.47	0.73	1	1	12.5	4.70	0.74	1	1
21.7°C	755	13.4	4.25	0.38	0.58	0.78	12.9	4.46	0.37	0.58	0.78	12.3	4.69	0.37	0.59	0.80
	945	14.0	4.27	0.41	0.65	0.88	13.4	4.48	0.41	0.65	0.90	12.8	4.71	0.40	0.66	0.92
	1135	14.4	4.28	0.44	0.72	0.98	13.9	4.50	0.44	0.73	0.99	13.3	4.73	0.44	0.74	1

### 17.5 KW - KHB060S4 - HEATING CAPACITY

Indoor Coil Air Volume 21°C Dry Bulb	Air Temperature Entering Outdoor Coil									
	18°C		7°C		-4°C		-15°C		-28°C	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
L/s	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
755	18.3	2.94	14.0	2.91	9.6	2.86	6.4	2.73	3.2	2.00
945	18.5	2.77	14.2	2.74	9.8	2.70	6.5	2.56	3.4	1.83
1135	18.7	2.70	14.4	2.66	10.1	2.62	6.8	2.48	3.7	1.75



## BLOWER DATA - BELT DRIVE - KHA/KHBO36 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																					
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)							
L/s	cfm	Rev/min	BHP	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Field Furnished																					
		Kit A01																					
425	900	486	0.09	0.12	0.16	623	0.15	0.20	695	0.16	0.22	767	0.17	0.23	836	0.19	0.25	897	0.21	0.28	953	0.22	0.30
472	1000	508	0.11	0.15	0.19	643	0.16	0.22	713	0.18	0.24	783	0.19	0.26	848	0.21	0.28	907	0.22	0.30	961	0.25	0.33
519	1100	533	0.13	0.18	0.22	665	0.19	0.25	733	0.20	0.27	800	0.21	0.28	863	0.23	0.31	919	0.25	0.34	971	0.27	0.36
566	1200	560	0.16	0.21	0.25	689	0.21	0.28	755	0.22	0.30	820	0.24	0.32	879	0.25	0.34	932	0.28	0.37	983	0.30	0.40
613	1300	591	0.18	0.24	0.28	716	0.23	0.31	779	0.25	0.33	841	0.26	0.35	897	0.28	0.38	948	0.31	0.41	996	0.33	0.44
661	1400	631	0.19	0.26	0.30	748	0.25	0.34	807	0.27	0.36	864	0.29	0.39	916	0.31	0.42	964	0.34	0.46	1011	0.37	0.49
708	1500	676	0.21	0.28	0.33	782	0.27	0.36	835	0.30	0.40	887	0.32	0.43	935	0.35	0.47	981	0.37	0.50	1028	0.40	0.54
		External Static - Pa (in.w.g.)																					
Air Volume		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)							
L/s	cfm	Rev/min	BHP	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Field Furnished																					
		Kit A05																					
425	900	1004	0.25	0.33	0.35	1106	0.28	0.37	1152	0.30	0.40	1193	0.32	0.43	1232	0.34	0.46	1269	0.37	0.49	1305	0.39	0.52
472	1000	1011	0.27	0.36	0.38	1111	0.31	0.41	1157	0.32	0.43	1199	0.35	0.47	1238	0.37	0.50	1276	0.40	0.53	1311	0.42	0.56
519	1100	1020	0.29	0.39	0.41	1118	0.33	0.44	1163	0.35	0.47	1206	0.38	0.51	1245	0.40	0.54	1282	0.43	0.58	1318	0.46	0.61
566	1200	1031	0.32	0.43	0.45	1127	0.36	0.48	1171	0.39	0.52	1213	0.41	0.55	1252	0.44	0.59	1289	0.46	0.62	1324	0.49	0.66
613	1300	1044	0.35	0.47	0.49	1137	0.40	0.53	1181	0.42	0.56	1221	0.45	0.60	1259	0.48	0.64	1296	0.51	0.68	1330	0.53	0.71
661	1400	1058	0.38	0.51	0.54	1150	0.43	0.57	1191	0.46	0.61	1231	0.48	0.65	1268	0.51	0.69	1303	0.54	0.73	1337	0.57	0.77
708	1500	1074	0.42	0.56	0.59	1163	0.47	0.63	1203	0.50	0.67	1241	0.53	0.71	1277	0.56	0.75	1312	0.59	0.79	1345	0.61	0.82

## BLOWER DATA - BELT DRIVE - KHA/KHB036 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																														
		25 (0.10)			50 (0.20)			75 (0.30)			100 (0.40)			125 (0.50)			150 (0.60)			175 (0.70)			200 (0.80)									
L/s	cfm	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW							
		Field Furnished															Kit A01									Kit A05						
425	900	485	0.08	0.11	554	0.10	0.14	627	0.12	0.16	703	0.13	0.18	780	0.16	0.21	841	0.17	0.23	888	0.20	0.27	935	0.22	0.30							
472	1000	509	0.10	0.13	578	0.12	0.16	649	0.14	0.19	722	0.16	0.21	796	0.17	0.23	854	0.19	0.26	900	0.22	0.29	947	0.25	0.33							
519	1100	537	0.12	0.16	605	0.14	0.19	674	0.16	0.21	744	0.18	0.24	813	0.19	0.26	868	0.22	0.29	913	0.25	0.33	959	0.27	0.36							
566	1200	567	0.14	0.19	633	0.16	0.22	700	0.18	0.24	768	0.20	0.27	833	0.22	0.30	884	0.25	0.33	928	0.28	0.37	974	0.30	0.40							
613	1300	599	0.16	0.22	664	0.19	0.25	729	0.21	0.28	793	0.22	0.30	853	0.25	0.33	902	0.28	0.37	945	0.31	0.41	990	0.33	0.44							
661	1400	634	0.19	0.26	697	0.22	0.29	758	0.23	0.31	819	0.25	0.34	875	0.28	0.38	921	0.31	0.42	964	0.34	0.46	1008	0.37	0.49							
708	1500	669	0.22	0.30	730	0.25	0.33	789	0.27	0.36	846	0.29	0.39	897	0.31	0.42	941	0.35	0.47	983	0.38	0.51	1028	0.40	0.54							
Air Volume		External Static - Pa (in.w.g.)																														
L/s	cfm	225 (0.90)			250 (1.00)			275 (1.10)			300 (1.20)			325 (1.30)			350 (1.40)			375 (1.50)			400 (1.60)									
		Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW	Rev/ min	BHP	KW							
425	900	986	0.24	0.32	1039	0.26	0.35	1090	0.28	0.37	1137	0.30	0.40	1177	0.32	0.43	1214	0.34	0.46	1248	0.37	0.49	1280	0.38	0.51							
472	1000	997	0.26	0.35	1048	0.28	0.38	1098	0.31	0.41	1143	0.33	0.44	1184	0.35	0.47	1221	0.37	0.50	1255	0.40	0.53	1287	0.42	0.56							
519	1100	1008	0.29	0.39	1059	0.31	0.41	1107	0.33	0.44	1150	0.35	0.47	1191	0.38	0.51	1228	0.40	0.54	1263	0.43	0.57	1295	0.45	0.6							
566	1200	1022	0.32	0.43	1071	0.34	0.45	1117	0.36	0.48	1160	0.39	0.52	1200	0.41	0.55	1237	0.44	0.59	1271	0.46	0.62	1303	0.49	0.66							
613	1300	1037	0.35	0.47	1085	0.37	0.50	1130	0.40	0.53	1171	0.43	0.57	1210	0.45	0.60	1246	0.48	0.64	1280	0.51	0.68	1312	0.53	0.71							
661	1400	1054	0.39	0.52	1100	0.40	0.54	1144	0.43	0.58	1183	0.46	0.62	1221	0.49	0.66	1256	0.52	0.70	1290	0.54	0.73	1321	0.57	0.77							
708	1500	1073	0.43	0.57	1117	0.45	0.60	1159	0.48	0.64	1197	0.50	0.67	1234	0.53	0.71	1268	0.56	0.75	1301	0.59	0.79	1332	0.62	0.83							

## BLOWER DATA - BELT DRIVE - KHA048 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

### DOWNFLOW

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Kit A02																							
		Field Furnished																							
566	1200	560	0.16	0.21	625	0.19	0.25	689	0.21	0.28	755	0.22	0.30	820	0.24	0.32	879	0.25	0.34	932	0.28	0.37	983	0.30	0.40
613	1300	591	0.18	0.24	654	0.21	0.28	716	0.23	0.31	779	0.25	0.33	841	0.26	0.35	897	0.28	0.38	948	0.31	0.41	996	0.33	0.44
661	1400	631	0.19	0.26	690	0.22	0.30	748	0.25	0.34	807	0.27	0.36	864	0.29	0.39	916	0.31	0.42	964	0.34	0.46	1011	0.37	0.49
708	1500	675	0.21	0.28	729	0.25	0.33	782	0.27	0.36	835	0.30	0.40	887	0.32	0.43	935	0.35	0.47	981	0.37	0.50	1028	0.40	0.54
755	1600	718	0.23	0.31	766	0.26	0.35	814	0.30	0.40	862	0.33	0.44	910	0.36	0.48	955	0.39	0.52	1000	0.41	0.55	1046	0.44	0.59
802	1700	756	0.25	0.34	799	0.29	0.39	843	0.33	0.44	887	0.37	0.49	932	0.40	0.53	976	0.43	0.57	1020	0.46	0.61	1066	0.48	0.64
849	1800	787	0.30	0.40	828	0.34	0.45	870	0.37	0.50	912	0.41	0.55	955	0.44	0.59	999	0.47	0.63	1043	0.50	0.67	1089	0.52	0.70
897	1900	815	0.34	0.46	855	0.38	0.51	897	0.43	0.57	939	0.46	0.62	981	0.49	0.66	1024	0.51	0.69	1068	0.54	0.73	1113	0.57	0.76
944	2000	843	0.40	0.53	884	0.44	0.59	925	0.48	0.64	968	0.51	0.68	1009	0.54	0.72	1052	0.57	0.76	1095	0.59	0.79	1138	0.62	0.83

### External Static - Pa (in.w.g.)

Air Volume		External Static - Pa (in.w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Kit A06																							
		Field Furnished																							
566	1200	1031	0.32	0.43	1079	0.34	0.45	1127	0.36	0.48	1171	0.39	0.52	1213	0.41	0.55	1252	0.44	0.59	1289	0.46	0.62	1324	0.49	0.66
613	1300	1044	0.35	0.47	1091	0.37	0.49	1137	0.40	0.53	1181	0.42	0.56	1221	0.45	0.60	1259	0.48	0.64	1296	0.51	0.68	1330	0.53	0.71
661	1400	1058	0.38	0.51	1105	0.40	0.54	1150	0.43	0.57	1191	0.46	0.61	1231	0.48	0.65	1268	0.51	0.69	1303	0.54	0.73	1337	0.57	0.77
708	1500	1074	0.42	0.56	1120	0.44	0.59	1163	0.47	0.63	1203	0.50	0.67	1241	0.53	0.71	1277	0.56	0.75	1312	0.59	0.79	1345	0.61	0.82
755	1600	1092	0.46	0.61	1137	0.48	0.65	1178	0.51	0.68	1216	0.54	0.72	1253	0.57	0.76	1288	0.60	0.80	1321	0.63	0.84	1354	0.66	0.88
802	1700	1112	0.50	0.67	1155	0.52	0.70	1193	0.56	0.75	1230	0.59	0.79	1265	0.62	0.83	1299	0.65	0.87	1332	0.68	0.91	1364	0.71	0.95
849	1800	1133	0.54	0.73	1174	0.57	0.77	1209	0.60	0.81	1244	0.63	0.85	1278	0.67	0.90	1311	0.70	0.94	1343	0.73	0.98	1375	0.76	1.02
897	1900	1156	0.60	0.80	1193	0.63	0.84	1226	0.66	0.89	1260	0.69	0.93	1293	0.72	0.97	1325	0.75	1.01	1356	0.79	1.06	1388	0.82	1.1
944	2000	1178	0.65	0.87	1213	0.69	0.92	1243	0.72	0.97	1275	0.76	1.02	1307	0.79	1.06	1339	0.82	1.10	1370	0.85	1.14	1402	0.88	1.18



