R-134a

PACV-S Series

Packaged Air Conditioners

Range 7 TR to 137 TR
(26 kW to 481 kW)

اجهـــزة تـكـيـيـف هـــواء
AIR CONDITIONING EQUIPMENT

you name it
we cool it

ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED
ISO 45001 Occupational Health and Safety Management CERTIFIED

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Contents

Legend

The following abbreviations are used throughout this manual:

BPF .... By-pass Factor
cfm .... Cubic feet per minute
EER .... Energy Efficiency Ratio
Hz .... Hertz
in.wg .... inches of water gauge
kW ..... Kilowatt
kg ..... Kilogram
lbs ..... Pounds weight (British units)
L/S ..... Liters per second
MBh .... BTUH x 1000
Ph ..... Phase
Pa ..... Pascal
PD ..... Pressure Drop
PI ..... Power Input
RPM.....Revolutions per Minute
TR ..... Tons of Refrigeration = 3.517 kw
V ..... Volts
FPI..... Fins per Inch

Nomenclature

PAC V - 5 1 008 S Y

- PAC — Packaged Air Conditioner
- V — V-Shape Condenser Construction
- 5 — Power Supply Frequency: 5 : 50Hz, 6 : 60Hz
- 1 — No. of Refrigerant Circuits
- 008 — Nominal Capacity (TR)
- S — Scroll Compressor (R-134a)
- Y — Power Supply Code
  - Y: 380V-415V/3Ph/50Hz
  - P: 440V/3Ph/50Hz
  - R: 380V/3Ph/60Hz
  - E: 460V/3Ph/60Hz
  - T: 220V/3Ph/60Hz

SKM reserves the right to change, in part or in whole the specifications of its Air Conditioning Equipment at any time in order to add the latest technology. Therefore, the enclosed information may change without any prior notice.

Introduction

SKM **PACV-S** series Packaged Air Conditioners are designed and manufactured to meet the requirements of the Gulf's severe climatic conditions and are built specifically for outdoor installations, either on ground or roof level.

The **PACV-S** Packaged Air Conditioners are ideal for warehouses, large halls, schools, mosques, or wherever the requirement is for a heavy duty unit with a hermetic scroll compressor.

PACV-S Series Air cooled package (hermetic scroll) are available in 52 models covering nominal capacity ranges from 7 TR – 137 TR (26 kW to 481 kW) in 50Hz and 60Hz.

PACV-S units are designed to operate in a wide ambient temperature range from 50°F(10°C) to 120°F (48.9°C) and even lower if an optional head pressure control system is provided.

PACV-S series Packaged Air Conditioners are self contained units consisting of individual or tandem hermetic compressor(s), condenser coil(s), evaporator coil, expansion valve(s), connecting piping and all necessary liquid line accessories & safety controls.

PACV-S units are designed and rated in accordance with AHRI-210/240 and 340/360 standards.

PACV-S Series Packaged Air Conditioners are completely assembled, internally wired, charged with R- 134a refrigerant at factory, tested before despatch and ready for installation. All that is required on site is connecting ducting and power supply. This greatly reduces installation work and costs. They are designed for ducted systems which will enable them to be installed on roof tops or on the ground.

SKM provides qualified service and stock of replacement parts in all major cities of the G.C.C. countries, Egypt, Jordan, and Pakistan. See back cover for details or call SKM.

SKM Air Conditioning LLC

اجهزة تكييف هواء
AIR CONDITIONING EQUIPMENT

You name it.....We cool it

General Features

The **PACV-S** Series Packaged Air Conditioners is yet another unique series from SKM incorporating a high efficiency cooling coil, heavy duty evaporator blower and motor resulting in an extremely rugged, long-life, energy efficient, self-contained unit that will provide cooling at higher efficiency over a long and extended life. Compared to the traditional units available in the market, the **PACV-S** series packaged units are very low in energy consumption.

The flexibility of the **PACV-S** series is ideal for consideration on special applications including:

- High efficiency totally sealed hermetic scroll compressor.
- Totally enclosed, Class F insulated, IP55 protected condenser and evaporator fan motors.
- Heavy duty condenser and evaporator coils optimised in design for long-life maintenance free operation.
- Cabinet construction specifically designed for Gulf climates.
- IP 54 Electrical panel.
- Factory installed, advanced and user friendly microprocessor based control system.
- Interface capability with major BMS protocols (option).

All of these flexibilities cannot be cataloged nor all the possible options listed.They are available and SKM has over 38 years of experience in designing and building such units to meet the most stringent requirements of most applications. For your special requirements please consult SKM.

Component Features

Compressor

Compressors used in **PACV-S** packaged unit series are hermetically sealed, compact scroll with the following features:

- High Efficiency.
- Quite operation, Low Sound levels.
- Compact and light .
- Limited wear.
- 70% fewer moving parts than comparably sized reciprocating compressors
- Unique ability to handle liquid refrigerant.
- Suction gas motor cooling.
- Centrifugal oil pumps with filter and magnet.
- Brazed fittings or Rotalock as options.
- Two refrigerant circuits on larger units provides efficient part load.

Parallel Operation

A parallel compressors installation, with common suction line and common discharge line, gives a reduced operating cost through greater control of capacity and power consumption. This is achieved by staggering compressor switch-on sequences that allow the parallel system to match its power with the capacity needed. By switching-off individual compressor from parallel installation, while other compressor is operating 100%, the improved part load efficiency can be achieved. The specially developed and adopted oil equalization system ensures correct compressors operation, oil balancing between compressors and reliability.

Condensers

Condenser coils are manufactured of seamless copper tubes mechanically bonded to aluminum fins to ensure optimum heat transfer.

Condenser Coil

All coils are tested against leakage by air pressure of 450 psig (3100 kPa) under water. All standard coils are 2,3 or 4 rows/14 FPI, 3/8" (9.5 mm) O.D. tubes. An integral subcooling circuit is provided to increase the cooling capacity, without additional operating cost.

For different application requirements, other optional condenser fin materials are available:

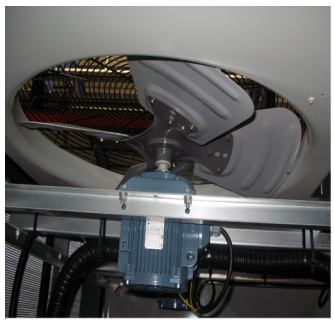
- Copper fins.
- Electrotinned Copper Fins.
- Copper finned coils with electro-tinned after manufacturing.
- Precoated Aluminum fins
  The pre-coated is hydrophobic polyurethane resin. This option provides substantial corrosion protection beyond standard coil construction.
- Aeris Guard Coil Coating.
  The Aeris Guard Coil is a self etching high performance modified epoxy finish that is specifically designed to coat and protect Aluminum and Copper surfaces. In addition, the coating is ideal for the protection of ferrous and non ferrous materials.

SKM **PACV-S** series, all models, are restricted to a 14FPI (1.8 mm) fin spacing condenser coil. Gulf dust storms and the general level of available maintenance in Gulf countries ensures this condenser coil design shall provide long life and maintenance-free operation with the least possibility operational blockage on the condenser. Ample condenser surface and sensible air flow across the condenser ensures a low temperature differential between condensing temperature and the high Gulf ambients making the **PACV-S** packaged unit perform efficiently and durably.

Condenser Fans

Condenser fans are propeller type, aluminium alloy blades, directly driven by electric motors.

Motors are Totally Enclosed Air Over (TEAO) six pole with class 'F' insulation and minimum IP55 protection.



Condenser Fan Motor

The TEAO and class 'F' insulation features ensure long life and are unique for SKM. The motors are factory wired, using wires specially selected for high ambients operation, to unit control panel where the motor contactors are located to control the operation of these motors.

The condenser fans are individually statically and dynamically balanced at the factory. Complete fan assembly is provided with suitable acrylic coated fan guard.

Evaporator

Evaporator coils are manufactured of seamless copper tubes mechanically bonded to aluminium fins to ensure optimum heat transfer. All evaporator coils are tested against leakage by air pressure of 300 psig (2068 kPa) under water. The DX evaporator coils are complete with headers of seamless copper tubing. Supply headers incorporate a correctly sized distributor. For different application requirements, other evaporator coil material and/or treatment are available on request.

- Copper fins.
- Electrotinned Copper fins.
- Copper finned coils with electro-tinned after manufacturing.
- Precoated Aluminum fins.
  The pre-coated is hydrophobic polyurethane resin. This option provides substantial corrosion protection beyond standard coil construction.
- Aeris Guard Coil Coating.
  The Aeris Guard Coil is a self etching high performance modified epoxy finish that is specifically designed to coat and protect Aluminum and Copper surfaces. In addition, the coating is ideal for the protection of ferrous and non ferrous materials.

Evaporator coils are rated in accordance with AHRI-410. Evaporator coil supplied with suitable size thermostatic expansion valve(s) and multi-circuited distributors providing capacity modulation to match the compressors. The cross wave fins and staggered tubes design uses the evaporator surface effectively by creating uniform air turbulance and optimum heat transfer over the entire finned surface. Requirements for higher face velocities can be handled by use of moisture eliminators to avoid carryover.

Fan Section

Fans in the **PACV-S** units are selected for the best sound characteristics based on maximum fan efficiency. More than one arrangement of evaporator fans are used in the **PACV-S** series packaged units due to the wide range of air flow rates.

Commonly, all fans are double inlet, double width, centrifugal type with forward curved impellers provide the combination of efficiency and quietness of operation. All fans are statically and dynamically balanced, belt driven by motor sizes up to 15 kW are provided with adjustable pitch pulleys as standard. Above 15 kW motor sizes are equipped with fixed pitch pulleys as standard and adjustable pitch pulleys are option. Specify VPP.

Single fan is used for **PACV**-51008S, **PACV**-51010S, **PACV**-61009S & **PACV**-61012S models. Models **PACV**-51014S~**PACV**-52055S & **PACV**-61018S~**PACV**-62066S are equipped with two fans. These fans are mounted on a single heavy duty shaft driven by a single electric motor. Shaft end insert into over sized, tapered lock self aligning long life bearings. The motor is mounted on an adjustable base, so that belt tension can be easily adjusted.

Models **PACV**-52065S and **PACV**-62076S onwards, use single fan assembly, which has maximum strength, high performance, quietness and reliability. These fans use self aligned ball or pillow block bearings that are greased for life. Pillow block bearings are provided with re-greasing fittings. The motor is mounted on an adjustable base, so that belt tension can be easily adjusted. The complete fan-motor drive assembly is mounted on a floating sub-base. In order to limit transmission of noise and vibration, the complete fan motor sub-base assembly is mounted on anti-vibration mounts. Flexible connection is provided between fan discharge and casing panel to avoid transmission of vibration to the connecting duct.

The **optional** modular construction units for models **PACV**-51008S~**PACV**-52055S & **PACV**-61009S~62066S are also using the same fan specifications as mentioned above.

The electric motors are foot mounted, 4 pole, totally enclosed fan cooled (TEFC), IP-55 protected with Class F insulation.

Drive package is factory selected for the medium air flow rate as shown in the capacity ratings. Alternative drive packages to meet specific job or client requirements can be provided.

Refrigerant Circuit

PACV-S series comes complete, as standard, with correctly sized and piped refrigerant lines including sight glass, filter drier, thermostatic expansion valve, solenoid valve, shut-off valve, and a full operating charge of R-134a in each circuit.

Piping is fabricated from ACR grade copper piping. Suction line is insulated with ½" (12mm) wall thickness closed cell pipe insulation.

Filter Section

PACV-S series can be with a range of filter sections and filters to meet requirements for the most demanding applications.

- Flat or vee filter sections to accommodate 1" or 2" cleanable aluminium media filters can be provided.
- A bag filter section to house 22", 30" or 36" deep bag filters having efficiencies as desired can also be provided, as required. Filter sections come with latches to provide easy access for removal and for maintenance.
- On 100% fresh air applications an initial sand trap louvre can effectively minimize entrance of sand into the air stream.

- High efficiency mini pleat panel filters are available as an alternative for bag filter where space is limited. Filter sections come with latches to provide easy access for removal and for maintenance.

To order a sand trap louvre from SKM specify fresh air opening size with option ASL.

Casing/Structure

Designed for ease of handling and low cost to install. The **PACV-S** Air Cooled Packaged Units are factory assembled and mounted on a rigid base. The unit casing used in **PACV-S** Packaged units is made of zinc coated galvanized steel sheets conforming to JIS-G 3302 and ASTM A653 which is phosphatized then baked after an electrostatic powder coat of approximately 60 microns.

This finish and coating pass a 1000 hours in 5 % salt spray testing at 95°F (35°C) and 95% relative humidity as per ASTM B117. The entire casing panels are designed to be leak proof against rain and ensure rain cannot enter the **PACV** series packaged air conditioner interior. Evaporator section sealed by the use of vinyl gasketing material.

The evaporator section is insulated from all sides with black-neoprene faced heavy density 1" thick fiber glass insulation for models up to **PACV**-52055S & 62066S and 2" thick fiber glass insulation for models **PACV**-52065S & 62076S onwards. The insulation cum sound liner meets the fire requirements of NFPA90A and is secured with mechanical fasteners in addition to water resistant adhesive.

For applications requiring an inner skin in the evaporator section, option DSE provides 0.7 mm galvanized inner skin. Suitable isolation to ensure no cold-bridges and no condensation on the exterior of the units is provided. The condensate drain pan is heavily insulated to ensure that condensation may not occur. Stainless steel condensate drain pans are available on request.

Electrical Control Panel

The unit mounted control panel enclosure is fabricated out of heavy gauge sheet steel in phosphatized powder coated baked finish. The enclosure conforms to IP54 as per guidelines in IEC 529. A hinged access door and key-fastener is provided for easy access and security. The panel is factory wired in accordance with NEC 430 & 440, labelled, tagged and features 220V / 240V controls.

- All compressors are with DOL starting.
- Individual compressor, condenser fan motors and evaporator fan motor contactors.
- Motor protector circuit breaker for condenser and evaporator fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Control circuit breaker.
- Control circuit on/off switch.
- Microprocessor control boards.
- Control Relays.
- Power and control terminal blocks.

Microprocessor Controller

Microprocessor Controller

All **PACV-S** series package units are equipped with a full function microprocessor based controller as a standard feature. The controller is factory programmed for the control of evaporator fan, compressors and condenser fans. The controller comes with a built in keypad and display for simple but meaningful man machine interface. This controller provides complete operational control for the unit and has built-in auto diagnostic capability that can signal normal operation or alarm conditions as well as shutting down the unit or system if necessary.

Room Unit

The controller comes with a loose supplied sleek and elegant design room unit for installing in the conditioned space. Communication between unit controller and room unit is through two wire interface. **The communication cable should be 2 core, twisted pair, unscreened with stranded conductors. (As per KNX specification)** Maximum distance between room unit and controller can be 700 meters. The room unit has a built in sensor for measuring the room temperature. It transmits room temperature, set point, unit operating mode etc. to the unit controller. Control of the compressors is based on room temperature and the set point, as standard. **If unit control needs to be based on duct temperature, please specify during time of order**.

The Main Features of the controller are as follows:

- Built in LCD display with back light.
- Roll & push knob and 3 function buttons.
- Battery backed up built in real time clock.
- Multiple authorization level to provide tight security for the control system.
- Capacity control based on room temperature or return air temperature.
- Alarm history.
- A sleek & elegant design room unit.

Display Information

SKM **PACV-S** series package units offer LCD display which allows the operator to access different parameters of the unit. Operator can view and change the unit parameters. The display information includes:

- Status
- Outputs
- Inputs
- Alarms
- Set points
- Password

System Control Philosophy

The unit may be enabled or disabled through the control on/off switch in the unit mounted control panel. Control is based on room temperature sensed by room unit. Evaporator fan motor starts first. Compressors will be staged based on the set point and actual room temperature. On an increase in room temperature, cooling stages will be added and on a decrease in room temperature, cooling stages will be removed from the system.

System Protection

The intelligent microprocessor based controller monitors all the safeties related to the unit and makes the necessary protections, by shutting down the entire unit or the effected circuit. The protection includes:

- Low suction pressure.
- High discharge pressure.
- High compressor motor temperature. (For compressors with internal motor protector).
- Compressor short cycling.
- Evaporator fan motor overload

BMS Connectivity (Optional)

Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be provided as option if required.

In addition, the **PACV-S** microprocessor can support the major BMS protocols such as BACnet, Modbus & LON. Extra hardware may be required depending on the protocol.

Optional Features

PACV-S series heavy duty packaged air - conditioners are available with a multitude of optional features which makes design and selection extremely easy and capable of matching the most stringent of requirements.

Alternative Condenser Material

Made of copper tubes and alternative fin material and/or protective coating.

- For Copper Fins, specify **(FC)**.
- For electrotinned Copper Fins only, specify **(CFT)**.
- For Copper Finned Coils electrotinned post manufacturing, specify **(FCT)**.
- For Pre-Coated aluminum fins, specify **(FAP)**.
- For Aluminum Fins with Aeris post Coat Protection, specify **(FAA)**.
- For Copper Fins with Aeris post Coat Protection,specify **(FCA)**.

Alternative Evaporator Material

Made of copper tubes and alternative fin material and/or protective coating.

- For Copper Fins, specify **(EFC)**.
- For electrotinned Copper Fins only, specify **(ECFT)**.
- For Copper Finned Coils electrotinned post manufacturing, specify **(EFCT)**.
- For Pre-coated aluminum fins, specify **(EFAP)**.
- For Aluminum Fins with Aeris post Coat Protection, specify **(EFAA)**.
- For Copper Fins with Aeris post Coat Protection, specify **(EFCA)**.

Condenser Coil Guard (CGP)

Wire mesh guard, in painted finish for condensers.Recommended on ground level installation where coil needs to be protected against vandalism.

Double Skin Evaporator (DSE)

Inner skin of 0.7 mm galvanized sheet in the evaporator section provided with no cold bridges. Recommended for 100% fresh air applications.

Marine Paint (MP)

To provide increased corrosion resistance coastal environments and offshore location.

Filter Section (FFS/VFS/BFS)

PACV-S series can be with a range of filter sections and filters to meet requirements for the most demanding applications.

S.No	Filter Type	Option code		
		PACS 51005/61006 to PACS-52052/62065	PACS-52060/62070 to PACS-52095/62110	Modular Construction
	Flat Filter Section with Media			
1	1" (25 mm) /2" (50 mm) Thick Washable Aluminum.G2	[FSIP1]/[FSIP2]	[FIP1]/[FIP2]	
2	1" (25 mm) / 2" (50 mm) Thick Synthetic.G3	[FSIS1]/[FSIS2]	[FIS1]/[FIS2]	
	Vee Filter Section with Media			
3	1" (25 mm) /2" (50 mm) Thick Washable Aluminum.G2	[FSVP1]/[FSVP2]	[FIVP1]/[FIVP2]	
4	1" (25 mm) / 2" (50 mm) Thick Synthetic.G3	[FSVS1]/[FSVS2]	[FIVS1]/[FIVS2]	
	Bag Filter Section with Media*			
5	15" (380 mm) deep bag filter	FSBG0-F8	FIBG0-F8	
6	21" (534 mm) deep bag filter	FSBG1-F8	FIBG1-F8	
7	30" (762 mm) deep bag filter	FSBG2-F8	FIBG2-F8	
	Pleated Filter Midea*			
8	4" (100 mm) thick	FSMP4-F8	FIMP4-F8	

*F8 idicates the effiecieny, For F9 change option code.

Table 1

- Flat or vee filter sections to accommodate 1" or 2" cleanable aluminium media filters can be provided.
- A bag filter section to house 22", 30" or 36" deep bag filters having efficiencies as desired can also be provided, as required. Filter sections come with latches to provide easy access for removal and for maintenance.
- On 100% fresh air applications an initial sand trap louvre can effectively minimize entrance of sand into the air stream, sand trap louvre (ASL) available upon request.
- High efficiency mini pleat panel filters are available as an alternative for bag filter where space is limited. Filter sections come with latches to provide easy access for removal and for maintenance.

HEPA filters (FIHP)
Ultra high Absolute HEPA (High Efficiency Particulate Air filter with efficiency in excess of 99% when measured by using DOP (Di-Octyle Phthalate) method. In accordance with EN1882 standards. Eff : H13 (including section)

Sand trap louver (ASL)
To extract coarse sand prior to the entry in the unit

Galvanized Frame And Base (GFB)
Steel frame and base which are hot dip galvanized after manufacturing process. This is recommended for highly corrosive environments.

Pressure Gauges (SDG1)
Suction and discharge indication of each refrigerant circuit. Gauges mounted outside the Control Panel.

Pressure Relief Valve (PRV)
To protect the unit from being over-pressurized.

Stainless Steel Drain Pan (SSP)
Heavy gauge 316 stainless steel drain pan under the entire cooling coil and moisture eliminator. Insulation under drain pan as per SKM standard.

Stainless steel drain pan (Grade 304) (SDP)
Stainless steel drain pan(Grade 304). Insulation under drain pan as per SKM standard.

Extra Shut Off Valve(s) (XFV)
To fully isolate refrigerant filter drier, additional shut-off valve(s) can be incorporated in the liquid line.

Rotalock Valves on compressors (RVC)
For additional facilitation of maintenance of unit.

Condenser & Evaporator Fans with polyglycoat coating (PGF)
To provide protection against corrosion for evaporator or condenser fans.

Anti Spark Fan and Belt (SPF)
For special applications like explosion proof units.

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Isolated Condenser Fan Motors (CMS)
For elimination of extraneous noise and vibration from condenser fan motor, the motors are individually isolated from the frame

Condenser Fan motors with anti-condensation heaters built-in (CFMA)
Where application so requires.

Mixing Box (BMX)
With or without sand trap louvre and bird screen on fresh air Side.

Two inch insulation (2SG)
for evaporator section.

Modular Construction (MSTD)
Models **PACV** 51008S-53095S and **PACV** 61009S-63110Scan be produced as modular constructions. Refer page no. 34-36for more details.

Overlapped Evap. coil construction
Use overlapped evaporator coils to limit the height of the unit with frontal fan discharge. Available for models **PACV** 54100S to **PACV** 54125S & **PACV** 64120S to **PACV** 64145S, refer to page 37.

Electric Heating (HTR1)
Electric heating batteries are made up of finned heating elements, constructed from high quality 80/20 nickel chrome resistance wire centred in metal tube by compressed magnesium oxide. Helical fins are tightly wound around the tubular heating element.

Heater batteries when ordered comes with stage contactors, primary auto reset thermal safety cut-out, secondary manual reset thermal safety cut-out and air flow switch. Power fuses / circuit breaker are provided for heaters with total ampere exceeding 48 amperes. For smaller heaters, power fuses can be provided if specified. Control of the heaters will be from the **PACV-S** microprocessor.

Following are the Standard Electrical Heating option kW rating, options other than those specified below can be provided on request. Consult SKM for details

PACV		Heater kW	Stages
51008-S	61009-S	15	2
51010-S	61012-S	18	
51014-S	61018-S	30	
52015-S	62018-S		
51017-S	61020-S		
52017-S	62020-S		
52020-S	62024-S	36	
52023-S	62028-S		
52026-S	62033-S	48	
52030-S	62036-S		
52032-S	62037-S		
52038-S	62046-S		
52045-S	62055-S	60	
52050-S	62060-S		
52055-S	62066-S		
52065-S	62076-S	90	3
53070-S	63085-S	126	4
53075-S	63090-S		
53080-S	63095-S		
53085-S	63100-S	144	
53090-S	63105-S		
53095-S	63110-S		
54100-S	64120-S		
54110-S	64130-S	189	6
54115-S	64136-S		
54125-S	64145-S		

Table 2

Hot Gas Bypass System (GBP)
With solenoid to enable operation of a large sized unit at very low loads, during low load demand due to application requirements or where unit is selected to work on 100% fresh air applications.

Electronic Expansion Valve (EEV)
To provide energy saving benefits over mechanical thermostatic expansion valve (TXV).

Low Ambient Operation Kit (LAO)
For unit operation down to lower than normal gulf ambient.Please specify during the time of order.

IP 55 Control Panel (ICP)
Control Panel for special applications to meet IP55 requirements.

Main Isolator (without door interlock) (ISO)
For main power isolation. (consult SKM)

Control Transformer (CXT)
This option is necessary and available for **PACS** models rated for 440V/3PH/50Hz or 460V/3PH/60Hz or power supplies without neutral. When ordering for these voltages, this option must be ordered.

Voltage Monitoring Module as per DEWA (DVM)
Under voltage relay as per DEWA regulations.
This option is available for Dubai, UAE only.

Circuit Breaker for Compressor (CBC)
For those electrical specifications which require additional protection.

External Overload Protection (EOP)
For those electrical specification requires additional overload protection for the compressors.

Ammeter & Phase Selector switch (AMPC)
To indicate running AMPS of each compressor.

Ammeter & Phase Selector switch (AMPI)
To indicate running AMPS on main incomer of the unit.

Voltmeter & Selector Switch (VSS)
For incoming line voltage.

UL 1995 (UL-LISTED)
Unit construction are certified and in compliance of UL 1995 safety standards. Consult SKM for availability of selected models .

Soft Starter (SFS)
To reduce the starting current of compressors using reduced voltage starting method. Compressors will be started using electronic solid state soft starters that will ramp up the speed of the compressors to rated speed within few seconds thus reducing the mechanical & electrical stresses.

Suction Pressure read out Capability (SPC)
Additional transducer in suction line to display suction pressure in microprocessor.

BMS Interface Volt free Contacts (BMVF)
Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be provided as option if required. For additional requirements, please contact SKM.

BMS Interface thru protocol (BMSP)
For interfacing the units with major BMS protocols such as BACNet, Modbus or LON. Extra hardware may be required depending on the protocol.

Pump Down Facility (PD)
The compressor will switch off each time with a Pump Down Cycle in order to prevent Liquid refrigerant migration to the compressor during off Cycle periods.

With this option, each circuit will be provided with an additional discharge check valve (if required) to prevent Refrigerant Migration from High side to Low side when the compressor is off.

Options for Field Installations

Anti-vibration mounts (CAVM)
Recommended for roof mounted units or other locations in the vicinity of occupied spaces, where noise may be objectionable.

Hi-Lo Pressure Gauges (CSDG1)
Without piping or isolating pet cocks.

Duct Temperature Sensor (DTS)
In order to control the unit based on return/supply air duct temperature.

Special custom built units incorporating specially required features like units for larger capacities, anti-condensation resistance heaters embedded in evaporator motors, units can be manufactured on request. Consult SKM with detailed requirements.
Contact SKM for all such applications or requirements

Capacity Control Steps
The Standard Capacity Control Steps are shown below.

PACV		Standard	Number of steps
51008-S	61009-S	100-0	1
51010-S	61012-S	100-0	1
51014-S	61018-S	100-0	1
52015-S	62018-S	100-50-0	2
51017-S	61020-S	100-0	1
52017-S	62020-S	100-56-0	2
52020-S	62024-S	100-50-0	2
52023-S	62028-S	100-58-0	2
52026-S	62033-S	100-50-0	2
52030-S	62036-S	100-55-0	2
52032-S	62037-S	100-50-0	2
52038-S	62046-S	100-75-50-25-0	4
52045-S	62055-S	100-79-50-29-0	4
52050-S	62060-S	100-75-50-25-0	4
52055-S	62066-S	100-77-50-27-0	4
52065-S	62076-S	100-75-50-25-0	4
53070-S	63085-S	100-86-67-53-33-19-0	6
53075-S	63090-S	100-83-67-50-33-17-0	6
53080-S	63095-S	100-83-67-50-33-17-0	6
53085-S	63100-S	100-85-69-53-34-18-0	6
53090-S	63105-S	100-85-68-53-35-18-0	6
53095-S	63110-S	100-85-68-51-34-17-0	6
54100-S	64120-S	100-88-75-63-50-38-25-13-0	8
54110-S	64130-S	100-88-76-65-51-39-25-14-0	8
54115-S	64136-S	100-89-75-64-51-40-26-13-0	8
54125-S	64145-S	100-88-75-63-50-38-25-13-0	8

Table 3

Selection Procedure

PACV-S series packaged air-conditioners should be selected with care and using sound engineering judgement. Selections based on matching total capacity alone or air flow rate alone may not be proper. To meet requirements of a specific application, sample procedure for selection is given in examples below.

	Example 1: English Units	Example 2: SI Units
Application Requirements		
Required total cooling capacity	330.0 MBh	96.4 kW
Sensible cooling capacity	225.0 MBh	65.9 kW
Condenser entering air temp db	115°F	46°C
Evaporator entering air temp. db/wb	83/68°F	28.3/20.0°C
Evaporator air flow rate	11,200 cfm	5286 l/s
External static pressure	1.2 inwg	300 Pa
Electric power supply	380V/3PH/50Hz	380V/3PH/50Hz

Select PACV-S model, Evaporator fan motor size and find leaving db/wb conditions.

Selection Procedure:
Enter capacity ratings table (50Hz) at required condenser entering air temperature. Select a unit having total capacity equal or more than specified. Select unit model **PACV**-52032-S, by interpolation, at 11,200 cfm (5,286 l/s) and 68°F (20.0°C) wb. Unit will provide 332.8 MBh (97.5 kW) total cooling capacity, 236.6 MBh (69.3 kW) sensible cooling at 80°F (26.7°C) evaporator entering air bulb.

To calculate sensible capacity (SC2) at conditions other than 80°F (26.7°C) evaporator entering air dry bulb, use the formulae as shown

Observe the rule of signs if E_{db} above 80°F (26.7°C) SCC to be added to SC1. If E_{db} is less than 80°F (26.7°C) SCC to be subtracted.

$SC2 = SC1 + SCC$
$= SC1 + 0.0011\ (1 - BPF)(EDB - 80) \times cfm$
$= 236.6 + 0.0011\ (1 - 0.22)(83 - 80) \times 11{,}200$
$= 265.4$ MBh

$SC2 = SC1 + SCC$
$= SC1 + 0.00123\ (1\text{-}BPF)(E_{db} - 26.7) \times l/s$
$= 69.3 + 0.00123\ (1\text{-}0.22)(28.3\text{-}26.7) \times 5286$
$= 77.78$ kW

where
SC2 = corrected sensible capacity at given evap. entering air dry bulb °
SC1 = sensible capacity at 80°F (26.7°C) DB evaporator entering air temperature
SCC = sensible cooling correction
BPF = bypass factor
E_{db} = evaporator entering air dry bulb
cfm & L/S = evaporator air flow rate

Calculate leaving evaporator air temperature

$$L_{db} = E_{db} - \frac{\text{Sensible capacity (MBH)}}{0.0011 \times cfm}$$
$$= 83 - \frac{265.4}{0.0011 \times 11{,}200}$$
$= 61.4$°F

$$L_{db} = E_{db} - \frac{\text{Sensible capacity (kW)}}{0.00123 \times L/S}$$
$$= 28.3 - \frac{77.78}{0.00123 \times 5286}$$
$= 16.3$°C

where
E_{db} = Entering evaporator air dry bulb temperature
L_{db} = Leaving evaporator air dry bulb temperature
L_{wb} = Leaving air wet bulb temperature corresponding to enthalpy of air leaving evaporator coil

Calculate leaving air wet bulb

$$hL_{wb} = hE_{wb} - \frac{\text{total capacity (BTUH)}}{4.5 \times cfm}$$
$$= 32.3 - \frac{332.8 \times 1000}{4.5 \times 11{,}200}$$
$= 25.69$ Btu/lb
$= 58.8$°F L_{WB}

$$hL_{wb} = hE_{wb} - \frac{\text{total capacity (kW)} \times 1000}{1.2 \times L/S}$$
$$= 57.25 - \frac{97.5 \times 1000}{1.2 \times 5286}$$
$= 41.8$ kJ/kg
$= 14.9$°C L_{WB}

where
hL_{wb} and hE_{wb} are leaving and entering air enthalpy respectively Btu/lb (kj/kg)
L_{WB} = Leaving air wet bulb temperature

To find out wet bulb temperatures corresponding to enthalpy of air refer to psychrometric chart or enthalpy of saturated air tables.

Selection of evaporator fan rpm and motor size

Enter fan performance table and interpolate for 11,200 cfm (5286 l/s) and 1.2 inwg. (300 Pa) ESP to get 978.1 rpm and 5.05 kW absorbed power.

Motor power = 1.2 x absorbed power
= 1.2 x 5.05 = 6.06 kW

Standard selected motor size = 7.5 kW (10HP)

SKM Computer selections are available for quick and proper selections

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACV	51008-S	51010-S	51014-S	52015-S	51017-S	52017-S	52020-S
Cooling Capacity (1)		TR	7.5	9.9	13.4	14.7	15.6	16.4	18.7
		kW	26.3	34.7	47.2	51.5	55.0	57.6	65.7
Cooling Capacity (2)		TR	6.8	9.0	12.4	13.2	14.4	14.8	17.0
		kW	23.8	31.7	43.4	46.5	50.7	52.1	59.9
Compressor	Type	-	Hermetic Scroll Compressor						
	Quantity	-	1	1	1	2	1	2	2
	Oil Charge	US Gal	0.90	0.90	1.24	0.90/0.90	1.80	0.90/0.90	0.90/0.90
	CKT(1/2/3/4)	Liter	3.40	3.40	4.70	3.4/3.4	6.80	3.4/3.4	3.4/3.4
Condenser Coil	Type	-	Air cooled 2, 3or 4 rows 14 FPI (1.8mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	19.4	19.4	24.4	24.4	24.4	24.4	29.3
		m²	1.8	1.8	2.3	2.3	2.3	2.3	2.7
Condenser Fan	Type	-	Propeller direct drive 960 RPM						
	Code / Quantity	-	628/2	628/2	723/2	723/2	723/2	723/2	823/2
	Air Flow Rate	cfm	9240	8920	13240	13240	13240	13240	17880
		l/s	4361	4210	6249	6249	6249	6249	8438
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Quantity	kW	0.37/2	0.37/2	0.75/2	0.75/2	0.75/2	0.75/2	1.5/2
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	6.7	9.2	12.5	12.5	13.6	13.6	15.0
		m²	0.6	0.9	1.2	1.2	1.3	1.3	1.4
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code / Qty.	-	N12-S	N15-S	N12-D	N12-D	N12-D	N12-D	N15-D
	Air Flow Rate	cfm	3000	4000	6000	6000	6600	6600	7500
		l/s	1416	1888	2832	2832	3115	3115	3540
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55						
	Size	kW	1.5	1.5	3.0	3.0	4.0	4.0	4.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	12.1	16.8	22.8	12./12.2	23.1	14.7/11.2	14.7/14.7
		kg	5.5	7.7	10.4	5.5/5.5	10.5	6.7/5.1	6.7/6.7
Number of Refrigerant Circuits		-	1	1	1	2	1	2	2
Unit Operating Weight		lbs	1050	1155	2050	2207	2176	2255	2394
		kg	476	524	930	1001	987	1023	1086

Model		PACV	52023-S	52026-S	52030-S	52032-S	52038-S	52045-S	52050-S
Cooling Capacity (1)		TR	21.6	25.1	28.1	29.7	36.6	42.6	47.4
		kW	75.9	88.4	98.9	104.5	128.8	149.7	166.8
Cooling Capacity (2)		TR	19.8	23.2	25.9	27.4	33.3	39.0	43.7
		kW	69.5	81.5	91.1	96.3	117.2	137.2	153.6
Compressor	Type	-	Hermetic Scroll Compressor						
	Quantity	-	2	2	2	2	4	4	4
	Oil Charge	US Gal	1.24/0.90	1.24/1.24	1.80/1.24	1.80/1.80	1.80/1.80	2.14/2.14	2.48/2.48
	CKT(1/2/3/4)	Liter	4.7/3.4	4.7/4.7	6.8/4.7	6.8/6.8	6.8/6.8	8.1/8.1	9.4/9.4
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	31.5	40.0	40.0	40.0	53.3	64.0	72.0
		m²	2.9	3.7	3.7	3.7	5.0	5.9	6.7
Condenser Fan	Type	-	Propeller direct drive 960 RPM						
	Code / Qty.	-	823/2	823/3	823/3	823/3	829/3	823/4	823/4
	Air Flow Rate	cfm	18180	26160	26160	26160	32040	36480	37280
		l/s	8580	12346	12346	12346	15121	17217	17594
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Qty.	kW	1.5/2	1.5/3	1.5/3	1.5/3	1.5/3	1.5/4	1.5/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	18.0	20.8	25.0	25.0	29.2	34.4	37.5
		m²	1.7	1.9	2.3	2.3	2.7	3.2	3.5
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code / Qty.	-	N15-D	N15-D	N15-D	N15-D	N18-D	N18-D	N18-D
	Air Flow Rate	cfm	8800	10416	11500	11500	14580	17000	18750
		l/s	4153	4916	5427	5427	6881	8023	8849
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55						
	Size	kW	4.0	5.5	7.5	7.5	7.5	11.0	11.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	20.1/14.4	21.4/21.4	19.1/24.6	22.2/22.2	28.6/28.6	33.7/33.7	36.1/36.1
		kg	9.2/6.5	9.7/9.7	8.7/11.2	10.1/10.1	13.0/13.0	15.3/15.3	16.4/16.4
Number of Refrigerant Circuits		-	2	2	2	2	2	2	2
Unit Operating Weight		lbs	2553	3133	3227	3247	3649	4392	4707
		kg	1158	1421	1464	1473	1655	1992	2135

Table 4

Notes:

1. Capacity ratings are based on AHRI Standard 340/360. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 95°F (35°C) dry bulb.
2. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 115°F (46°C) dry bulb.
3. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACV	52055-S	52065-S	53070-S	53075-S	53080-S	53085-S
Cooling Capacity (1)		TR	54.3	62.6	68.2	73.3	76.0	82.4
		kW	191.1	220.3	240.0	257.7	267.1	289.9
Cooling Capacity (2)		TR	50.0	57.6	62.4	67.3	69.6	75.8
		kW	175.8	202.7	219.3	236.7	244.8	266.6
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	4	4	6	6	6	6
	Oil Charge	US Gal	3.03/3.03	3.59/3.59	2.14/2.14/2.14	2.48/2.48/2.48	2.48/2.48/2.48	3.03/3.03/2.48
	CKT(1/2/3/4)	Liter	11.5/11.5	13.6/13.6	8.1/8.1/8.1	9.4/9.4/9.4	9.4/9.4/9.4	11.5/11.5/9.4
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	72.0	72.0	97.5	97.5	97.5	97.5
		m²	6.7	6.7	9.1	9.1	9.1	9.1
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	829/4	829/4	823/6	823/6	823/6	829/6
	Air Flow Rate	cfm	42880	40920	54900	54900	54900	59340
		l/s	20237	19312	25910	25910	25910	28005
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	1.5/4	1.5/4	1.5/6	1.5/6	1.5/6	1.5/6
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	40.0	49.0	55.1	55.1	61.2	63.7
		m²	3.7	4.6	5.1	5.1	5.7	5.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N18-D	N710-S	N800-S	N800-S	N800-S	N900-S
	Air Flow Rate	cfm	18750	23000	25600	25600	28400	30000
		l/s	8849	10855	12082	12082	13403	14158
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55					
	Size	kW	11.0	15.0	15.0	15.0	15.0	15.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	56.9/56.9	72.2/72.2	51.8/51.8/51.8	53.5/53.5/53.5	56.0/56.0/56.0	71.8/71.8/61.5
		kg	25.9/25.9	32.8/32.8	23.5/23.5/23.5	24.3/24.3/24.3	25.5/25.5/25.5	32.6/32.6/28.0
Number of Refrigerant Circuits		-	2	2	3	3	3	3
Unit Operating Weight		lbs	5058	7721	8759	9150	9317	9895
		kg	2294	3502	3973	4150	4226	4488

Model		PACV	53090-S	53095-S	54100-S	54110-S	54115-S	54125-S
Cooling Capacity (1)		TR	87.3	90.9	98.1	105.7	110.9	118.4
		kW	307.1	319.5	344.8	371.8	390.1	416.5
Cooling Capacity (2)		TR	80.3	83.5	90.2	97.4	102.2	109.0
		kW	282.4	293.8	317.1	342.7	359.3	383.5
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	6	6	8	8	8	8
	Oil Charge	US Gal	3.59/3.03/3.03	3.59/3.59/3.03	2.48/2.48/2.48/2.48	3.03/3.03/3.03/2.48	3.59/3.03/3.03/3.03	3.59/3.59/3.59/3.59
	CKT(1/2/3/4)	Liter	13.6/11.5/11.5	13.6/13.6/11.5	9.4/9.4/9.4/9.4	11.5/11.5/11.5/9.4	13.6/11.5/11.5/11.5	13.6/13.6/13.6/13.6
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	97.5	97.5	130.0	130.0	130.0	130.0
		m²	9.1	9.1	12.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Qty.	-	829/6	829/6	829/8	829/8	829/8	829/8
	Air Flow Rate	cfm	59340	59340	83360	79120	79120	79120
		l/s	28005	28005	39342	37340	37340	37340
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	1.5/6	1.5/6	1.5/8	1.5/8	1.5/8	1.5/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	67.5	71.9	73.7	76.2	80.0	85.0
		m²	6.3	6.7	6.9	7.1	7.4	7.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N900-S	N900-S	N900-S	N900-S	N900-S	N900-S
	Air Flow Rate	cfm	31500	33500	33500	35000	37000	40000
		l/s	14866	15810	15810	16518	17462	18878
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55					
	Size	kW	15.0	18.5	18.5	18.5	18.5	22.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	78.8/68.0/68.0	77.7/77.7/66.6	55.2/55.2/55.2/55.2	73.73.0/73.0/54.7	85.5/66.5/66.5/66.5	73.6/73.6/73.6/73.6
		kg	35.8/31.0/31.0	35.3/35.3/30.3	25.1/25.1/25.1/25.1	33.2/33.2/33.2/24.9	38.8/30.2/30.2/30.2	33.3/33.3/33.3/33.3
Number of Refrigerant Circuits		-	3	3	4	4	4	4
Unit Operating Weight		lbs	10045	10236	12796	13223	13358	13566
		kg	4556	4643	5804	5998	6059	6153

Table 4 ends

Notes:

1. Capacity ratings are based on AHRI Standard 340/360. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 95°F (35°C) dry bulb.
2. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 115°F (46°C) dry bulb.
3. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACV	61009-S	61012-S	61018-S	62018-S	61020-S	62020-S	62024-S
Cooling Capacity (1)		TR	8.7	11.5	15.7	17.1	18.2	19.1	21.9
		kW	30.6	40.5	55.1	60.1	64.0	67.1	76.9
Cooling Capacity (2)		TR	7.9	10.6	14.5	15.5	16.8	17.4	20.0
		kW	27.9	37.2	50.8	54.6	59.0	61.2	70.4
Compressor	Type	-	Hermetic Scroll Compressor						
	Quantity	-	1	1	1	2	1	2	2
	Oil Charge	US Gal	0.90	0.90	1.24	0.90/0.90	1.80	0.90/0.90	0.90/0.90
	CKT(1/2/3/4)	Liter	3.40	3.40	4.70	3.4/3.4	6.80	3.4/3.4	3.4/3.4
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	19.4	19.4	24.4	24.4	24.4	24.4	29.3
		m²	1.8	1.8	2.3	2.3	2.3	2.3	2.7
Condenser Fan	Type	-	Propeller direct drive 1150 RPM						
	Code / Quantity	-	628/2	628/2	723/2	723/2	723/2	723/2	823/2
	Air Flow Rate	cfm	11200	10820	15660	15660	15660	15660	21760
		l/s	5286	5106	7391	7391	7391	7391	10270
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Quantity	kW	0.55/2	0.55/2	1.1/2	1.1/2	1.1/2	1.1/2	2.2/2
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	6.7	9.2	12.5	12.5	13.6	13.6	15.0
		m²	0.6	0.9	1.2	1.2	1.3	1.3	1.4
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code / Qty.	-	N12-S	N15-S	N12-D	N12-D	N12-D	N12-D	N15-D
	Air Flow Rate	cfm	3000	4000	6000	6000	6600	6600	7500
		l/s	1416	1888	2832	2832	3115	3115	3540
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55						
	Size	kW	1.5	2.2	3.0	3.0	4.0	4.0	4.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	12.8	17.6	24.0	12.8/12.8	24.2	15.4/11.7	15.4/15.4
		kg	5.8	8.0	10.9	5.8/5.8	11.0	7.0/5.3	7.0/7.0
Number of Refrigerant Circuits		-	1	1	1	2	1	2	2
Unit Operating Weight		lbs	1067	1190	2078	2236	2205	2282	2438
		kg	484.0	540.0	942.0	1014.0	1000.0	1035.0	1106.0

Model		PACV	62028-S	62033-S	62036-S	62037-S	62046-S	62055-S	62060-S
Cooling Capacity (1)		TR	25.2	29.3	32.7	34.5	42.8	50.4	56.1
		kW	88.6	103.2	115.0	121.2	150.6	177.3	197.5
Cooling Capacity (2)		TR	23.2	27.1	30.2	31.8	39.2	46.4	51.9
		kW	81.4	95.5	106.1	111.9	137.8	163.1	182.4
Compressor	Type	-	Hermetic Scroll Compressor						
	Quantity	-	2	2	2	2	4	4	4
	Oil Charge	US Gal	1.24/0.90	1.24/1.24	1.80/1.24	1.80/1.80	1.80/1.80	2.14/2.14	2.48/2.48
	CKT(1/2/3/4)	Liter	4.7/3.4	4.7/4.7	6.8/4.7	6.8/6.8	6.8/6.8	8.1/8.1	9.4/9.4
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	31.5	40.0	40.0	40.0	53.3	64.0	72.0
		m²	2.9	3.7	3.7	3.7	5.0	5.9	6.7
Condenser Fan	Type	-	Propeller direct drive 1150 RPM						
	Code / Qty.	-	823/2	823/3	823/3	823/3	829/3	823/4	823/4
	Air Flow Rate	cfm	22120	31860	31860	31860	38700	44400	45400
		l/s	10439	15036	15036	15036	18264	20954	21426
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Qty.	kW	2.2/2	2.2/3	2.2/3	2.2/3	2.2/3	2.2/4	2.2/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	18.0	20.8	25.0	25.0	29.2	34.4	37.5
		m²	1.7	1.9	2.3	2.3	2.7	3.2	3.5
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code / Qty.	-	N15-D	N15-D	N15-D	N15-D	N18-D	N18-D	N18-D
	Air Flow Rate	cfm	8800	10416	11500	11500	14580	17000	18750
		l/s	4153	4916	5427	5427	6881	8023	8849
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55						
	Size	kW	4.0	5.5	7.5	7.5	7.5	11.0	15.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	21.0/15.0	22.3/22.3	25.8/20.0	23.3/23.3	29.8/29.8	49.0/49.0	52.9/52.9
		kg	9.6/6.8	10.2/10.2	11.7/9.1	10.6/10.6	13.6/13.6	22.3/22.3	24.0/24.0
Number of Refrigerant Circuits		-	2	2	2	2	2	2	2
Unit Operating Weight		lbs	2635	3195	3296	3382	3724	4767	5282
		kg	1195	1449	1495	1534	1689	2162	2396

Table 5

Notes:

1. Capacity ratings are based on AHRI Standard 340/360. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 95°F (35°C) dry bulb.
2. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 115°F (46°C) dry bulb.
3. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACV	62066-S	62076-S	63085-S	63090-S	63095-S	63100-S
Cooling Capacity (1)		TR	62.8	72.6	79.2	84.8	88.0	95.5
		kW	220.8	255.2	278.6	298.2	309.4	336.0
Cooling Capacity (2)		TR	57.9	66.8	72.8	78.2	81.0	88.2
		kW	203.6	235.1	255.9	275.0	284.8	310.0
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	4	4	6	6	6	6
	Oil Charge	US Gal	3.03/3.03	3.59/3.59	2.14/2.14/2.14	2.48/2.48/2.48	2.48/2.48/2.48	3.03/3.03/2.48
	CKT(1/2/3/4)	Liter	11.5/11.5	13.6/13.6	8.1/8.1/8.1	9.4/9.4/9.4	9.4/9.4/9.4	11.5/11.5/9.4
Condenser Coil	Type	-	Air cooled 2, 3 or 4 rows 14FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	72.0	72.0	97.5	97.5	97.5	97.5
		m²	6.7	6.7	9.1	9.1	9.1	9.1
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	829/4	829/4	823/6	823/6	823/6	829/6
	Air Flow Rate	cfm	51760	49560	66840	66840	66840	72000
		l/s	24428	23390	31545	31545	31545	33980
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	2.2/4	2.2/4	2.2/6	2.2/6	2.2/6	2.2/6
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	40.0	49.0	55.1	55.1	61.2	63.7
		m²	3.7	4.6	5.1	5.1	5.7	5.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N18-D	N710-S	N800-S	N800-S	N800-S	N900-S
	Air Flow Rate	cfm	18750	23000	25600	25600	28400	30000
		l/s	8849	10855	12082	12082	13403	14158
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55					
	Size	kW	15.0	15.0	15.0	15.0	15.0	15.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	61.8/61.8	78./78.2	56.3/56.3/56.3	57.9/57.9/57.9	61.0/61.0/61.0	77.2/77.2/66.2
		kg	28.1/28.1	35.5/35.5	25.6/25.6/25.6	26.3/26.3/26.3	27.7/27.7/27.7	35.1/35.1/30.1
Number of Refrigerant Circuits		-	2	2	3	3	3	3
Unit Operating Weight		lbs	5470	8027	8964	9355	9540	10124
		kg	2481	3641	4066	4243	4327	4592

Model		PACV	63105-S	63110-S	64120-S	64130-S	64136-S	64145-S
Cooling Capacity (1)		TR	101.1	105.2	113.4	122.3	128.3	136.9
		kW	355.6	370.0	398.7	430.3	451.2	481.4
Cooling Capacity (2)		TR	93.2	96.9	104.6	113.1	118.5	126.2
		kW	327.8	340.7	368.0	397.7	416.6	443.9
Compressor	Type	-	Hermetic Scroll Compressor					
	Quantity	-	6	6	8	8	8	8
	Oil Charge	US Gal	3.59/3.03/3.03	3.59/3.59/3.03	2.48/2.48/2.48/2.48	3.03/3.03/3.03/2.48	3.59/3.03/3.03/3.03	3.59/3.59/3.59/3.59
	CKT(1/2/3/4)	Liter	13.6/11.5/11.5	13.6/13.6/11.5	9.4/9.4/9.4/9.4	11.5/11.5/11.5/9.4	13.6/11.5/11.5/11.5	13.6/13.6/13.6/13.6
Condenser Coil	Type	-	Air cooled2, 3 or 4 rows 14 FPI (1.8mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	97.5	97.5	130.0	130.0	130.0	130.0
		m²	9.1	9.1	12.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Qty.	-	829/6	829/6	829/8	829/8	829/8	829/8
	Air Flow Rate	cfm	72000	72000	100880	96000	96000	96000
		l/s	33980	33980	47610	45307	45307	45307
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	2.2/6	2.2/6	2.2/8	2.2/8	2.2/8	2.2/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	67.5	71.9	73.7	76.2	80.0	85.0
		m²	6.3	6.7	6.9	7.1	7.4	7.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code / Qty.	-	N900-S	N900-S	N900-S	N900-S	N900-S	N900-S
	Air Flow Rate	cfm	31500	33500	33500	35000	37000	40000
		l/s	14866	15810	15810	16518	17462	18878
Evaporator Motor	Type	-	Totally enclosed, Class F insulation, IP55					
	Size	kW	15.0	18.5	18.5	18.5	18.5	22.0
Refrigerant (R - 134a) Operating Charge Per CKT (1/2/3/4)		lbs	84.8/73.3/73.3	83.8/83.8/71.9	59.7/59.7/59.7/59.7	77.9/77.9/77.9/58.5	91.3/71.0/71.0/71.0	78.3/78.3/78.3/78.3
		kg	38.6/33.3/33.3	38.1/38.1/32.7	27.1/27.1/27.1/27.1	35.4/35.4/35.4/26.6	41.5/32.3/32.3/32.3	35.6/35.6/35.6/35.6
Number of Refrigerant Circuits		-	3	3	4	4	4	4
Unit Operating Weight		lbs	10283	10486	13069	13502	13645	13868
		kg	4664	4756	5928	6124	6189	6290

Table 5 ends

Notes:

1. Capacity ratings are based on AHRI Standard 340/360. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 95°F (35°C) dry bulb.
2. Evaporator entering air conditions of 80°/67°F (27°/19.5°C) dry bulb/wet bulb and condenser entering air temperature of 115°F (46°C) dry bulb.
3. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

GROSS CAPACITY RATINGS - 50 Hz

Model PACV	AFR cfm	AFR l/s	EWB		Condenser Entering Air Temperature																	
					95°F (35°C)					105°F (40.6°C)					115°F (46.1°C)					125°F (51.7°C)				
					Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*
	(BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW
	2333	62	16.7	78.5	23.0	71.2	20.9	5.6	75.0	22.0	69.7	20.4	6.4	71.0	20.8	68.0	19.9	7.1	66.9	19.6	66.3	19.4	7.9
	1101	67	19.4	85.4	25.0	59.0	17.3	5.7	81.6	23.9	57.6	16.9	6.4	77.4	22.7	56.0	16.4	7.2	73.2	21.5	54.4	15.9	7.9
	0.11	72	22.2	91.8	26.9	46.4	13.6	5.8	87.8	25.7	45.0	13.2	6.5	83.5	24.5	43.5	12.8	7.2	79.2	23.2	42.1	12.3	7.8
	3000	62	16.7	82.4	24.2	82.2	24.1	5.7	78.5	23.0	78.5	23.0	6.4	74.2	21.8	74.2	21.8	7.2	69.9	20.5	69.9	20.5	7.9
51008-S	1416	67	19.4	89.7	26.3	67.1	19.7	5.8	85.6	25.1	65.6	19.2	6.5	81.1	23.8	63.9	18.7	7.2	76.6	22.4	62.3	18.3	7.8
	0.13	72	22.2	96.6	28.3	51.7	15.1	5.8	92.2	27.0	50.2	14.7	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3667	62	16.7	85.0	24.9	85.0	24.9	5.7	80.9	23.7	80.9	23.7	6.4	76.4	22.4	76.4	22.4	7.2	71.9	21.1	71.9	21.1	7.9
	1731	67	19.4	92.6	27.2	74.5	21.8	5.8	88.3	25.9	73.0	21.4	6.5	83.5	24.5	71.3	20.9	7.2	78.8	23.1	69.7	20.4	7.8
	0.14	72	22.2	99.8	29.3	56.4	16.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	3208	62	16.7	103.7	30.4	96.1	28.2	7.6	99.2	29.1	94.2	27.6	8.5	94.1	27.6	92.1	27.0	9.6	89.2	26.1	89.2	26.1	10.6
	1514	67	19.4	113.2	33.2	79.5	23.3	7.7	108.5	31.8	77.7	22.8	8.7	103.4	30.3	75.8	22.2	9.7	98.5	28.9	74	21.7	10.8
	0.11	72	22.2	122.1	35.8	62.4	18.3	7.8	117.3	34.4	60.7	17.8	8.8	112.2	32.9	59.0	17.3	9.9	107.2	31.4	57.3	16.8	10.9
	4000	62	16.7	108.3	31.7	108.3	31.7	7.6	103.4	30.3	103.4	30.3	8.6	98.2	28.8	98.2	28.8	9.6	93	27.3	93	27.3	10.7
51010-S	1888	67	19.4	118.3	34.7	89.2	26.1	7.8	113.3	33.2	87.4	25.6	8.8	108.0	31.6	85.4	25.0	9.8	102.8	30.1	83.5	24.5	10.8
	0.12	72	22.2	127.8	37.5	68.7	20.1	7.9	122.7	36.0	67.0	19.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	5042	62	16.7	112.3	32.9	112.3	32.9	7.7	107.2	31.4	107.2	31.4	8.7	101.7	29.8	101.7	29.8	9.7	96.4	28.3	96.4	28.3	10.7
	2380	67	19.4	122.9	36.0	100.9	29.6	7.8	117.6	34.5	99.0	29.0	8.8	112.0	32.8	97.1	28.4	9.9	106.6	31.2	95.2	27.9	10.9
	0.14	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4375	62	16.7	137.2	40.2	129.3	37.9	9.9	131.9	38.7	127.0	37.2	11.2	126.4	37.0	124.7	36.6	12.7	120.6	35.4	120.6	35.4	14.1
	2065	67	19.4	150.9	44.2	107.1	31.4	10.2	145.3	42.6	105.0	30.8	11.5	139.4	40.9	102.8	30.1	13.0	133.3	39.1	100.5	29.5	14.4
	0.11	72	22.2	163.9	48.0	84.1	24.7	10.5	157.9	46.3	82.1	24.1	11.8	151.7	44.5	80.0	23.4	13.3	145.4	42.6	77.9	22.8	14.7
	6000	62	16.7	146.1	42.8	146.1	42.8	10.1	140.2	41.1	140.2	41.1	11.4	134.1	39.3	134.1	39.3	12.9	127.8	37.5	127.8	37.5	14.3
51014-S	2832	67	19.4	161.1	47.2	126.8	37.2	10.4	154.8	45.4	124.6	36.5	11.8	148.2	43.4	122.2	35.8	13.2	141.5	41.5	119.9	35.1	14.6
	0.13	72	22.2	175.2	51.4	97.1	28.5	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6875	62	16.7	149.3	43.8	149.3	43.8	10.2	143.2	42.0	143.2	42.0	11.5	136.9	40.1	136.9	40.1	12.9	130.4	38.2	130.4	38.2	14.3
	3245	67	19.4	164.7	48.3	136.6	40.0	10.5	158.2	46.4	134.3	39.4	11.8	151.4	44.4	131.9	38.7	13.3	144.5	42.3	129.5	37.9	14.6
	0.14	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4375	62	16.7	152.2	44.6	135.8	39.8	11.5	145.1	42.5	132.7	38.9	13.0	137.3	40.2	129.3	37.9	14.6	129.5	38	126	36.9	16.1
	2065	67	19.4	165.3	48.5	112.7	33.0	11.7	157.8	46.3	109.8	32.2	13.2	149.6	43.9	106.7	31.3	14.7	141.6	41.5	103.6	30.4	16.0
	0.11	72	22.2	177.7	52.1	88.9	26.1	11.8	169.7	49.7	86.1	25.2	13.3	161.2	47.3	83.2	24.4	14.7	153	44.8	80.4	23.6	15.9
	6000	62	16.7	161.6	47.4	161.6	47.4	11.6	153.8	45.1	153.8	45.1	13.1	145.3	42.6	145.3	42.6	14.6	136.9	40.1	136.9	40.1	16.1
52015-S	2832	67	19.4	175.8	51.5	132.2	38.8	11.8	167.5	49.1	129.2	37.9	13.2	158.6	46.5	125.9	36.9	14.7	149.9	43.9	122.8	36.0	15.9
	0.13	72	22.2	189.1	55.4	101.6	29.8	12.0	180.3	52.9	98.7	28.9	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6875	62	16.7	165.0	48.4	165.0	48.4	11.7	156.9	46.0	156.9	46.0	13.2	148.1	43.4	148.1	43.4	14.7	139.5	40.9	139.5	40.9	16.0
	3245	67	19.4	179.6	52.6	141.9	41.6	11.9	171.0	50.1	138.8	40.7	13.3	161.7	47.4	135.5	39.7	14.6	152.8	44.8	132.4	38.8	15.9
	0.14	72	22.2	193.3	56.6	107.8	31.6	12.0	184.2	54.0	104.8	30.7	13.3	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4769	62	16.7	159.6	46.8	145.2	42.6	12.9	153.5	45.0	142.6	41.8	14.6	147.0	43.1	139.8	41.0	16.5	140.4	41.2	137.1	40.2	18.2
	2251	67	19.4	175.1	51.3	120.9	35.4	13.2	168.6	49.4	118.3	34.7	15.0	161.8	47.4	115.7	33.9	16.9	154.9	45.4	113.1	33.2	18.5
	0.11	72	22.2	189.8	55.6	95.6	28.0	13.6	182.9	53.6	93.2	27.3	15.4	176.0	51.6	90.8	26.6	17.2	169	49.5	88.4	25.9	18.8
	6600	62	16.7	170.6	50.0	170.6	50.0	13.1	163.8	48.0	163.8	48.0	14.9	156.6	45.9	156.6	45.9	16.7	149.3	43.8	149.3	43.8	18.4
51017-S	3115	67	19.4	187.7	55.0	143.3	42.0	13.5	180.4	52.9	140.6	41.2	15.3	172.9	50.7	137.9	40.4	17.1	165.5	48.5	135.2	39.6	18.8
	0.13	72	22.2	203.6	59.7	110.2	32.3	13.9	196.2	57.5	107.8	31.6	15.7	188.9	55.4	105.5	30.9	17.5	0.0	0.0	0.0	0.0	0.0
	7494	62	16.7	174.3	51.1	174.3	51.1	13.2	167.1	49.0	167.1	49.0	15.0	159.8	46.8	159.8	46.8	16.8	152.3	44.6	152.3	44.6	18.5
	3537	67	19.4	191.8	56.2	153.2	44.9	13.6	184.3	54.0	150.6	44.1	15.4	176.6	51.8	147.8	43.3	17.2	169	49.5	145.2	42.5	18.8
	0.14	72	22.2	208.2	61.0	116.7	34.2	14.1	200.6	58.8	114.2	33.5	15.9	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4769	62	16.7	169.3	49.6	149.4	43.8	13.9	161.2	47.3	145.9	42.8	15.7	152.7	44.7	142.2	41.7	17.5	144.6	42.4	138.8	40.7	19.2
	2251	67	19.4	184.0	53.9	124.4	36.5	14.2	175.6	51.5	121.1	35.5	15.9	166.9	48.9	117.7	34.5	17.7	158.8	46.5	114.6	33.6	19.3
	0.11	72	22.2	197.9	58.0	98.4	28.8	14.4	189.2	55.5	95.4	27.9	16.2	180.4	52.9	92.3	27.1	17.9	172.2	50.5	89.5	26.2	19.4
	6600	62	16.7	180.3	52.9	179.3	52.5	14.1	171.5	50.3	171.5	50.3	15.9	162.3	47.6	162.3	47.6	17.6	153.7	45	153.7	45.0	19.3
52017-S	3115	67	19.4	196.4	57.6	146.5	42.9	14.4	187.2	54.9	143.1	41.9	16.1	177.9	52.1	139.7	40.9	17.9	169.1	49.6	136.5	40.0	19.4
	0.13	72	22.2	211.4	62.0	112.8	33.1	14.6	202.0	59.2	109.7	32.2	16.4	192.5	56.4	106.6	31.3	18.1	0.0	0.0	0.0	0.0	0.0
	7494	62	16.7	184.0	53.9	184.0	53.9	14.2	174.9	51.3	174.9	51.3	15.9	165.5	48.5	165.5	48.5	17.7	156.7	45.9	156.7	45.9	19.3
	3537	67	19.4	200.4	58.7	156.3	45.8	14.4	191.0	56.0	152.9	44.8	16.2	181.4	53.2	149.5	43.8	17.9	172.4	50.5	146.3	42.9	19.4
	0.14	72	22.2	215.9	63.3	119.1	34.9	14.7	206.2	60.4	116.0	34.0	16.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	5250	62	16.7	191.2	56.0	166.6	48.8	15.3	182.6	53.5	162.9	47.7	17.3	173.2	50.8	158.8	46.5	19.4	164.2	48.1	154.9	45.4	21.4
	2478	67	19.4	208.2	61.0	139.1	40.8	15.7	199.4	58.4	135.6	39.8	17.6	189.9	55.7	132.0	38.7	19.7	181	53	128.5	37.7	21.7
	0.11	72	22.2	224.2	65.7	110.5	32.4	15.9	215.1	63.1	107.4	31.5	17.9	205.7	60.3	104.0	30.5	20.1	196.7	57.7	101	29.6	22.1
	7500	62	16.7	205.5	60.2	203.3	59.6	15.6	196.0	57.5	196.0	57.5	17.6	185.9	54.5	185.9	54.5	19.7	176.3	51.7	176.3	51.7	21.7
52020-S	3540	67	19.4	224.1	65.7	166.4	48.8	15.9	214.4	62.9	162.8	47.7	17.9	204.3	59.9	159.1	46.6	20.1	194.7	57.1	155.6	45.6	22.0
	0.14	72	22.2	241.8	70.9	128.4	37.6	16.2	231.8	67.9	125.2	36.7	18.3	221.6	64.9	121.8	35.7	20.5	211.9	62.1	118.7	34.8	22.3
	8250	62	16.7	208.6	61.2	208.6	61.2	15.7	199.0	58.3	199.0	58.3	17.6	188.7	55.3	188.7	55.3	19.7	179	52.5	179	52.5	21.7
	3894	67	19.4	227.7	66.7	174.7	51.2	16.0	217.8	63.8	171.1	50.1	18.0	207.5	60.8	167.4	49.1	20.1	197.7	57.9	163.9	48.0	22.1
	0.14	72	22.2	245.7	72.0	133.8	39.2	16.3	235.6	69.1	130.5	38.3	18.4	225.2	66.0	127.2	37.3	20.5	0	0	0	0.0	0.0
	6300	62	16.7	220.8	64.7	196.2	57.5	18.3	211.4	62.0	192.1	56.3	20.7	201.6	59.1	187.9	55.1	23.2	192	56.3	183.8	53.9	25.5
	2973	67	19.4	241.2	70.7	163.5	47.9	18.8	231.5	67.9	159.7	46.8	21.2	221.4	64.9	155.8	45.7	23.7	211.6	62	152.1	44.6	26.0
	0.11	72	22.2	260.6	76.4	129.7	38.0	19.2	250.5	73.4	126.1	37.0	21.7	240.1	70.4	122.6	35.9	24.2	230.1	67.4	119.1	34.9	26.4
	8800	62	16.7	236.4	69.3	236.4	69.3	18.6	226.1	66.3	226.1	66.3	21.1	215.4	63.1	215.4	63.1	23.6	205	60.1	205	60.1	25.8
52023-S	4153	67	19.4	258.9	75.9	194.0	56.9	19.2	248.1	72.7	190.1	55.7	21.7	237.1	69.5	186.1	54.5	24.2	226.4	66.3	182.2	53.4	26.4
	0.13	72	22.2	280.1	82.1	149.7	43.9	19.7	269.0	78.8	146.1	42.8	22.2	257.6	75.5	142.4	41.7	24.7	0.0	0.0	0.0	0.0	0.0
	9900	62	16.7	241.0	70.6	241.0	70.6	18.8	230.4	67.5	230.4	67.5	21.2	219.5	64.3	219.5	64.3	23.7	208.8	61.2	208.8	61.2	25.9
	4672	67	19.4	264.1	77.4	206.3	60.5	19.3	253.1	74.2	202.3	59.3	21.8	241.7	70.8	198.3	58.1	24.3	230.7	67.6	194.4	57.0	26.4
	0.14	72	22.2	286.0	83.8	157.6	46.2	19.9	274.5	80.4	154.0	45.1	22.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	7292	62	16.7	254.6	74.6	226.6	66.4	19.9	244.9	71.8	222.4	65.2	22.6	234.8	68.8	218.1	63.9	25.5	224.4	65.8	213.7	62.6	28.3
	3441	67	19.4	279.1	81.8	189.3	55.5	20.5	268.9	78.8	185.3	54.3	23.2	258.3	75.7	181.1	53.1	26.2	247.3	72.5	177	51.9	28.9
	0.11	72	22.2	302.5	88.7	150.4	44.1	21.0	291.7	85.5	146.6	43.0	23.8	280.5	82.2	142.7	41.8	26.8	269.1	78.9	138.8	40.7	29.5
	10416	62	16.7	274.4	80.4	274.4	80.4	20.4	263.5	77.2	263.5	77.2	23.1	252.2	73.9	252.2	73.9	26.0	240.6	70.5	240.6	70.5	28.8
52026-S	4916	67	19.4	301.7	88.4	227.5	66.7	21.0	290.2	85.1	223.3	65.5	23.8	278.2	81.5	218.9	64.2	26.7	265.9	77.9	214.5	62.9	29.4
	0.13	72	22.2	327.6	96.0	175.7	51.5	21.6	315.4	92.5	171.7	50.3	24.4	302.8	88.7	167.6	49.1	27.3	296.4	86.9	165.5	48.5	28.7
	11458	62	16.7	278.8	81.7	278.8	81.7	20.5	267.7	78.5	267.7	78.5	23.2	256.1	75.1	256.1	75.1	26.1	244.2	71.6	244.2	71.6	28.9
	5408	67	19.4	306.8	89.9	239.1	70.1	21.1	295.0	86.5	234.9	68.8	23.9	282.6	82.8	230.5	67.6	26.8	270	79.1	226	66.2	29.5
	0.14	72	22.2	333.3	97.7	183.2	53.7	21.7	320.8	94.0	179.2	52.5	24.5	307.8	90.2	175.0	51.3	27.4	0	0	0	0.0	0.0