## BLOWER DATA - BELT DRIVE - KHAA048 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP	Rev/ min	BHP								
		Kit A02																							
		Field Furnished																							
566	1200	567	0.14	0.19	633	0.16	0.22	700	0.18	0.24	768	0.20	0.27	833	0.22	0.30	884	0.25	0.33	928	0.28	0.37	974	0.30	0.40
613	1300	599	0.16	0.22	664	0.19	0.25	729	0.21	0.28	793	0.22	0.30	853	0.25	0.33	902	0.28	0.37	945	0.31	0.41	990	0.33	0.44
661	1400	634	0.19	0.26	697	0.22	0.29	758	0.23	0.31	819	0.25	0.34	875	0.28	0.38	921	0.31	0.42	964	0.34	0.46	1008	0.37	0.49
708	1500	669	0.22	0.30	730	0.25	0.33	789	0.27	0.36	846	0.29	0.39	897	0.31	0.42	941	0.35	0.47	983	0.38	0.51	1028	0.40	0.54
755	1600	705	0.25	0.34	763	0.28	0.37	819	0.30	0.40	873	0.32	0.43	921	0.36	0.48	963	0.39	0.52	1004	0.42	0.56	1048	0.44	0.59
802	1700	741	0.28	0.38	796	0.31	0.41	850	0.34	0.45	900	0.37	0.49	945	0.40	0.53	985	0.43	0.58	1026	0.46	0.62	1070	0.48	0.65
849	1800	776	0.32	0.43	829	0.34	0.46	880	0.38	0.51	927	0.41	0.55	970	0.45	0.60	1009	0.48	0.64	1050	0.51	0.68	1093	0.53	0.71
897	1900	812	0.36	0.48	862	0.39	0.52	910	0.43	0.57	955	0.46	0.62	996	0.49	0.66	1035	0.53	0.71	1076	0.55	0.74	1118	0.58	0.78
944	2000	847	0.40	0.54	895	0.44	0.59	941	0.48	0.64	984	0.51	0.69	1023	0.55	0.74	1062	0.58	0.78	1103	0.60	0.81	1144	0.63	0.85
		Kit A06																							
		Field Furnished																							
566	1200	1022	0.32	0.43	1071	0.34	0.45	1117	0.36	0.48	1160	0.39	0.52	1200	0.41	0.55	1237	0.44	0.59	1271	0.46	0.62	1303	0.49	0.66
613	1300	1037	0.35	0.47	1085	0.37	0.50	1130	0.40	0.53	1171	0.43	0.57	1210	0.45	0.60	1246	0.48	0.64	1280	0.51	0.68	1312	0.53	0.71
661	1400	1054	0.39	0.52	1100	0.40	0.54	1144	0.43	0.58	1183	0.46	0.62	1221	0.49	0.66	1256	0.52	0.70	1290	0.54	0.73	1321	0.57	0.77
708	1500	1073	0.43	0.57	1117	0.45	0.60	1159	0.48	0.64	1197	0.50	0.67	1234	0.53	0.71	1268	0.56	0.75	1301	0.59	0.79	1332	0.62	0.83
755	1600	1093	0.46	0.62	1136	0.49	0.66	1175	0.52	0.70	1212	0.55	0.74	1247	0.58	0.78	1281	0.61	0.82	1313	0.64	0.86	1344	0.67	0.9
802	1700	1114	0.51	0.68	1155	0.54	0.72	1192	0.57	0.76	1227	0.60	0.80	1262	0.63	0.85	1295	0.66	0.89	1327	0.69	0.93	1358	0.72	0.97
849	1800	1136	0.56	0.75	1175	0.59	0.79	1210	0.62	0.83	1245	0.66	0.88	1278	0.69	0.92	1311	0.72	0.97	1342	0.75	1.01	1373	0.78	1.05
897	1900	1159	0.61	0.82	1197	0.64	0.86	1229	0.69	0.92	1263	0.72	0.97	1296	0.75	1.01	1328	0.79	1.06	1359	0.82	1.10	1390	0.85	1.14
944	2000	1183	0.67	0.90	1218	0.71	0.95	1249	0.75	1.01	1282	0.79	1.06	1314	0.83	1.11	1346	0.86	1.15	1377	0.90	1.20	1408	0.93	1.24

## BLOWER DATA - BELT DRIVE - KHBO48 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Field Furnished																							
		Kit A02																							
566	1200	527	1.75	0.18	584	2.05	0.21	643	2.44	0.25	702	2.73	0.28	779	2.92	0.3	860	2.92	0.3	927	3.02	0.31	973	3.31	0.34
613	1300	550	2.05	0.21	607	2.44	0.25	664	2.83	0.29	722	3.12	0.32	797	3.22	0.33	875	3.31	0.34	937	3.41	0.35	981	3.70	0.38
661	1400	574	2.44	0.25	630	2.83	0.29	687	3.12	0.32	744	3.41	0.35	817	3.61	0.37	890	3.70	0.38	949	3.80	0.39	991	4.09	0.42
708	1500	603	2.73	0.28	659	3.12	0.32	714	3.51	0.36	770	3.80	0.39	839	4.00	0.41	907	4.09	0.42	962	4.29	0.44	1002	4.58	0.47
755	1600	651	2.83	0.29	703	3.22	0.33	754	3.61	0.37	806	4.00	0.41	867	4.19	0.43	927	4.39	0.45	976	4.68	0.48	1014	4.97	0.51
802	1700	708	2.92	0.3	754	3.31	0.34	800	3.70	0.38	846	4.09	0.42	898	4.48	0.46	949	4.78	0.49	992	5.17	0.53	1028	5.56	0.57
849	1800	764	3.02	0.31	804	3.51	0.36	844	3.90	0.4	884	4.39	0.45	927	4.78	0.49	970	5.26	0.54	1008	5.65	0.58	1044	6.14	0.63
897	1900	812	3.31	0.34	847	3.80	0.39	881	4.29	0.44	916	4.78	0.49	953	5.26	0.54	990	5.75	0.59	1025	6.24	0.64	1061	6.72	0.69
944	2000	847	3.90	0.4	878	4.39	0.45	909	4.87	0.5	942	5.36	0.55	975	5.85	0.6	1009	6.43	0.66	1044	6.92	0.71	1079	7.41	0.76

### External Static - Pa (in.w.g.)

Air Volume		External Static - Pa (in.w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
		Kit A02																							
		Kit A06																							
566	1200	1008	0.28	0.38	1047	0.31	0.42	1089	0.34	0.46	1133	0.37	0.49	1180	0.40	0.53	1224	0.42	0.56	1261	0.45	0.6	1295	0.50	0.67
613	1300	1017	0.31	0.42	1055	0.34	0.46	1097	0.37	0.5	1139	0.40	0.53	1184	0.43	0.57	1228	0.45	0.6	1264	0.47	0.63	1295	0.50	0.67
661	1400	1026	0.34	0.46	1065	0.37	0.5	1106	0.40	0.54	1147	0.43	0.57	1191	0.46	0.61	1233	0.48	0.64	1269	0.51	0.68	1300	0.53	0.71
708	1500	1038	0.38	0.51	1076	0.41	0.55	1117	0.44	0.59	1157	0.46	0.62	1199	0.48	0.65	1240	0.51	0.69	1275	0.54	0.72	1305	0.57	0.76
755	1600	1050	0.42	0.56	1089	0.45	0.6	1129	0.48	0.64	1168	0.50	0.67	1209	0.53	0.71	1249	0.55	0.74	1282	0.58	0.78	1312	0.61	0.82
802	1700	1065	0.46	0.61	1103	0.48	0.65	1142	0.51	0.69	1181	0.54	0.73	1221	0.57	0.76	1259	0.60	0.8	1292	0.62	0.83	1320	0.66	0.88
849	1800	1081	0.50	0.67	1118	0.53	0.71	1156	0.56	0.75	1194	0.59	0.79	1234	0.61	0.82	1271	0.64	0.86	1302	0.67	0.9	1330	0.70	0.94
897	1900	1098	0.54	0.73	1135	0.57	0.77	1172	0.60	0.81	1209	0.63	0.85	1248	0.66	0.88	1284	0.69	0.92	1314	0.72	0.97	1341	0.75	1.01
944	2000	1116	0.60	0.8	1152	0.63	0.84	1189	0.66	0.88	1226	0.69	0.92	1264	0.72	0.96	1299	0.75	1	1327	0.78	1.04	1353	0.81	1.09

## BLOWER DATA - BELT DRIVE - KHBO48 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP						
Furnished																									
566	1200	528	0.13	0.17	581	0.15	0.2	641	0.17	0.23	706	0.19	0.25	782	0.20	0.27	859	0.22	0.29	924	0.23	0.31	974	0.25	0.34
613	1300	556	0.16	0.21	609	0.18	0.24	669	0.19	0.26	731	0.22	0.29	804	0.23	0.31	877	0.25	0.33	938	0.26	0.35	985	0.28	0.38
661	1400	592	0.18	0.24	645	0.20	0.27	702	0.22	0.3	763	0.24	0.32	830	0.26	0.35	898	0.28	0.37	953	0.29	0.39	997	0.32	0.43
708	1500	641	0.19	0.26	692	0.22	0.29	746	0.25	0.33	801	0.27	0.36	862	0.28	0.38	921	0.31	0.41	970	0.33	0.44	1011	0.36	0.48
755	1600	696	0.21	0.28	743	0.24	0.32	792	0.26	0.35	842	0.29	0.39	894	0.31	0.42	945	0.34	0.45	988	0.37	0.49	1027	0.40	0.53
802	1700	750	0.23	0.31	792	0.26	0.35	836	0.29	0.39	880	0.32	0.43	924	0.35	0.47	968	0.38	0.51	1007	0.41	0.55	1043	0.44	0.59
849	1800	799	0.26	0.35	837	0.29	0.39	875	0.32	0.43	913	0.36	0.48	952	0.39	0.52	990	0.42	0.56	1026	0.46	0.61	1061	0.48	0.65
897	1900	840	0.30	0.4	873	0.34	0.45	907	0.37	0.49	941	0.40	0.54	976	0.43	0.58	1011	0.47	0.63	1045	0.50	0.67	1080	0.54	0.72
944	2000	873	0.35	0.47	903	0.38	0.51	934	0.42	0.56	966	0.45	0.6	998	0.48	0.65	1032	0.52	0.7	1066	0.56	0.75	1101	0.59	0.79
Kit A02																									
External Static - Pa (in.w.g.)																									
Air Volume		External Static - Pa (in.w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP						
566	1200	1014	0.28	0.38	1052	0.31	0.42	1093	0.34	0.45	1135	0.36	0.48	1176	0.38	0.51	1217	0.40	0.54	1257	0.43	0.58	1296	0.46	0.61
613	1300	1023	0.31	0.42	1061	0.34	0.46	1102	0.37	0.5	1143	0.40	0.53	1184	0.42	0.56	1224	0.44	0.59	1263	0.46	0.62	1302	0.49	0.66
661	1400	1035	0.35	0.47	1073	0.38	0.51	1112	0.40	0.54	1153	0.43	0.57	1193	0.46	0.61	1232	0.48	0.64	1271	0.50	0.67	1309	0.53	0.71
708	1500	1048	0.39	0.52	1086	0.42	0.56	1125	0.44	0.59	1164	0.47	0.63	1204	0.49	0.66	1243	0.51	0.69	1280	0.54	0.73	1317	0.57	0.77
755	1600	1063	0.43	0.57	1100	0.46	0.61	1139	0.48	0.65	1178	0.51	0.68	1216	0.53	0.71	1254	0.56	0.75	1291	0.59	0.79	1326	0.62	0.83
802	1700	1079	0.47	0.63	1116	0.50	0.67	1154	0.53	0.71	1192	0.55	0.74	1230	0.58	0.78	1267	0.60	0.81	1302	0.63	0.85	1337	0.66	0.89
849	1800	1097	0.51	0.69	1133	0.54	0.73	1171	0.57	0.77	1209	0.60	0.8	1246	0.63	0.84	1281	0.66	0.88	1315	0.69	0.92	1349	0.72	0.96
897	1900	1116	0.57	0.76	1152	0.60	0.8	1189	0.63	0.84	1226	0.65	0.87	1262	0.68	0.91	1296	0.71	0.95	1329	0.74	0.99	1361	0.77	1.03
944	2000	1136	0.62	0.83	1172	0.65	0.87	1208	0.68	0.91	1245	0.70	0.94	1280	0.74	0.99	1313	0.77	1.03	1344	0.80	1.07	1375	0.83	1.11
Kit A06																									

## BLOWER DATA - BELT DRIVE - KHA/KHBO60 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP				
		Kit A03																							
		Field Furnished																							
755	1600	665	0.22	0.30	716	0.25	0.34	768	0.28	0.38	819	0.31	0.41	879	0.33	0.44	937	0.34	0.46	985	0.37	0.49	1022	0.39	0.52
802	1700	723	0.23	0.31	768	0.26	0.35	814	0.29	0.39	860	0.32	0.43	910	0.35	0.47	959	0.37	0.50	1001	0.40	0.54	1037	0.43	0.58
849	1800	779	0.24	0.32	818	0.28	0.37	857	0.31	0.41	897	0.34	0.46	939	0.37	0.50	980	0.41	0.55	1018	0.44	0.59	1054	0.48	0.64
897	1900	826	0.27	0.36	859	0.31	0.41	894	0.34	0.45	928	0.37	0.50	964	0.42	0.56	1000	0.46	0.61	1036	0.49	0.66	1072	0.52	0.70
944	2000	857	0.31	0.42	889	0.35	0.47	920	0.39	0.52	952	0.43	0.57	986	0.46	0.62	1020	0.51	0.68	1055	0.54	0.73	1091	0.57	0.77
991	2100	878	0.37	0.49	909	0.40	0.54	940	0.44	0.59	973	0.48	0.64	1006	0.52	0.70	1041	0.56	0.75	1076	0.60	0.80	1112	0.63	0.85
1038	2200	897	0.41	0.55	929	0.46	0.61	961	0.49	0.66	994	0.54	0.72	1028	0.58	0.78	1063	0.62	0.83	1099	0.66	0.89	1134	0.69	0.93
1085	2300	918	0.46	0.62	950	0.51	0.68	983	0.55	0.74	1017	0.60	0.80	1052	0.64	0.86	1087	0.69	0.92	1122	0.72	0.97	1157	0.76	1.02
1133	2400	941	0.52	0.70	974	0.57	0.77	1008	0.62	0.83	1042	0.67	0.90	1077	0.72	0.96	1111	0.75	1.01	1146	0.79	1.06	1181	0.83	1.11
		External Static - Pa (in.w.g.)																							
		Field Furnished																							
		Kit A07																							
		Field Furnished																							
L/s	cfm	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP	Rev/ min	kW	BHP
755	1600	1059	0.43	0.57	1098	0.46	0.61	1138	0.48	0.65	1177	0.51	0.68	1218	0.53	0.71	1257	0.56	0.75	1290	0.59	0.79	1319	0.62	0.83
802	1700	1074	0.46	0.62	1113	0.49	0.66	1152	0.52	0.70	1190	0.55	0.74	1231	0.57	0.77	1268	0.60	0.80	1299	0.63	0.84	1328	0.66	0.89
849	1800	1091	0.51	0.68	1129	0.54	0.72	1167	0.57	0.76	1205	0.60	0.80	1244	0.62	0.83	1280	0.65	0.87	1310	0.68	0.91	1338	0.71	0.95
897	1900	1109	0.56	0.75	1146	0.59	0.79	1183	0.61	0.82	1221	0.64	0.86	1260	0.67	0.90	1294	0.70	0.94	1323	0.73	0.98	1349	0.76	1.02
944	2000	1128	0.61	0.82	1164	0.64	0.86	1201	0.66	0.89	1239	0.69	0.93	1276	0.72	0.97	1310	0.75	1.01	1336	0.79	1.06	1362	0.82	1.1
991	2100	1148	0.66	0.89	1185	0.69	0.93	1221	0.72	0.97	1258	0.75	1.01	1294	0.78	1.05	1325	0.81	1.09	1351	0.85	1.14	1376	0.89	1.19
1038	2200	1170	0.72	0.97	1206	0.75	1.01	1242	0.78	1.05	1277	0.81	1.09	1311	0.85	1.14	1341	0.88	1.18	1365	0.92	1.23	1390	0.95	1.28
1085	2300	1193	0.79	1.06	1228	0.81	1.09	1262	0.85	1.14	1295	0.89	1.19	1327	0.93	1.24	1355	0.96	1.29	1380	0.99	1.33	1406	1.02	1.37
1133	2400	1216	0.86	1.15	1250	0.89	1.19	1282	0.93	1.24	1313	0.97	1.30	1343	1.01	1.36	1371	1.04	1.40	1396	1.07	1.44	1423	1.10	1.48