Table 6

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

GROSS CAPACITY RATINGS - 50 Hz

Model PACV	AFR cfm l/s (BPF)	EWB °F	EWB °C	Condenser Entering Air Temperature																				
				95°F (35°C)					105°F (40.6°C)					115°F (46.1°C)					125°F (51.7°C)				
				Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*
				MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW
52030-S	8750	62	16.7	290.0	85.0	265.2	77.7	23.2	278.7	81.7	260.4	76.3	26.3	266.9	78.2	255.4	74.9	29.7	254.9	74.7	250.3	73.4	32.8
	4130	67	19.4	318.2	93.3	220.6	64.7	23.9	306.2	89.8	215.9	63.3	27.1	293.8	86.1	211.2	61.9	30.4	281.2	82.4	206.5	60.5	33.4
	0.11	72	22.2	344.9	101.1	174.2	51.0	24.6	332.3	97.4	169.8	49.8	27.8	319.5	93.6	165.4	48.5	31.1	306.6	89.9	161	47.2	34.0
	11500	62	16.7	307.0	90.0	307.0	90.0	23.6	294.6	86.3	294.6	86.3	26.8	281.7	82.6	281.7	82.6	30.1	268.6	78.7	268.6	78.7	33.1
	5427	67	19.4	337.5	98.9	254.5	74.6	24.4	324.4	95.1	249.7	73.2	27.6	310.9	91.1	244.7	71.7	30.9	297.2	87.1	239.8	70.3	33.8
	0.13	72	22.2	366.3	107.4	196.5	57.6	25.2	352.7	103.4	192.0	56.3	28.4	339.0	99.4	187.6	55.0	31.6	0.0	0.0	0.0	0.0	0.0
	13750	62	16.7	316.4	92.7	316.4	92.7	23.9	303.4	88.9	303.4	88.9	27.0	289.9	85.0	289.9	85.0	30.3	276.3	81	276.3	81.0	33.3
	6489	67	19.4	348.3	102.1	279.8	82.0	24.7	334.4	98.0	274.9	80.6	27.9	320.3	93.9	269.9	79.1	31.1	306.1	89.7	265	77.7	34.0
	0.14	72	22.2	378.2	110.9	212.9	62.4	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
52032-S	8750	62	16.7	306.2	89.7	272.3	79.8	26.3	294.5	86.3	267.2	78.3	29.8	282.1	82.7	261.8	76.7	33.6	269.6	79	256.5	75.2	36.9
	4130	67	19.4	335.5	98.3	227.3	66.6	27.0	322.9	94.6	222.4	65.2	30.7	309.8	90.8	217.3	63.7	34.4	296.7	87	212.3	62.2	37.6
	0.11	72	22.2	363.2	106.4	180.5	52.9	27.8	350.0	102.6	175.9	51.6	31.4	336.5	98.6	171.3	50.2	35.1	323.1	94.7	166.6	48.8	38.2
	11500	62	16.7	324.8	95.2	318.1	93.2	26.7	311.8	91.4	311.8	91.4	30.3	298.3	87.4	298.3	87.4	34.0	284.6	83.4	284.6	83.4	37.3
	5427	67	19.4	356.6	104.5	261.7	76.7	27.6	342.8	100.5	256.4	75.2	31.2	328.6	96.3	251.2	73.6	34.9	314.5	92.2	246	72.1	38.0
	0.13	72	22.2	386.5	113.3	203.1	59.5	28.4	372.3	109.1	198.4	58.2	32.1	358.1	105.0	193.8	56.8	35.6	343.8	100.8	189.1	55.4	38.5
	13750	62	16.7	335.2	98.2	335.2	98.2	27.0	321.5	94.2	321.5	94.2	30.6	307.3	90.1	307.3	90.1	34.3	293	85.9	293	85.9	37.5
	6489	67	19.4	368.4	108.0	287.0	84.1	27.9	353.9	103.7	281.8	82.6	31.6	339.2	99.4	276.6	81.1	35.2	324.3	95.1	271.4	79.5	38.2
	0.14	72	22.2	399.5	117.1	219.7	64.4	28.8	384.8	112.8	215.0	63.0	32.5	370.4	108.6	210.3	61.7	35.9	0	0	0	0.0	0.0
52038-S	10208	62	16.7	375.0	109.9	325.5	95.4	31.4	357.7	104.8	317.8	93.2	35.4	339.1	99.4	309.7	90.8	39.6	321.6	94.3	302.3	88.6	43.5
	4818	67	19.4	408.1	119.6	271.9	79.7	32.1	390.3	114.4	264.8	77.6	36.1	371.7	109.0	257.5	75.5	40.3	354.5	103.9	250.9	73.5	44.2
	0.11	72	22.2	439.3	128.8	216.1	63.3	32.7	421.1	123.4	209.7	61.5	36.8	402.5	118.0	203.2	59.6	41.1	385.3	112.9	197.3	57.8	44.8
	14580	62	16.7	403.1	118.1	396.8	116.3	32.0	384.0	112.6	384.0	112.6	36.0	364.0	106.7	364.0	106.7	40.2	345.5	101.3	345.5	101.3	44.0
	6881	67	19.4	439.5	128.8	324.9	95.2	32.7	419.9	123.1	317.6	93.1	36.8	400.0	117.2	310.3	91.0	41.0	381.6	111.8	303.6	89.0	44.7
	0.13	72	22.2	473.8	138.9	250.9	73.5	33.4	453.9	133.0	244.4	71.6	37.6	433.8	127.2	237.8	69.7	41.8	415.2	121.7	231.8	67.9	45.3
	16042	62	16.7	409.4	120.0	409.4	120.0	32.1	389.9	114.3	389.9	114.3	36.1	369.6	108.3	369.6	108.3	40.3	350.8	102.8	350.8	102.8	44.1
	7571	67	19.4	446.5	130.9	341.0	99.9	32.8	426.6	125.0	333.7	97.8	36.9	406.4	119.1	326.5	95.7	41.2	387.5	113.6	319.8	93.7	44.9
	0.14	72	22.2	481.6	141.2	261.3	76.6	33.5	461.3	135.2	254.8	74.7	37.8	440.9	129.2	248.2	72.8	42.0	431.1	126.4	245.1	71.8	43.9
52045-S	12031	62	16.7	434.2	127.3	380.2	111.4	36.2	416.1	122.0	372.2	109.1	41.0	396.9	116.3	363.9	106.7	46.1	378	110.8	355.8	104.3	50.8
	5678	67	19.4	474.2	139.0	317.7	93.1	37.2	455.3	133.4	310.2	90.9	42.1	435.6	127.7	302.5	88.7	47.1	416.3	122	295.1	86.5	51.7
	0.11	72	22.2	512.1	150.1	252.7	74.1	38.1	492.4	144.3	245.8	72.1	43.1	472.2	138.4	238.7	70.0	48.1	452.5	132.6	231.9	68.0	52.6
	17000	62	16.7	466.6	136.8	461.8	135.3	37.0	446.5	130.9	446.5	130.9	41.8	425.5	124.7	425.5	124.7	46.9	405	118.7	405	118.7	51.5
	8023	67	19.4	510.8	149.7	378.6	111.0	38.1	489.8	143.6	370.7	108.7	43.0	468.2	137.2	362.8	106.3	48.0	447.1	131.1	355.1	104.1	52.5
	0.13	72	22.2	552.6	162.0	292.7	85.8	39.1	530.7	155.6	285.6	83.7	44.1	508.4	149.0	278.4	81.6	49.1	486.9	142.7	271.4	79.5	53.3
	18906	62	16.7	475.0	139.2	475.0	139.2	37.2	454.4	133.2	454.4	133.2	42.1	432.9	126.9	432.9	126.9	47.1	411.9	120.7	411.9	120.7	51.6
	8923	67	19.4	520.4	152.5	399.7	117.2	38.3	498.8	146.2	391.8	114.9	43.3	476.6	139.7	384.0	112.5	48.3	455	133.3	376.3	110.3	52.7
	0.14	72	22.2	563.2	165.1	306.6	89.9	39.4	540.7	158.5	299.3	87.7	44.4	517.9	151.8	292.0	85.6	49.3	506.7	148.5	288.4	84.5	51.6
52050-S	13125	62	16.7	480.4	140.8	417.7	122.4	41.6	461.9	135.4	409.6	120.0	47.2	442.7	129.7	401.1	117.6	53.1	423	124	392.7	115.1	58.5
	6194	67	19.4	525.6	154.1	349.9	102.6	42.9	506.1	148.3	342.1	100.3	48.6	485.8	142.4	334.2	97.9	54.5	465.2	136.3	326.1	95.6	59.7
	0.11	72	22.2	568.6	166.6	279.2	81.8	44.2	548.0	160.6	271.9	79.7	50.0	526.7	154.4	264.5	77.5	55.8	505.2	148.1	257	75.3	60.9
	18750	62	16.7	518.7	152.0	510.5	149.6	42.7	497.9	145.9	497.9	145.9	48.4	476.2	139.6	476.2	139.6	54.2	454.3	133.2	454.3	133.2	59.4
	8849	67	19.4	569.1	166.8	419.3	122.9	44.2	546.9	160.3	411.0	120.5	50.0	524.1	153.6	402.6	118.0	55.7	501.1	146.9	394.2	115.6	60.8
	0.14	72	22.2	616.7	180.8	325.1	95.3	45.6	593.3	173.9	317.4	93.0	51.4	569.4	166.9	309.6	90.7	57.1	545.6	159.9	301.9	88.5	61.9
	20625	62	16.7	527.4	154.6	527.4	154.6	42.9	506.0	148.3	506.0	148.3	48.6	483.8	141.8	483.8	141.8	54.5	461.3	135.2	461.3	135.2	59.6
	9734	67	19.4	578.9	169.7	440.2	129.0	44.5	556.2	163.0	431.9	126.6	50.3	532.7	156.1	423.4	124.1	56.0	509.1	149.2	415	121.7	61.0
	0.14	72	22.2	627.6	184.0	338.8	99.3	46.0	603.6	176.9	331.0	97.0	51.7	579.0	169.7	323.1	94.7	57.3	554.7	162.6	315.2	92.4	62.1
52055-S	14000	62	16.7	557.6	163.4	485.2	142.2	48.1	535.7	157.0	475.3	139.3	54.5	512.8	150.3	465.1	136.3	61.2	489.6	143.5	454.9	133.3	67.0
	6607	67	19.4	610.9	179.1	407.7	119.5	49.6	587.6	172.2	398.1	116.7	56.2	563.4	165.1	388.4	113.8	62.8	539.2	158	378.7	111.0	68.4
	0.07	72	22.2	661.4	193.8	326.2	95.6	51.1	636.9	186.7	317.3	93.0	57.8	611.9	179.4	308.4	90.4	64.2	587.1	172.1	299.6	87.8	69.5
	18750	62	16.7	593.9	174.1	577.7	169.3	49.1	569.5	166.9	567.4	166.3	55.6	544.3	159.5	544.3	159.5	62.2	519	152.1	519	152.1	67.8
	8849	67	19.4	652.1	191.1	476.4	139.6	50.9	626.3	183.6	466.7	136.8	57.4	599.9	175.8	456.8	133.9	63.8	573.5	168.1	446.8	131.0	69.2
	0.09	72	22.2	707.0	207.2	371.5	108.9	52.5	680.3	199.4	362.3	106.2	59.1	653.5	191.5	353.3	103.5	65.3	640.2	187.6	348.8	102.2	68.0
	22000	62	16.7	611.4	179.2	611.4	179.2	49.6	585.8	171.7	585.8	171.7	56.1	559.5	164.0	559.5	164.0	62.6	533.2	156.3	533.2	156.3	68.2
	10383	67	19.4	672.1	197.0	521.2	152.8	51.5	645.1	189.1	511.1	149.8	58.0	617.4	181.0	501.0	146.8	64.3	590	172.9	490.9	143.9	69.6
	0.1	72	22.2	729.1	213.7	400.2	117.3	53.2	701.4	205.6	391.1	114.6	59.7	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
52065-S	17150	62	16.7	643.3	188.6	576.5	169.0	53.3	617.8	181.1	565.2	165.7	60.5	591.1	173.2	553.5	162.2	67.9	564.1	165.3	541.8	158.8	74.5
	8094	67	19.4	706.0	206.9	482.1	141.3	55.0	678.7	198.9	471.2	138.1	62.3	650.8	190.7	460.1	134.8	69.6	622.8	182.5	449.2	131.7	75.9
	0.07	72	22.2	765.0	224.2	383.2	112.3	56.6	736.9	216.0	373.3	109.4	64.0	708.7	207.7	363.4	106.5	71.1	680.5	199.5	353.5	103.6	77.0
	23000	62	16.7	683.6	200.4	683.6	200.4	54.4	655.2	192.1	655.2	192.1	61.6	626.0	183.5	626.0	183.5	68.9	596.7	174.9	596.7	174.9	75.3
	10855	67	19.4	751.7	220.3	566.3	166.0	56.2	721.9	211.6	555.0	162.7	63.5	691.7	202.7	543.6	159.3	70.6	661.4	193.9	532.4	156.0	76.6
	0.09	72	22.2	815.6	239.0	438.0	128.4	58.1	785.8	230.3	428.1	125.5	65.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	26950	62	16.7	702.7	205.9	702.7	205.9	54.9	673.0	197.3	673.0	197.3	62.1	642.6	188.4	642.6	188.4	69.4	612.3	179.5	612.3	179.5	75.6
	12719	67	19.4	773.2	226.6	619.9	181.7	56.9	742.2	217.5	608.5	178.4	64.1	711.2	208.5	597.2	175.0	71.1	680.1	199.3	586.1	171.8	77.0
	0.1	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
53070-S	19294	62	16.7	705.8	206.9	640.6	187.8	55.5	675.3	197.9	627.2	183.8	62.7	643.5	188.6	613.4	179.8	70.3	612.4	179.5	600	175.9	77.2
	9106	67	19.4	772.9	226.5	533.8	156.5	57.1	741.0	217.2	521.1	152.7	64.5	708.2	207.6	508.3	149.0	72.0	676.3	198.2	495.8	145.3	78.7
	0.07	72	22.2	836.2	245.1	422.5	123.8	58.7	803.1	235.4	410.8	120.4	66.2	769.3	225.5	399.0	116.9	73.6	736.7	215.9	387.7	113.6	80.0
	25600	62	16.7	746.3	218.7	746.3	218.7	56.5	713.2	209.0	713.2	209.0	63.8	679.0	199.0	679.0	199.0	71.2	645.8	189.3	645.8	189.3	78.0
	12082	67	19.4	818.9	240.0	623.8	182.8	58.3	784.0	229.8	610.6	179.0	65.7	748.4	219.4	597.2	175.0	73.1	713.9	209.2	584.6	171.3	79.5
	0.09	72	22.2	887.4	260.1	480.9	140.9	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30319	62	16.7	767.4	224.9	767.4	224.9	57.0	733.0	214.8	733.0	214.8	64.3	697.5	204.4	697.5	204.4	71.7	663.2	194.4	663.2	194.4	78.4
	14309	67	19.4	842.7	247.0	687.4	201.5	58.9	806.3	236.3	674.1	197.6	66.3	769.3	225.5	660.9	193.7	73.6	733.6	215	648.2	190.0	79.9
	0.1	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
53075-S	19294	62	16.7	754.0	221.0	662.1	194.1	64.6	723.8	212.2	648.6	190.1	73.2	692.5	203.0	634.8	186.0	81.9	660.8	193.7	620.9	182.0	89.6
	9106	67	19.4	826.2	242.2	555.4	162.8	66.9	794.2	232.8	542.4	159.0	75.6	761.2	223.1	529.2	155.1	84.2	728	213.4	516	151.2	91.6
	0.07	72	22.2	894.6	262.2	443.4	130.0	69.1	860.8	252.3	431.2	126.4	77.8	826.2	242.2	418.9	122.8	86.2	791.9	232.1	406.9	119.3	93.4
	25600	62	16.7	800.7	234.7	784.7	230.0	66.0	767.5	225.0	767.5	225.0	74.7	733.2	214.9	733.2	214.9	83.3	698.7	204.8	698.7	204.8	90.7
	12082	67	19.4	879.4	257.7	646.5	189.5	68.6	844.0	247.4	633.2	185.6	77.3	807.7	236.7	619.6	181.6	85.7	771.4	226.1	605.9	177.6	92.8
	0.09	72	22.2	953.5	279.5	503.3	147.5	70.9	916.2	268.5	490.5	143.8	79.6	878.4	257.5	477.8	140.0	87.7	0.0	0.0	0.0	0.0	0.0
	30319	62	16.7	825.4	241.9	825.4	241.9	66.8	790.5	231.7	790.5	231.7	75.5	754.6	221.2	754.6	221.2	84.0	718.6	210.6	718.6	210.6	91.3
	14309	67	19.4	907.5	266.0	711.3	208.5	69.5	870.1	255.0	697.4	204.4	78.1	831.8	243.8	683.4	200.3	86.4	794.1	232.7	669.7	196.3	93.4
	0.1	72	22.2	984.7	288.6	544.9	159.7	71.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0

Table 6 continued

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

GROSS CAPACITY RATINGS - 50 Hz

Model PACV	AFR cfm l/s	EWB		Condenser Entering Air Temperature																				
				95°F (35°C)					105°F (40.6°C)					115°F (46.1°C)					125°F (51.7°C)				
				Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*
	(BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW
53080-S	21437	62	16.7	783.2	229.5	711.3	208.5	65.4	751.1	220.1	697.2	204.3	74.1	717.9	210.4	682.8	200.1	82.8	684.5	200.6	668.4	195.9	90.3
	10117	67	19.4	859.3	251.9	593.4	173.9	67.9	825.3	241.9	579.8	169.9	76.7	790.3	231.6	566.0	165.9	85.1	755.3	221.4	552.4	161.9	92.4
	0.07	72	22.2	931.3	273.0	470.2	137.8	70.3	895.3	262.4	457.5	134.1	78.9	858.7	251.7	444.7	130.3	87.2	822.7	241.1	432.2	126.7	94.1
	28400	62	16.7	828.9	242.9	828.9	242.9	66.9	793.7	232.6	793.7	232.6	75.6	757.6	222.0	757.6	222.0	84.1	721.4	211.4	721.4	211.4	91.4
	13403	67	19.4	911.5	267.1	693.1	203.2	69.6	873.7	256.1	678.9	199.0	78.3	835.2	244.8	664.4	194.7	86.5	797.3	233.7	650.5	190.7	93.5
	0.09	72	22.2	989.1	289.9	535.0	156.8	72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	33687	62	16.7	853.2	250.1	853.2	250.1	67.7	816.3	239.3	816.3	239.3	76.4	778.6	228.2	778.6	228.2	84.8	741	217.2	741	217.2	92.0
	15898	67	19.4	938.8	275.2	764.7	224.1	70.5	899.2	263.5	750.2	219.9	79.1	859.0	251.8	735.8	215.7	87.2	819.6	240.2	721.8	211.6	94.0
	0.1	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
53085-S	22312	62	16.7	845.3	247.8	753.8	220.9	67.8	812.0	238.0	738.9	216.6	76.8	777.3	227.8	723.7	212.1	86.4	741.9	217.4	708.3	207.6	95.2
	10530	67	19.4	927.8	271.9	631.0	185.0	69.9	892.4	261.6	616.8	180.8	79.2	855.7	250.8	602.2	176.5	88.7	818.7	240	587.6	172.2	97.2
	0.07	72	22.2	1005.8	294.8	502.3	147.2	72.0	968.6	283.9	489.1	143.4	81.4	930.6	272.8	475.7	139.4	90.7	892.6	261.6	462.4	135.5	98.9
	30000	62	16.7	899.3	263.6	899.3	263.6	69.1	862.4	252.8	862.4	252.8	78.3	824.2	241.6	824.2	241.6	87.8	785.6	230.3	785.6	230.3	96.4
	14158	67	19.4	989.3	290.0	741.8	217.4	71.5	950.2	278.5	727.1	213.1	80.9	909.8	266.7	711.9	208.7	90.2	869.3	254.8	696.7	204.2	98.4
	0.09	72	22.2	1073.9	314.8	574.7	168.4	73.8	1033.3	302.9	561.1	164.5	83.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	35062	62	16.7	924.3	270.9	924.3	270.9	69.8	885.7	259.6	885.7	259.6	79.0	845.9	247.9	845.9	247.9	88.4	805.8	236.2	805.8	236.2	96.9
	16547	67	19.4	1017.7	298.3	810.7	237.6	72.3	976.5	286.2	795.7	233.2	81.6	934.6	273.9	780.4	228.7	90.8	892.8	261.7	765.4	224.3	98.9
	0.1	72	22.2	1105.6	324.1	619.4	181.5	74.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
53090-S	23625	62	16.7	897.3	263.0	799.1	234.2	74.4	861.7	252.6	783.3	229.6	84.4	824.6	241.7	767.0	224.8	94.7	787	230.7	750.6	220.0	104.0
	11150	67	19.4	984.4	288.5	669.0	196.1	76.7	946.5	277.4	653.7	191.6	86.9	907.5	266.0	638.1	187.0	97.1	868.3	254.5	622.8	182.5	106.0
	0.07	72	22.2	1066.6	312.6	532.5	156.1	79.1	1027.2	301.1	518.5	152.0	89.3	987.3	289.4	504.4	147.8	99.3	947.5	277.7	490.5	143.8	107.7
	31500	62	16.7	952.9	279.3	951.8	279.0	75.9	913.6	267.8	913.6	267.8	85.9	872.9	255.8	872.9	255.8	96.1	832	243.9	832	243.9	105.1
	14866	67	19.4	1047.7	307.1	782.5	229.3	78.5	1006.1	294.9	766.8	224.8	88.7	963.6	282.4	750.8	220.1	98.7	921.1	270	734.8	215.4	107.2
	0.09	72	22.2	1136.7	333.2	606.6	177.8	81.1	1094.3	320.7	592.4	173.6	91.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	37125	62	16.7	980.9	287.5	980.9	287.5	76.6	939.6	275.4	939.6	275.4	86.7	897.2	263.0	897.2	263.0	96.8	854.8	250.5	854.8	250.5	105.7
	17521	67	19.4	1079.4	316.4	859.1	251.8	79.4	1035.8	303.6	843.1	247.1	89.6	991.8	290.7	827.1	242.4	99.4	947.9	277.8	811.3	237.8	107.7
	0.1	72	22.2	1171.9	343.5	656.2	192.3	82.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
53095-S	25156	62	16.7	934.9	274.0	841.7	246.7	78.1	897.3	263.0	825.1	241.8	88.6	858.2	251.5	808.0	236.8	99.2	818.9	240	791.1	231.9	108.6
	11872	67	19.4	1025.9	300.7	703.3	206.1	80.6	985.9	289.0	687.3	201.5	91.3	945.0	277.0	671.1	196.7	101.8	904.2	265	655.2	192.0	110.7
	0.07	72	22.2	1111.6	325.8	558.4	163.7	83.2	1070.4	313.7	543.8	159.4	93.8	1029.1	301.6	529.3	155.1	104.0	987.7	289.5	514.9	150.9	112.3
	33500	62	16.7	991.5	290.6	991.5	290.6	79.7	950.0	278.4	950.0	278.4	90.2	907.3	265.9	907.3	265.9	100.7	864.8	253.5	864.8	253.5	109.8
	15810	67	19.4	1090.2	319.5	823.2	241.3	82.5	1046.6	306.7	806.7	236.5	93.1	1002.3	293.8	790.1	231.6	103.3	958.2	280.8	773.7	226.8	111.8
	0.09	72	22.2	1182.8	346.7	636.4	186.5	85.4	1139.2	333.9	621.8	182.2	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	39531	62	16.7	1020.1	299.0	1020.1	299.0	80.5	976.7	286.3	976.7	286.3	91.0	932.4	273.3	932.4	273.3	101.4	888.2	260.3	888.2	260.3	110.3
	18657	67	19.4	1122.5	329.0	904.9	265.2	83.5	1077.1	315.7	888.3	260.4	94.0	1031.6	302.4	871.8	255.5	104.0	986.1	289	855.7	250.8	112.3
	0.1	72	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
54100-S	25812	62	16.7	1012.6	296.8	887.6	260.1	84.5	972.5	285.0	869.6	254.9	95.8	930.9	272.8	851.1	249.5	107.6	888.5	260.4	832.5	244.0	118.1
	12182	67	19.4	1109.9	325.3	744.8	218.3	87.4	1067.5	312.9	727.6	213.3	98.9	1023.4	300.0	710.0	208.1	110.5	979	286.9	692.3	202.9	120.7
	0.07	72	22.2	1202.1	352.3	595.2	174.4	90.1	1157.3	339.2	578.9	169.7	101.8	1111.1	325.7	562.5	164.9	113.2	1065	312.2	546.3	160.1	123.1
	33500	62	16.7	1071.2	314.0	1037.6	304.1	86.2	1027.3	301.1	1019.0	298.7	97.6	982.0	287.8	982.0	287.8	109.2	936.1	274.4	936.1	274.4	119.5
	15810	67	19.4	1176.6	344.9	856.4	251.0	89.4	1130.0	331.2	838.8	245.8	100.9	1082.0	317.1	820.7	240.5	112.3	1033.5	302.9	802.4	235.2	122.2
	0.09	72	22.2	1276.1	374.0	668.7	196.0	92.3	1226.9	359.6	651.8	191.0	103.8	1176.6	344.9	634.7	186.0	115.0	1151.6	337.5	626.3	183.6	120.0
	40562	62	16.7	1109.2	325.1	1109.2	325.1	87.3	1062.8	311.5	1062.8	311.5	98.7	1015.0	297.5	1015.0	297.5	110.3	966.8	283.4	966.8	283.4	120.4
	19143	67	19.4	1220.1	357.6	953.9	279.6	90.7	1170.4	343.1	935.4	274.2	102.2	1119.3	328.1	916.7	268.7	113.4	1068.5	313.2	898.1	263.2	123.1
	0.1	72	22.2	1324.4	388.2	731.3	214.3	93.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
54110-S	26687	62	16.7	1087.5	318.7	936.1	274.4	90.3	1045.8	306.5	917.2	268.8	102.4	1002.1	293.7	897.6	263.1	115.4	957.4	280.6	877.8	257.3	127.4
	12595	67	19.4	1191.7	349.3	788.3	231.0	92.9	1147.4	336.3	770.0	225.7	105.3	1101.1	322.7	751.3	220.2	118.3	1054.3	309	732.5	214.7	130.0
	0.07	72	22.2	1290.5	378.2	632.8	185.5	95.5	1243.8	364.6	615.7	180.5	108.2	1195.6	350.4	598.2	175.3	120.9	1147.2	336.3	581	170.3	132.2
	35000	62	16.7	1155.3	338.6	1099.2	322.2	91.9	1109.2	325.1	1079.4	316.4	104.2	1061.2	311.0	1059.2	310.4	117.1	1012.5	296.8	1012.5	296.8	128.9
	16518	67	19.4	1268.7	371.9	909.8	266.7	94.9	1219.8	357.5	890.8	261.1	107.5	1169.2	342.7	871.8	255.5	120.2	1118.4	327.8	852.6	249.9	131.6
	0.09	72	22.2	1375.7	403.2	713.2	209.0	97.8	1324.5	388.2	695.5	203.9	110.4	1272.5	373.0	677.6	198.6	122.9	1220.6	357.7	660.0	193.5	133.8
	41937	62	16.7	1195.4	350.4	1195.4	350.4	93.0	1146.7	336.1	1146.7	336.1	105.3	1096.1	321.3	1096.1	321.3	118.1	1045	306.3	1045	306.3	129.7
	19792	67	19.4	1314.4	385.2	1006.2	294.9	96.1	1262.7	370.1	986.7	289.2	108.7	1209.5	354.5	966.8	283.4	121.3	1155.8	338.8	947.2	277.6	132.4
	0.1	72	22.2	1426.4	418.1	775.2	227.2	99.2	1372.7	402.3	757.2	221.9	111.8	1318.6	386.5	739.6	216.8	124.0	0	0	0	0.0	0.0
54115-S	28000	62	16.7	1139.5	334.0	981.5	287.7	96.8	1095.7	321.1	961.6	281.8	109.9	1049.7	307.7	941.0	275.8	123.6	1002.8	293.9	920.2	269.7	136.1
	13215	67	19.4	1248.5	365.9	826.3	242.2	99.7	1201.7	352.2	807.0	236.5	113.0	1153.0	337.9	787.3	230.8	126.7	1103.9	323.5	767.6	225.0	138.8
	0.07	72	22.2	1351.6	396.2	663.0	194.3	102.5	1302.4	381.7	645.0	189.1	116.1	1252.0	367.0	626.8	183.7	129.5	1201.6	352.2	608.9	178.5	141.0
	37000	62	16.7	1212.2	355.3	1157.8	339.4	98.7	1163.5	341.0	1136.9	333.2	111.9	1112.8	326.2	1112.8	326.2	125.5	1061.6	311.1	1061.6	311.1	137.7
	17462	67	19.4	1330.9	390.1	957.6	280.7	101.9	1279.1	374.9	937.6	274.8	115.4	1226.0	359.3	917.6	269.0	128.8	1172.8	343.7	897.6	263.1	140.4
	0.09	72	22.2	1442.7	422.9	749.8	219.8	105.1	1389.1	407.1	731.3	214.3	118.6	1335.1	391.3	712.7	208.9	131.6	1281.2	375.5	694.6	203.6	142.6
	44000	62	16.7	1252.1	367.0	1252.1	367.0	99.8	1200.7	351.9	1200.7	351.9	113.0	1147.5	336.3	1147.5	336.3	126.5	1093.9	320.6	1093.9	320.6	138.5
	20766	67	19.4	1376.3	403.4	1054.6	309.1	103.2	1322.0	387.5	1034.2	303.1	116.6	1266.3	371.2	1013.4	297.0	129.9	1210.5	354.8	993	291.1	141.2
	0.1	72	22.2	1493.1	437.6	812.2	238.0	106.6	1437.3	421.3	793.5	232.6	120.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
54125-S	29750	62	16.7	1213.3	355.6	1044.0	306.0	107.0	1166.3	341.8	1022.6	299.7	121.4	1117.0	327.4	1000.6	293.3	136.2	1067.1	312.8	978.4	286.8	149.3
	14040	67	19.4	1328.7	389.4	878.9	257.6	110.1	1278.4	374.7	858.1	251.5	124.9	1226.2	359.4	837.0	245.3	139.5	1174.1	344.1	816.1	239.2	152.0
	0.07	72	22.2	1437.9	421.4	705.1	206.7	113.3	1385.2	406.0	685.8	201.0	128.2	1331.6	390.3	666.4	195.3	142.5	1278.3	374.7	647.5	189.8	154.3
	40000	62	16.7	1294.9	379.5	1244.3	364.7	109.2	1242.2	364.1	1221.8	358.1	123.8	1187.6	348.1	1187.6	348.1	138.4	1132.9	332.1	1132.9	332.1	151.0
	18878	67	19.4	1421.1	416.5	1027.8	301.3	112.8	1365.3	400.2	1006.5	295.0	127.6	1308.4	383.5	985.1	288.7	141.9	1251.8	366.9	963.8	282.5	153.8
	0.09	72	22.2	1540.0	451.4	803.5	235.5	116.5	1483.0	434.7	783.8	229.7	131.1	1426.3	418.0	764.4	224.0	144.9	1369.0	401.2	745.2	218.4	155.9
	46750	62	16.7	1332.8	390.6	1332.8	390.6	110.3	1277.5	374.4	1277.5	374.4	124.8	1220.5	357.7	1220.5	357.7	139.4	1163.7	341.1	1163.7	341.1	151.8
	22064	67	19.4	1464.2	429.2	1121.3	328.6	114.1	1406.1	412.1	1099.3	322.2	128.8	1347.1	394.8	1077.4	315.8	142.9	1288	377.5	1055.8	309.4	154.5
	0.1	72	22.2	1587.7	465.4	863.4	253.1	118.0	1529.3	448.2	843.8	247.3	132.5	1471.6	431.3	825.0	241.8	146.0	0	0	0	0.0	0.0

Table 6 ends

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

GROSS CAPACITY RATINGS - 60 Hz

Model PACV	AFR cfm l/s (BPF)	EWB °F	EWB °C	Condenser Entering Air Temperature 95°F (35°C) Total Capacity MBh	95°F (35°C) Total Capacity kW	95°F (35°C) Sensible Capacity MBh	95°F (35°C) Sensible Capacity kW	95°F (35°C) PI* kW	105°F (40.6°C) Total Capacity MBh	105°F (40.6°C) Total Capacity kW	105°F (40.6°C) Sensible Capacity MBh	105°F (40.6°C) Sensible Capacity kW	105°F (40.6°C) PI* kW	115°F (46.1°C) Total Capacity MBh	115°F (46.1°C) Total Capacity kW	115°F (46.1°C) Sensible Capacity MBh	115°F (46.1°C) Sensible Capacity kW	115°F (46.1°C) PI* kW	125°F (51.7°C) Total Capacity MBh	125°F (51.7°C) Total Capacity kW	125°F (51.7°C) Sensible Capacity MBh	125°F (51.7°C) Sensible Capacity kW	125°F (51.7°C) PI* kW
	2333	62	16.7	91.0	26.7	78.7	23.1	7.0	86.7	25.4	76.8	22.5	7.9	82.2	24.1	74.8	21.9	8.9	77.7	22.8	72.9	21.4	9.8
	1101	67	19.4	98.9	29.0	65.8	19.3	7.2	94.5	27.7	64.0	18.8	8.1	89.9	26.4	62.2	18.2	9.0	85.7	25.1	60.5	17.7	10.0
	0.07	72	22.2	105.9	31.0	52.2	15.3	7.3	101.5	29.7	50.6	14.8	8.2	97.0	28.4	49.1	14.4	9.2	93	27.2	47.6	14.0	10.1
	3000	62	16.7	96.4	28.2	91.0	26.7	7.1	91.8	26.9	89.0	26.1	8.0	87.0	25.5	87.0	25.5	9.0	82.3	24.1	82.3	24.1	9.9
61009-S	1416	67	19.4	104.5	30.6	74.8	21.9	7.3	99.9	29.3	73.1	21.4	8.2	95.1	27.9	71.3	20.9	9.2	90.8	26.6	69.7	20.4	10.0
	0.09	72	22.2	111.5	32.7	58.0	17.0	7.4	107.0	31.4	56.4	16.5	8.3	102.5	30.0	54.9	16.1	9.3	100.4	29.4	54.2	15.9	9.7
	3667	62	16.7	100.0	29.3	100.0	29.3	7.2	95.2	27.9	95.2	27.9	8.1	90.2	26.4	90.2	26.4	9.0	85.5	25.1	85.5	25.1	10.0
	1731	67	19.4	108.2	31.7	83.1	24.4	7.4	103.5	30.3	81.4	23.9	8.3	98.6	28.9	79.6	23.3	9.2	94.2	27.6	78	22.9	10.1
	0.1	72	22.2	115.1	33.7	63.2	18.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	3208	62	16.7	120.5	35.3	106.1	31.1	9.5	115.5	33.9	103.9	30.5	10.6	110.1	32.3	101.6	29.8	11.9	104.8	30.7	99.3	29.1	13.0
	1514	67	19.4	131.3	38.5	88.6	26.0	9.7	126.1	37.0	86.5	25.4	10.9	120.6	35.3	84.3	24.7	12.1	115.3	33.8	82.3	24.1	13.3
	0.07	72	22.2	141.5	41.5	70.3	20.6	10.0	136.1	39.9	68.4	20.1	11.1	130.4	38.2	66.4	19.5	12.4	125	36.6	64.5	18.9	13.5
	4000	62	16.7	126.7	37.1	120.8	35.4	9.6	121.4	35.6	118.5	34.7	10.8	115.6	33.9	115.6	33.9	12.0	110.1	32.3	110.1	32.3	13.1
61012-S	1888	67	19.4	138.3	40.5	99.5	29.2	9.9	132.7	38.9	97.4	28.6	11.0	126.8	37.2	95.2	27.9	12.3	121.1	35.5	93.1	27.3	13.4
	0.08	72	22.2	149.2	43.7	77.6	22.7	10.1	143.3	42.0	75.6	22.1	11.3	137.2	40.2	73.5	21.6	12.6	134.3	39.4	72.5	21.3	13.1
	5042	62	16.7	132.5	38.8	132.5	38.8	9.8	126.8	37.2	126.8	37.2	10.9	120.7	35.4	120.7	35.4	12.1	114.8	33.7	114.8	33.7	13.3
	2380	67	19.4	144.8	42.4	112.8	33.1	10.0	138.8	40.7	110.6	32.4	11.2	132.4	38.8	108.3	31.7	12.4	126.5	37.1	106.2	31.1	13.5
	0.1	72	22.2	156.2	45.8	86.2	25.3	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4375	62	16.7	158.6	46.5	142.2	41.7	12.5	152.7	44.8	139.6	40.9	14.1	146.6	43.0	137.0	40.1	15.8	140.3	41.1	134.3	39.3	17.4
	2065	67	19.4	174.1	51.0	118.8	34.8	12.9	167.9	49.2	116.4	34.1	14.5	161.4	47.3	113.8	33.4	16.2	154.8	45.4	111.2	32.6	17.8
	0.07	72	22.2	188.8	55.3	94.4	27.7	13.2	182.2	53.4	92.1	27.0	14.8	175.4	51.4	89.7	26.3	16.5	168.4	49.4	87.3	25.6	18.1
	6000	62	16.7	170.7	50.0	170.7	50.0	12.8	164.1	48.1	164.1	48.1	14.4	157.2	46.1	157.2	46.1	16.1	150.2	44	150.2	44.0	17.7
61018-S	2832	67	19.4	187.9	55.1	141.2	41.4	13.2	180.9	53.0	138.6	40.6	14.8	173.5	50.9	135.8	39.8	16.5	166.1	48.7	133.1	39.0	18.1
	0.09	72	22.2	204.2	59.8	109.3	32.0	13.5	196.7	57.7	106.8	31.3	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6875	62	16.7	175.2	51.4	175.2	51.4	12.9	168.4	49.3	168.4	49.3	14.5	161.2	47.2	161.2	47.2	16.2	153.9	45.1	153.9	45.1	17.8
	3245	67	19.4	193.1	56.6	152.3	44.6	13.3	185.7	54.4	149.5	43.8	14.9	178.0	52.2	146.8	43.0	16.6	170.3	49.9	144	42.2	18.2
	0.1	72	22.2	210.0	61.6	116.5	34.2	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4375	62	16.7	175.6	51.5	149.8	43.9	14.3	167.2	49.0	146.0	42.8	16.1	158.4	46.4	142.1	41.6	18.1	149.9	43.9	138.4	40.6	19.9
	2065	67	19.4	190.9	56.0	125.6	36.8	14.7	182.3	53.4	122.1	35.8	16.5	173.4	50.8	118.6	34.7	18.5	165.2	48.4	115.3	33.8	20.3
	0.07	72	22.2	204.6	60.0	100.1	29.3	15.0	195.9	57.4	96.9	28.4	16.9	187.2	54.9	93.9	27.5	18.8	179.5	52.6	91.2	26.7	20.5
	6000	62	16.7	188.9	55.4	179.6	52.7	14.6	179.6	52.6	175.8	51.5	16.5	170.1	49.8	170.1	49.8	18.4	161.2	47.3	161.2	47.3	20.2
62018-S	2832	67	19.4	204.9	60.1	147.6	43.3	15.0	195.6	57.3	144.1	42.2	16.9	186.2	54.6	140.6	41.2	18.8	178	52.2	137.5	40.3	20.5
	0.09	72	22.2	218.8	64.1	114.2	33.5	15.4	209.6	61.4	111.1	32.6	17.2	200.9	58.9	108.2	31.7	19.1	193.4	56.7	105.7	31.0	20.7
	6875	62	16.7	193.7	56.8	193.7	56.8	14.7	184.2	54.0	184.2	54.0	16.6	174.4	51.1	174.4	51.1	18.5	165.5	48.5	165.5	48.5	20.3
	3245	67	19.4	209.9	61.5	158.5	46.5	15.1	200.4	58.7	154.9	45.4	17.0	190.9	56.0	151.5	44.4	18.9	182.6	53.5	148.4	43.5	20.5
	0.1	72	22.2	223.7	65.6	121.0	35.5	15.5	214.5	62.9	118.0	34.6	17.3	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4769	62	16.7	183.8	53.9	159.9	46.9	16.2	177.0	51.9	156.8	46.0	18.2	169.9	49.8	153.7	45.0	20.4	162.6	47.6	150.5	44.1	22.3
	2251	67	19.4	201.3	59.0	134.2	39.3	16.7	194.0	56.9	131.2	38.5	18.8	186.4	54.6	128.2	37.6	20.9	178.7	52.4	125.1	36.7	22.8
	0.07	72	22.2	217.9	63.9	107.3	31.4	17.1	210.2	61.6	104.5	30.6	19.3	202.2	59.3	101.7	29.8	21.4	194.3	57	98.9	29.0	23.2
	6600	62	16.7	198.8	58.3	193.7	56.8	16.6	191.0	56.0	190.4	55.8	18.7	182.8	53.6	182.8	53.6	20.8	174.6	51.2	174.6	51.2	22.7
61020-S	3115	67	19.4	218.3	64.0	159.7	46.8	17.1	210.0	61.5	156.5	45.9	19.3	201.4	59.0	153.3	44.9	21.4	192.9	56.5	150.1	44.0	23.2
	0.09	72	22.2	236.7	69.4	124.2	36.4	17.7	228.0	66.8	121.3	35.6	19.9	219.4	64.3	118.5	34.7	21.9	215.2	63.1	117.0	34.3	22.8
	7494	62	16.7	203.9	59.8	203.9	59.8	16.7	195.8	57.4	195.8	57.4	18.8	187.3	54.9	187.3	54.9	20.9	178.8	52.4	178.8	52.4	22.8
	3537	67	19.4	224.2	65.7	171.0	50.1	17.3	215.5	63.2	167.8	49.2	19.4	206.6	60.5	164.5	48.2	21.5	197.8	58	161.3	47.3	23.3
	0.1	72	22.2	243.1	71.3	131.7	38.6	18.0	234.3	68.7	128.8	37.7	20.1	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	4769	62	16.7	195.2	57.2	165.0	48.4	17.3	186.2	54.6	160.9	47.2	19.5	176.8	51.8	156.8	45.9	21.7	168.2	49.3	152.9	44.8	23.7
	2251	67	19.4	212.2	62.2	138.6	40.6	17.8	202.9	59.5	134.8	39.5	20.0	193.5	56.7	131.0	38.4	22.2	185.1	54.3	127.7	37.4	24.1
	0.07	72	22.2	228.0	66.8	110.9	32.5	18.3	218.5	64.0	107.5	31.5	20.5	209.1	61.3	104.1	30.5	22.6	201	58.9	101.3	29.7	24.4
	6600	62	16.7	210.6	61.7	198.7	58.2	17.8	200.6	58.8	194.5	57.0	19.9	190.5	55.8	190.3	55.8	22.1	181.4	53.2	181.4	53.2	24.0
62020-S	3115	67	19.4	229.1	67.1	163.7	48.0	18.3	218.9	64.2	159.9	46.9	20.5	208.9	61.2	156.1	45.7	22.6	200.1	58.7	152.8	44.8	24.4
	0.09	72	22.2	245.9	72.1	127.4	37.3	18.8	235.6	69.1	123.9	36.3	21.0	225.8	66.2	120.6	35.3	23.1	217.5	63.8	117.8	34.5	24.7
	7494	62	16.7	215.8	63.2	214.0	62.7	17.9	205.5	60.2	205.5	60.2	20.1	195.2	57.2	195.2	57.2	22.2	185.9	54.5	185.9	54.5	24.1
	3537	67	19.4	234.7	68.8	175.0	51.3	18.5	224.2	65.7	171.0	50.1	20.7	214.0	62.7	167.3	49.0	22.8	205.2	60.1	164	48.1	24.5
	0.1	72	22.2	251.9	73.8	134.6	39.4	19.0	241.4	70.7	131.1	38.4	21.2	231.5	67.8	127.9	37.5	23.2	0	0	0	0.0	0.0
	5250	62	16.7	221.1	64.8	184.5	54.1	19.2	211.8	62.1	180.3	52.8	21.6	201.9	59.2	175.8	51.5	24.1	192.4	56.4	171.5	50.3	26.4
	2478	67	19.4	240.4	70.5	155.4	45.6	19.7	230.8	67.6	151.5	44.4	22.1	220.7	64.7	147.4	43.2	24.5	211.2	61.9	143.5	42.1	26.8
	0.07	72	22.2	258.6	75.8	125.0	36.6	20.2	248.7	72.9	121.3	35.6	22.6	238.4	69.9	117.5	34.4	25.0	228.8	67.1	114.1	33.5	27.2
	7500	62	16.7	240.7	70.5	226.0	66.2	19.7	230.3	67.5	221.5	64.9	22.1	219.3	64.3	216.9	63.6	24.5	209	61.3	209	61.3	26.7
62024-S	3540	67	19.4	262.3	76.9	186.5	54.7	20.3	251.5	73.7	182.4	53.5	22.7	240.3	70.4	178.2	52.2	25.1	229.9	67.4	174.3	51.1	27.2
	0.09	72	22.2	282.6	82.8	145.7	42.7	20.8	271.3	79.5	141.8	41.6	23.2	259.9	76.2	137.9	40.4	25.6	249.5	73.1	134.5	39.4	27.7
	8250	62	16.7	245.3	71.9	238.8	70.0	19.8	234.6	68.8	234.3	68.7	22.2	223.4	65.5	223.4	65.5	24.6	212.8	62.4	212.8	62.4	26.8
	3894	67	19.4	267.4	78.4	196.0	57.5	20.4	256.3	75.1	191.8	56.2	22.8	244.8	71.8	187.5	55.0	25.2	234.3	68.7	183.6	53.8	27.3
	0.1	72	22.2	288.2	84.5	151.8	44.5	21.0	276.6	81.1	147.9	43.4	23.4	264.8	77.6	144.0	42.2	25.8	254.3	74.5	140.6	41.2	27.8
	6300	62	16.7	254.9	74.7	216.7	63.5	23.0	244.7	71.7	212.1	62.2	25.8	234.2	68.6	207.3	60.8	28.8	223.8	65.6	202.8	59.4	31.4
	2973	67	19.4	278.1	81.5	182.2	53.4	23.6	267.5	78.4	177.9	52.1	26.5	256.5	75.2	173.5	50.8	29.4	246	72.1	169.2	49.6	32.0
	0.07	72	22.2	300.1	87.9	146.1	42.8	24.3	289.0	84.7	142.1	41.6	27.2	277.7	81.4	138.0	40.5	30.1	266.9	78.2	134.2	39.3	32.5
	8800	62	16.7	276.3	81.0	262.9	77.0	23.6	264.8	77.6	258.1	75.6	26.5	253.0	74.2	253.0	74.2	29.3	241.7	70.8	241.7	70.8	31.9
62028-S	4153	67	19.4	302.2	88.6	216.9	63.6	24.3	290.1	85.0	212.4	62.3	27.2	277.9	81.5	207.8	60.9	30.1	266.3	78.1	203.4	59.6	32.5
	0.09	72	22.2	326.5	95.7	169.3	49.6	25.1	314.0	92.0	165.0	48.4	28.0	301.3	88.3	160.8	47.1	30.8	289.5	84.9	156.8	46.0	33.0
	9900	62	16.7	282.8	82.9	281.7	82.6	23.8	271.0	79.4	271.0	79.4	26.6	258.8	75.9	258.8	75.9	29.5	247.1	72.4	247.1	72.4	32.0
	4672	67	19.4	309.6	90.7	231.0	67.7	24.6	297.1	87.1	226.3	66.3	27.5	284.5	83.4	221.6	64.9	30.3	272.5	79.9	217.2	63.7	32.7
	0.1	72	22.2	334.7	98.1	178.5	52.3	25.3	321.7	94.3	174.1	51.0	28.3	308.6	90.5	169.9	49.8	31.0	302.4	88.6	167.8	49.2	32.2
	7292	62	16.7	293.6	86.0	250.1	73.3	25.2	282.9	82.9	245.3	71.9	28.3	271.8	79.7	240.3	70.4	31.7	260.4	76.3	235.3	69.0	35.0
	3441	67	19.4	321.3	94.2	210.7	61.8	25.8	310.1	90.9	206.1	60.4	29.1	298.4	87.5	201.4	59.0	32.5	286.4	84	196.6	57.6	35.7
	0.07	72	22.2	347.7	101.9	169.3	49.6	26.5	335.9	98.5	165.0	48.4	29.8	323.6	94.8	160.6	47.1	33.2	311.1	91.2	156.1	45.8	36.3
	10416	62	16.7	320.6	94.0	308.0	90.3	25.8	308.4	90.4	302.9	88.8	29.0	295.7	86.7	295.7	86.7	32.4	282.8	82.9	282.8	82.9	35.6
62033-S	4916	67	19.4	352.0	103.2	254.3	74.5	26.6	339.1	99.4	249.5	73.1	29.9	325.7	95.5	244.4	71.6	33.3	312.1	91.5	239.3	70.1	36.4
	0.09	72	22.2	381.8	111.9	198.6	58.2	27.3	368.1	107.9	194.0	56.9	30.7	354.0	103.7	189.2	55.5	34.1	339.8	99.6	184.5	54.1	37.0
	11458	62	16.7	327.0	95.8	325.9	95.5	26.0	314.4	92.1	314.4	92.1	29.2	301.3	88.3	301.3	88.3	32.6	288	84.4	288	84.4	35.7
	5408	67	19.4	359.3	105.3	267.7	78.5	26.7	345.9	101.4	262.7	77.0	30.0	332.1	97.3	257.5	75.5	33.5	318	93.2	252.3	74.0	36.5
	0.1	72	22.2	389.8	114.3	207.4	60.8	27.5	375.7	110.1	202.6	59.4	30.9	361.1	105.8	197.9	58.0	34.3	353.8	103.7	195.5	57.3	35.8