## BLOWER DATA - BELT DRIVE - KHA/KHB060 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in.w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
Kit A03																									
755	1600	712	0.22	0.29	758	0.24	0.32	807	0.27	0.36	855	0.29	0.39	906	0.32	0.43	955	0.34	0.46	997	0.37	0.50	1035	0.40	0.54
802	1700	766	0.24	0.32	808	0.27	0.36	850	0.30	0.40	892	0.33	0.44	936	0.35	0.47	978	0.38	0.51	1016	0.42	0.56	1052	0.45	0.60
849	1800	814	0.27	0.36	851	0.30	0.40	888	0.33	0.44	925	0.37	0.49	963	0.40	0.53	1000	0.43	0.57	1035	0.46	0.62	1071	0.49	0.66
897	1900	853	0.31	0.41	886	0.34	0.46	919	0.37	0.50	952	0.41	0.55	986	0.45	0.60	1021	0.48	0.64	1056	0.51	0.69	1091	0.54	0.73
944	2000	883	0.36	0.48	913	0.40	0.53	944	0.43	0.57	976	0.46	0.62	1009	0.50	0.67	1043	0.53	0.71	1078	0.57	0.76	1112	0.60	0.80
991	2100	906	0.42	0.56	936	0.45	0.60	967	0.48	0.65	999	0.52	0.70	1033	0.56	0.75	1067	0.59	0.79	1101	0.63	0.84	1135	0.66	0.88
1038	2200	930	0.48	0.64	960	0.51	0.68	991	0.54	0.73	1024	0.58	0.78	1058	0.62	0.83	1092	0.66	0.88	1126	0.69	0.92	1160	0.72	0.96
1085	2300	954	0.54	0.72	985	0.57	0.77	1017	0.61	0.82	1051	0.65	0.87	1085	0.69	0.92	1119	0.72	0.96	1152	0.75	1.00	1186	0.78	1.04
1133	2400	981	0.60	0.81	1013	0.64	0.86	1046	0.68	0.91	1079	0.72	0.96	1113	0.75	1.00	1146	0.78	1.05	1180	0.81	1.09	1213	0.84	1.13
External Static - Pa (in.w.g.)																									
Air Volume		External Static - Pa (in.w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
Kit A07																									
755	1600	1071	0.43	0.58	1109	0.46	0.62	1147	0.49	0.66	1186	0.51	0.69	1225	0.54	0.72	1263	0.57	0.76	1299	0.60	0.80	1334	0.62	0.83
802	1700	1088	0.48	0.64	1126	0.51	0.68	1164	0.54	0.72	1202	0.56	0.75	1240	0.58	0.78	1276	0.61	0.82	1311	0.64	0.86	1345	0.67	0.9
849	1800	1107	0.52	0.70	1143	0.55	0.74	1181	0.58	0.78	1219	0.60	0.81	1256	0.63	0.85	1291	0.66	0.89	1324	0.69	0.93	1357	0.72	0.97
897	1900	1126	0.57	0.77	1163	0.60	0.81	1200	0.63	0.85	1237	0.66	0.88	1273	0.69	0.92	1306	0.72	0.96	1339	0.75	1.00	1371	0.78	1.04
944	2000	1148	0.63	0.84	1183	0.66	0.88	1220	0.69	0.92	1257	0.72	0.96	1291	0.75	1.00	1323	0.78	1.04	1354	0.81	1.08	1385	0.84	1.12
991	2100	1170	0.69	0.92	1206	0.72	0.96	1242	0.75	1.00	1277	0.78	1.04	1310	0.81	1.08	1340	0.84	1.13	1371	0.87	1.17	1401	0.90	1.21
1038	2200	1195	0.75	1.00	1230	0.78	1.04	1265	0.81	1.08	1299	0.84	1.13	1330	0.88	1.18	1359	0.92	1.23	1388	0.95	1.27	1418	0.98	1.31
1085	2300	1220	0.81	1.08	1254	0.84	1.13	1288	0.87	1.17	1320	0.92	1.23	1350	0.95	1.28	1378	1.00	1.34	1406	1.03	1.38	1435	1.06	1.42
1133	2400	1245	0.88	1.18	1278	0.91	1.22	1311	0.95	1.28	1341	0.99	1.33	1370	1.04	1.40	1397	1.08	1.45	1425	1.12	1.50	1454	1.15	1.54

## BLOWER DATA - BELT DRIVE - KHA072 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in. w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
<b>Kit A08</b>																									
897	1900	826	0.27	0.36	859	0.31	0.41	894	0.34	0.45	928	0.37	0.50	964	0.42	0.56	1000	0.46	0.61	1036	0.49	0.66	1072	0.52	0.70
944	2000	857	0.31	0.42	889	0.35	0.47	920	0.39	0.52	952	0.43	0.57	986	0.46	0.62	1020	0.51	0.68	1055	0.54	0.73	1091	0.57	0.77
991	2100	878	0.37	0.49	909	0.40	0.54	940	0.44	0.59	973	0.48	0.64	1006	0.52	0.70	1041	0.56	0.75	1076	0.60	0.80	1112	0.63	0.85
1038	2200	897	0.41	0.55	929	0.46	0.61	961	0.49	0.66	994	0.54	0.72	1028	0.58	0.78	1063	0.62	0.83	1099	0.66	0.89	1134	0.69	0.93
1085	2300	918	0.46	0.62	950	0.51	0.68	983	0.55	0.74	1017	0.60	0.80	1052	0.64	0.86	1087	0.69	0.92	1122	0.72	0.97	1157	0.76	1.02
1133	2400	941	0.52	0.70	974	0.57	0.77	1008	0.62	0.83	1042	0.67	0.90	1077	0.72	0.96	1111	0.75	1.01	1146	0.79	1.06	1181	0.83	1.11
1180	2500	966	0.59	0.79	1000	0.64	0.86	1034	0.69	0.93	1068	0.75	1.00	1103	0.79	1.06	1137	0.83	1.11	1171	0.87	1.16	1205	0.90	1.20
1227	2600	994	0.67	0.90	1028	0.72	0.97	1062	0.78	1.04	1096	0.82	1.10	1130	0.87	1.16	1164	0.90	1.21	1197	0.94	1.26	1231	0.97	1.30
1274	2700	1023	0.75	1.01	1057	0.81	1.08	1091	0.86	1.15	1125	0.91	1.22	1159	0.95	1.27	1192	0.98	1.32	1225	1.02	1.37	1258	1.05	1.41
1321	2800	1053	0.84	1.13	1088	0.90	1.21	1122	0.95	1.27	1155	0.99	1.33	1188	1.04	1.39	1221	1.07	1.43	1253	1.10	1.48	1286	1.14	1.53
1369	2900	1085	0.94	1.26	1119	0.99	1.33	1153	1.04	1.40	1186	1.08	1.45	1218	1.13	1.51	1250	1.16	1.55	1281	1.20	1.61	1313	1.24	1.66
<b>External Static - Pa (in. w.g.)</b>																									
Air Volume		External Static - Pa (in. w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP						
<b>Kit A08</b>																									
897	1900	1109	0.56	0.75	1146	0.59	0.79	1183	0.61	0.82	1221	0.64	0.86	1260	0.67	0.90	1294	0.70	0.94	1323	0.73	0.98	1349	0.76	1.02
944	2000	1128	0.61	0.82	1164	0.64	0.86	1201	0.66	0.89	1239	0.69	0.93	1276	0.72	0.97	1310	0.75	1.01	1336	0.79	1.06	1362	0.82	1.10
991	2100	1148	0.66	0.89	1185	0.69	0.93	1221	0.72	0.97	1258	0.75	1.01	1294	0.78	1.05	1325	0.81	1.09	1351	0.85	1.14	1376	0.89	1.19
1038	2200	1170	0.72	0.97	1206	0.75	1.01	1242	0.78	1.05	1277	0.81	1.09	1311	0.85	1.14	1341	0.88	1.18	1365	0.92	1.23	1390	0.95	1.28
1085	2300	1193	0.79	1.06	1228	0.81	1.09	1262	0.85	1.14	1295	0.89	1.19	1327	0.93	1.24	1355	0.96	1.29	1380	0.99	1.33	1406	1.02	1.37
1133	2400	1216	0.86	1.15	1250	0.89	1.19	1282	0.93	1.24	1313	0.97	1.30	1343	1.01	1.36	1371	1.04	1.40	1396	1.07	1.44	1423	1.10	1.48
1180	2500	1240	0.93	1.24	1273	0.96	1.29	1302	1.01	1.36	1331	1.06	1.42	1360	1.10	1.48	1388	1.13	1.52	1414	1.16	1.55	1441	1.18	1.58
1227	2600	1265	1.00	1.34	1296	1.04	1.40	1324	1.10	1.47	1352	1.15	1.54	1381	1.19	1.60	1408	1.22	1.64	1434	1.25	1.67	1460	1.27	1.70
1274	2700	1291	1.09	1.46	1321	1.13	1.52	1347	1.19	1.60	1374	1.25	1.67	1403	1.28	1.72	1429	1.31	1.76	1455	1.34	1.79	1481	1.36	1.82
1321	2800	1317	1.18	1.58	1346	1.24	1.66	1372	1.30	1.74	1399	1.34	1.80	1426	1.38	1.85	1451	1.41	1.89	1477	1.43	1.92	1503	1.45	1.95
1369	2900	1343	1.28	1.72	1371	1.34	1.80	1397	1.40	1.88	1424	1.45	1.95	1450	1.48	1.99	1475	1.51	2.02	1500	1.53	2.05	1526	1.55	2.08
<b>Kit A09</b>																									
Field Furnished																									

## BLOWER DATA - BELT DRIVE - KHA072 - 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 31 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in. w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW						
<b>Kit A08</b>																									
897	1900	853	0.31	0.41	886	0.34	0.46	919	0.37	0.50	952	0.41	0.55	986	0.45	0.60	1021	0.48	0.64	1056	0.51	0.69	1091	0.54	0.73
944	2000	883	0.36	0.48	913	0.40	0.53	944	0.43	0.57	976	0.46	0.62	1009	0.50	0.67	1043	0.53	0.71	1078	0.57	0.76	1112	0.60	0.80
991	2100	906	0.42	0.56	936	0.45	0.60	967	0.48	0.65	999	0.52	0.70	1033	0.56	0.75	1067	0.59	0.79	1101	0.63	0.84	1135	0.66	0.88
1038	2200	930	0.48	0.64	960	0.51	0.68	991	0.54	0.73	1024	0.58	0.78	1058	0.62	0.83	1092	0.66	0.88	1126	0.69	0.92	1160	0.72	0.96
1085	2300	954	0.54	0.72	985	0.57	0.77	1017	0.61	0.82	1051	0.65	0.87	1085	0.69	0.92	1119	0.72	0.96	1152	0.75	1.00	1186	0.78	1.04
1133	2400	981	0.60	0.81	1013	0.64	0.86	1046	0.68	0.91	1079	0.72	0.96	1113	0.75	1.00	1146	0.78	1.05	1180	0.81	1.09	1213	0.84	1.13
1180	2500	1010	0.68	0.91	1042	0.72	0.96	1075	0.75	1.00	1109	0.78	1.05	1142	0.81	1.09	1175	0.85	1.14	1207	0.88	1.18	1239	0.92	1.23
1227	2600	1040	0.75	1.01	1073	0.78	1.05	1106	0.82	1.10	1139	0.85	1.14	1171	0.89	1.19	1203	0.92	1.23	1235	0.95	1.28	1266	0.99	1.33
1274	2700	1072	0.82	1.10	1104	0.86	1.15	1137	0.90	1.20	1169	0.93	1.24	1201	0.96	1.29	1232	1.00	1.34	1263	1.04	1.40	1293	1.09	1.46
1321	2800	1105	0.90	1.21	1137	0.93	1.25	1168	0.97	1.30	1200	1.01	1.35	1231	1.04	1.40	1261	1.09	1.46	1291	1.13	1.52	1321	1.19	1.59
1369	2900	1138	0.98	1.32	1169	1.02	1.37	1200	1.06	1.42	1231	1.10	1.47	1261	1.14	1.53	1291	1.19	1.60	1321	1.24	1.66	1350	1.29	1.73
<b>External Static - Pa (in. w.g.)</b>																									
Air Volume		300 (1.20)												325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)					
		Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW						
L/s	cfm	<b>Field Furnished</b>																							
897	1900	1126	0.57	0.77	1163	0.60	0.81	1200	0.63	0.85	1237	0.66	0.88	1273	0.69	0.92	1306	0.72	0.96	1339	0.75	1.00	1371	0.78	1.04
944	2000	1148	0.63	0.84	1183	0.66	0.88	1220	0.69	0.92	1257	0.72	0.96	1291	0.75	1.00	1323	0.78	1.04	1354	0.81	1.08	1385	0.84	1.12
991	2100	1170	0.69	0.92	1206	0.72	0.96	1242	0.75	1.00	1277	0.78	1.04	1310	0.81	1.08	1340	0.84	1.13	1371	0.87	1.17	1401	0.90	1.21
1038	2200	1195	0.75	1.00	1230	0.78	1.04	1265	0.81	1.08	1299	0.84	1.13	1330	0.88	1.18	1359	0.92	1.23	1388	0.95	1.27	1418	0.98	1.31
1085	2300	1220	0.81	1.08	1254	0.84	1.13	1288	0.87	1.17	1320	0.92	1.23	1350	0.95	1.28	1378	1.00	1.34	1406	1.03	1.38	1435	1.06	1.42
1133	2400	1245	0.88	1.18	1278	0.91	1.22	1311	0.95	1.28	1341	0.99	1.33	1370	1.04	1.40	1397	1.08	1.45	1425	1.12	1.50	1454	1.15	1.54
1180	2500	1271	0.95	1.28	1303	0.99	1.33	1334	1.04	1.39	1363	1.08	1.45	1391	1.13	1.52	1418	1.17	1.57	1446	1.21	1.62	1474	1.24	1.66
1227	2600	1297	1.04	1.39	1328	1.08	1.45	1357	1.13	1.52	1385	1.18	1.58	1412	1.22	1.64	1439	1.27	1.70	1467	1.30	1.74	1495	1.33	1.78
1274	2700	1323	1.13	1.52	1353	1.18	1.58	1382	1.23	1.65	1409	1.28	1.72	1435	1.32	1.77	1462	1.36	1.82	1490	1.39	1.86	1517	1.42	1.90
1321	2800	1351	1.23	1.65	1380	1.28	1.72	1407	1.33	1.78	1434	1.38	1.85	1460	1.42	1.90	1486	1.45	1.95	1513	1.48	1.99	1541	1.51	2.02
1369	2900	1379	1.34	1.79	1407	1.39	1.86	1434	1.43	1.92	1460	1.48	1.98	1485	1.52	2.04	1511	1.55	2.08	1538	1.58	2.12	1565	1.60	2.15

## BLOWER DATA - BELT DRIVE - KHBO74 - 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 34 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in. w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP								
Field Furnished																									
897	1900	826	0.27	0.36	859	0.31	0.41	894	0.34	0.45	928	0.37	0.50	964	0.42	0.56	1000	0.46	0.61	1036	0.49	0.66	1072	0.52	0.70
944	2000	857	0.31	0.42	889	0.35	0.47	920	0.39	0.52	952	0.43	0.57	986	0.46	0.62	1020	0.51	0.68	1055	0.54	0.73	1091	0.57	0.77
991	2100	878	0.37	0.49	909	0.40	0.54	940	0.44	0.59	973	0.48	0.64	1006	0.52	0.70	1041	0.56	0.75	1076	0.60	0.80	1112	0.63	0.85
1038	2200	897	0.41	0.55	929	0.46	0.61	961	0.49	0.66	994	0.54	0.72	1028	0.58	0.78	1063	0.62	0.83	1099	0.66	0.89	1134	0.69	0.93
1085	2300	918	0.46	0.62	950	0.51	0.68	983	0.55	0.74	1017	0.60	0.80	1052	0.64	0.86	1087	0.69	0.92	1122	0.72	0.97	1157	0.76	1.02
1133	2400	941	0.52	0.70	974	0.57	0.77	1008	0.62	0.83	1042	0.67	0.90	1077	0.72	0.96	1111	0.75	1.01	1146	0.79	1.06	1181	0.83	1.11
1180	2500	966	0.59	0.79	1000	0.64	0.86	1034	0.69	0.93	1068	0.75	1.00	1103	0.79	1.06	1137	0.83	1.11	1171	0.87	1.16	1205	0.90	1.20
1227	2600	994	0.67	0.90	1028	0.72	0.97	1062	0.78	1.04	1096	0.82	1.10	1130	0.87	1.16	1164	0.90	1.21	1197	0.94	1.26	1231	0.97	1.30
1274	2700	1023	0.75	1.01	1057	0.81	1.08	1091	0.86	1.15	1125	0.91	1.22	1159	0.95	1.27	1192	0.98	1.32	1225	1.02	1.37	1258	1.05	1.41
1321	2800	1053	0.84	1.13	1088	0.90	1.21	1122	0.95	1.27	1155	0.99	1.33	1188	1.04	1.39	1221	1.07	1.43	1253	1.10	1.48	1286	1.14	1.53
1369	2900	1085	0.94	1.26	1119	0.99	1.33	1153	1.04	1.40	1186	1.08	1.45	1218	1.13	1.51	1250	1.16	1.55	1281	1.20	1.61	1313	1.24	1.66
External Static - Pa (in. w.g.)																									
Air Volume		External Static - Pa (in. w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP	Rev/min	BHP								
Kit A04																									
897	1900	1109	0.56	0.75	1146	0.59	0.79	1183	0.61	0.82	1221	0.64	0.86	1260	0.67	0.90	1294	0.70	0.94	1323	0.73	0.98	1349	0.76	1.02
944	2000	1128	0.61	0.82	1164	0.64	0.86	1201	0.66	0.89	1239	0.69	0.93	1276	0.72	0.97	1310	0.75	1.01	1336	0.79	1.06	1362	0.82	1.10
991	2100	1148	0.66	0.89	1185	0.69	0.93	1221	0.72	0.97	1258	0.75	1.01	1294	0.78	1.05	1325	0.81	1.09	1351	0.85	1.14	1376	0.89	1.19
1038	2200	1170	0.72	0.97	1206	0.75	1.01	1242	0.78	1.05	1277	0.81	1.09	1311	0.85	1.14	1341	0.88	1.18	1365	0.92	1.23	1390	0.95	1.28
1085	2300	1193	0.79	1.06	1228	0.81	1.09	1262	0.85	1.14	1295	0.89	1.19	1327	0.93	1.24	1355	0.96	1.29	1380	0.99	1.33	1406	1.02	1.37
1133	2400	1216	0.86	1.15	1250	0.89	1.19	1282	0.93	1.24	1313	0.97	1.30	1343	1.01	1.36	1371	1.04	1.40	1396	1.07	1.44	1423	1.10	1.48
1180	2500	1240	0.93	1.24	1273	0.96	1.29	1302	1.01	1.36	1331	1.06	1.42	1360	1.10	1.48	1388	1.13	1.52	1414	1.16	1.55	1441	1.18	1.58
1227	2600	1265	1.00	1.34	1296	1.04	1.40	1324	1.10	1.47	1352	1.15	1.54	1381	1.19	1.60	1408	1.22	1.64	1434	1.25	1.67	1460	1.27	1.70
1274	2700	1291	1.09	1.46	1321	1.13	1.52	1347	1.19	1.60	1374	1.25	1.67	1403	1.28	1.72	1429	1.31	1.76	1455	1.34	1.79	1481	1.36	1.82
1321	2800	1317	1.18	1.58	1346	1.24	1.66	1372	1.30	1.74	1399	1.34	1.80	1426	1.38	1.85	1451	1.41	1.89	1477	1.43	1.92	1503	1.45	1.95
1369	2900	1343	1.28	1.72	1371	1.34	1.80	1397	1.40	1.88	1424	1.45	1.95	1450	1.48	1.99	1475	1.51	2.02	1500	1.53	2.05	1526	1.55	2.08



## BLOWER DATA - BELT DRIVE - KHBO74 - 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 34 for blower motors and drives and wet coil and options/accessory air resistance data.

Air Volume		External Static - Pa (in. w.g.)																							
		25 (0.10)		50 (0.20)		75 (0.30)		100 (0.40)		125 (0.50)		150 (0.60)		175 (0.70)		200 (0.80)									
L/s	cfm	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP				
		Field Furnished																							
897	1900	853	0.31	0.41	886	0.34	0.46	0.37	0.50	952	0.41	0.55	0.45	0.60	1021	0.48	0.64	1056	0.51	0.69	1091	0.54	0.73		
944	2000	883	0.36	0.48	913	0.40	0.53	0.43	0.57	976	0.46	0.62	1009	0.50	1043	0.53	0.71	1078	0.57	0.76	1112	0.60	0.80		
991	2100	906	0.42	0.56	936	0.45	0.60	0.48	0.65	999	0.52	0.70	1033	0.56	1067	0.59	0.79	1101	0.63	0.84	1135	0.66	0.88		
1038	2200	930	0.48	0.64	960	0.51	0.68	0.54	0.73	1024	0.58	0.78	1058	0.62	1092	0.66	0.88	1126	0.69	0.92	1160	0.72	0.96		
1085	2300	954	0.54	0.72	985	0.57	0.77	0.61	0.82	1051	0.65	0.87	1085	0.69	1119	0.72	0.96	1152	0.75	1.00	1186	0.78	1.04		
1133	2400	981	0.60	0.81	1013	0.64	0.86	0.68	0.91	1079	0.72	0.96	1113	0.75	1146	0.78	1.05	1180	0.81	1.09	1213	0.84	1.13		
1180	2500	1010	0.68	0.91	1042	0.72	0.96	0.75	1.00	1109	0.78	1.05	1142	0.81	1175	0.85	1.14	1207	0.88	1.18	1239	0.92	1.23		
1227	2600	1040	0.75	1.01	1073	0.78	1.05	0.82	1.10	1139	0.85	1.14	1171	0.89	1203	0.92	1.23	1235	0.95	1.28	1266	0.99	1.33		
1274	2700	1072	0.82	1.10	1104	0.86	1.15	0.90	1.20	1169	0.93	1.24	1201	0.96	1232	1.00	1.34	1263	1.04	1.40	1293	1.09	1.46		
1321	2800	1105	0.90	1.21	1137	0.93	1.25	1.06	1.30	1200	1.01	1.35	1231	1.04	1261	1.09	1.46	1291	1.13	1.52	1321	1.19	1.59		
1369	2900	1138	0.98	1.32	1169	1.02	1.37	1.20	1.42	1231	1.10	1.47	1261	1.14	1291	1.19	1.60	1321	1.24	1.66	1350	1.29	1.73		
		External Static - Pa (in. w.g.)																							
		225 (0.90)		250 (1.00)		275 (1.10)		300 (1.20)		325 (1.30)		350 (1.40)		375 (1.50)		400 (1.60)									
L/s	cfm	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	kW	Rev/ min	BHP	
		Kit A04																							
897	1900	1126	0.57	0.77	1163	0.60	0.81	1200	0.63	0.85	1237	0.66	0.88	1273	0.69	0.92	1306	0.72	0.96	1339	0.75	1.00	1371	0.78	1.04
944	2000	1148	0.63	0.84	1183	0.66	0.88	1220	0.69	0.92	1257	0.72	0.96	1291	0.75	1.00	1323	0.78	1.04	1354	0.81	1.08	1385	0.84	1.12
991	2100	1170	0.69	0.92	1206	0.72	0.96	1242	0.75	1.00	1277	0.78	1.04	1310	0.81	1.08	1340	0.84	1.13	1371	0.87	1.17	1401	0.90	1.21
1038	2200	1195	0.75	1.00	1230	0.78	1.04	1265	0.81	1.08	1299	0.84	1.13	1330	0.88	1.18	1359	0.92	1.23	1388	0.95	1.27	1418	0.98	1.31
1085	2300	1220	0.81	1.08	1254	0.84	1.13	1288	0.87	1.17	1320	0.92	1.23	1350	0.95	1.28	1378	1.00	1.34	1406	1.03	1.38	1435	1.06	1.42
1133	2400	1245	0.88	1.18	1278	0.91	1.22	1311	0.95	1.28	1341	0.99	1.33	1370	1.04	1.40	1397	1.08	1.45	1425	1.12	1.50	1454	1.15	1.54
1180	2500	1271	0.95	1.28	1303	0.99	1.33	1334	1.04	1.39	1363	1.08	1.45	1391	1.13	1.52	1418	1.17	1.57	1446	1.21	1.62	1474	1.24	1.66
1227	2600	1297	1.04	1.39	1328	1.08	1.45	1357	1.13	1.52	1385	1.18	1.58	1412	1.22	1.64	1439	1.27	1.70	1467	1.30	1.74	1495	1.33	1.78
1274	2700	1323	1.13	1.52	1353	1.18	1.58	1382	1.23	1.65	1409	1.28	1.72	1435	1.32	1.77	1462	1.36	1.82	1490	1.39	1.86	1517	1.42	1.90
1321	2800	1351	1.23	1.65	1380	1.28	1.72	1407	1.33	1.78	1434	1.38	1.85	1460	1.42	1.90	1486	1.45	1.95	1513	1.48	1.99	1541	1.51	2.02
1369	2900	1379	1.34	1.79	1407	1.39	1.86	1434	1.43	1.92	1460	1.48	1.98	1485	1.52	2.04	1511	1.55	2.08	1538	1.58	2.12	1565	1.60	2.15

## BLOWER DATA

### BELT DRIVE KIT SPECIFICATIONS

Model No.	Motor kW (HP)		No. of Speeds	Drive Kits and Rev/Min Range								
	Nominal	Max		A01	A02	A03	A04	A05	A06	A07	A08	A09
036	1.5 (2)	1.7 (2.3)	1	561-842	---	---	---	748 -1122	---	---	---	---
048	1.5 (2)	1.7 (2.3)	1	---	621 - 931	---	---	---	893 - 1191	---	---	---
060	1.5 (2)	1.7 (2.3)	1	---	---	694 - 1042	---	---	---	1010 - 1290	---	---
072	1.5 (2)	1.7 (2.3)	1	---	---	---	807 - 1117	---	---	---	994 - 1326	1193 - 1524
074	1.5 (2)	1.7 (2.3)	2	---	---	---	807 - 1117	---	---	---	994 - 1326	---

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

Air Volume		Wet Indoor Coil				Economizer		Electric Heat		Filters			
		036-048		060-072-074						MERV 8		MERV 13	
L/s	cfm	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.
375	800	2	0.01	2	0.01	10	0.04	2	0.01	7	0.04	12	0.05
470	1000	5	0.02	2	0.01	10	0.04	7	0.03	7	0.04	17	0.07
565	1200	5	0.02	2	0.01	10	0.04	15	0.06	7	0.04	17	0.07
660	1400	7	0.03	5	0.02	10	0.04	22	0.09	7	0.04	17	0.07
755	1600	10	0.04	7	0.03	10	0.04	30	0.12	7	0.04	17	0.07
850	1800	12	0.05	7	0.04	12	0.05	37	0.15	12	0.05	17	0.07
945	2000	15	0.06	12	0.05	12	0.05	45	0.18	12	0.05	20	0.08
1040	2200	20	0.08	15	0.06	12	0.05	50	0.20	12	0.05	20	0.08
1130	2400	22	0.09	17	0.07	12	0.05	55	0.22	12	0.05	20	0.08
1225	2600	25	0.10	20	0.08	15	0.06	60	0.24	12	0.05	20	0.08
1320	2800	27	0.11	22	0.09	15	0.06	65	0.26	12	0.05	20	0.08
1415	3000	30	0.13	25	0.10	15	0.06	70	0.28	12	0.05	20	0.08