Table 7

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

GROSS CAPACITY RATINGS - 60 Hz

Model PACV	AFR cfm l/s (BPF)	EWB °F	EWB °C	Condenser Entering Air Temperature 95°F (35°C) Total Capacity MBh	95°F (35°C) Total Capacity kW	95°F (35°C) Sensible Capacity MBh	95°F (35°C) Sensible Capacity kW	95°F (35°C) PI* kW	105°F (40.6°C) Total Capacity MBh	105°F (40.6°C) Total Capacity kW	105°F (40.6°C) Sensible Capacity MBh	105°F (40.6°C) Sensible Capacity kW	105°F (40.6°C) PI* kW	115°F (46.1°C) Total Capacity MBh	115°F (46.1°C) Total Capacity kW	115°F (46.1°C) Sensible Capacity MBh	115°F (46.1°C) Sensible Capacity kW	115°F (46.1°C) PI* kW	125°F (51.7°C) Total Capacity MBh	125°F (51.7°C) Total Capacity kW	125°F (51.7°C) Sensible Capacity MBh	125°F (51.7°C) Sensible Capacity kW	125°F (51.7°C) PI* kW
	8750	62	16.7	334.3	98.0	292.1	85.6	29.3	321.9	94.3	286.5	84.0	33.0	308.9	90.5	280.8	82.3	36.8	295.5	86.6	274.9	80.6	40.3
	4130	67	19.4	366.3	107.3	245.0	71.8	30.1	352.9	103.4	239.6	70.2	33.9	339.1	99.4	234.0	68.6	37.8	325.1	95.3	228.5	67.0	41.2
	0.07	72	22.2	396.5	116.2	195.6	57.3	31.0	382.4	112.1	190.6	55.9	34.8	367.9	107.8	185.4	54.4	38.6	353.5	103.6	180.4	52.9	41.9
	11500	62	16.7	357.4	104.7	343.2	100.6	29.9	343.4	100.6	337.3	98.9	33.6	328.9	96.4	328.9	96.4	37.4	314.2	92.1	314.2	92.1	40.9
62036-S	5427	67	19.4	392.4	115.0	283.4	83.1	30.9	377.5	110.6	277.8	81.4	34.7	362.1	106.1	272.0	79.7	38.5	346.8	101.7	266.3	78.0	41.7
	0.09	72	22.2	425.3	124.7	221.4	64.9	31.9	409.7	120.1	216.0	63.3	35.7	394.0	115.5	210.8	61.8	39.4	378.5	110.9	205.6	60.2	42.5
	13750	62	16.7	370.6	108.6	370.6	108.6	30.3	355.8	104.3	355.8	104.3	34.0	340.4	99.8	340.4	99.8	37.8	325	95.3	325	95.3	41.1
	6489	67	19.4	407.5	119.4	312.3	91.5	31.3	391.7	114.8	306.5	89.8	35.1	375.4	110.0	300.5	88.1	38.9	359.3	105.3	294.7	86.4	42.0
	0.1	72	22.2	442.0	129.6	240.3	70.4	32.4	425.7	124.8	234.9	68.9	36.2	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	8750	62	16.7	352.3	103.3	300.2	88.0	33.0	339.4	99.5	294.3	86.3	37.2	325.8	95.5	288.2	84.5	41.5	311.9	91.4	282.1	82.7	45.2
	4130	67	19.4	385.3	112.9	252.7	74.1	34.0	371.3	108.8	247.0	72.4	38.3	356.8	104.6	241.1	70.7	42.5	342.2	100.3	235.3	69.0	46.1
	0.07	72	22.2	416.6	122.1	202.9	59.5	35.0	401.7	117.7	197.5	57.9	39.3	386.5	113.3	192.0	56.3	43.5	371.5	108.9	186.7	54.7	47.0
	11500	62	16.7	377.4	110.6	351.8	103.1	33.7	362.8	106.3	345.5	101.3	38.0	347.5	101.8	339.1	99.4	42.2	332.1	97.3	332.1	97.3	45.8
62037-S	5427	67	19.4	413.7	121.3	291.6	85.5	34.9	397.9	116.6	285.5	83.7	39.2	381.7	111.9	279.4	81.9	43.3	365.8	107.2	273.4	80.1	46.8
	0.09	72	22.2	447.9	131.3	229.1	67.2	36.0	431.4	126.4	223.5	65.5	40.3	414.9	121.6	217.8	63.8	44.4	398.7	116.9	212.3	62.2	47.7
	13750	62	16.7	392.0	114.9	391.0	114.6	34.2	376.3	110.3	376.3	110.3	38.4	360.0	105.5	360.0	105.5	42.6	343.8	100.8	343.8	100.8	46.2
	6489	67	19.4	430.2	126.1	320.9	94.1	35.4	413.4	121.2	314.6	92.2	39.7	396.4	116.2	308.2	90.3	43.8	379.6	111.3	302.1	88.5	47.2
	0.1	72	22.2	466.1	136.6	248.3	72.8	36.7	448.9	131.6	242.5	71.1	40.9	431.9	126.6	237.0	69.5	44.9	423.5	124.1	234.2	68.7	46.6
	10208	62	16.7	433.3	127.0	360.4	105.6	39.3	414.5	121.5	351.8	103.1	44.2	395.0	115.8	342.9	100.5	49.1	376.7	110.4	334.7	98.1	53.6
	4818	67	19.4	470.8	138.0	303.7	89.0	40.4	451.6	132.4	295.7	86.7	45.2	431.8	126.5	287.6	84.3	50.1	413.5	121.2	280.2	82.1	54.4
	0.07	72	22.2	506.4	148.4	244.3	71.6	41.4	486.5	142.6	236.9	69.4	46.3	466.3	136.7	229.6	67.3	51.1	448.2	131.4	223.1	65.4	55.3
	14580	62	16.7	471.8	138.3	441.0	129.2	40.4	450.8	132.1	432.0	126.6	45.2	429.3	125.8	423.0	124.0	50.1	409.5	120	409.5	120.0	54.3
62046-S	6881	67	19.4	513.9	150.6	364.0	106.7	41.6	492.1	144.2	355.8	104.3	46.5	470.3	137.8	347.5	101.9	51.3	450.6	132.1	340.1	99.7	55.3
	0.09	72	22.2	553.3	162.2	284.5	83.4	42.8	530.8	155.6	276.8	81.1	47.7	508.5	149.0	269.3	78.9	52.4	489.1	143.4	262.8	77.0	56.2
	16042	62	16.7	480.8	140.9	465.9	136.6	40.7	459.2	134.6	456.9	133.9	45.5	437.2	128.2	437.2	128.2	50.3	417.1	122.3	417.1	122.3	54.5
	7571	67	19.4	523.9	153.6	382.7	112.2	41.9	501.6	147.0	374.3	109.7	46.8	479.2	140.5	365.8	107.2	51.5	459.3	134.6	358.4	105.1	55.5
	0.1	72	22.2	564.2	165.4	296.5	86.9	43.1	541.0	158.6	288.7	84.6	48.1	518.4	151.9	281.2	82.4	52.7	498.7	146.2	274.8	80.5	56.4
	12031	62	16.7	513.3	150.4	432.6	126.8	45.9	492.8	144.4	423.2	124.0	51.6	471.5	138.2	413.5	121.2	57.5	450.6	132.1	404.1	118.4	62.8
	5678	67	19.4	560.0	164.2	364.9	106.9	47.3	538.7	157.9	356.0	104.3	53.0	516.6	151.4	346.9	101.7	58.8	495.3	145.2	338.2	99.1	64.0
	0.07	72	22.2	604.4	177.1	293.8	86.1	48.5	582.1	170.6	285.4	83.6	54.4	559.3	163.9	277.0	81.2	60.2	537.5	157.5	269.1	78.9	65.0
	17000	62	16.7	553.2	162.1	529.2	155.1	47.1	530.3	155.4	519.4	152.2	52.8	506.8	148.5	506.8	148.5	58.5	483.9	141.8	483.9	141.8	63.7
62055-S	8023	67	19.4	605.1	177.3	436.6	128.0	48.5	581.1	170.3	427.5	125.3	54.3	556.6	163.1	418.3	122.6	60.1	533.3	156.3	409.5	120.0	64.9
	0.09	72	22.2	653.9	191.7	340.9	99.9	50.0	628.8	184.3	332.2	97.4	55.9	603.5	176.9	323.6	94.8	61.5	579.8	169.9	315.6	92.5	66.0
	18906	62	16.7	564.0	165.3	564.0	165.3	47.4	540.4	158.4	540.4	158.4	53.1	516.3	151.3	516.3	151.3	58.8	492.9	144.5	492.9	144.5	63.9
	8923	67	19.4	617.3	180.9	462.9	135.7	48.9	592.5	173.7	453.6	132.9	54.7	567.4	166.3	444.1	130.2	60.4	543.5	159.3	435.2	127.6	65.2
	0.1	72	22.2	667.3	195.6	357.6	104.8	50.4	641.4	188.0	348.9	102.3	56.3	615.4	180.4	340.3	99.7	61.8	603	176.7	336.2	98.5	64.2
	13125	62	16.7	567.5	166.3	475.5	139.4	52.9	546.3	160.1	465.7	136.5	59.5	524.4	153.7	455.6	133.5	66.3	502	147.1	445.6	130.6	72.4
	6194	67	19.4	620.3	181.8	401.9	117.8	54.5	598.0	175.3	392.6	115.1	61.2	574.9	168.5	383.1	112.3	68.0	551.6	161.7	373.6	109.5	73.8
	0.07	72	22.2	670.5	196.5	324.7	95.2	56.0	647.0	189.6	315.9	92.6	62.9	622.9	182.6	306.9	89.9	69.5	598.7	175.5	298	87.4	75.1
	18750	62	16.7	614.6	180.1	585.4	171.6	54.3	590.6	173.1	575.1	168.6	61.0	565.9	165.9	564.7	165.5	67.7	540.9	158.5	540.9	158.5	73.5
62060-S	8849	67	19.4	673.7	197.5	483.9	141.8	56.1	648.3	190.0	474.1	139.0	62.9	622.2	182.4	464.3	136.1	69.5	596.2	174.7	454.5	133.2	75.0
	0.09	72	22.2	729.5	213.8	378.7	111.0	57.9	702.7	206.0	369.5	108.3	64.7	675.4	198.0	360.1	105.5	71.2	648.4	190.0	351.0	102.9	76.3
	20625	62	16.7	625.7	183.4	620.3	181.8	54.6	601.0	176.2	601.0	176.2	61.3	575.6	168.7	575.6	168.7	68.0	550	161.2	550	161.2	73.8
	9734	67	19.4	686.3	201.2	509.9	149.4	56.5	660.1	193.5	500.0	146.6	63.3	633.3	185.6	489.9	143.6	69.9	606.7	177.8	479.9	140.6	75.3
	0.1	72	22.2	743.5	217.9	395.3	115.9	58.3	715.9	209.8	386.1	113.2	65.2	687.8	201.6	376.7	110.4	71.6	660.1	193.5	367.5	107.7	76.5
	14000	62	16.7	644.1	188.8	529.0	155.1	60.7	619.7	181.6	517.5	151.7	68.3	594.4	174.2	505.7	148.2	75.8	568.7	166.7	493.8	144.7	82.4
	6607	67	19.4	704.5	206.5	449.6	131.8	62.6	678.4	198.8	438.4	128.5	70.3	651.5	191.0	427.1	125.2	77.8	624.8	183.1	416	121.9	84.1
	0.04	72	22.2	761.6	223.2	365.5	107.1	64.5	734.1	215.2	355.1	104.1	72.3	706.1	207.0	344.5	101.0	79.7	678.6	198.9	334.1	97.9	85.6
	18750	62	16.7	687.2	201.4	625.0	183.2	62.1	659.9	193.4	613.0	179.7	69.7	631.8	185.2	600.8	176.1	77.2	603.8	177	588.7	172.5	83.5
62066-S	8849	67	19.4	753.2	220.8	521.0	152.7	64.2	724.2	212.2	509.4	149.3	72.0	694.6	203.6	497.8	145.9	79.3	665.4	195	486.4	142.6	85.2
	0.05	72	22.2	815.5	239.0	412.4	120.9	66.4	785.2	230.1	401.7	117.7	74.1	754.8	221.2	391.1	114.6	81.2	724.9	212.5	380.7	111.6	86.8
	22000	62	16.7	708.0	207.5	688.2	201.7	62.7	679.4	199.1	676.0	198.1	70.4	649.9	190.5	649.9	190.5	77.8	620.7	181.9	620.7	181.9	84.0
	10383	67	19.4	776.9	227.7	567.5	166.3	65.1	746.4	218.8	555.9	162.9	72.8	715.6	209.7	544.3	159.5	80.0	685	200.8	532.8	156.2	85.7
	0.07	72	22.2	841.7	246.7	442.5	129.7	67.4	810.1	237.4	431.7	126.5	75.0	778.8	228.3	421.0	123.4	81.9	763.2	223.7	415.8	121.9	84.8
	17150	62	16.7	744.9	218.3	627.2	183.8	66.7	716.4	210.0	614.0	180.0	75.1	686.6	201.2	600.4	176.0	83.7	656.5	192.4	586.8	172.0	91.1
	8094	67	19.4	816.1	239.2	530.7	155.6	68.9	785.4	230.2	517.8	151.8	77.5	753.7	220.9	504.8	147.9	85.9	722.3	211.7	492	144.2	93.0
	0.04	72	22.2	883.4	258.9	429.0	125.7	71.1	851.1	249.5	416.8	122.2	79.7	818.6	239.9	404.6	118.6	87.9	786.6	230.6	393	115.2	94.8
	23000	62	16.7	793.0	232.4	744.7	218.3	68.2	761.1	223.1	730.9	214.2	76.6	728.1	213.4	716.7	210.1	85.0	695.2	203.8	695.2	203.8	92.2
62076-S	10855	67	19.4	870.7	255.2	617.8	181.1	70.7	836.6	245.2	604.6	177.2	79.2	802.1	235.1	591.2	173.3	87.4	768	225.1	578.3	169.5	94.3
	0.05	72	22.2	943.6	276.6	485.9	142.4	73.2	908.8	266.4	473.8	138.9	81.7	874.5	256.3	461.9	135.4	89.6	0.0	0.0	0.0	0.0	0.0
	26950	62	16.7	815.8	239.1	815.8	239.1	68.9	782.3	229.3	782.3	229.3	77.4	747.8	219.2	747.8	219.2	85.7	713.7	209.2	713.7	209.2	92.8
	12719	67	19.4	896.6	262.8	674.3	197.6	71.6	861.0	252.4	660.9	193.7	80.1	825.1	241.8	647.4	189.8	88.1	789.8	231.5	634.1	185.9	94.9
	0.07	72	22.2	972.4	285.0	521.9	153.0	74.3	936.7	274.5	509.9	149.5	82.7	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	19294	62	16.7	819.3	240.1	697.0	204.3	70.1	785.7	230.3	681.5	199.7	78.6	751.0	220.1	665.7	195.1	87.3	717.3	210.2	650.7	190.7	95.1
	9106	67	19.4	895.8	262.6	587.7	172.3	72.2	860.6	252.2	573.1	168.0	80.9	824.6	241.7	558.3	163.6	89.6	790.1	231.6	544.3	159.5	97.0
	0.04	72	22.2	967.9	283.7	472.8	138.6	74.3	931.0	272.9	458.9	134.5	83.1	893.8	262.0	445.3	130.5	91.6	858.6	251.7	432.6	126.8	98.6
	25600	62	16.7	867.9	254.4	822.6	241.1	71.4	831.3	243.7	806.9	236.5	80.0	793.8	232.7	790.9	231.8	88.6	757.7	222.1	757.7	222.1	96.2
63085-S	12082	67	19.4	950.7	278.7	680.7	199.5	73.8	912.2	267.4	665.7	195.1	82.5	873.0	255.9	650.7	190.7	91.0	835.7	245	636.7	186.6	98.1
	0.05	72	22.2	1028.4	301.4	533.3	156.3	76.2	988.0	289.6	519.2	152.2	85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30319	62	16.7	893.4	261.9	893.4	261.9	72.2	855.2	250.7	855.2	250.7	80.7	816.1	239.2	816.1	239.2	89.3	778.8	228.3	778.8	228.3	96.7
	14309	67	19.4	979.6	287.1	747.7	219.1	74.7	938.9	275.2	732.3	214.6	83.4	897.9	263.2	716.9	210.1	91.8	859.4	251.9	702.7	206.0	98.6
	0.07	72	22.2	1060.2	310.7	575.8	168.8	77.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
	19294	62	16.7	872.4	255.7	721.9	211.6	81.7	838.9	245.9	706.1	207.0	91.8	804.3	235.8	690.0	202.2	101.8	769.4	225.5	674.1	197.6	110.5
	9106	67	19.4	954.3	279.7	612.5	179.5	84.4	919.0	269.3	597.4	175.1	94.6	882.6	258.7	582.2	170.6	104.5	846.3	248	567.2	166.2	112.7
	0.04	72	22.2	1032.0	302.5	497.0	145.7	87.0	994.7	291.6	482.9	141.6	97.3	956.7	280.4	468.6	137.4	107.0	919.1	269.4	454.6	133.2	114.5
	25600	62	16.7	928.1	272.0	849.0	248.8	83.5	891.2	261.2	832.8	244.1	93.6	853.2	250.1	816.3	239.3	103.5	815.2	238.9	800	234.5	111.8
63090-S	12082	67	19.4	1017.5	298.2	707.1	207.2	86.5	978.3	286.7	691.5	202.7	96.7	938.4	275.0	675.9	198.1	106.4	898.9	263.5	660.5	193.6	114.1
	0.05	72	22.2	1101.8	322.9	559.0	163.9	89.4	1060.5	310.8	544.5	159.6	99.6	1018.7	298.6	529.9	155.3	108.9	977.8	286.6	515.7	151.2	115.8
	30319	62	16.7	957.6	280.7	940.5	275.7	84.5	918.7	269.3	918.7	269.3	94.6	879.0	257.6	879.0	257.6	104.4	839.3	246	839.3	246.0	112.5
	14309	67	19.4	1051.0	308.0	774.6	227.0	87.6	1009.7	296.0	759.0	222.5	97.8	967.7	283.6	743.2	217.8	107.3	926.1	271.4	727.5	213.2	114.7
	0.07	72	22.2	1138.8	333.8	602.6	176.6	90.7	1095.3	321.0	587.6	172.2	100.8	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0

Table 7 continued

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

GROSS CAPACITY RATINGS - 60 Hz

Model PACV	AFR cfm l/s (BPF)	EWB °F	EWB °C	Condenser Entering Air Temperature																				
				95°F (35°C)					105°F (40.6°C)					115°F (46.1°C)					125°F (51.7°C)				
				Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*	Total Capacity		Sensible Capacity		PI*
				MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW
63095-S	21437	62	16.7	907.1	265.9	772.9	226.5	82.8	871.5	255.4	756.5	221.7	92.9	834.9	244.7	739.9	216.9	102.8	798	233.9	723.4	212.0	111.3
	10117	67	19.4	993.7	291.2	652.3	191.2	85.7	956.0	280.2	636.7	186.6	95.9	917.4	268.9	620.8	182.0	105.7	879.1	257.7	605.3	177.4	113.6
	0.04	72	22.2	1075.4	315.2	525.4	154.0	88.4	1035.7	303.6	510.4	149.6	98.7	995.4	291.7	495.6	145.3	108.2	955.7	280.1	481.3	141.1	115.4
	28400	62	16.7	961.7	281.9	912.1	267.4	84.6	922.6	270.4	895.3	262.4	94.7	882.6	258.7	878.3	257.4	104.5	842.7	247	842.7	247.0	112.6
	13403	67	19.4	1055.7	309.4	755.5	221.4	87.8	1014.2	297.3	739.4	216.7	98.0	971.8	284.8	723.1	212.0	107.4	929.9	272.6	707.4	207.3	114.8
	0.05	72	22.2	1144.1	335.3	592.7	173.7	90.8	1100.3	322.5	577.5	169.3	101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	33687	62	16.7	990.9	290.4	990.9	290.4	85.6	949.8	278.4	949.8	278.4	95.7	908.0	266.1	908.0	266.1	105.3	866.5	254	866.5	254.0	113.2
	15898	67	19.4	1088.8	319.1	830.9	243.5	88.9	1044.8	306.2	814.3	238.7	99.1	1000.3	293.2	797.5	233.8	108.3	956.8	280.4	781.5	229.0	115.4
	0.07	72	22.2	1180.8	346.1	640.7	187.8	92.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
63100-S	22312	62	16.7	979.4	287.1	820.9	240.6	85.2	942.4	276.2	803.7	235.6	95.9	903.9	264.9	785.9	230.4	107.0	864.6	253.4	768.1	225.1	117.0
	10530	67	19.4	1073.2	314.6	695.3	203.8	87.8	1033.8	303.0	678.7	198.9	98.7	992.9	291.0	661.8	194.0	109.8	951.9	279	644.9	189.0	119.5
	0.04	72	22.2	1162.0	340.6	562.9	165.0	90.4	1120.4	328.4	547.2	160.4	101.5	1077.8	315.9	531.2	155.7	112.4	1035.4	303.5	515.6	151.1	121.6
	30000	62	16.7	1043.9	306.0	975.5	285.9	87.0	1002.8	293.9	957.6	280.7	97.8	960.2	281.4	939.3	275.3	108.8	917.2	268.8	917.2	268.8	118.5
	14158	67	19.4	1146.5	336.0	810.2	237.5	89.9	1102.7	323.2	793.0	232.4	100.9	1057.8	310.0	775.5	227.3	111.8	1012.7	296.8	758.5	222.3	121.1
	0.06	72	22.2	1243.1	364.4	638.1	187.0	92.9	1197.3	350.9	622.1	182.3	103.9	1150.9	337.3	606.0	177.6	114.5	1127.9	330.6	598.1	175.3	119.2
	35062	62	16.7	1073.9	314.8	1073.6	314.7	87.8	1030.8	302.1	1030.8	302.1	98.7	986.2	289.1	986.2	289.1	109.6	941.6	276	941.6	276.0	119.2
	16547	67	19.4	1180.7	346.1	882.7	258.7	90.9	1134.8	332.6	865.4	253.6	101.9	1087.5	318.8	847.6	248.4	112.7	1040.7	305	829.9	243.3	121.8
	0.07	72	22.2	1281.0	375.4	684.5	200.6	94.1	1233.2	361.4	668.3	195.9	105.1	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
63105-S	23625	62	16.7	1038.8	304.5	870.0	255.0	93.3	999.3	292.9	851.6	249.6	105.1	958.0	280.8	832.6	244.0	117.0	916.2	268.5	813.6	238.5	127.4
	11150	67	19.4	1137.8	333.5	736.8	216.0	96.3	1095.4	321.1	719.0	210.7	108.3	1051.6	308.2	700.8	205.4	120.1	1007.9	295.4	682.9	200.2	130.1
	0.04	72	22.2	1231.5	360.9	596.4	174.8	99.3	1186.7	347.8	579.6	169.9	111.4	1141.4	334.5	562.5	164.9	122.9	1096.6	321.4	546.1	160.1	132.5
	31500	62	16.7	1105.3	324.0	1028.5	301.4	95.3	1061.2	311.0	1009.2	295.8	107.1	1015.6	297.7	989.6	290.1	118.9	970	284.3	970	284.3	129.0
	14866	67	19.4	1213.2	355.6	854.5	250.5	98.7	1166.1	341.8	836.0	245.0	110.7	1118.3	327.8	817.4	239.6	122.2	1070.7	313.8	799.3	234.3	131.8
	0.05	72	22.2	1314.7	385.3	673.4	197.4	102.2	1266.0	371.1	656.4	192.4	114.1	1217.5	356.8	639.5	187.4	125.2	1193.5	349.8	631.2	185.0	130.1
	37125	62	16.7	1138.7	333.8	1137.5	333.4	96.3	1092.3	320.2	1092.3	320.2	108.2	1044.5	306.2	1044.5	306.2	119.8	997.1	292.3	997.1	292.3	129.8
	17521	67	19.4	1251.2	366.7	935.0	274.0	100.0	1202.0	352.3	916.4	268.6	111.9	1151.7	337.6	897.5	263.1	123.2	1102.3	323.1	878.9	257.6	132.6
	0.07	72	22.2	1356.8	397.7	724.9	212.5	103.7	1306.4	382.9	707.8	207.5	115.4	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
63110-S	25156	62	16.7	1082.3	317.2	915.3	268.3	97.9	1040.5	305.0	895.9	262.6	110.2	997.0	292.2	876.1	256.8	122.5	953.1	279.3	856.3	251.0	133.0
	11872	67	19.4	1185.8	347.5	773.7	226.8	101.2	1140.8	334.4	754.9	221.3	113.7	1094.6	320.8	735.9	215.7	125.7	1049	307.5	717.3	210.2	135.8
	0.04	72	22.2	1283.4	376.2	624.6	183.1	104.5	1236.2	362.3	606.8	177.9	117.0	1188.8	348.4	589.2	172.7	128.7	1142.2	334.8	572.2	167.7	138.4
	33500	62	16.7	1149.9	337.0	1082.6	317.3	100.1	1103.3	323.4	1062.5	311.4	112.4	1055.3	309.3	1041.8	305.4	124.4	1007.6	295.3	1007.6	295.3	134.6
	15810	67	19.4	1262.4	370.0	897.7	263.1	103.8	1212.8	355.5	878.4	257.5	116.2	1162.5	340.7	859.0	251.8	127.9	1112.9	326.2	840.4	246.3	137.6
	0.05	72	22.2	1368.1	401.0	705.6	206.8	107.6	1317.3	386.1	687.9	201.6	119.8	1267.2	371.4	670.6	196.5	131.1	0.0	0.0	0.0	0.0	0.0
	39531	62	16.7	1184.3	347.1	1184.3	347.1	101.2	1135.2	332.7	1135.2	332.7	113.5	1085.0	318.0	1085.0	318.0	125.4	1035.5	303.5	1035.5	303.5	135.4
	18657	67	19.4	1301.4	381.4	984.0	288.4	105.2	1249.4	366.2	964.3	282.6	117.5	1197.0	350.8	944.6	276.9	129.0	1145.7	335.8	925.4	271.2	138.5
	0.07	72	22.2	1411.4	413.7	760.5	222.9	109.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0
64120-S	25812	62	16.7	1170.8	343.2	967.5	283.6	107.1	1126.3	330.1	946.5	277.4	120.5	1080.3	316.6	925.1	271.1	133.9	1033.5	302.9	903.7	264.9	145.9
	12182	67	19.4	1281.1	375.5	821.3	240.7	110.5	1234.1	361.7	801.3	234.8	124.1	1185.7	347.5	780.9	228.9	137.5	1136.9	333.2	760.8	223.0	148.9
	0.04	72	22.2	1385.8	406.2	666.8	195.4	113.8	1336.3	391.7	648.2	190.0	127.6	1285.5	376.8	629.0	184.4	140.7	1234.9	362	610.1	178.8	151.4
	33500	62	16.7	1240.5	363.6	1123.0	329.2	109.3	1191.8	349.3	1101.5	322.8	122.7	1141.6	334.6	1079.5	316.4	136.0	1090.9	319.8	1057.7	310.0	147.6
	15810	67	19.4	1360.2	398.7	937.1	274.7	113.0	1308.5	383.5	916.5	268.6	126.6	1255.6	368.0	895.5	262.5	139.8	1202.8	352.5	875	256.5	150.6
	0.05	72	22.2	1473.2	431.8	742.9	217.7	116.6	1418.7	415.8	723.6	212.1	130.3	1363.2	399.6	704.2	206.4	143.1	1308.5	383.5	685.0	200.8	153.1
	40562	62	16.7	1285.9	376.9	1260.4	369.4	110.7	1234.3	361.8	1234.3	361.8	124.1	1181.2	346.2	1181.2	346.2	137.3	1128.1	330.6	1128.1	330.6	148.6
	19143	67	19.4	1411.8	413.8	1038.4	304.4	114.6	1357.0	397.7	1017.8	298.3	128.3	1300.9	381.3	996.6	292.1	141.2	1244.9	364.9	975.5	285.9	151.6
	0.07	72	22.2	1530.4	448.6	808.5	237.0	118.5	1472.4	431.6	788.6	231.1	132.2	1413.9	414.4	768.8	225.3	144.6	0	0	0	0.0	0.0
64130-S	26687	62	16.7	1258.2	368.8	1023.1	299.9	113.4	1212.0	355.2	1001.0	293.4	127.7	1163.8	341.1	978.3	286.7	142.7	1114.4	326.6	955.3	280.0	156.4
	12595	67	19.4	1376.5	403.5	871.6	255.5	116.6	1327.4	389.1	850.4	249.2	131.3	1276.2	374.0	828.5	242.8	146.3	1224.3	358.8	806.7	236.4	159.5
	0.04	72	22.2	1488.9	436.4	711.2	208.4	119.8	1436.9	421.2	691.0	202.5	134.8	1383.2	405.4	670.7	196.6	149.6	1329.4	389.6	650.5	190.7	162.4
	35000	62	16.7	1339.0	392.5	1192.3	349.5	115.6	1287.8	377.5	1169.4	342.8	130.1	1234.5	361.8	1145.9	335.9	144.9	1180.4	346	1122.3	328.9	158.3
	16518	67	19.4	1468.1	430.3	997.9	292.5	119.2	1413.5	414.3	975.8	286.0	134.0	1357.0	397.7	953.3	279.4	148.8	1300.5	381.2	931	272.9	161.6
	0.05	72	22.2	1590.1	466.1	794.2	232.8	122.8	1532.6	449.2	773.7	226.8	137.8	1473.9	432.0	752.9	220.7	152.4	1415.7	415.0	732.6	214.7	164.6
	41937	62	16.7	1387.0	406.5	1327.8	389.2	116.9	1332.7	390.6	1304.5	382.3	131.5	1276.3	374.1	1276.3	374.1	146.3	1219.5	357.4	1219.5	357.4	159.4
	19792	67	19.4	1522.6	446.3	1098.0	321.8	120.8	1464.7	429.3	1075.5	315.2	135.6	1405.2	411.9	1053.1	308.7	150.3	1345.8	394.5	1030.7	302.1	162.8
	0.07	72	22.2	1650.4	483.7	859.5	251.9	124.7	1589.7	465.9	838.5	245.8	139.7	1528.4	448.0	817.4	239.6	153.9	1467.7	430.2	796.8	233.6	165.8
64136-S	28000	62	16.7	1317.8	386.2	1072.3	314.3	121.4	1269.2	372.0	1049.1	307.5	136.8	1218.4	357.1	1025.1	300.5	152.6	1166.4	341.9	1001	293.4	166.8
	13215	67	19.4	1441.4	422.5	913.3	267.7	125.0	1389.4	407.2	890.8	261.1	140.7	1335.2	391.3	867.7	254.3	156.5	1280.7	375.4	844.8	247.6	170.1
	0.04	72	22.2	1558.8	456.9	744.8	218.3	128.6	1503.6	440.7	723.5	212.0	144.6	1446.8	424.1	702.1	205.8	160.1	1390.5	407.6	680.9	199.6	173.2
	37000	62	16.7	1404.3	411.6	1255.2	367.9	123.9	1350.1	395.7	1231.0	360.8	139.4	1293.6	379.2	1206.2	353.5	155.1	1236.6	362.5	1181.4	346.3	168.9
	17462	67	19.4	1539.4	451.2	1049.7	307.7	128.0	1481.2	434.2	1026.3	300.8	143.8	1421.4	416.6	1002.5	293.8	159.3	1362.1	399.2	979.2	287.0	172.4
	0.05	72	22.2	1666.8	488.6	834.4	244.6	132.1	1605.9	470.7	812.8	238.2	148.0	1544.3	452.6	791.0	231.9	163.1	1483.6	434.8	769.8	225.6	175.6
	44000	62	16.7	1452.1	425.6	1391.8	407.9	125.3	1394.6	408.7	1367.1	400.7	140.9	1335.0	391.3	1335.0	391.3	156.5	1275.3	373.8	1275.3	373.8	170.0
	20766	67	19.4	1593.6	467.1	1150.5	337.2	129.7	1532.1	449.1	1126.7	330.2	145.5	1469.4	430.7	1103.1	323.3	160.8	1407.3	412.5	1079.7	316.4	173.6
	0.07	72	22.2	1726.7	506.1	900.1	263.8	134.1	1662.9	487.4	878.0	257.4	149.9	1599.0	468.7	856.0	250.9	164.7	1536	450.2	834.8	244.7	177.0
64145-S	29750	62	16.7	1402.1	410.9	1140.3	334.2	133.8	1350.0	395.7	1115.4	326.9	150.7	1295.5	379.7	1089.7	319.4	167.7	1240	363.4	1063.9	311.8	182.4
	14040	67	19.4	1533.0	449.3	971.0	284.6	137.9	1476.8	432.8	946.7	277.5	155.2	1418.4	415.7	921.8	270.2	172.0	1360.3	398.7	897.4	263.0	186.0
	0.04	72	22.2	1656.9	485.6	791.7	232.0	142.1	1597.2	468.1	768.5	225.3	159.5	1536.3	450.3	745.6	218.5	176.0	1476.6	432.8	723.1	211.9	189.4
	40000	62	16.7	1499.1	439.4	1348.0	395.1	136.8	1440.3	422.2	1321.9	387.5	153.9	1379.3	404.3	1295.2	379.6	170.7	1318.2	386.4	1268.7	371.9	184.8
	18878	67	19.4	1642.5	481.4	1125.7	330.0	141.6	1579.2	462.9	1100.4	322.5	158.9	1514.7	444.0	1074.7	315.0	175.3	1451.5	425.4	1050	307.8	188.7
	0.06	72	22.2	1777.8	521.1	893.3	261.8	146.5	1711.9	501.8	869.9	255.0	163.6	1646.2	482.5	846.9	248.2	179.5	1581.8	463.6	824.4	241.6	192.4
	46750	62	16.7	1544.4	452.7	1479.4	433.6	138.3	1482.3	434.5	1452.7	425.8	155.4	1418.2	415.7	1418.2	415.7	172.0	1354.6	397	1354.6	397.0	185.9
	22064	67	19.4	1693.8	496.4	1222.6	358.3	143.4	1627.4	477.0	1196.9	350.8	160.6	1560.2	457.3	1171.6	343.4	176.8	1494.4	438	1146.8	336.1	189.9
	0.07	72	22.2	1834.5	537.7	956.3	280.3	148.6	1766.3	517.7	932.7	273.4	165.5	1698.9	498.0	909.5	266.6	181.1	1632.4	478.4	887	260.0	193.9

Table 7 ends

Notes :

1. Capacity ratings are based on 80ºF (26.7ºC) entering air dry bulb temperature.
2. Capacity is gross capacity which does not include the effect of evaporator fan motor heat.
3. Direct interpolation is permissible. Do not extrapolate.
4. Shaded area in grey are at 120ºF (49ºC) entering air temperature.