### POWER EXHAUST FAN PERFORMANCE

Return Air System Static Pressure		Air Volume Exhausted	
Pa	in. w.g.	L/s	cfm
0	0.00	944	2000
12	0.05	939	1990
25	0.10	908	1924
37	0.15	854	1810
50	0.20	785	1664
62	0.25	711	1507
75	0.30	637	1350
87	0.35	571	1210

## BLOWER DATA

### CEILING DIFFUSERS AIR RESISTANCE

Air Volume		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			
L/s	cfm	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.
375	800	37	0.15	32	0.13	27	0.11	27	0.11	---	---	---	---	---	---	---	---
470	1000	47	0.19	40	0.16	35	0.14	35	0.14	---	---	---	---	---	---	---	---
565	1200	62	0.25	50	0.20	42	0.17	42	0.17	---	---	---	---	---	---	---	---
660	1400	82	0.33	65	0.26	50	0.20	50	0.20	---	---	---	---	---	---	---	---
755	1600	107	0.43	80	0.32	50	0.20	50	0.24	---	---	---	---	---	---	---	---
850	1800	139	0.56	99	0.40	75	0.30	75	0.30	32	0.13	27	0.11	22	0.09	22	0.09
945	2000	182	0.73	124	0.50	90	0.36	90	0.36	37	0.15	32	0.13	27	0.11	25	0.10
1040	2200	236	0.95	157	0.63	109	0.44	109	0.44	45	0.18	37	0.15	30	0.12	30	0.12
1130	2400	---	---	---	---	---	---	---	---	52	0.21	45	0.18	37	0.15	35	0.14
1225	2600	---	---	---	---	---	---	---	---	60	0.24	52	0.21	45	0.18	42	0.17
1320	2800	---	---	---	---	---	---	---	---	67	0.27	60	0.24	52	0.21	50	0.20
1415	3000	---	---	---	---	---	---	---	---	80	0.32	72	0.29	62	0.25	62	0.25

### CEILING DIFFUSER AIR THROW DATA

Air Volume		<sup>1</sup> Effective Throw			
Model No.		RTD9-65S		FD9-65S	
L/s	cfm	m	ft.	m	ft.
375	800	3 - 5	10 - 17	4 - 5	14 - 18
470	1000	3 - 5	10 - 17	5 - 6	15 - 20
565	1200	3 - 5	11 - 18	5 - 7	16 - 22
660	1400	4 - 6	12 - 19	5 - 7	17 - 24
755	1600	4 - 6	12 - 20	5 - 8	18 - 25
850	1800	4 - 6	13 - 21	6 - 9	20 - 28
945	2000	4 - 7	14 - 23	6 - 9	21 - 29
1040	2200	5 - 8	16 - 25	7 - 9	22 - 30
Model No.		RTD11-95S		FD11-95S	
1225	2600	7 - 9	24 - 29	6 - 7	19 - 24
1320	2800	8 - 9	25 - 30	6 - 9	20 - 28
1415	3000	8 - 10	27 - 33	6 - 9	21 - 29

<sup>1</sup> Effective throw based on terminal velocities of 23 m per minute ( 75 ft. per minute).

## ELECTRICAL DATA - KHA

Model No.		KHA036S4	KHA048S4	KHA060S4	KHA072S4
<sup>1</sup> Voltage - 50hz with Neutral		380/420V - 3 Ph	380/420V - 3 Ph	380/420V - 3 Ph	380/420V - 3 Ph
Compressor	Rated Load Amps	5.4	6.1	7.8	9.7
	Locked Rotor Amps	38	43	51.5	64
Outdoor Fan Motor	Full Load Amps	1.1	1.1	1.3	1.5
Power Exhaust (1) 0.25 kW	Full Load Amps	1.3	1.3	1.3	1.3
Indoor Blower Motor	kW	1.5	1.5	1.5	1.5
	Full Load Amps	3.6	3.6	3.6	3.6
<sup>2</sup> Maximum Overcurrent Protection	Unit Only	15	15	20	25
	With (1) 0.25 kW Power Exhaust	15	15	20	25
<sup>3</sup> Minimum Circuit Ampacity	Unit Only	12	13	15	18
	With (1) 0.25 kW Power Exhaust	13	14	16	19

## ELECTRIC HEAT DATA

Electric Heat Voltage			420V	420V	420V	420V
<sup>2</sup> Maximum Overcurrent Protection	Unit+ 5.7 kW		25	25	30	30
	<sup>4</sup> Electric Heat 11.5 kW		35	35	35	40
	17.2 kW		---	---	45	50
	23 kW		---	---	---	60
<sup>3</sup> Minimum Circuit Ampacity	Unit+ 5.7 kW		22	23	25	28
	<sup>4</sup> Electric Heat 11.5 kW		32	33	35	37
	17.2 kW		---	---	45	47
	23 kW		---	---	---	57
<sup>2</sup> Maximum Overcurrent Protection	Unit+ 5.7 kW		25	25	30	35
	<sup>4</sup> Electric Heat and (1) 0.25 kW Power Exhaust 11.5 kW		35	35	40	40
	17.2 kW		---	---	50	50
	23 kW		---	---	---	60
<sup>3</sup> Minimum Circuit Ampacity	Unit+ 5.7 kW		23	24	26	29
	<sup>4</sup> Electric Heat and (1) 0.25 kW Power Exhaust 11.5 kW		33	34	36	39
	17.2 kW		---	---	46	49
	23 kW		---	---	---	58

<sup>1</sup> Extremes of operating range are plus and minus 10% of line voltage.

<sup>2</sup> Heating, Air Conditioning, Refrigeration type breaker or fuse.

<sup>3</sup> Refer to local electrical code to determine wire, fuse and disconnect size requirements.

<sup>4</sup> Nominal kW based on 420V-3ph-50hz.

## ELECTRICAL DATA - KHB

Model No.		KHB036S4	KHB048S4	KHB060S4	KHB074S4
<sup>1</sup> Voltage - 50hz with Neutral		380/420V - 3 Ph	380/420V - 3 Ph	380/420V - 3 Ph	380/420V - 3 Ph
Compressor	Rated Load Amps	4	5.5	8	9.7
	Locked Rotor Amps	31	37	59	64
Outdoor Fan Motor	Full Load Amps	1.1	1.1	1.3	1.5
Power Exhaust (1) 0.25 kW	Full Load Amps	1.3	1.3	1.3	1.3
Indoor Blower Motor	kW	1.5	1.5	1.5	1.5
	Full Load Amps	3.6	3.6	3.6	3.6
<sup>2</sup> Maximum Overcurrent Protection	Unit Only	15	15	20	25
	With (1) 0.25 kW Power Exhaust	15	15	20	25
<sup>3</sup> Minimum Circuit Ampacity	Unit Only	10	12	15	18
	With (1) 0.25 kW Power Exhaust	11	13	17	19

## ELECTRIC HEAT DATA

Electric Heat Voltage			420V	420V	420V	420V
<sup>2</sup> Maximum Overcurrent Protection	Unit+	5.7 kW	20	25	30	30
	<sup>4</sup> Electric Heat	11.5 kW	30	35	35	40
		17.2 kW	---	---	45	50
		23 kW	---	---	---	60
<sup>3</sup> Minimum Circuit Ampacity	Unit+	5.7 kW	20	22	25	28
	<sup>4</sup> Electric Heat	11.5 kW	30	32	35	37
		17.2 kW	---	---	45	47
		23 kW	---	---	---	57
<sup>2</sup> Maximum Overcurrent Protection	Unit+	5.7 kW	25	25	30	35
	<sup>4</sup> Electric Heat	11.5 kW	35	35	40	40
	and (1) 0.25 kW Power Exhaust	17.2 kW	---	---	50	50
		23 kW	---	---	---	60
<sup>3</sup> Minimum Circuit Ampacity	Unit+	5.7 kW	21	23	27	29
	<sup>4</sup> Electric Heat	11.5 kW	31	33	36	39
	and (1) 0.25 kW Power Exhaust	17.2 kW	---	---	46	49
		23 kW	---	---	---	58

<sup>1</sup> Extremes of operating range are plus and minus 10% of line voltage.

<sup>2</sup> Heating, Air Conditioning, Refrigeration type breaker or fuse.

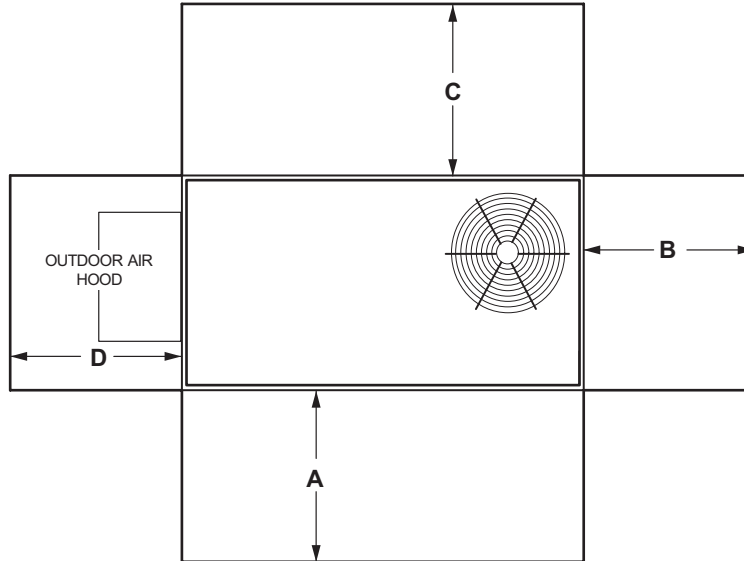
<sup>3</sup> Refer to local electrical code to determine wire, fuse and disconnect size requirements.

<sup>4</sup> Nominal kW based on 420V-3ph-50hz.

## ELECTRIC HEAT CAPACITIES

Input Voltage	5.7 kW			11.5 kW			17.2 kW			23 kW		
	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output	No of Steps	kW input	Btuh Output
380	1	4.7	16 100	1	9.4	32 100	1	14.1	48 200	1	18.8	64 200
400	1	5.2	17 800	1	10.4	35 500	1	15.6	53 300	1	20.9	71 400
420	1	5.7	19 500	1	11.5	39 300	1	17.2	58 800	1	23.0	78 500

## UNIT CLEARANCES - MM (INCHES)



<sup>1</sup> Unit Clearance	A		B		C		D		Top Clearance
	mm	in.	mm	in.	mm	in.	mm	in.	
<b>Service Clearance</b>	914	36	914	36	914	36	914	36	Unobstructed
<b>Minimum Operation Clearance</b>	914	36	914	36	914	36	914	36	

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

<sup>1</sup> Service Clearance - Required for removal of serviceable parts.

Minimum Operation Clearance - Required clearance for proper unit operation.

## OUTDOOR SOUND DATA

<sup>1</sup> Unit Model No.	Octave Band Linear Sound Power Levels dBA, re 10 <sup>-12</sup> Watts - Center Frequency - Hz							<sup>1</sup> Sound Rating Number (SRN) (dBA)
	125	250	500	1000	2000	4000	8000	
<b>KHA036 and 048</b>	63	66	70	71	68	62	53	75
<b>KHB024, 030, 036</b>	62	67	72	69	66	61	56	75
<b>KHB048</b>	61	67	70	70	68	63	56	75
<b>KHA060</b>	67	72	77	76	73	68	61	82
<b>KHB060</b>	69	72	75	74	70	65	55	80
<b>KHA072</b>	67	75	78	78	75	68	59	83
<b>KHB074</b>	67	75	78	78	75	68	59	83

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

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

## OPTIONAL CONVENTIONAL TEMPERATURE CONTROL SYSTEMS

Item	Model No.	Catalog No.
<p><b>COMFORTSENSE® 7500 COMMERCIAL 7-DAY PROGRAMMABLE THERMOSTAT</b></p>  <ul style="list-style-type: none"> <li>• Four-Stage Heating / Two-Stage Cooling Universal Multi-Stage</li> <li>• Intuitive Touchscreen Interface</li> <li>• Remote Indoor Temperature Sensing with Averaging</li> <li>• Outside or Discharge Air Temperature Display</li> <li>• Full Seven-Day Programming</li> <li>• Four Time Periods Per Day</li> <li>• Occupancy Scheduling with Economizer Relay Control</li> <li>• Away Mode</li> <li>• Holiday Scheduling</li> <li>• Smooth Setback Recovery (SSR)</li> <li>• Performance Reports</li> <li>• Notifications/Reminders</li> <li>• Dehumidification/Humiditrol® Control for Split Systems and Rooftop Units</li> <li>• Economizer Relay Control</li> <li>• Backlit Display</li> <li>• Wallplate Furnished</li> </ul>	COSTAT06FF1L	13H15
<p><b>Optional Accessories</b></p> <p><sup>1</sup> Remote non-adjustable wall mount 20k temperature sensor</p> <p><sup>1</sup> Remote non-adjustable wall mount 10k temperature sensor</p> <p>Remote non-adjustable discharge air (duct mount) temperature sensor</p> <p>Outdoor temperature sensor</p> <p>Locking cover (clear)</p> <p><sup>1</sup> Remote sensors can be applied in any of the following combinations:            One Sensor - (1) 47W36            Two Sensors - (2) 47W37            Three Sensors - (2) 47W36 and (1) 47W37            Four Sensors - (4) 47W36            Five Sensors - (3) 47W36 and (2) 47W37</p>	<p>COSNZN01AE2-</p> <p>COSNZN73AE1-</p> <p>C0SNDC00AE1-</p> <p>C0SNSR03AE1-</p> <p>C0MISC15AE1-</p>	<p>47W36</p> <p>47W37</p> <p>19L22</p> <p>X2658</p> <p>39P21</p>
<p><b>COMFORTSENSE® 3000 COMMERCIAL 5-2 DAY PROGRAMMABLE THERMOSTAT</b></p>  <ul style="list-style-type: none"> <li>• Two-Stage Heating / Two-Stage Cooling Conventional Systems</li> <li>• Intuitive Interface</li> <li>• 5-2 Day Programming</li> <li>• Program Hold</li> <li>• Remote Indoor Temperature Sensing</li> <li>• Smooth Setback Recovery (SSR)</li> <li>• Economizer Relay Control</li> <li>• Maintenance/Filter/Service Reminders</li> <li>• Backlit Display</li> <li>• Wallplate Furnished</li> <li>• Simple Up and Down Temperature Control.</li> </ul>	COSTAT05FF1L	11Y05
<p><b>Optional Accessories</b></p> <p>Remote non-adjustable wall mount 10k averaging temperature sensor</p> <p>Optional wall mounting plate</p>	<p>C0SNZN73AE1-</p> <p>C0MISC17AE1-</p>	<p>47W37</p> <p>X2659</p>
<p><b>DIGITAL NON-PROGRAMMABLE THERMOSTAT</b></p>  <ul style="list-style-type: none"> <li>• One-Stage Heating / Cooling Conventional Systems</li> <li>• Intuitive Interface</li> <li>• Automatic Changeover</li> <li>• Backlit Display</li> <li>• Simple Up and Down Temperature Control.</li> </ul>	COSTAT12AE1L	51M32
<p><b>Optional Accessories</b></p> <p>Outdoor temperature sensor</p> <p>Optional wall mounting plate</p>	<p>C0SNSR04AE1-</p> <p>C0MISC17AE1-</p>	<p>X2658</p> <p>X2659</p>