* Power input mentioned in this page should not be used for cable or fuse selection. MCA and MFA values given in the electrical data pages (24 - 26) should be referred for the same.

FAN PERFORMANCE - 50Hz

MODEL PACV	Air Flow Rate		Internal Static Pressure		External Static Pressure in.wg (Pa)																	
					0.2 (50)		0.4 (100)		0.6 (149)		0.8 (199)		1.0 (249)		1.2 (299)		1.4 (349)		1.6 (399)		1.8 (448)		2.0 (498)	
	cfm	l/s	in.wg	Pa	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
51008-S	2333	1101	0.47	117.66	649	0.35	739	0.43	824	0.51	905	0.6	981	0.69	1053	0.79	1120	0.89	1185	0.99	1246	1.1	1304	1.2
	3000	1416	0.81	202.04	799	0.7	870	0.79	939	0.89	1007	1	1072	1.1	1135	1.22	1196	1.33	1254	1.45	1311	1.57	1366	1.7
	3667	1730	1.25	310.42	958	1.23	1016	1.35	1074	1.46	1131	1.58	1186	1.71	1241	1.84	1295	1.97	1347	2.11	1398	2.24	1448	2.38
51010-S	3208	1514	0.47	117.67	546	0.46	619	0.56	689	0.67	755	0.79	818	0.92	877	1.04	933	1.18	986	1.32	1037	1.46	1085	1.6
	4000	1888	0.76	188.93	655	0.83	715	0.96	773	1.09	829	1.22	884	1.36	936	1.51	987	1.67	1036	1.82	1083	1.98	1129	2.15
	5042	2379	1.25	310.4	807	1.61	855	1.76	902	1.91	949	2.07	994	2.24	1039	2.41	1082	2.59	1125	2.77	1167	2.96	-	-
51014-S	4375	2065	0.43	107.06	659	0.65	758	0.81	851	0.98	939	1.16	1020	1.36	1097	1.55	1169	1.76	1237	1.97	1302	2.19	1364	2.42
	6000	2831	0.86	213.89	857	1.54	931	1.75	1003	1.96	1074	2.19	1141	2.42	1207	2.67	1270	2.92	1332	3.17	-	-	-	-
	6875	3244	1.15	286.82	969	2.27	1034	2.5	1098	2.74	1161	2.99	1222	3.25	-	-	-	-	-	-	-	-	-	-
52015-S	4375	2065	0.43	107.06	659	0.65	758	0.81	851	0.98	939	1.16	1020	1.36	1097	1.55	1169	1.76	1237	1.97	1302	2.19	1364	2.42
	6000	2831	0.86	213.89	857	1.54	931	1.75	1003	1.96	1074	2.19	1141	2.42	1207	2.67	1270	2.92	1332	3.17	-	-	-	-
	6875	3244	1.15	286.82	969	2.27	1034	2.5	1098	2.74	1161	2.99	1222	3.25	-	-	-	-	-	-	-	-	-	-
51017-S	4769	2250	0.43	107.07	663	0.75	756	0.91	845	1.09	930	1.28	1011	1.47	1087	1.68	1159	1.89	1227	2.11	1292	2.34	1354	2.57
	6600	3115	0.88	218.22	872	1.83	941	2.04	1008	2.27	1075	2.5	1139	2.75	1202	3	1264	3.26	-	-	-	-	-	-
	7494	3536	1.15	286.84	979	2.63	1040	2.87	1100	3.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52017-S	4769	2250	0.43	107.07	663	0.75	756	0.91	845	1.09	930	1.28	1011	1.47	1087	1.68	1159	1.89	1227	2.11	1292	2.34	1354	2.57
	6600	3115	0.88	218.22	872	1.83	941	2.04	1008	2.27	1075	2.5	1139	2.75	1202	3	1264	3.26	-	-	-	-	-	-
	7494	3536	1.15	286.84	979	2.63	1040	2.87	1100	3.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52020-S	5250	2477	0.43	107.06	553	0.71	640	0.91	719	1.13	793	1.36	861	1.6	925	1.85	985	2.1	1041	2.38	1094	2.65	1142	2.92
	7500	3539	0.94	233.85	743	1.85	807	2.12	868	2.4	927	2.7	984	3	1038	3.3	1090	3.66	1141	4	1189	4.3	-	-
	8250	3893	1.15	286.82	810	2.42	868	2.71	924	3.02	979	3.3	1032	3.7	1083	4	1133	4.4	1180	4.7	-	-	-	-
52023-S	6300	2973	0.43	107.06	556	0.91	634	1.13	709	1.36	780	1.61	846	1.87	909	2.14	969	2.4	1026	2.7	1080	3	1131	3.3
	8800	4153	0.89	222.67	738	2.29	795	2.57	851	2.86	906	3.17	959	3.5	1012	3.8	1062	4.17	1112	4.5	1159	4.9	-	-
	9900	4672	1.15	286.82	821	3.2	873	3.51	923	3.84	973	4.18	1022	4.5	1070	4.89	1116	5.26	1162	5.65	-	-	-	-
52026-S	7292	3441	0.43	107.07	568	1.17	639	1.4	707	1.64	773	1.9	836	2.17	897	2.46	956	2.77	1012	3.1	1065	3.4	1117	3.7
	10416	4915	0.94	233.81	775	3.18	825	3.48	875	3.8	923	4.13	972	4.47	1019	4.8	1066	5.2	1112	5.57	1156	5.96	-	-
	11458	5407	1.15	286.81	847	4.19	892	4.52	937	4.86	982	5.2	1026	5.57	1070	5.95	1113	6.34	1155	6.74	1197	7.16	-	-
52030-S	8750	4129	0.43	107.06	599	1.68	659	1.92	718	2.18	776	2.45	833	2.74	889	3.05	943	3.37	996	3.7	1048	4	1097	4.4
	11500	5427	0.78	194.76	762	3.65	808	3.96	854	4.27	900	4.6	945	4.94	989	5.3	1033	5.66	1076	6	1119	6.4	1161	6.8
	13750	6489	1.15	286.82	901	6.14	940	6.5	979	6.87	1017	7.2	1055	7.6	1093	8	1130	8.5	1168	8.87	-	-	-	-
52032-S	8750	4129	0.43	107.06	599	1.68	659	1.92	718	2.18	776	2.45	833	2.74	889	3.05	943	3.37	996	3.7	1048	4	1097	4.4
	11500	5427	0.78	194.76	762	3.65	808	3.96	854	4.27	900	4.6	945	4.94	989	5.3	1033	5.66	1076	6	1119	6.4	1161	6.8
	13750	6489	1.15	286.82	901	6.14	940	6.5	979	6.87	1017	7.2	1055	7.6	1093	8	1130	8.5	1168	8.87	-	-	-	-
52038-S	10208	4817	0.43	107.05	478	1.64	538	1.96	594	2.3	648	2.66	700	3.03	749	3.42	796	3.81	841	4.22	884	4.65	926	5.08
	14580	6880	0.94	233.73	650	4.43	694	4.87	736	5.33	777	5.81	817	6.29	856	6.79	894	7.29	931	7.81	968	8.33	-	-
	16042	7570	1.15	286.84	710	5.83	750	6.32	789	6.82	827	7.33	864	7.86	900	8.39	935	8.93	970	9.49	-	-	-	-
52045-S	12031	5677	0.43	107.06	497	2.23	551	2.59	603	2.97	652	3.36	700	3.76	746	4.18	791	4.61	834	5.05	875	5.51	916	5.97
	17000	8022	0.92	228.33	675	5.93	714	6.42	753	6.93	790	7.45	827	7.98	863	8.52	898	9.07	932	9.63	966	10.2	1000	10.78
	18906	8922	1.15	286.82	746	8.07	781	8.62	816	9.18	850	9.75	883	10.33	916	10.91	949	11.51	981	12.12	-	-	-	-
52050-S	13125	6194	0.43	107.06	512	2.66	563	3.05	611	3.45	659	3.86	704	4.28	748	4.72	791	5.17	833	5.64	873	6.11	912	6.59
	18750	8848	0.94	233.85	705	7.36	741	7.9	777	8.44	812	9	846	9.56	880	10.14	913	10.72	946	11.32	978	11.92	-	-
	20625	9733	1.15	286.82	771	9.72	804	10.31	837	10.9	869	11.5	900	12.12	932	12.74	-	-	-	-	-	-	-	-
52055-S	14000	6607	0.6	148.59	566	3.39	612	3.81	658	4.24	702	4.68	745	5.13	786	5.59	827	6.07	866	6.56	905	7.06	942	7.56
	18750	8848	1.02	255.22	721	7.59	757	8.13	792	8.68	827	9.24	861	9.81	894	10.39	927	10.98	959	11.58	991	12.18	-	-
	22000	10382	1.37	340.91	828	11.89	858	12.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52065-S	17150	8093	0.64	159.22	344	3.5	375	4.01	405	4.55	434	5.12	462	5.72	489	6.35	515	7	541	7.68	566	8.37	590	9.09
	23000	10854	1.1	273.66	437	7.73	460	8.38	484	9.05	506	9.75	529	10.47	551	11.22	572	11.98	593	12.77	614	13.58	635	14.41
	26950	12718	1.46	364.45	500	11.99	520	12.73	540	13.49	560	14.28	579	15.09	599	15.91	-	-	-	-	-	-	-	-
53070-S	19294	9105	0.64	159.23	294	3.6	323	4.2	351	4.82	377	5.48	402	6.16	427	6.87	450	7.6	473	8.36	495	9.15	516	9.95
	25600	12081	1.08	268.33	367	7.65	389	8.4	412	9.18	433	9.98	454	10.81	475	11.66	495	12.53	514	13.42	533	14.33	552	15.26
	30319	14308	1.46	364.45	421	12.14	441	13.01	460	13.91	479	14.82	498	15.76	516	16.72	534	17.7	551	18.69	-	-	-	-
53075-S	19294	9105	0.64	159.23	294	3.6	323	4.2	351	4.82	377	5.48	402	6.16	427	6.87	450	7.6	473	8.36	495	9.15	516	9.95
	25600	12081	1.08	268.33	367	7.65	389	8.4	412	9.18	433	9.98	454	10.81	475	11.66	495	12.53	514	13.42	533	14.33	552	15.26
	30319	14308	1.46	364.45	421	12.14	441	13.01	460	13.91	479	14.82	498	15.76	516	16.72	534	17.7	551	18.69	-	-	-	-
53080-S	21437	10116	0.64	159.22	299	4.32	327	4.95	353	5.61	378	6.29	403	7.01	426	7.74	449	8.51	471	9.29	492	10.1	513	10.93
	28400	13402	1.07	267.56	375	9.24	396	10.04	417	10.86	438	11.71	458	12.57	477	13.46	496	14.37	515	15.3	533	16.25	551	17.22
	33687	15897	1.46	364.44	432	14.8	451	15.74	469	16.69	487	17.66	504	18.65	-	-	-	-	-	-	-	-	-	-
53085-S	22312	10529	0.64	159.22	259	3.92	288	4.7	316	5.53	342	6.42	366	7.35	390	8.31	412	9.3	434	10.33	454	11.37	474	12.44
	30000	14157	1.1	274.95	325	8.46	347	9.43	369	10.46	390	11.53	411	12.64	431	13.79	450	14.98	469	16.2	487	17.45	505	18.73
	35062	16546	1.46	364.44	368	12.86	388	13.96	407	15.1	425	16.29	443	17.52	461	18.79	479	20.1	496	21.44	513	22.81	529	24.2
53090-S	23625	11149	0.64	159.22	260	4.26	288	5.04	315	5.89	340	6.8	365	7.74	388	8.73	410	9.74	432	10.79	452	11.87	472	12.96
	31500	14865	1.09	270.75	325	9.06	346	10.04	368	11.07	388	12.15	408	13.27	428	14.44	447	15.64	466	16.88	484	18.14	502	19.44
	37125	17519	1.46	364.45	371	14.14	390	15.25	408	16.41	426	17.61	444	18.86	461	20.15	478	21.47	495	22.83	511	24.23	528	25.65
53095-S	25156	11871	0.64	159.22	262	4.69	289	5.49	315	6.36	339	7.27	363	8.24	386	9.24	408	10.28	429	11.36	450	12.46	469	13.59
	33500	15809	1.08	270.13	328	10.06	349	11.05	369	12.09	389	13.18	408	14.32	427	15.5	446	16.72	464	17.98	482	19.27	499	20.6
	39531	18655	1.46	364.44	376	15.81	394	16.94	411	18.11	428	19.33	445	20.6	462	21.9	478	23.24	495	24.62	511	26.04	-	-
54100-S	25812	12181	0.64	159.22	263	4.9	289	5.7	315	6.57	339	7.49	363	8.46	386	9.48	407	10.53	428	11.61	449	12.73	468	13.87
	33500	15809	1.03	257.6	323	9.82	343	10.79	364	11.82	384	12.9	403	14.03	422	15.2	441	16.41	459	17.66	477	18.95	495	20.26
	40562	19141	1.46	364.44	378	16.59	395	17.72	412	18.9	429	20.13	446	21.4	462	22.71	479	24.06	495	25.45	-	-	-	-
54110-S	26687	12594	0.64	159.22	264	5.18	290	5.99	315	6.87	339	7.8	362	8.78	385	9.8	406	10.86	427	11.96	448	13.09	467	14.25
	35000	16517	1.05	262.63	328	10.74	348	11.73	367	12.77	387	13.87	406	15.01	424	16.2	443	17.43	461	18.7	478	20	495	21.34
	41937	19790	1.46	364.44	382	17.68	398	18.82	415	20.01	431	21.25	447	22.53	463	23.85	479	25.21	-	-	-	-	-	-
54115-S	28000	13213	0.64	159.22	267	5.65	292	6.47	316	7.35	339	8.29	362	9.28	384	10.32	405	11.4	426	12.51	446	13.66	465	14.84
	37000	17460	1.07	266.31	334	12.02	353	13.03	372	14.09	390	15.2	409	16.36	427	17.57	444	18.81	462	20.1	479	21.43	496	22.79
	44000	20764	1.46	364.45	387	19.44	403	20.6	419	21.81	435	23.06	450	24.35	466	25.69	-	-	-	-	-	-	-	-
54125-S	29750	14039	0.64	159.22	271	6.33	294	7.16	317	8.05	340	9.01	362	10.01	383	11.06	404	12.16	424	13.3	444	14.47	463	15.68
	40000	18876	1.1	274.95	346	14.25	363	15.29	381	16.39	398	17.53	415	18.71	432	19.94	449	21.22	465	22.53	482	23.89	498	25.28
	46750	22061	1.46	364.45	395	22.04	410	23.23	425	24.46	440	25.73	-	-	-	-	-	-	-	-	-	-	-	-

Table 8

Notes :

1. Areas shaded in grey indicate the operating range of a standard fan motor; out of this range shift to next larger motor size.
2. Internal static pressure is based on pressure drops through evaporator coil, fan casing and 2" washable flat filters.
3. For external static pressure more than 2.0 in.wg. (498 Pa) and for the data corresponding to the blank boxes, please consult SKM.

FAN PERFORMANCE - 60Hz

MODEL PACV	Air Flow Rate		Internal Static Pressure		External Static Pressure in.wg (Pa)																			
					0.2 (50)		0.4 (100)		0.6 (149)		0.8 (199)		1.0 (249)		1.2 (299)		1.4 (349)		1.6 (399)		1.8 (448)		2.0 (498)	
	cfm	l/s	in.wg	Pa	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW	RPM	kW
61009-S	2333	1101	0.54	133.62	678	0.38	767	0.46	850	0.54	930	0.63	1004	0.72	1075	0.82	1141	0.92	1205	1.02	1265	1.13	1323	1.24
	3000	1416	0.92	229.74	839	0.75	909	0.85	977	0.95	1043	1.06	1107	1.17	1169	1.28	1229	1.4	1286	1.52	1342	1.64	1395	1.77
	3667	1730	1.42	353.97	1009	1.33	1067	1.45	1124	1.57	1179	1.69	1234	1.82	1288	1.95	1340	2.09	1391	2.23	1441	2.37	1490	2.51
61012-S	3208	1514	0.54	133.63	570	0.49	642	0.6	711	0.71	775	0.83	837	0.96	895	1.09	950	1.22	1002	1.36	1052	1.5	1100	1.65
	4000	1888	0.86	214.78	686	0.9	745	1.02	802	1.16	858	1.3	911	1.44	963	1.59	1013	1.75	1061	1.91	1107	2.07	1152	2.24
	5042	2379	1.42	353.95	849	1.74	896	1.89	943	2.05	989	2.22	1033	2.39	1077	2.57	1120	2.75	1162	2.94	1200	3.13	-	-
61018-S	4375	2065	0.49	123.02	691	0.7	788	0.87	880	1.04	965	1.22	1045	1.42	1121	1.62	1191	1.83	1258	2.04	1322	2.26	1383	2.49
	6000	2831	0.99	245.93	905	1.67	978	1.89	1049	2.11	1117	2.34	1184	2.58	1248	2.83	1310	3.08	1370	3.34	-	-	-	-
	6875	3244	1.33	330.36	1026	2.47	1090	2.71	1153	2.96	1215	3.22	-	-	-	-	-	-	-	-	-	-	-	-
62018-S	4375	2065	0.49	123.02	691	0.7	788	0.87	880	1.04	965	1.22	1045	1.42	1121	1.62	1191	1.83	1258	2.04	1322	2.26	1383	2.49
	6000	2831	0.99	245.93	905	1.67	978	1.89	1049	2.11	1117	2.34	1184	2.58	1248	2.83	1310	3.08	1370	3.34	-	-	-	-
	6875	3244	1.33	330.36	1026	2.47	1090	2.71	1153	2.96	1215	3.22	-	-	-	-	-	-	-	-	-	-	-	-
61020-S	4769	2250	0.49	123.04	693	0.8	785	0.97	873	1.15	957	1.34	1036	1.54	1110	1.75	1181	1.96	1248	2.18	1312	2.41	1374	2.65
	6600	3115	1.01	250.92	917	1.97	985	2.19	1052	2.42	1117	2.66	1181	2.91	1243	3.17	-	-	-	-	-	-	-	-
	7494	3536	1.33	330.39	1032	2.84	1093	3.09	1152	3.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62020-S	4769	2250	0.49	123.04	693	0.8	785	0.97	873	1.15	957	1.34	1036	1.54	1110	1.75	1181	1.96	1248	2.18	1312	2.41	1374	2.65
	6600	3115	1.01	250.92	917	1.97	985	2.19	1052	2.42	1117	2.66	1181	2.91	1243	3.17	-	-	-	-	-	-	-	-
	7494	3536	1.33	330.39	1032	2.84	1093	3.09	1152	3.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62024-S	5250	2477	0.49	123.02	581	0.77	666	0.98	744	1.2	815	1.44	882	1.68	944	1.93	999	2.2	1054	2.5	1107	2.7	1157	3
	7500	3539	1.08	268.97	788	2.04	850	2.32	910	2.61	965	2.9	1020	3.2	1072	3.56	1123	3.9	1172	4.2	-	-	-	-
	8250	3893	1.33	330.36	861	2.67	917	2.98	971	3.3	1024	3.6	1075	4	1125	4.3	1173	4.7	-	-	-	-	-	-
62028-S	6300	2973	0.49	123.02	581	0.98	659	1.2	732	1.44	801	1.69	867	1.96	929	2.23	984	2.5	1066	2.95	1118	3.26	1168	3.6
	8800	4153	1.03	256.05	776	2.47	833	2.76	888	3.07	943	3.39	994	3.72	1045	4.1	1094	4.4	1142	4.8	1189	5.2	-	-
	9900	4672	1.33	330.36	866	3.47	917	3.8	966	4.1	1015	4.5	1062	4.86	1109	5.2	1155	5.6	1199	6	-	-	-	-
62033-S	7292	3441	0.49	123.03	591	1.24	661	1.47	728	1.72	793	1.99	856	2.27	916	2.56	970	2.86	1025	3.2	1078	3.5	1129	3.8
	10416	4915	1.08	268.93	810	3.39	860	3.7	909	4.03	956	4.4	1003	4.7	1050	5.1	1095	5.5	1140	5.85	1184	6.3	-	-
	11458	5407	1.33	330.34	886	4.48	932	4.82	976	5.2	1020	5.5	1063	5.9	1106	6.3	1149	6.7	1190	7.1	-	-	-	-
62036-S	8750	4129	0.49	123.02	618	1.76	678	2	737	2.27	795	2.55	851	2.84	907	3.15	957	3.5	1009	3.8	1060	4.15	1109	4.5
	11500	5427	0.9	223.86	789	3.83	835	4.14	881	4.46	926	4.8	969	5.16	1013	5.5	1057	5.9	1100	6.28	1142	6.68	1184	7.1
	13750	6489	1.33	330.36	935	6.46	973	6.85	1011	7.2	1049	7.6	1087	8	1124	8.4	1161	8.8	-	-	-	-	-	-
62037-S	8750	4129	0.49	123.02	618	1.76	678	2	737	2.27	795	2.55	851	2.84	907	3.15	957	3.5	1009	3.8	1060	4.15	1109	4.5
	11500	5427	0.9	223.86	789	3.83	835	4.14	881	4.46	926	4.8	969	5.16	1013	5.5	1057	5.9	1100	6.28	1142	6.68	1184	7.1
	13750	6489	1.33	330.36	935	6.46	973	6.85	1011	7.2	1049	7.6	1087	8	1124	8.4	1161	8.8	-	-	-	-	-	-
62046-S	10208	4817	0.49	123.01	497	1.74	556	2.07	612	2.42	665	2.78	716	3.15	764	3.54	810	3.94	855	4.36	898	4.78	939	5.22
	14580	6880	1.08	268.83	681	4.74	724	5.2	765	5.67	805	6.15	845	6.64	883	7.14	920	7.65	957	8.18	993	8.71	-	-
	16042	7570	1.33	330.38	745	6.26	784	6.76	822	7.27	859	7.79	895	8.32	931	8.86	966	9.42	999	10	-	-	-	-
62055-S	12031	5677	0.6	148.58	542	2.53	594	2.9	644	3.29	692	3.7	739	4.11	784	4.54	827	4.98	869	5.43	909	5.89	948	6.37
	17000	8022	1.13	281.59	717	6.46	755	6.97	793	7.49	829	8.02	865	8.56	900	9.11	935	9.67	969	10.24	999	10.8	-	-
	18906	8922	1.37	340.9	784	8.67	819	9.23	853	9.8	886	10.38	919	10.96	951	11.56	983	12.17	-	-	-	-	-	-
62060-S	13125	6194	0.6	148.59	554	2.98	604	3.38	651	3.79	697	4.21	741	4.65	784	5.1	826	5.56	867	6.03	906	6.51	944	7
	18750	8848	1.15	287.28	744	7.94	779	8.48	814	9.04	849	9.6	882	10.18	915	10.77	948	11.36	980	11.97	-	-	-	-
	20625	9733	1.37	340.91	807	10.36	840	10.95	872	11.56	903	12.17	934	12.8	-	-	-	-	-	-	-	-	-	-
62066-S	14000	6607	0.68	169.66	586	3.57	632	3.99	677	4.42	720	4.87	763	5.32	804	5.79	844	6.27	883	6.77	921	7.27	958	7.78
	18750	8848	1.16	289.95	746	7.97	781	8.51	816	9.07	850	9.63	884	10.21	917	10.8	950	11.39	982	12	-	-	-	-
	22000	10382	1.55	386.56	856	12.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
62076-S	17150	8093	0.72	180.3	357	3.71	388	4.23	417	4.79	446	5.37	473	5.99	500	6.62	526	7.29	551	7.97	576	8.68	599	9.4
	23000	10854	1.24	308.47	453	8.18	477	8.85	500	9.54	522	10.25	544	10.99	566	11.75	587	12.53	608	13.33	629	14.16	649	15
	26950	12718	1.65	410.1	518	12.67	538	13.43	558	14.21	578	15.02	597	15.84	-	-	-	-	-	-	-	-	-	-
63085-S	19294	9105	0.72	180.3	306	3.85	335	4.46	362	5.1	388	5.76	413	6.46	437	7.18	460	7.92	482	8.69	504	9.48	525	10.3
	25600	12081	1.21	302.51	382	8.16	405	8.93	427	9.73	448	10.55	468	11.39	489	12.25	508	13.14	527	14.04	546	14.97	564	15.91
	30319	14308	1.65	410.1	439	12.94	459	13.83	478	14.75	496	15.68	514	16.64	532	17.62	550	18.61	-	-	-	-	-	-
63090-S	19294	9105	0.72	180.3	306	3.85	335	4.46	362	5.1	388	5.76	413	6.46	437	7.18	460	7.92	482	8.69	504	9.48	525	10.3
	25600	12081	1.21	302.51	382	8.16	405	8.93	427	9.73	448	10.55	468	11.39	489	12.25	508	13.14	527	14.04	546	14.97	564	15.91
	30319	14308	1.65	410.1	439	12.94	459	13.83	478	14.75	496	15.68	514	16.64	532	17.62	550	18.61	-	-	-	-	-	-
63095-S	21437	10116	0.72	180.29	311	4.58	338	5.22	364	5.89	389	6.59	413	7.31	436	8.06	458	8.84	480	9.63	501	10.45	522	11.29
	28400	13402	1.21	301.65	390	9.78	411	10.6	431	11.44	451	12.3	471	13.18	490	14.08	509	15.01	528	15.95	546	16.92	563	17.9
	33687	15897	1.65	410.09	449	15.66	468	16.61	485	17.58	503	18.56	-	-	-	-	-	-	-	-	-	-	-	-
63100-S	22312	10529	0.72	180.29	272	4.24	300	5.04	327	5.9	352	6.81	376	7.75	399	8.73	421	9.73	442	10.77	462	11.82	482	12.9
	30000	14157	1.24	309.91	341	9.14	362	10.15	384	11.2	405	12.3	425	13.45	444	14.62	463	15.83	482	17.07	500	18.34	517	19.64
	35062	16546	1.65	410.09	386	13.86	405	15	424	16.19	442	17.42	460	18.68	477	19.99	495	21.32	512	22.69	528	24.09	544	25.51
63105-S	23625	11149	0.72	180.3	272	4.58	300	5.4	326	6.27	351	7.19	375	8.15	398	9.15	419	10.18	440	11.24	460	12.33	480	13.44
	31500	14865	1.23	305.22	340	9.73	361	10.75	382	11.81	402	12.92	422	14.07	441	15.27	460	16.49	478	17.75	496	19.04	514	20.35
	37125	17519	1.65	410.1	388	15.16	407	16.31	425	17.51	442	18.76	460	20.04	477	21.36	494	22.72	510	24.11	526	25.53	-	-
63110-S	25156	11871	0.72	180.29	273	5.02	300	5.85	325	6.74	350	7.67	373	8.66	396	9.68	417	10.74	438	11.82	458	12.94	477	14.08
	33500	15809	1.22	304.52	342	10.73	363	11.76	382	12.84	402	13.96	421	15.13	440	16.34	458	17.59	476	18.87	494	20.18	511	21.53
	39531	18655	1.65	410.09	392	16.84	409	18.01	427	19.23	444	20.49	460	21.79	477	23.13	493	24.51	509	25.92	-	-	-	-
64120-S	25812	12181	0.72	180.29	274	5.23	300	6.06	325	6.95	349	7.9	373	8.89	395	9.92	416	10.98	437	12.08	457	13.21	476	14.36
	33500	15809	1.17	290.51	336	10.45	357	11.47	377	12.53	397	13.64	416	14.8	435	16	453	17.23	471	18.51	489	19.81	506	21.15
	40562	19141	1.65	410.09	394	17.62	411	18.8	428	20.02	445	21.29	461	22.6	477	23.95	493	25.33	-	-	-	-	-	-
64130-S	26687	12594	0.72	180.29	275	5.52	301	6.36	325	7.25	349	8.2	372	9.2	394	10.25	415	11.32	436	12.44	456	13.58	475	14.75
	35000	16517	1.19	296.13	341	11.4	361	12.43	380	13.51	400	14.63	418	15.81	437	17.02	455	18.28	473	19.57	490	20.89	507	22.25
	41937	19790	1.65	410.09	397	18.72	413	19.91	430	21.14	446	22.42	462	23.74	478	25.09	-	-	-	-	-	-	-	-
64136-S	28000	13213	0.72	180.3	277	5.99	302	6.83	326	7.74	349	8.7	371	9.71	393	10.77	414	11.86	434	13	454	14.16	473	15.35
	37000	17460	1.21	300.26	347	12.7	366	13.75	384	14.84	403	15.99	421	17.18	439	18.41	456	19.69	473	21	490	22.35	507	23.73
	44000	20764	1.65	410.1	402	20.51	417	21.71	433	22.95	449	24.24	464	25.57	-	-	-	-	-	-	-	-	-	-
64145-S	29750	14039	0.72	180.3	281	6.67	304	7.53	327	8.45	349	9.42	371	10.45	392	11.52	413	12.64	433	13.79	452	14.98	471	16.2
	40000	18876	1.24	309.91	358	14.98	375	16.05	393	17.18	410	18.35	427	19.57	444	20.83	460	22.14	477	23.48	493	24.86	-	-
	46750	22061	1.65	410.1	409	23.13	424	24.35	439	25.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 9

Notes :

1. Areas shaded in grey indicate the operating range of a standard fan motor; out of this range shift to next larger motor size.
2. Internal static pressure is based on pressure drops through evaporator coil, fan casing and 2" washable flat filters.
3. For external static pressure more than 2.0 in.wg. (498 Pa) and for the data corresponding to the blank boxes, please consult SKM.

Field Connections

PACV-S series self-contained heavy duty air cooled packaged units are designed for minimum field interaction.

Power hook-ups and control wiring of room unit as per Electrical hook-up diagram is all that is required to electrically connect any model of **PACV-S** series .

Every **PACV-S** series package air conditioning unit requires, at most, field installed fused disconnect switches or circuit breakers, and room unit.

Refer below for a schematic representation of required field electrical hook-ups for a standard **PACV-S** series packaged air conditioning unit.