## WEIGHT DATA

Model Number	Net				Shipping			
	Base		Max.		Base		Max.	
	kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.
KHA036	243	535	293	647	270	595	325	716
KHB036	257	566	301	664	275	607	320	705
KHA048	253	557	303	669	280	617	335	738
KHB048	291	641	348	767	309	682	367	808
KHA060	303	667	349	770	330	727	382	842
KHB060	311	686	359	792	330	727	378	833
KHA072	340	750	391	862	367	810	422	931
KHB074	340	750	391	862	367	810	422	931

Base Unit - The unit with NO OPTIONS.

Max. Unit - The unit with ALL OPTIONS Installed (Economizer, etc.)

## OPTIONS / ACCESSORIES

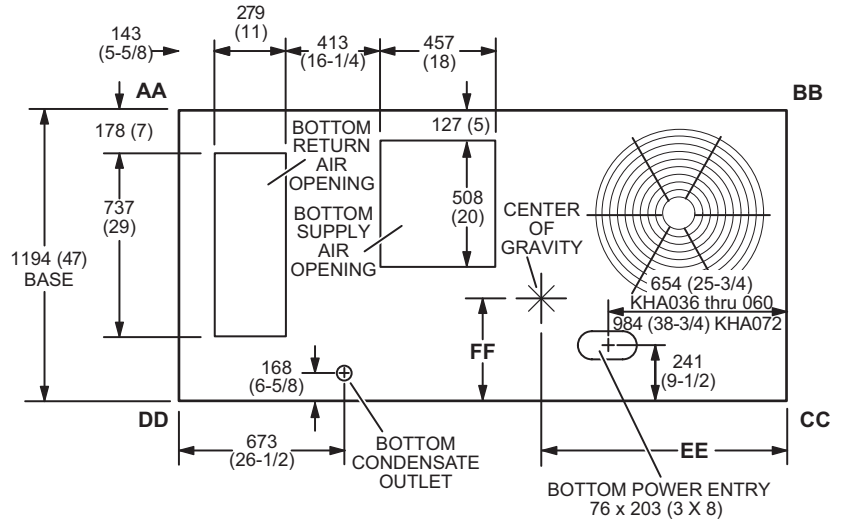
	Shipping Weights		
	kg	lbs.	
<b>ECONOMIZER</b>			
<b>Economizer</b>			
Economizer, Includes Outdoor Air Hood and Barometric Relief Dampers with Hood	59	131	
<b>OUTDOOR AIR</b>			
<b>Outdoor Air Dampers</b>			
Motorized	12	25	
Manual	8	18	
<b>POWER EXHAUST</b>			
Standard Static	16	35	
<b>ELECTRIC HEAT</b>			
5.7 kW	14	31	
11.5 kW	14	31	
17.2 kW	16	35	
23 kW	16	35	
<b>ROOF CURBS</b>			
<b>Hybrid Roof Curbs, Downflow</b>			
203 mm height	23	50	
356 mm height	32	70	
457 mm height	36	80	
610 mm height	45	100	
<b>Hybrid Curbs, Full Perimeter, Downflow</b>			
203 mm height	26	57	
356 mm height	27	60	
457 mm height	41	91	
610 mm height	52	114	
<b>Adjustable Pitch Curb, Downflow</b>			
356 mm height	51	113	
<b>CEILING DIFFUSERS</b>			
Step-Down	RTD9-65S	36	80
	RTD11-95S	54	118
Flush	FD9-65S	36	80
	FD11-95S	54	118
Transitions (Supply and Return)	T1TRAN10AN1	10	22
	T1TRAN20N-1	10	21



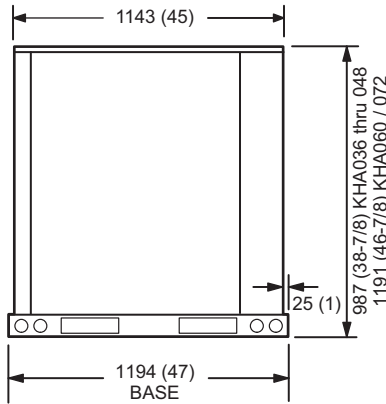
# DIMENSIONS - UNIT - MM (INCHES) - KHA

Model No.	CORNER WEIGHTS								CENTER OF GRAVITY							
	AA		BB		CC		DD		EE		FF		FF		FF	
	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.
	kg lbs.	kg lbs.	kg lbs.	kg lbs.	kg lbs.	kg lbs.	kg lbs.	kg lbs.	kg lbs.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.
<b>036</b>	42 93	53 116	51 112	60 132	82 181	96 212	68 149	85 187	978 38-1/2	1016 40	457 18	457 18	457 18	457 18	457 18	457 18
<b>048</b>	44 96	55 120	53 117	62 136	86 188	100 219	71 155	88 194	978 38-1/2	1016 40	457 18	457 18	457 18	457 18	457 18	457 18
<b>060</b>	52 115	63 138	64 140	71 157	103 226	115 252	84 166	101 223	978 38-1/2	1016 40	457 18	457 18	457 18	457 18	457 18	457 18
<b>072</b>	73 160	84 185	82 180	94 208	106 233	122 269	94 207	109 239	1174 46-1/4	1174 46-1/4	521 20-1/2	521 20-1/2	521 20-1/2	521 20-1/2	521 20-1/2	521 20-1/2

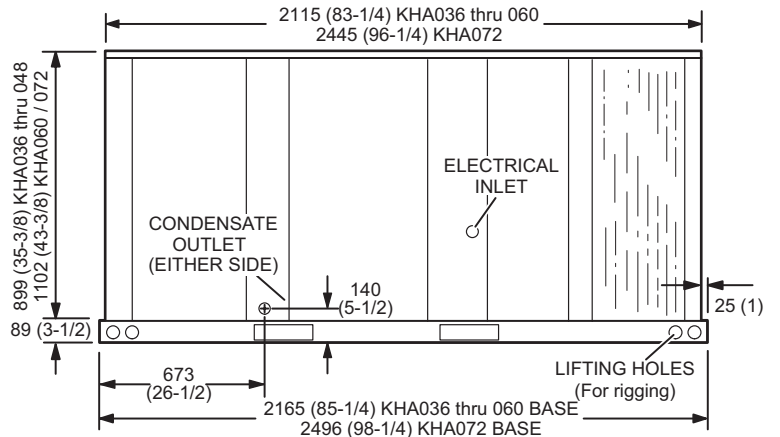
Base Unit - The unit with standard heat exchanger NO OPTIONS.  
 Max. Unit - The unit with ALL OPTIONS Installed (Economizer, etc.).



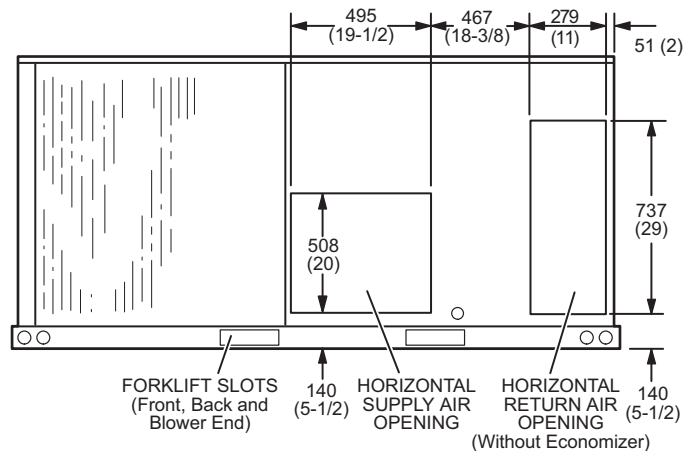
**TOP VIEW (Base)**



**END VIEW**



**SIDE VIEW**



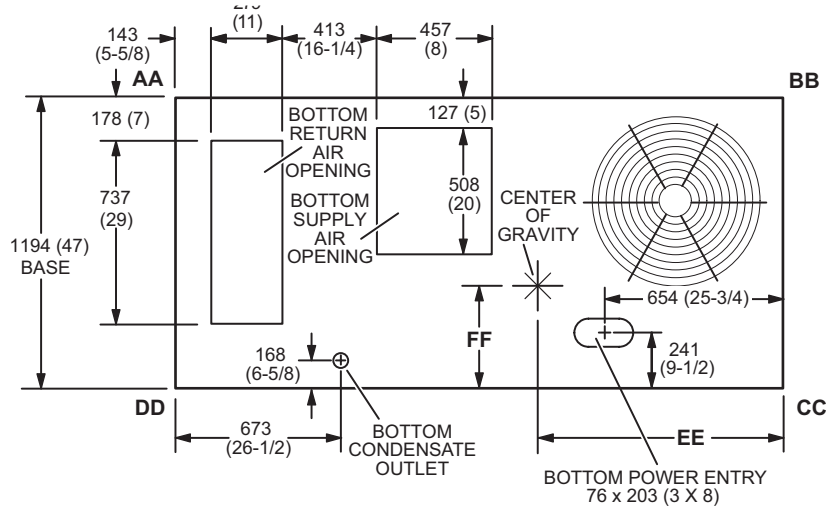
**BACK VIEW**

## DIMENSIONS - UNIT - MM (INCHES) - KHB

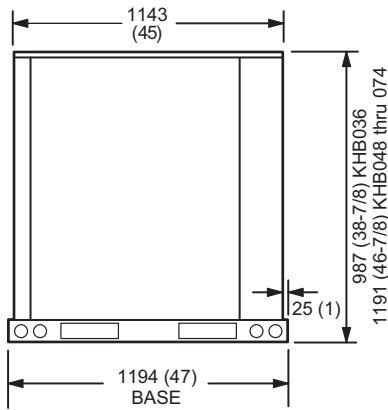
Model No.	CORNER WEIGHTS								CENTER OF GRAVITY					
	AA		BB		CC		DD		EE		FF		FF	
	Base kg lbs.	Max. kg lbs.	Base kg lbs.	Max. kg lbs.	Base kg lbs.	Max. kg lbs.	Base kg lbs.	Max. kg lbs.	Base mm in.	Max. mm in.	Base mm in.	Max. mm in.	Base mm in.	Max. mm in.
<b>036</b>	54 119	64 140	67 149	70 153	75 165	77 170	60 133	91 201	965 38	1111 43 3/4	565 22-1/4	565 22-1/4		
<b>048</b>	58 128	69 153	72 159	80 177	89 197	109 239	72 158	90 198	965 38	991 39	533 21	508 20		
<b>060</b>	62 137	72 158	77 170	79 175	95 210	107 236	77 169	101 223	965 38	1041 41	533 21	508 20		
<b>074</b>	62 137	72 158	77 170	79 175	95 210	107 236	77 169	101 223	965 38	1041 41	533 21	508 20		

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

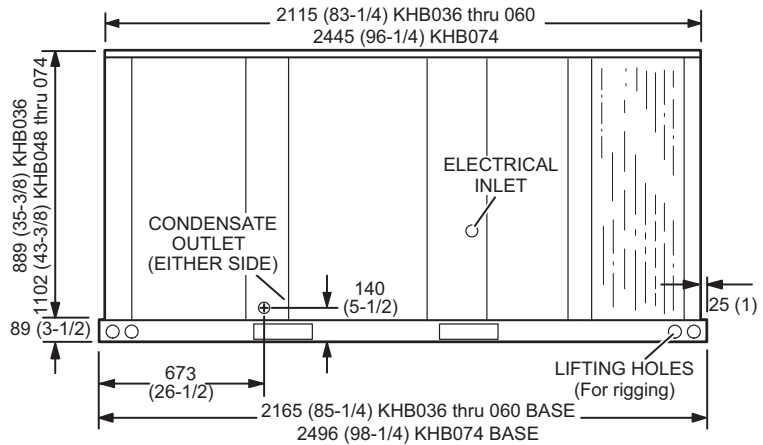
Max. Unit - The unit with ALL OPTIONS installed (Economizer, etc.).



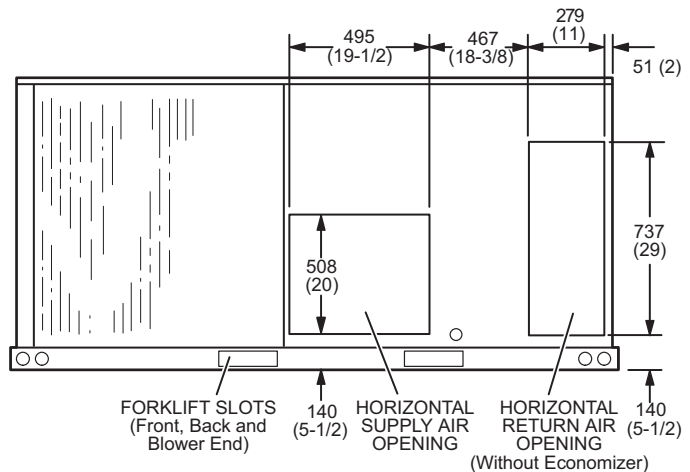
**TOP VIEW (Base)**



**END VIEW**



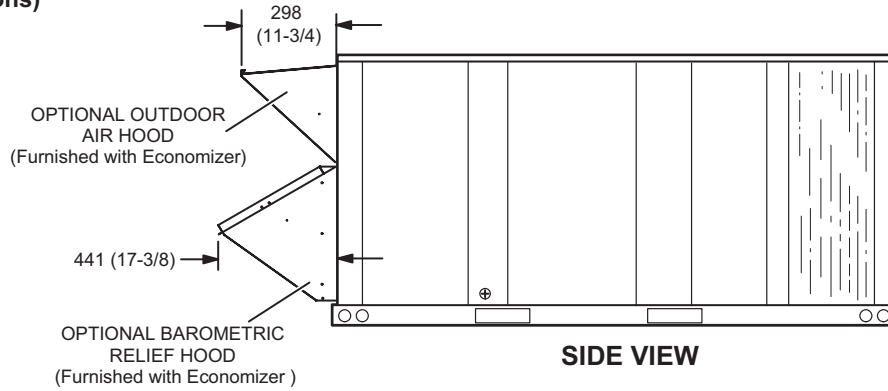
**SIDE VIEW**



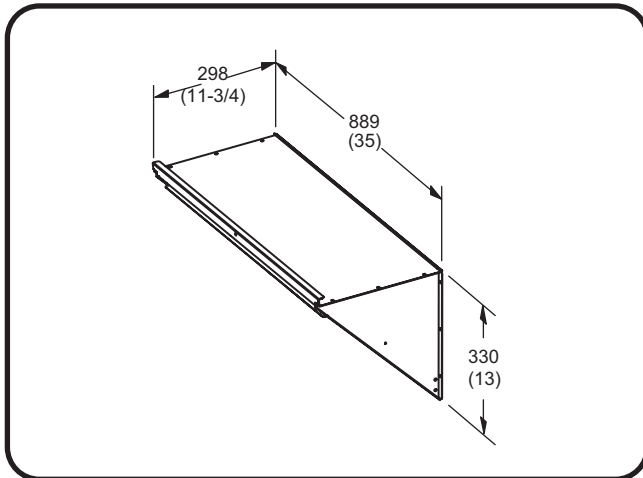
**BACK VIEW**

## DIMENSIONS - ACCESSORIES - MM (INCHES)

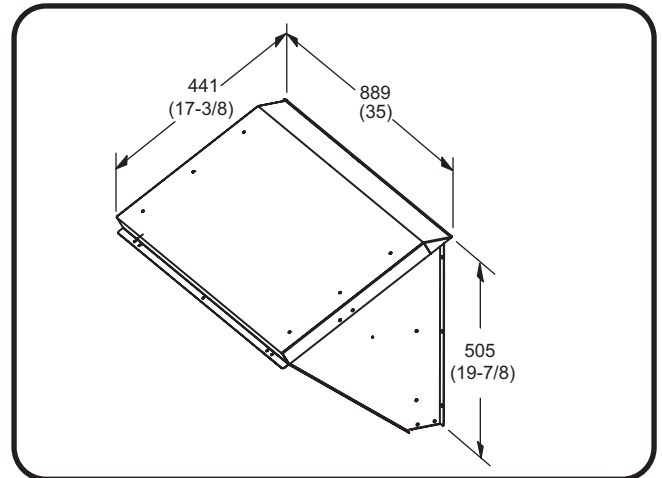
### OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Downflow Applications)



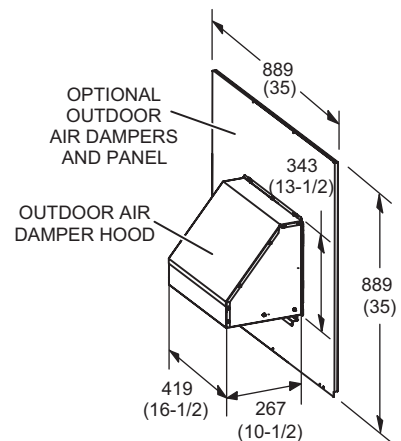
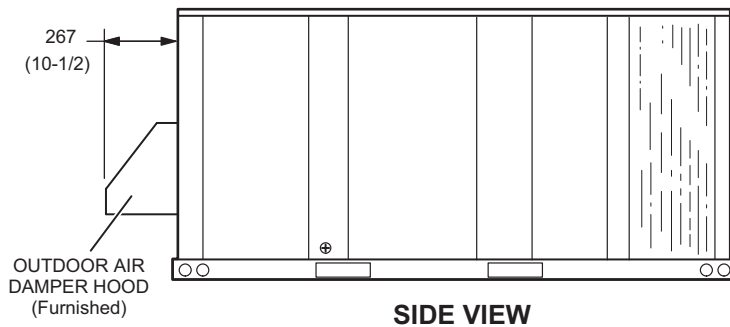
### OUTDOOR AIR HOOD FOR ECONOMIZER (Furnished)



### BAROMETRIC RELIEF HOOD FOR ECONOMIZER (Furnished)

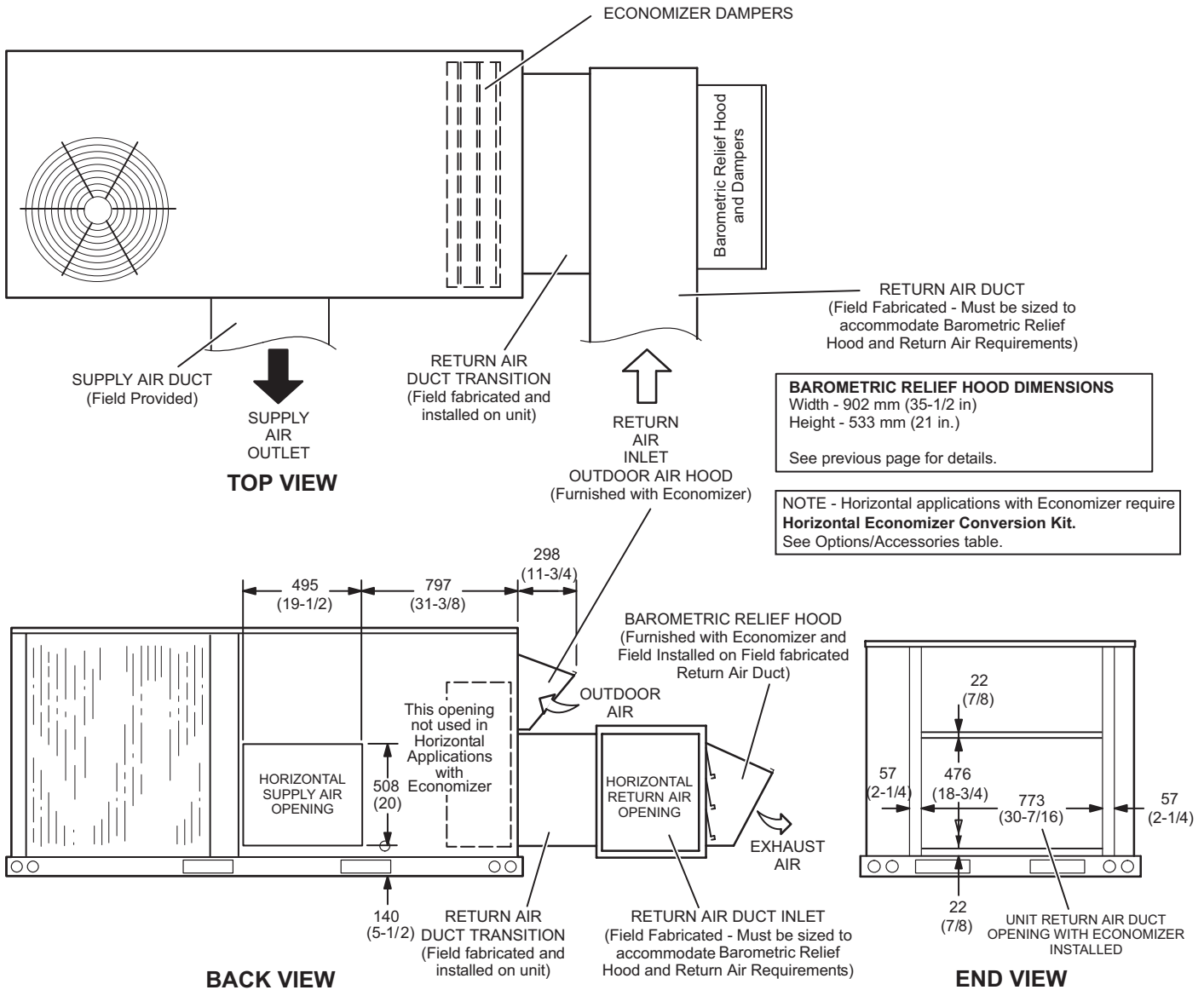


### OUTDOOR AIR DAMPER HOOD DETAIL FOR OPTIONAL MANUAL OR MOTORIZED OUTDOOR AIR DAMPERS (Downflow or Horizontal Applications)



## DIMENSIONS - ACCESSORIES - MM (INCHES)

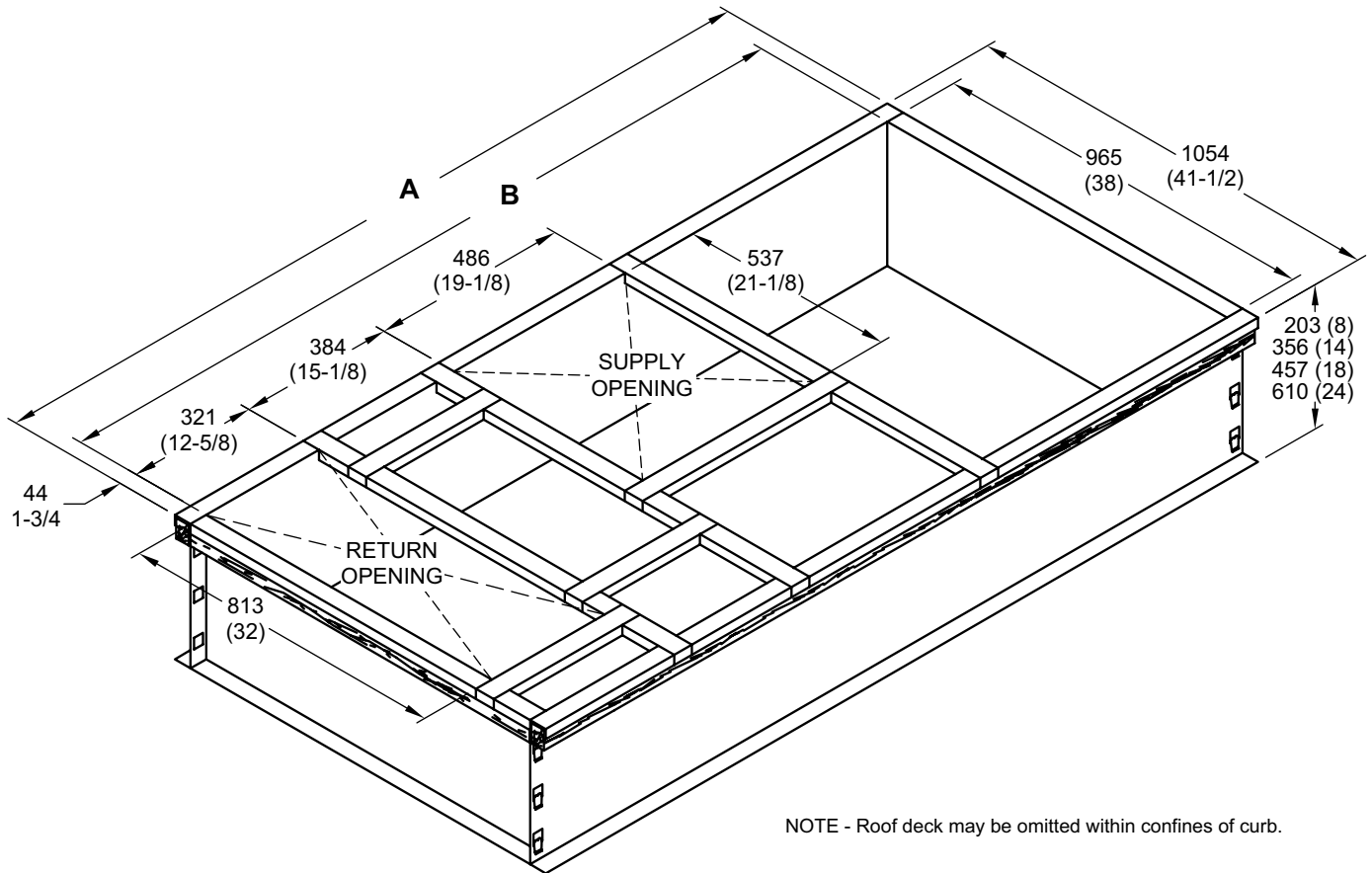
### OUTDOOR AIR HOOD DETAIL WITH OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Horizontal Applications)



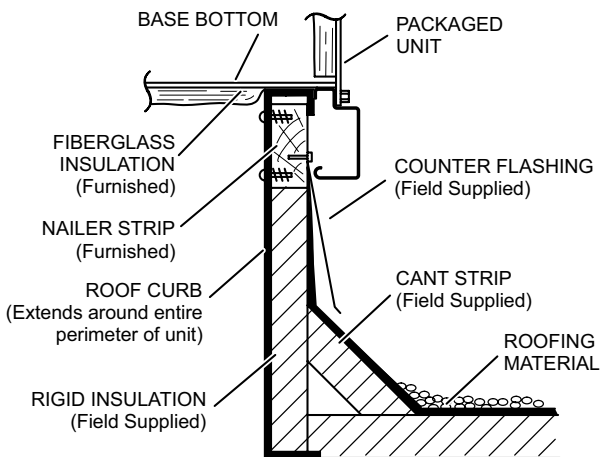
**NOTE** - Return Air Duct and Transition must be supported.