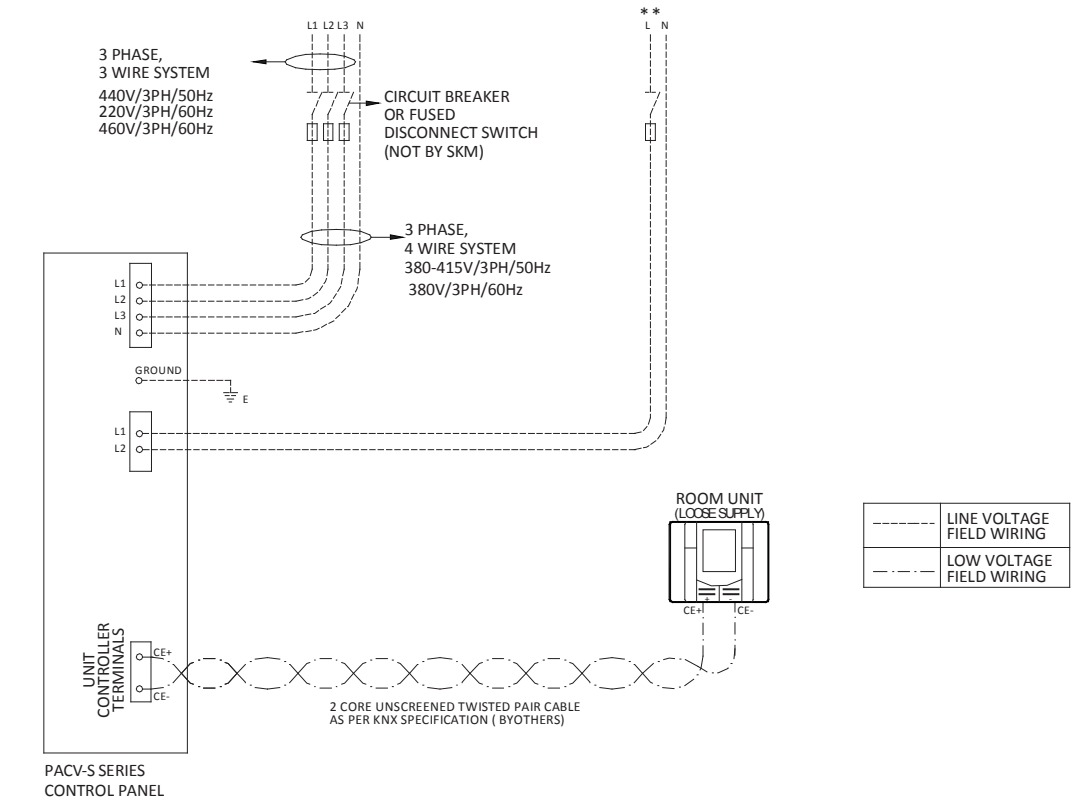
All field wiring must be done in accordance with applicable local and national codes.

For maximum recommended for fuse sizing and minimum circuit amps for cable sizing, see Page 25~27 of this bulletin.

Duct work should be connected with flexible connections to the **PACV-S** series. One or two drains suitably trapped, are required to be connected to the drain outlet of all models of **PACV-S** series.

The **PACV-S** series is then ready to provide cooling, on demand.

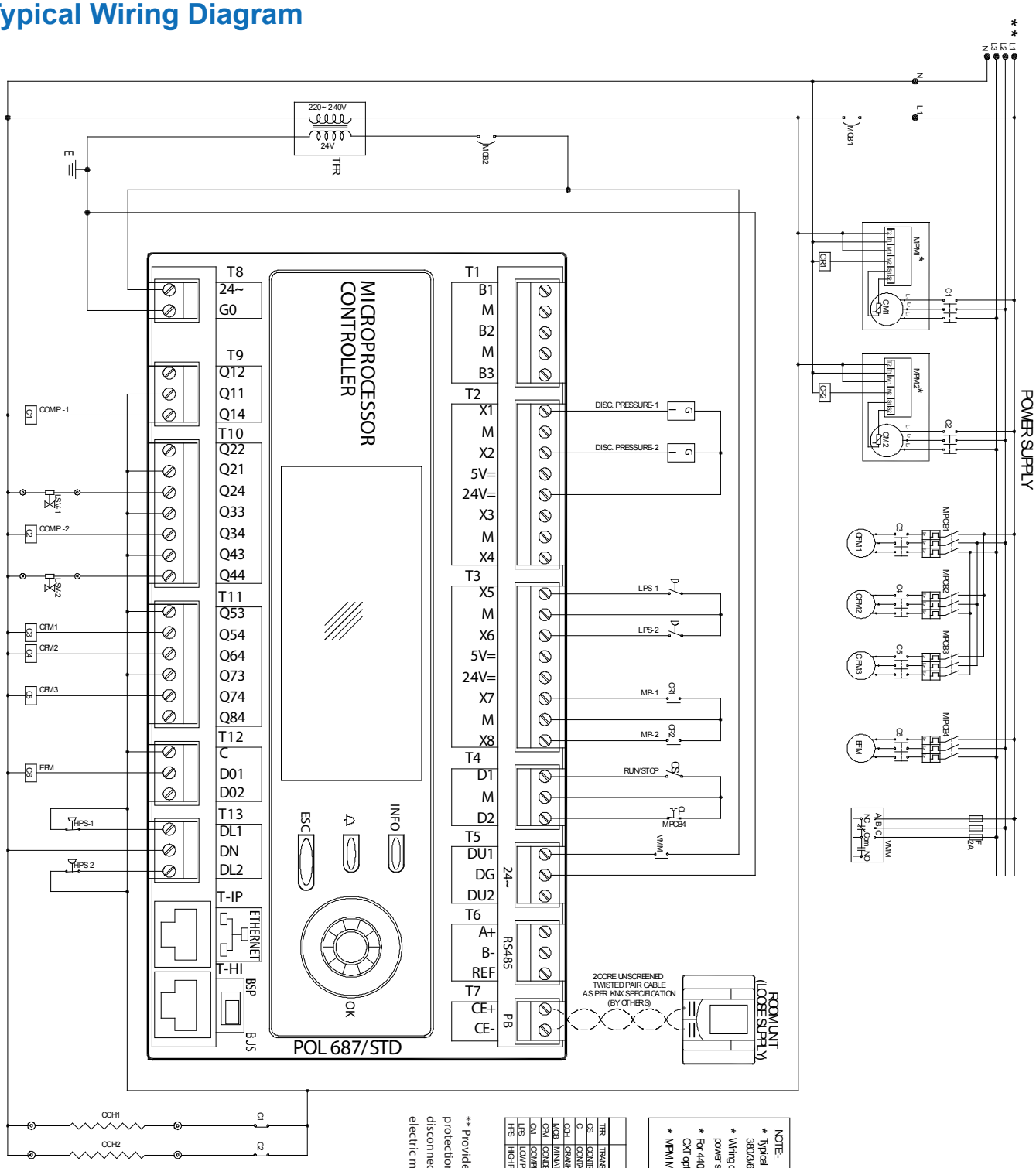
Field Wiring Requirement Schematic



REFER ACTUAL WIRING DIAGRAM
FURNISHED WITH THE UNIT FOR
EXACT IDENTIFICATION OF WIRE NUMBERS.

** PACV-S SERIES UNITS RATED FOR 440V/3PH/50HZ, 460V/3PH/60HZ, OR POWER SUPPLIES WITH OUT NEUTRAL REQUIRE SEPARATE SOURCE OF CONTROL POWER SUPPLY THRU FIELD SUPPLIED & INSTALLED 15A/220V FUSED CONTROL DISCONNECT SWITCH OR ORDER WITH FACTORY BUILT IN OPTION ' CXT '.

Typical Wiring Diagram



NOTE:-
* Typical wiring diagram given here is for units with 380~ 415/3/50 or 380/3/60, 4 wire power supplies.
* Wiring diagrams for 440/3/50, 220/3/60 or 460/3/60 power supplies are available on request.
* For 440/3/50 or 460/3/60 or power supplies without neutral CXT option is a must.
* MPM Module is not available in some small compressors.

LEGEND

TFR	TRANSFORMER	VMM	VOLTAGE MONITORING MODULE
CS	CONTROL SWITCH	MPM	MOTOR PROTECTOR MODULE
C	CONTACTOR	MPCB	MOTOR PROTECTOR CIRCUIT BREAKER
COH	CRANKCASE HEATER	OL	OVERLOAD RELAY
MCB	MINIATURE CIRCUIT BREAKER	LSV	LIQUID LINE SOLENOID VALVE
CRM	CONDENSER FAN MOTOR	EFM	EVAPORATOR FAN MOTOR
CM	COMPRESSOR MOTOR	CR	CONTROL RELAY
LPS	LOW PRESSURE SWITCH	-----	FIELD WIRING
HPS	HIGH PRESSURE SWITCH		

** Provide Overcurrent, short circuit, earth fault protection & disconnect means as required by local and national electric mode.

ELECTRICAL DATA

POWER SUPPLY 380-415V/3Ph/50Hz

MODEL PACV	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
51008-S	63	33	127	1	22	118	2	1.1	3.9	1	3.6	19.2
51010-S	80	43	183	1	30	174	2	1.1	3.9	1	3.6	19.2
51014-S	100	59	243	1	38	225	2	2.4	8.9	1	6.6	35.6
52015-S	100	61	158	1 + 1	22 + 22	118 + 118	2	2.4	8.9	1	6.6	35.6
51017-S	125	68	292	1	44	272	2	2.4	8.9	1	8.6	45.6
52017-S	125	73	216	1 + 1	30 + 22	174 + 118	2	2.4	8.9	1	8.6	45.6
52020-S	125	84	234	1 + 1	30 + 30	174 + 174	2	3.9	17.2	1	8.6	45.6
52023-S	160	94	285	1 + 1	38 + 30	225 + 174	2	3.9	17.2	1	8.6	45.6
52026-S	160	109	300	1 + 1	38 + 38	225 + 225	3	3.9	17.2	1	11.8	67.3
52030-S	200	121	351	1 + 1	44 + 38	272 + 225	3	3.9	17.2	1	16	105.6
52032-S	200	127	357	1 + 1	44 + 44	272 + 272	3	3.9	17.2	1	16	105.6
52038-S	200	155	305	2 + 2	30 + 30	174 + 174	3	3.9	17.2	1	16	105.6
52045-S	250	184	375	2 + 2	38 + 30	225 + 174	4	3.9	17.2	1	23.2	148.5
52050-S	250	200	391	2 + 2	38 + 38	225 + 225	4	3.9	17.2	1	23.2	148.5
52055-S	315	214	444	2 + 2	44 + 38	272 + 225	4	3.9	17.2	1	23.2	148.5
52065-S	315	234	465	2 + 2	44 + 44	272 + 272	4	3.9	17.2	1	31.6	221.2
53070-S	315	269	473	3 + 3	38 + 30	225 + 174	6	3.9	17.2	1	31.6	221.2
53075-S	400	293	497	3 + 3	38 + 38	225 + 225	6	3.9	17.2	1	31.6	221.2
53080-S	400	293	497	3 + 3	38 + 38	225 + 225	6	3.9	17.2	1	31.6	221.2
53085-S	400	306	550	2 + 4	44 + 38	272 + 225	6	3.9	17.2	1	31.6	221.2
53090-S	400	318	562	4 + 2	44 + 38	272 + 225	6	3.9	17.2	1	31.6	221.2
53095-S	400	330	574	5 + 1	44 + 38	272 + 225	6	3.9	17.2	1	37.9	284.2
54100-S	500	383	587	4 + 4	38 + 38	225 + 225	8	3.9	17.2	1	37.9	284.2
54110-S	500	402	646	3 + 5	44 + 38	272 + 225	8	3.9	17.2	1	37.9	284.2
54115-S	500	414	658	5 + 3	44 + 38	272 + 225	8	3.9	17.2	1	37.9	284.2
54125-S	500	438	682	4 + 4	44 + 44	272 + 272	8	3.9	17.2	1	44.2	331.6

Table 10

POWER SUPPLY 440V/3Ph/50Hz

MODEL PACV	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
51008-S	63	33	126	1	22	118	2	1.1	3.9	1	3.1	16.6
51010-S	80	43	182	1	30	174	2	1.1	3.9	1	3.1	16.6
51014-S	100	59	243	1	38	225	2	2.8	9.2	1	5.7	30.8
52015-S	100	61	158	1 + 1	22 + 22	118 + 118	2	2.8	9.2	1	5.7	30.8
51017-S	125	68	291	1	44	272	2	2.8	9.2	1	7.4	39.3
52017-S	125	73	215	1 + 1	30 + 22	174 + 118	2	2.8	9.2	1	7.4	39.3
52020-S	125	84	233	1 + 1	30 + 30	174 + 174	2	4.3	17.6	1	7.4	39.3
52023-S	160	94	284	1 + 1	38 + 30	225 + 174	2	4.3	17.6	1	7.4	39.3
52026-S	160	109	299	1 + 1	38 + 38	225 + 225	3	4.3	17.6	1	10.2	58
52030-S	200	120	350	1 + 1	44 + 38	272 + 225	3	4.3	17.6	1	13.8	91.1
52032-S	200	126	356	1 + 1	44 + 44	272 + 272	3	4.3	17.6	1	13.8	91.1
52038-S	200	154	304	2 + 2	30 + 30	174 + 174	3	4.3	17.6	1	13.8	91.1
52045-S	250	183	374	2 + 2	38 + 30	225 + 174	4	4.3	17.6	1	20	128.1
52050-S	250	199	390	2 + 2	38 + 38	225 + 225	4	4.3	17.6	1	20	128.1
52055-S	315	212	443	2 + 2	44 + 38	272 + 225	4	4.3	17.6	1	20	128.1
52065-S	315	232	462	2 + 2	44 + 44	272 + 272	4	4.3	17.6	1	27.3	190.9
53070-S	315	267	471	3 + 3	38 + 30	225 + 174	6	4.3	17.6	1	27.3	190.9
53075-S	400	291	495	3 + 3	38 + 38	225 + 225	6	4.3	17.6	1	27.3	190.9
53080-S	400	291	495	3 + 3	38 + 38	225 + 225	6	4.3	17.6	1	27.3	190.9
53085-S	400	304	548	2 + 4	44 + 38	272 + 225	6	4.3	17.6	1	27.3	190.9
53090-S	400	316	560	4 + 2	44 + 38	272 + 225	6	4.3	17.6	1	27.3	190.9
53095-S	400	328	571	5 + 1	44 + 38	272 + 225	6	4.3	17.6	1	32.7	245.2
54100-S	500	381	585	4 + 4	38 + 38	225 + 225	8	4.3	17.6	1	32.7	245.2
54110-S	500	400	644	3 + 5	44 + 38	272 + 225	8	4.3	17.6	1	32.7	245.2
54115-S	500	412	656	5 + 3	44 + 38	272 + 225	8	4.3	17.6	1	32.7	245.2
54125-S	500	436	679	4 + 4	44 + 44	272 + 272	8	4.3	17.6	1	38.2	286.1

Table 11

ELECTRICAL DATA

POWER SUPPLY 380V/3Ph/60Hz

MODEL PACV	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61009-S	63	37	155	1	24	145	2	1.5	4.5	1	3.6	18.9
61012-S	100	54	207	1	37	196	2	1.5	4.5	1	4.9	25
61018-S	125	65	299	1	42	280	2	3.1	9.6	1	6.3	34
62018-S	100	67	188	1 + 1	24 + 24	145 + 145	2	3.1	9.6	1	6.3	34
61020-S	160	85	374	1	56	353	2	3.1	9.6	1	8.4	44.3
62020-S	125	85	241	1 + 1	37 + 24	196 + 145	2	3.1	9.6	1	8.4	44.3
62024-S	160	102	264	1 + 1	37 + 37	196 + 196	2	5.3	17.5	1	8.4	44.3
62028-S	160	109	348	1 + 1	42 + 37	280 + 196	2	5.3	17.5	1	8.4	44.3
62033-S	200	122	362	1 + 1	42 + 42	280 + 280	3	5.3	17.5	1	11.5	65.5
62036-S	200	143	439	1 + 1	56 + 42	353 + 280	3	5.3	17.5	1	15.5	102.3
62037-S	250	157	453	1 + 1	56 + 56	353 + 353	3	5.3	17.5	1	15.5	102.3
62046-S	250	189	351	2 + 2	37 + 37	196 + 196	3	5.3	17.5	1	15.5	102.3
62055-S	315	213	452	2 + 2	42 + 37	280 + 196	4	5.3	17.5	1	23	147.1
62060-S	315	231	470	2 + 2	42 + 42	280 + 280	4	5.3	17.5	1	30.9	216
62066-S	400	262	557	2 + 2	56 + 42	353 + 280	4	5.3	17.5	1	30.9	216
62076-S	400	290	585	2 + 2	56 + 56	353 + 353	4	5.3	17.5	1	30.9	216
63085-S	400	310	562	3 + 3	42 + 37	280 + 196	6	5.3	17.5	1	30.9	216
63090-S	400	325	577	3 + 3	42 + 42	280 + 280	6	5.3	17.5	1	30.9	216
63095-S	400	325	577	3 + 3	42 + 42	280 + 280	6	5.3	17.5	1	30.9	216
63100-S	500	357	664	2 + 4	56 + 42	353 + 280	6	5.3	17.5	1	30.9	216
63105-S	500	385	692	4 + 2	56 + 42	353 + 280	6	5.3	17.5	1	30.9	216
63110-S	500	405	713	5 + 1	56 + 42	353 + 280	6	5.3	17.5	1	37.5	281.3
64120-S	500	426	678	4 + 4	42 + 42	280 + 280	8	5.3	17.5	1	37.5	281.3
64130-S	630	472	779	3 + 5	56 + 42	353 + 280	8	5.3	17.5	1	37.5	281.3
64136-S	630	500	807	5 + 3	56 + 42	353 + 280	8	5.3	17.5	1	37.5	281.3
64145-S	630	548	855	4 + 4	56 + 56	353 + 353	8	5.3	17.5	1	43.6	326.7

Table 12

POWER SUPPLY 460V/3Ph/60Hz

MODEL PACV	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61009-S	63	32	135	1	21	125	2	1.3	5.2	1	3	15.6
61012-S	80	42	190	1	28	179	2	1.3	5.2	1	4.1	20.7
61018-S	100	59	245	1	38	225	2	3.1	11.8	1	5.2	28.1
62018-S	100	59	166	1 + 1	21 + 21	125 + 125	2	3.1	11.8	1	5.2	28.1
61020-S	125	68	294	1	44	272	2	3.1	11.8	1	6.9	36.6
62020-S	100	69	222	1 + 1	28 + 21	179 + 125	2	3.1	11.8	1	6.9	36.6
62024-S	125	80	240	1 + 1	28 + 28	179 + 179	2	5	21.0	1	6.9	36.6
62028-S	160	92	286	1 + 1	38 + 28	225 + 179	2	5	21.0	1	6.9	36.6
62033-S	160	110	304	1 + 1	38 + 38	225 + 225	3	5	21.0	1	9.5	54.1
62036-S	200	121	354	1 + 1	44 + 38	272 + 225	3	5	21.0	1	12.8	84.5
62037-S	200	127	360	1 + 1	44 + 44	272 + 272	3	5	21.0	1	12.8	84.5
62046-S	200	147	307	2 + 2	28 + 28	179 + 179	3	5	21.0	1	12.8	84.5
62055-S	250	181	374	2 + 2	38 + 28	225 + 179	4	5	21.0	1	19	121.6
62060-S	250	207	401	2 + 2	38 + 38	225 + 225	4	5	21.0	1	25.5	178.5
62066-S	315	221	454	2 + 2	44 + 38	272 + 225	4	5	21.0	1	25.5	178.5
62076-S	315	233	466	2 + 2	44 + 44	272 + 272	4	5	21.0	1	25.5	178.5
63085-S	315	263	473	3 + 3	38 + 28	225 + 179	6	5	21.0	1	25.5	178.5
63090-S	400	293	503	3 + 3	38 + 38	225 + 225	6	5	21.0	1	25.5	178.5
63095-S	400	293	503	3 + 3	38 + 38	225 + 225	6	5	21.0	1	25.5	178.5
63100-S	400	307	556	2 + 4	44 + 38	272 + 225	6	5	21.0	1	25.5	178.5
63105-S	400	319	568	4 + 2	44 + 38	272 + 225	6	5	21.0	1	25.5	178.5
63110-S	400	330	579	5 + 1	44 + 38	272 + 225	6	5	21.0	1	31	232.5
64120-S	500	385	594	4 + 4	38 + 38	225 + 225	8	5	21.0	1	31	232.5
64130-S	500	404	653	3 + 5	44 + 38	272 + 225	8	5	21.0	1	31	232.5
64136-S	500	416	665	5 + 3	44 + 38	272 + 225	8	5	21.0	1	31	232.5
64145-S	500	439	688	4 + 4	44 + 44	272 + 272	8	5	21.0	1	36	270

Table 13

ELECTRICAL DATA

POWER SUPPLY 220V/3Ph/60Hz

MODEL PACV	Unit Characteristic			Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
61009-S	125	70	261	1	47	245	2	2.5	7.5	1	6.2	32.6
61012-S	160	89	359	1	60	340	2	2.5	7.5	1	8.5	43.3
61018-S	250	123	538	1	81	505	2	5.4	16.7	1	10.9	58.7
62018-S	200	127	325	1 + 1	47 + 47	245 + 245	2	5.4	16.7	1	10.9	58.7
61020-S	250	134	642	1	87	605	2	5.4	16.7	1	14.4	76.5
62020-S	250	147	424	1 + 1	60 + 47	340 + 245	2	5.4	16.7	1	14.4	76.5
62024-S	250	167	453	1 + 1	60 + 60	340 + 340	2	9	29.7	1	14.4	76.5
62028-S	315	194	618	1 + 1	81 + 60	505 + 340	2	9	29.7	1	14.4	76.5
62033-S	315	229	654	1 + 1	81 + 81	505 + 505	3	9	29.7	1	19.9	113.1
62036-S	400	244	761	1 + 1	87 + 81	605 + 505	3	9	29.7	1	26.8	176.6
62037-S	400	250	767	1 + 1	87 + 87	605 + 605	3	9	29.7	1	26.8	176.6
62046-S	400	309	595	2 + 2	60 + 60	340 + 340	3	9	29.7	1	26.8	176.6
62055-S	500	378	802	2 + 2	81 + 60	505 + 340	4	9	29.7	1	39.7	254.1
62060-S	630	434	858	2 + 2	81 + 81	505 + 505	4	9	29.7	1	53.3	373.1
62066-S	630	447	964	2 + 2	87 + 81	605 + 505	4	9	29.7	1	53.3	373.1
62076-S	630	459	976	2 + 2	87 + 87	605 + 605	4	9	29.7	1	53.3	373.1
63085-S	800	551	996	3 + 3	81 + 60	505 + 340	6	9	29.7	1	53.3	373.1
63090-S	800	614	1059	3 + 3	81 + 81	505 + 505	6	9	29.7	1	53.3	373.1
63095-S	800	614	1059	3 + 3	81 + 81	505 + 505	6	9	29.7	1	53.3	373.1
63100-S	800	627	1165	2 + 4	87 + 81	605 + 505	6	9	29.7	1	53.3	373.1
63105-S	800	639	1177	4 + 2	87 + 81	605 + 505	6	9	29.7	1	53.3	373.1
63110-S	800	657	1194	5 + 1	87 + 81	605 + 505	6	9	29.7	1	64.8	485.9
64120-S	1000	805	1250	4 + 4	81 + 81	505 + 505	8	9	29.7	1	64.8	485.9
64130-S	1000	825	1362	3 + 5	87 + 81	605 + 505	8	9	29.7	1	64.8	485.9
64136-S	1000	837	1374	5 + 3	87 + 81	605 + 505	8	9	29.7	1	64.8	485.9
64145-S	1000	865	1403	4 + 4	87 + 87	605 + 605	8	9	29.7	1	75.2	564.3

Table 14

Legend

MFA Maximum Fuse Amps (for fuse/circuit breaker sizing), complies with NEC Article 440-22 & 430-52.

MCA Minimum Circuit Amps.(for wire sizing), complies with NEC article 440-33.

ICF Maximum Instantaneous Current Flow.

DOL Direct On-Line Start .

PWS Part Winding Start.

RLA Rated Load Amps. (at worst operating condition) .

LRA Locked Rotor Amps.

FLA Full Load Amps.

Note :

Voltage imbalance not to exceed ± 2 % of the rated voltage.

Component Air Pressure Drop

Components		Coil Face Velocity						
		fpm	300	350	400	450	500	550	600
		m/s	1.5	1.8	2	2.3	2.5	2.8	3.5
Flat Filters	aluminum filter 2"	in.wg	0.060	0.090	0.120	0.170	0.220	0.270	0.330
		Pa	15	22	30	42	55	67	82
	synthetic 2"	in.wg	0.150	0.170	0.200	0.230	0.270	0.310	0.350
		Pa	37	42	50	57	67	77	87
Vee Filters		in.wg	Flat filter PD X 0.7						
		Pa							
Bag Filters	22" depth	in.wg	0.220	0.300	0.380	0.490	0.600	0.730	0.860
		Pa	55	75	95	122	149	182	214
	30" depth	in.wg	0.200	0.270	0.350	0.450	0.550	0.670	0.790
		Pa	50	67	87	112	137	167	197
	36" depth	in.wg	0.180	0.250	0.320	0.410	0.500	0.610	0.720
		Pa	45	62	80	102	124	152	179

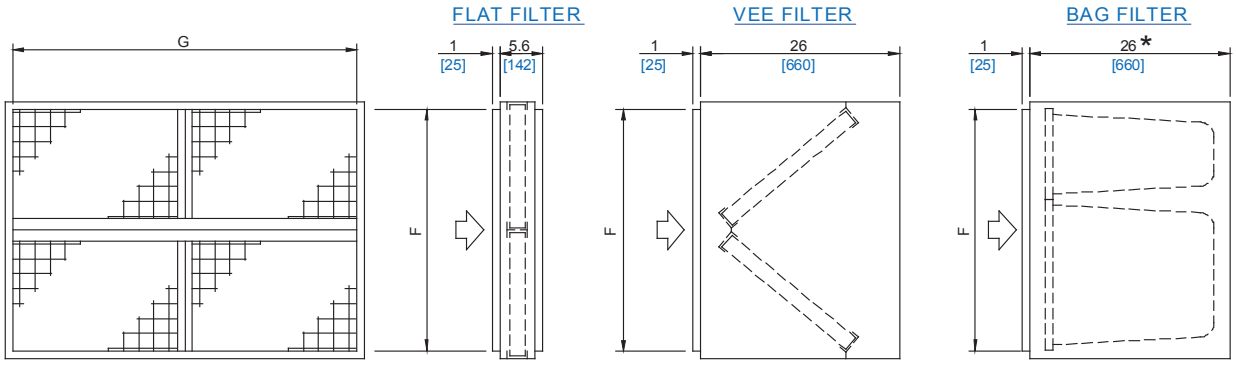
* Initial pressure drop based on 95% bag filter dust spot efficiency.