## DIMENSIONS - ACCESSORIES - MM (INCHES)

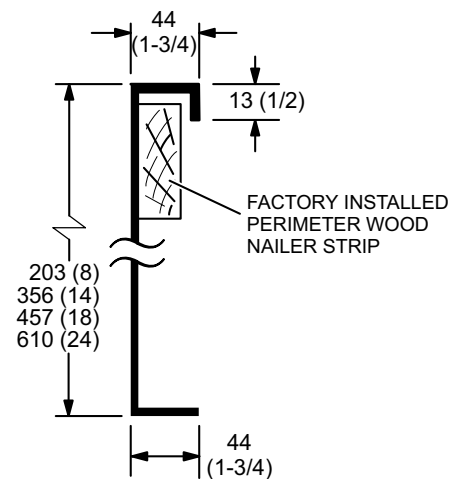
### HYBRID ROOF CURBS - DOUBLE DUCT OPENING - STANDARD AND FULL PERIMETER



**TYPICAL FLASHING DETAIL FOR ROOF CURB**



**DETAIL ROOF CURB**

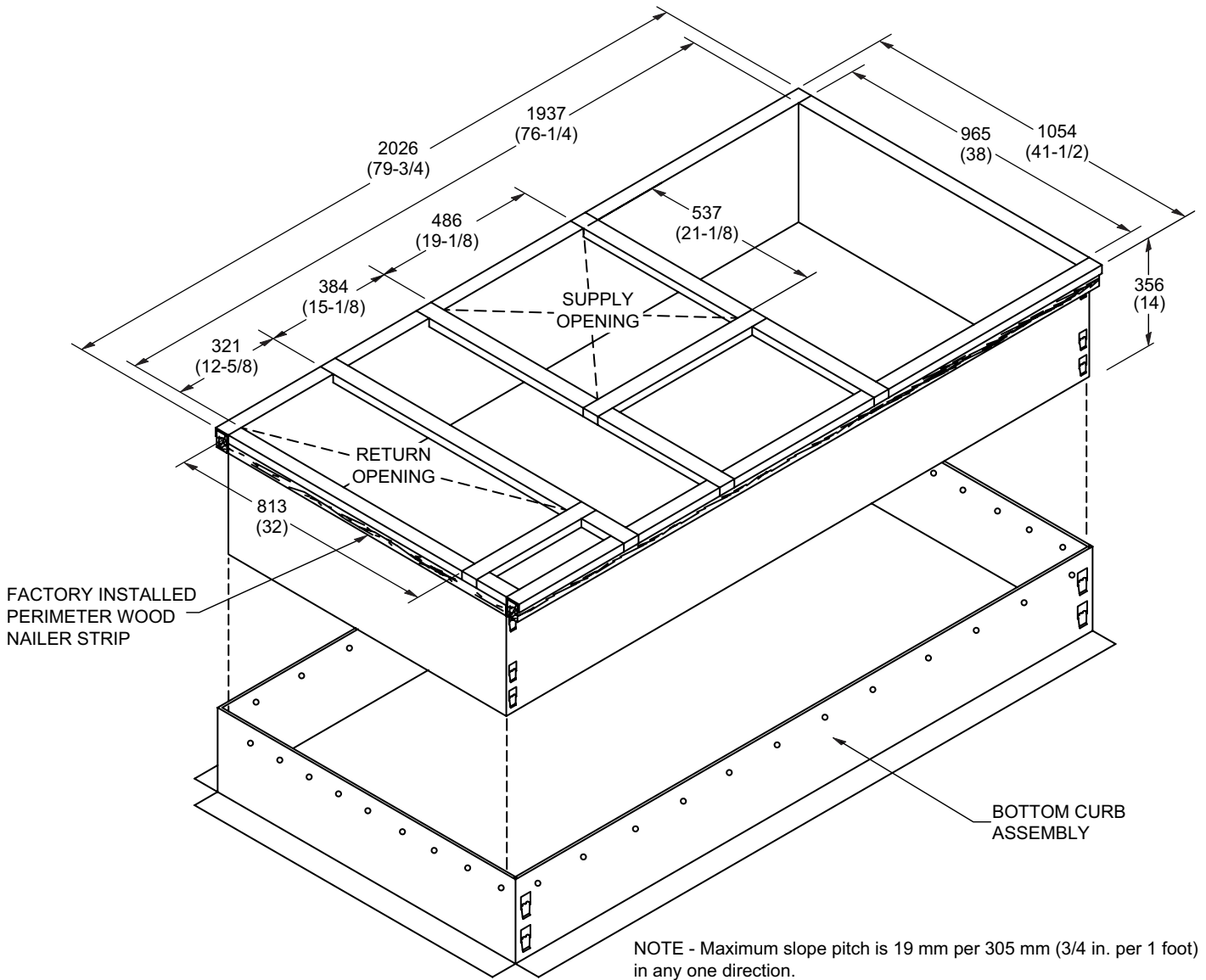


Model No.	A		B	
	mm	in.	mm	in.
036, 048, 060, <sup>1</sup> 072, <sup>1</sup> 074	2026	79-3/4	1937	76-1/4
Full Perimeter - 072, 074	2356	92-3/4	2267	89-1/4

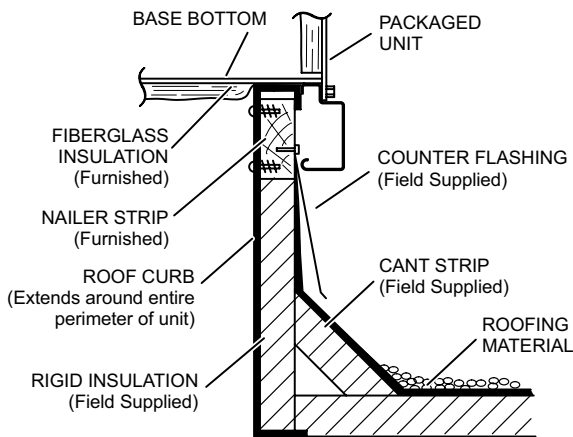
<sup>1</sup> 072 and 074 models can be used on smaller 2026 mm (79-3/4 in.) roof curbs (not full perimeter) with 400 mm (15-3/4 in.) overhang at condenser end of unit. See dimension drawing on page 47 page 47.

# DIMENSIONS - ADJUSTABLE PITCH CURB - MM (INCHES)

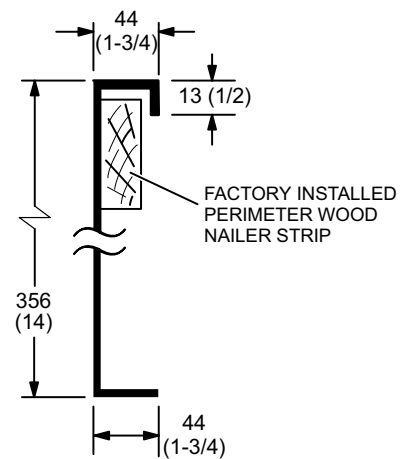
## ADJUSTABLE PITCH CURBS - DOUBLE DUCT OPENING



### TYPICAL FLASHING DETAIL FOR ROOF CURB

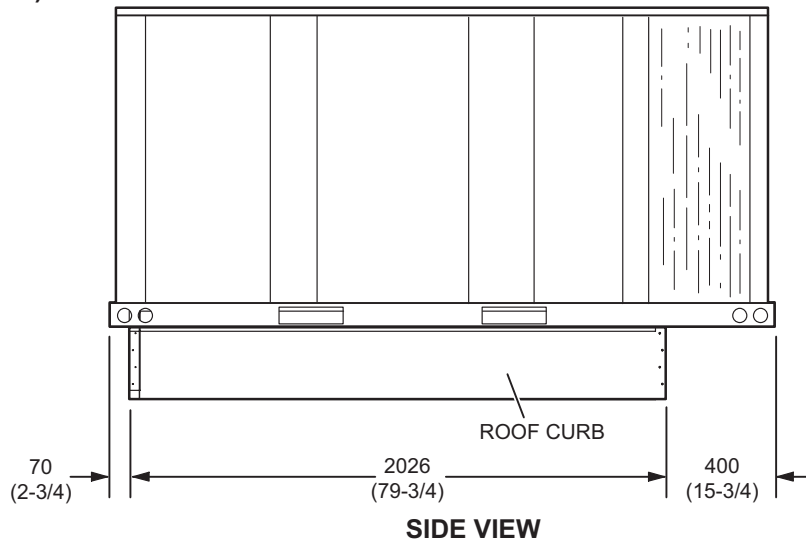


### DETAIL ROOF CURB

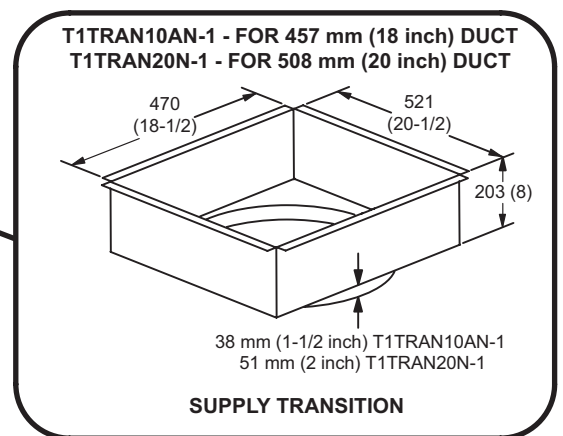
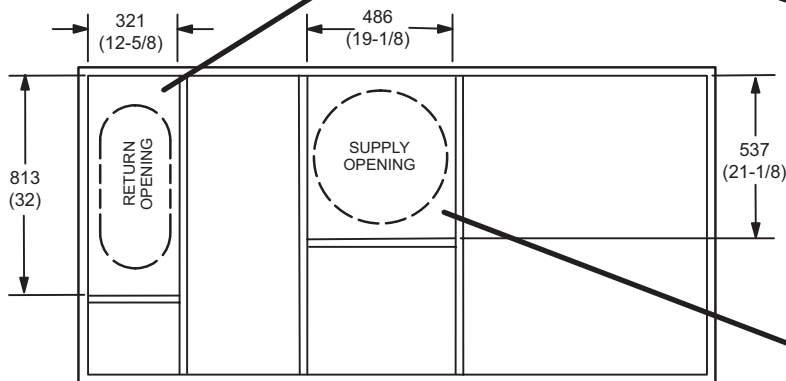
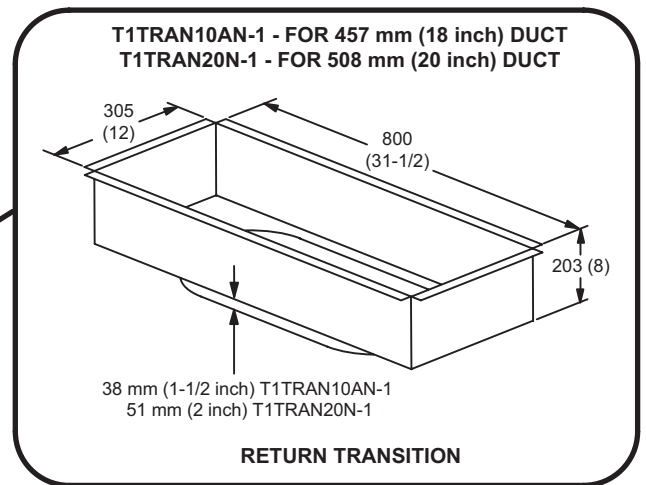


## DIMENSIONS - ACCESSORIES - MM (INCHES)

072 AND 074 MODELS - SHOWING OVERHANG ON SMALLER 2026 MM LENGTH ROOF CURBS  
(Not Full Perimeter)



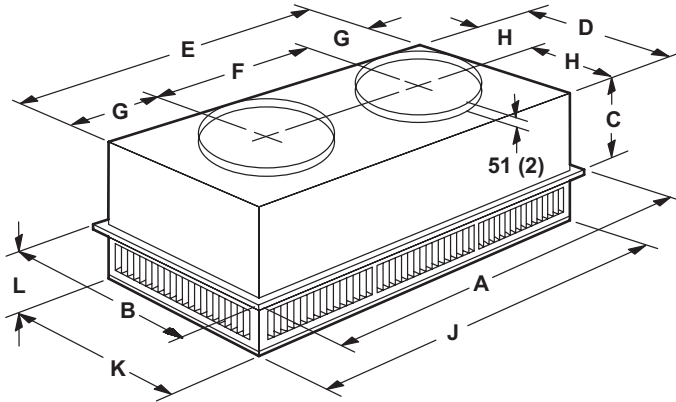
## TRANSITIONS



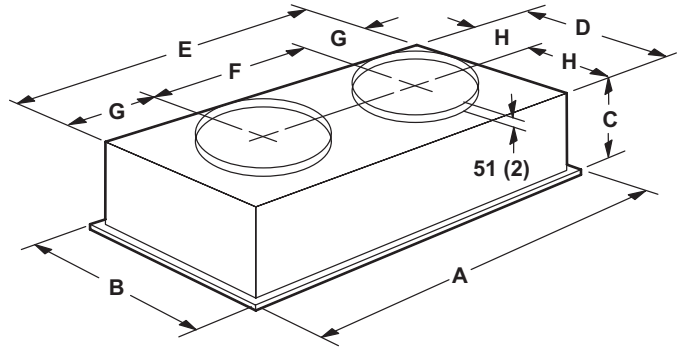
## DIMENSIONS - ACCESSORIES - MM (INCHES)

### COMBINATION CEILING SUPPLY AND RETURN DIFFUSERS

#### STEP-DOWN CEILING DIFFUSER



#### FLUSH CEILING DIFFUSER



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

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





## REVISIONS

Section	Description
New Product	Added Specifications, Rating and Dimensions for 074 models. New Diffuser model and catalog numbers.



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