N.R. = Not Recommended

Electric Heater		in.wg	0.030	0.040	0.050	0.060	0.070	0.080	0.090
		Pa	7	10	12	15	17	20	22
Casing	1 Blower	in.wg	0.112	0.147	0.185	0.228	0.275	0.325	0.379
		Pa	28	37	46	57	68	81	94
	2 Blowers	in.wg	0.080	0.104	0.132	0.162	0.195	0.230	0.269
		Pa	20	26	33	40	48	57	67
Evaporator Coil (3/8" - 12 fpi)	4 Rows	in.wg	0.188	0.256	0.342	0.445	0.564	0.699	0.850
		Pa	47	64	85	111	140	174	211
	5 Rows	in.wg	0.235	0.320	0.428	0.556	0.705	0.874	1.062
		Pa	58	80	106	138	175	217	264
Evaporator Coil (5/8" - 12 fpi)	5 Rows	in.wg	0.325	0.423	0.532	0.650	0.778	0.916	1.063
		Pa	81	105	132	162	194	228	265
	6 Rows	in.wg	0.390	0.508	0.638	0.780	0.934	1.100	1.276
		Pa	97	126	159	194	232	274	317
Moisture Eliminator		in.wg	0.020	0.040	0.060	0.080	0.100	0.110	0.120
		Pa	5	10	15	20	25	27	30

Table 15

Filter Dimensions & Sizes



MODEL PACV	F	G	FLAT FILTER				VEE FILTER		BAG FILTER			
			SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.	SIZE H x L	QTY.
51008 S 61009 S	24 (610)	40 (1016)	25x20 (635x508)	2	-		20x20 (508x508)	4	24x20 (610x508)	2	-	
51010 S 61012 S	30 (762)	44 (1118)	16x25 (406x635) 16x20 (406x508)	2 2	-		24x20 (635x508) 24x25 (635x635)	2 2	12x24 (305x610) 12x20 (305x508)	1 1	20x24 (508x610) 20x20 (508x508)	1 1
51014 S 61018 S	30 (762)	60 (1524)	16x20 (406x508)	6	-		24x20 (635x508)	6	12x20 (305x508)	3	20x20 (508x508)	3
52015 S 62018 S	30 (762)	60 (1524)	16x20 (406x508)	6	-		24x20 (635x508)	6	12x20 (305x508)	3	20x20 (508x508)	3
51017 S 61020 S	30 (762)	65 (1661)	16x25 (406x635) 16x20 (406x508)	2 4	-		24x16 (635x406) 24x25 (635x635)	2 4	12x24 (305x610) 12x20 (305x508)	1 2	20x24 (508x610) 20x20 (508x508)	1 2
52017 S 62020 S	30 (762)	65 (1661)	16x25 (406x635) 16x20 (406x508)	2 4	-		24x16 (635x406) 24x25 (635x635)	2 4	12x24 (305x610) 12x20 (305x508)	1 2	20x24 (508x610) 20x20 (508x508)	1 2
52020 S 62024 S	30 (762)	72 (1829)	16x16 (406x406) 16x20 (406x508)	4 4	-		24x20 (635x508) 24x25 (635x635)	2 4	12x24 (305x610) 20x24 (508x610)	3 3	-	
52023 S 62028 S	36 (914)	72 (1829)	16x16 (406x406) 16x20 (406x508)	2 2	20x16 (508x406) 20x20 (508x508)	2 2	20x16 (508x406) 20x20 (508x508)	6 6	12x24 (305x610) 24x24 (610x610)	3 3	-	
52026 S 62033 S	40 (1016)	75 (1905)	20x25 (508x635)	6	-		20x25 (508x635)	9	20x20 (508x508) 20x24 (508x610) 20x12 (508x305)	4 2 2	-	
52030 S 62036 S	48 (1219)	75 (1905)	25x25 (635x635)	6	-		24x25 (635x635)	9	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	4 2 2	-	
52032 S 62037 S	48 (1219)	75 (1905)	25x25 (635x635)	6	-		24x25 (635x635)	9	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	4 2 2	-	
52038 S 62046 S	56 (1422)	75 (1905)	16x25 (406x635) 20x25 (508x635)	3 6	-		24x25 (635x635)	9	12x12 (305x305) 12x20 (305x508) 12x24 (305x610) 20x24 (508x610)	1 2 1 1	20x20 (508x508) 20x12 (508x305) 24x24 (610x610) 24x20 (610x508) 24x12 (610x305)	2 1 1 2 1
52045 S 62055 S	66 (1676)	75 (1905)	25x25 (635x635) 20x25 (508x635)	3 6	-		24x25 (635x635)	12	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	4 2 2	20x20 (508x508) 20x24 (508x610) 20x12 (508x305)	2 1 1
52050 S 62060 S	72 (1829)	75 (1905)	16x25 (406x635) 20x25 (508x635)	6 6	-		24x25 (635x635)	12	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	6 3 3	-	
52055 S 62066 S	72 (1829)	80 (2032)	16x20 (406x508) 20x20 (508x508)	8 8	-		24x20 (635x508)	16	24x20 (610x508)	12	-	
52065 S 62076 S	72 (1829)	98 (2489)	16x25 (406x635) 20x25 (508x635)	8 8	-		24x25 (635x635)	16	24x24 (610x610)	12	-	
53070 S 63085 S	81 (2057)	98 (2489)	16x25 (406x635) 25x25 (635x635)	8 8	-		24x25 (635x635)	20	20x24 (508x610)	16	-	
53075 S 63090 S	81 (2057)	98 (2489)	16x25 (406x635) 25x25 (635x635)	8 8	-		24x25 (635x635)	20	20x24 (508x610)	16	-	
53080 S 63095 S	90 (2286)	98 (2489)	20x25 (508x635) 25x25 (635x635)	8 8	-		24x25 (635x635)	20	24x24 (610x610) 20x24 (508x610)	12 4	-	
53085 S 63100 S	90 (2286)	102 (2591)	25x16 (635x406) 25x20 (635x508) 20x25 (508x635)	4 2 4	25x25 (635x635) 20x16 (508x406) 20x20 (508x508)	4 4 2	24x25 (635x635)	20	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	3 9 3	20x20 (508x508) 20x24 (508x610) 20x12 (508x305)	1 3 1
53090 S 63105 S	90 (2286)	108 (2743)	20x16 (508x406) 20x20 (508x508)	6 6	25x16 (635x406) 25x20 (635x508)	6 6	24x16 (635x406) 24x20 (635x508)	15 15	24x24 (610x610) 24x12 (610x305)	12 3	20x24 (508x610) 20x12 (508x305)	4 1
53095 S 63110 S	90 (2286)	115 (2921)	25x25 (635x635) 25x16 (635x406)	8 2	20x25 (508x635) 20x16 (508x406)	8 2	24x25 (635x635) 24x16 (635x406)	20 5	24x20 (610x508) 24x24 (610x610)	3 12	20x20 (508x508) 20x24 (508x610)	1 4
54100 S 64120 S	90 (2286)	118 (2997)	25x25 (635x635) 25x20 (635x508)	8 2	20x25 (508x635) 20x20 (508x508)	8 2	24x25 (635x635) 24x20 (635x508)	20 5	24x24 (610x610) 20x24 (508x610)	15 5	-	
54110 S 64130 S	90 (2286)	122 (3099)	25x25 (635x635) 25x20 (635x508) 25x16 (635x406)	4 4 4	20x25 (508x635) 20x20 (508x508) 20x16 (508x406)	4 4 4	24x25 (635x635)	25	24x24 (610x610) 20x24 (508x610)	15 5	-	
54115 S 64136 S	90 (2286)	128 (3251)	20x16 (508x406) 25x16 (635x406)	16 16	-		24x25 (635x635)	30	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	3 12 3	20x20 (508x508) 20x24 (508x610) 20x12 (508x305)	1 4 1
54125 S 64145 S	90 (2286)	136 (3454)	25x25 (635x635) 25x20 (635x508) 25x16 (635x406)	8 2 2	20x25 (508x635) 20x20 (508x508) 20x16 (508x406)	8 2 2	24x25 (635x635) 24x20 (635x508) 24x16 (635x406)	20 5 5	24x20 (610x508) 24x24 (610x610) 24x12 (610x305)	15 3 3	20x20 (508x508) 20x24 (508x610) 20x12 (508x305)	5 1 1

Table 16

* BAG FILTER IS APPLICABLE FOR 22" DEPTH

ALL DIMENSIONS ARE IN INCHES (MM)

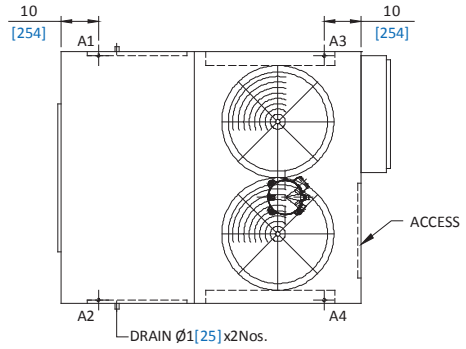
Dimensional Data

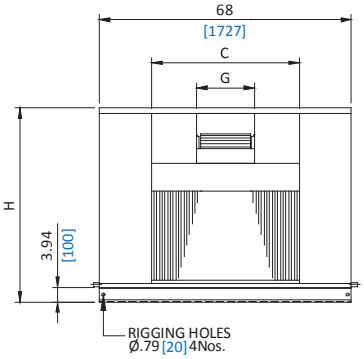
PACV Models: 51008 S, 51010 S & 61009 S, 61012 S

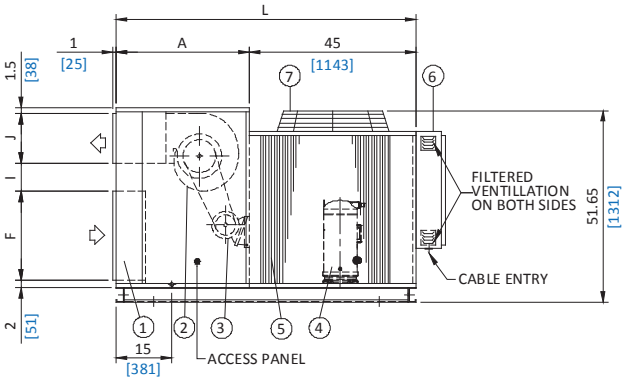
LEGEND

7-CONDENSER FAN
6-CONTROL PANEL
5-CONDENSER COIL
4-COMPRESSOR
3-FAN MOTOR
2-EVAPORATOR FAN
1-EVAPORATOR COIL

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST







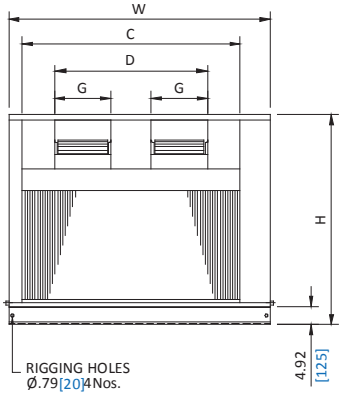
MODEL PACV	DIMENSIONS							
	H	L	A	C	F	J	G	I
51008 S 61009 S	52.44 [1332]	81 [2057]	36 [914]	40 [1016]	24 [610]	13.43 [341]	15.55 [395]	7.56 [192]
51010 S 61012 S	61.91 [1572]	85 [2159]	40 [1016]	44 [1118]	30 [762]	15.91 [404]	18.54 [471]	8.54 [217]

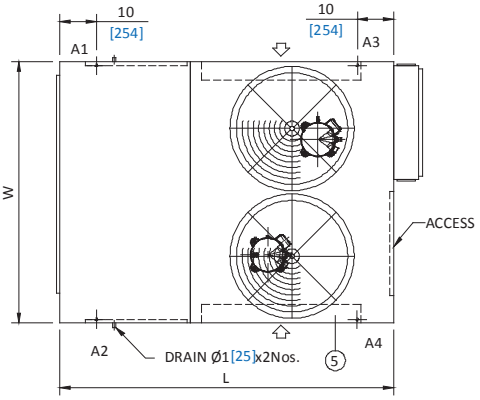
PACV Models: 51014 S - 52023 S & 61018 S - 62028 S

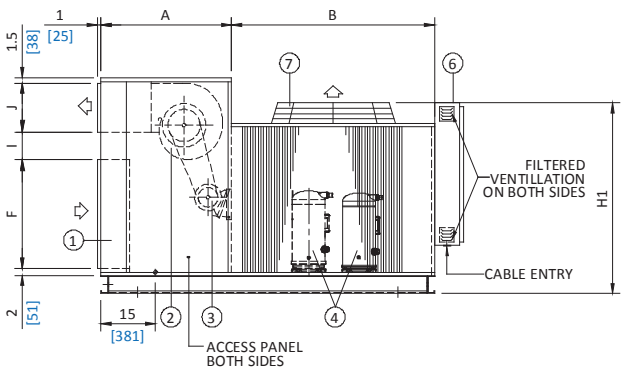
MODEL PACV	DIMENSIONS											
	H	W	H1	L	A	B	C	I	F	J	G	D
* 51014 S * 61018 S	59.41 [1509]	74 [1880]	52.63 [1337]	92 [2337]	36 [914]	56 [1422]	60 [1524]	7.56 [192]	30 [762]	13.43 [341]	15.55 [395]	43.67 [1109]
52015 S 62018 S	59.41 [1509]	74 [1880]	52.63 [1337]	92 [2337]	36 [914]	56 [1422]	60 [1524]	7.56 [192]	30 [762]	13.43 [341]	15.55 [395]	43.67 [1109]
* 51017 S * 61020 S	59.41 [1509]	76 [1930]	52.63 [1337]	92 [2337]	36 [914]	56 [1422]	65.4 [1661]	7.56 [192]	30 [762]	13.43 [341]	15.55 [395]	43.67 [1109]
52017 S 62020 S	59.41 [1509]	76 [1930]	52.63 [1337]	92 [2337]	36 [914]	56 [1422]	65.4 [1661]	7.56 [192]	30 [762]	13.43 [341]	15.55 [395]	43.67 [1109]
52020 S 62024 S	62.87 [1597]	84 [2134]	60.63 [1540]	96 [2438]	40 [1016]	56 [1422]	72 [1829]	8.54 [217]	30 [762]	15.91 [404]	18.54 [471]	52.28 [1328]
52023 S 62028 S	68.87 [1749]	84 [2134]	60.63 [1540]	98 [2489]	40 [1016]	58 [1473]	72 [1829]	8.54 [217]	36 [914]	15.91 [404]	18.54 [471]	52.28 [1328]

*MODEL WITH 1-COMPRESSOR

AVAILABLE ON REQUEST CERTIFIED DRAWINGS ARE







Dimensional Data

PACV Models: 52026 S - 52038 S & 62033 S - 62046 S

MODEL PACV	DIMENSIONS ARE IN INCHES [mm]								
	H	L	A	F	H1	J	G	D	I
52026 S 62033 S	72.87 [1851]	116 [2946]	40 [1016]	40 [1016]	60.63 [1540]	15.91 [404]	18.54 [471]	52.28 [1328]	8.54 [217]
52030 S 62036 S	80.87 [2054]	116 [2946]	40 [1016]	48 [1219]	60.63 [1540]	15.91 [404]	18.54 [471]	52.28 [1328]	8.54 [217]
52032 S 62037 S	80.87 [2054]	116 [2946]	40 [1016]	48 [1219]	60.63 [1540]	15.91 [404]	18.54 [471]	52.28 [1328]	8.54 [217]
*52038 S *62046 S	93.99 [2387]	119 [3023]	43 [1092]	56 [1422]	77.63 [1972]	18.82 [478]	21.93 [557]	61.85 [1571]	10.75 [273]

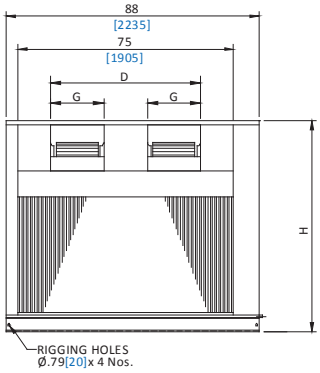
* MODEL WITH TANDEM COMPRESSORS

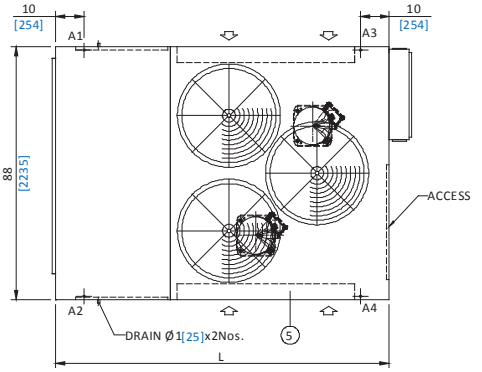
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

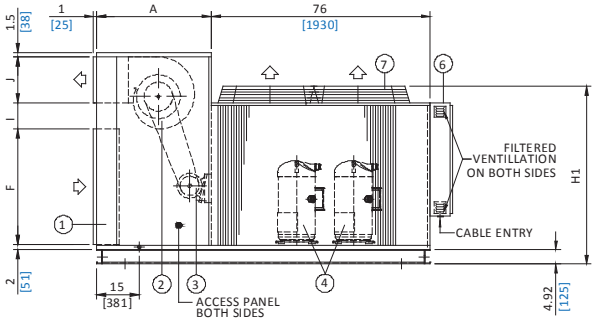
FROM THE MODELS 52038S/62046S, USING TANDEM COMPRESSORS

LEGEND

7 -CONDENSER FAN
6 -CONTROL PANEL
5 -CONDENSER COIL
4 -COMPRESSOR
3 -FAN MOTOR
2 -EVAPORATOR FAN
1 -EVAPORATOR COIL





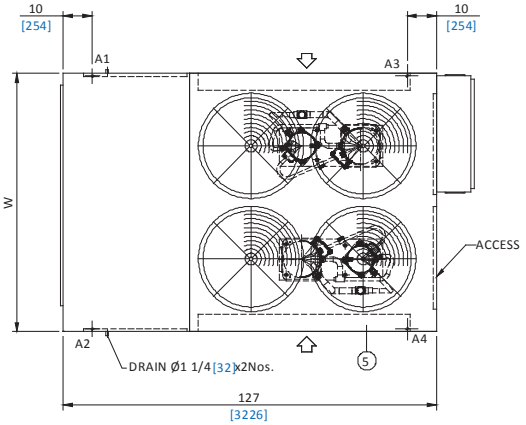


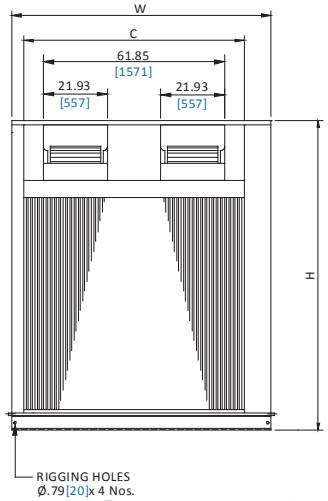
PACV Models: 52045 S - 52055 S & 62055 S - 62066 S

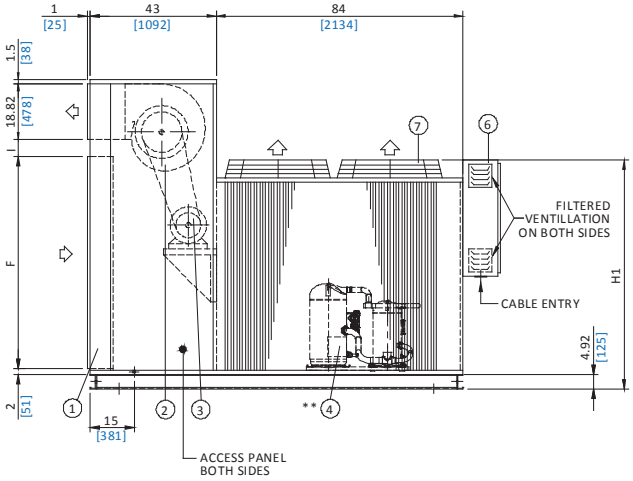
MODEL PACV	DIMENSIONS ARE IN INCHES [mm]					
	H	W	H1	C	F	I
52045 S 62055 S	99.24 [2521]	88 [2235]	77.63 [1972]	75 [1905]	66 [1676]	6 [152]
52050 S 62060 S	103.24 [2622]	88 [2235]	85.63 [2175]	75 [1905]	72 [1829]	4 [102]
52055 S 62066 S	103.24 [2622]	92 [2337]	85.63 [2175]	80 [2032]	72 [1829]	4 [102]

** TANDEM COMPRESSOR

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST



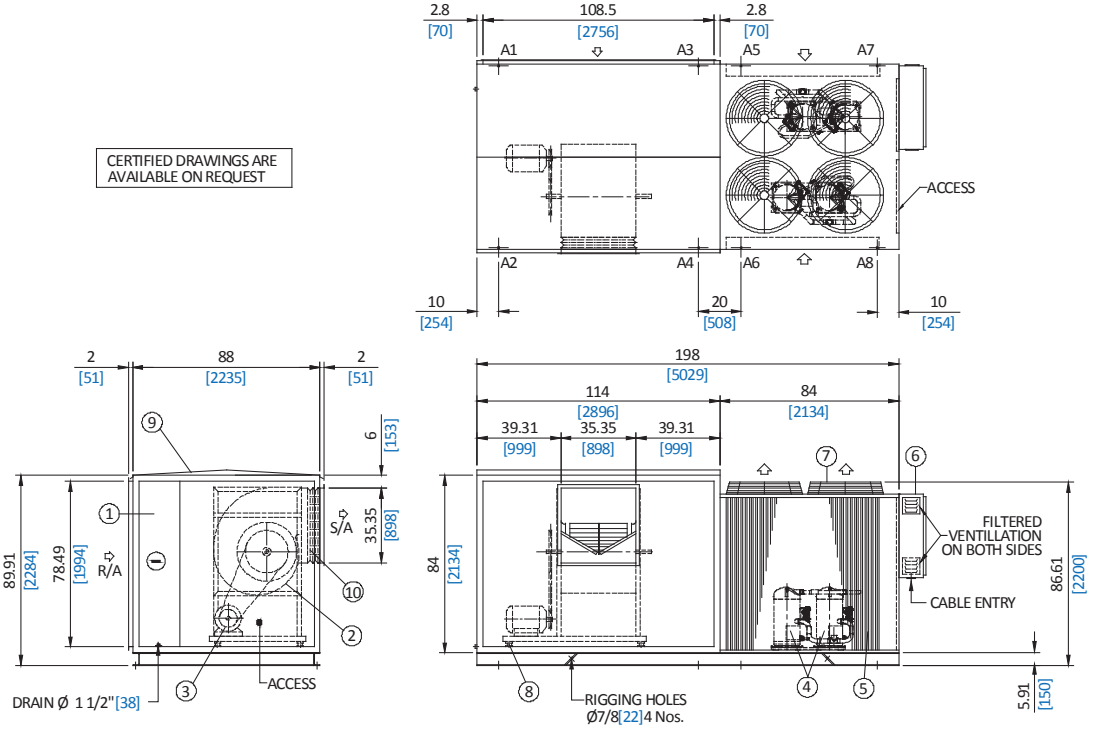




Dimensional Data

PACV Models: 52065 S & 62076 S

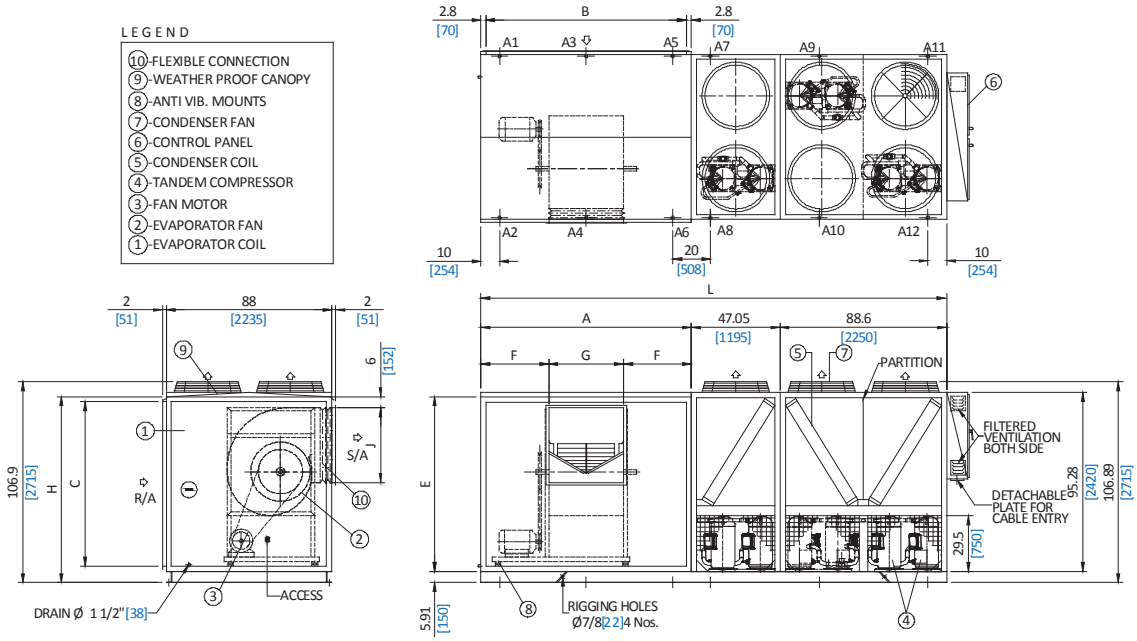
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST



PACV Models: 53070 S - 53095 S & 63085 S - 63110 S

LEGEND

(10)-FLEXIBLE CONNECTION
(9)-WEATHER PROOF CANOPY
(8)-ANTI VIB. MOUNTS
(7)-CONDENSER FAN
(6)-CONTROL PANEL
(5)-CONDENSER COIL
(4)-TANDEM COMPRESSOR
(3)-FAN MOTOR
(2)-EVAPORATOR FAN
(1)-EVAPORATOR COIL



MODEL PACV	DIMENSIONS ARE IN INCHES [MM]								
	L	A	B	E	F	H	J	G	C
53070 S 63085 S	249.6 [6341]	114 [2896]	108.5 [2756]	93 [2362]	37.17 [944]	98.94 [2513]	39.65 [1007]	39.65 [1007]	87.5 [2222]
53075 S 63090 S	249.6 [6341]	114 [2896]	108.5 [2756]	93 [2362]	37.17 [944]	98.94 [2513]	39.65 [1007]	39.65 [1007]	87.5 [2222]
53080 S 63095 S	249.6 [6341]	114 [2896]	108.5 [2756]	102 [2591]	37.17 [944]	107.91 [2741]	39.65 [1007]	39.65 [1007]	96.5 [2451]
53085 S 63100 S	253.6 [6441]	118 [2997]	112.5 [2857]	102 [2591]	36.76 [934]	107.91 [2741]	44.49 [1130]	44.49 [1130]	96.5 [2451]
53090 S 63105 S	259.6 [6594]	124 [3150]	118.5 [3010]	102 [2591]	39.76 [1010]	107.91 [2741]	44.49 [1130]	44.49 [1130]	96.5 [2451]
53095 S 63110 S	266.6 [6772]	131 [3327]	125.5 [3188]	102 [2591]	43.26 [1099]	107.91 [2741]	44.49 [1130]	44.49 [1130]	96.5 [2451]

Dimensional Data

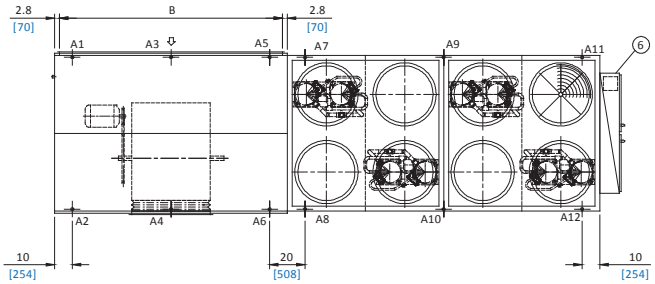
PACV Models: 54100 S - 54125 S & 64120 S - 64145 S

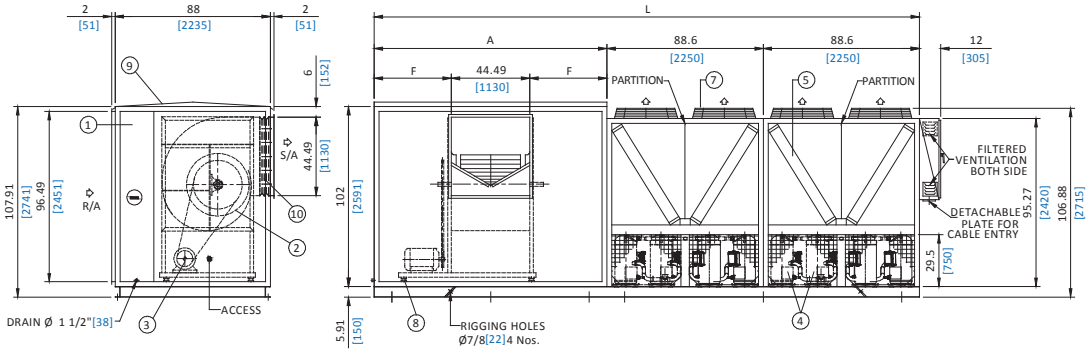
LEGEND

(10)-FLEXIBLE CONNECTION
(9)-WEATHER PROOF CANOPY
(8)-ANTI VIB. MOUNTS
(7)-CONDENSER FAN
(6)-CONTROL PANEL
(5)-CONDENSER COIL
(4)-COMPRESSOR
(3)-FAN MOTOR
(2)-EVAPORATOR FAN
(1)-EVAPORATOR COIL

MODEL PACV	DIMENSIONS ARE IN INCHES[mm]			
	L	A	B	F
54100 S 64120 S	311.2 [7904]	134 [3404]	128.5 [3264]	44.76 [1137]
54110 S 64130 S	315.2 [8006]	138 [3505]	132.5 [3365]	46.76 [1188]
54115 S 64136 S	321.2 [8158]	144 [3658]	138.5 [3518]	49.76 [1264]
54125 S 64145 S	329.2 [8362]	152 [3861]	146.5 [3721]	53.76 [1365]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST





LOADING POINTS - 50Hz

MODEL PACV	UNIT	Load at Each Point lbs. [Kg.]				TOTAL WEIGHT
		A1	A2	A3	A4	
51008-S	lb	214	215	309	311	1049
	Kg	97	97	140	141	476
51010-S	lb	242	243	334	336	1154
	Kg	110	110	152	152	524
51014-S	lb	462	461	578	550	2050
	Kg	209	209	262	249	930
52015-S	lb	503	493	607	605	2208
	Kg	228	224	275	274	1001
51017-S	lb	494	493	608	580	2175
	Kg	224	223	276	263	987
52017-S	lb	513	504	622	615	2254
	Kg	233	229	282	279	1023
52020-S	lb	549	536	657	654	2395
	Kg	249	243	298	297	1086
52023-S	lb	576	553	732	693	2553
	Kg	261	251	332	314	1158
52026-S	lb	699	689	873	871	3133
	Kg	317	312	396	395	1421
52030-S	lb	736	722	889	882	3228
	Kg	334	328	403	400	1464
52032-S	lb	737	725	894	891	3248
	Kg	334	329	405	404	1473
52038-S	lb	822	807	1011	1008	3648
	Kg	373	366	459	457	1655
52045-S	lb	969	934	1283	1207	4392
	Kg	439	424	582	547	1992

Table 17

LOADING POINTS - 60Hz

MODEL PACV	UNIT	Load at Each Point lbs. [Kg.]				TOTAL WEIGHT
		A1	A2	A3	A4	
61009-S	lb	221	221	312	313	1067
	Kg	100	100	141	142	484
61012-S	lb	256	256	338	340	1190
	Kg	116	116	153	154	540
61018-S	lb	472	472	581	553	2078
	Kg	214	214	263	251	942
62018-S	lb	513	503	610	608	2235
	Kg	233	228	277	276	1014
61020-S	lb	505	503	612	584	2204
	Kg	229	228	278	265	1000
62020-S	lb	523	515	625	618	2282
	Kg	237	233	284	280	1035
62024-S	lb	563	551	663	661	2438
	Kg	255	250	301	300	1106
62028-S	lb	591	568	756	718	2634
	Kg	268	258	343	326	1195
62033-S	lb	720	710	883	881	3195
	Kg	327	322	401	400	1449
62036-S	lb	760	747	899	891	3297
	Kg	345	339	408	404	1495
62037-S	lb	791	776	909	906	3383
	Kg	359	352	412	411	1534
62046-S	lb	850	835	1021	1018	3723
	Kg	386	379	463	462	1689
62055-S	lb	1088	1054	1350	1274	4767
	Kg	494	478	612	578	2162

Table 18

LOADING POINTS - 50Hz

MODEL PACV	UNIT	LOADING POINTS												TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	
52050-S	lb	1004	987	1360	1357	-	-	-	-	-	-	-	-	4708
	Kg	456	448	617	615	-	-	-	-	-	-	-	-	2135
52055-S	lb	1153	1134	1391	1378	-	-	-	-	-	-	-	-	5056
	Kg	523	514	631	625	-	-	-	-	-	-	-	-	2294
52065-S	lb	960	1026	566	633	983	983	1284	1284	-	-	-	-	7720
	Kg	435	465	257	287	446	446	583	583	-	-	-	-	3502
53070-S	lb	683	467	777	661	604	397	600	824	1046	876	793	1030	8758
	Kg	310	212	353	300	274	180	272	374	475	397	360	467	3973
53075-S	lb	687	471	781	665	607	401	626	894	1148	944	821	1105	9149
	Kg	312	213	354	302	275	182	284	406	521	428	372	501	4150
53080-S	lb	719	478	813	673	640	408	634	902	1156	952	828	1112	9316
	Kg	326	217	369	305	290	185	288	409	524	432	376	505	4226
53085-S	lb	752	503	882	755	673	435	676	944	1210	1009	879	1176	9895
	Kg	341	228	400	343	305	197	307	428	549	458	399	533	4488
53090-S	lb	770	509	908	766	691	436	682	950	1241	1023	885	1182	10045
	Kg	349	231	412	347	313	198	310	431	563	464	401	536	4556
53095-S	lb	808	529	937	777	716	444	693	967	1249	1033	893	1190	10236
	Kg	366	240	425	353	325	201	314	439	567	469	405	540	4643
54100-S	lb	954	665	1119	943	865	582	917	1298	1505	1513	1097	1339	12796
	Kg	433	302	507	428	392	264	416	589	683	686	497	607	5804
54110-S	lb	974	675	1139	953	885	591	956	1336	1584	1587	1144	1399	13222
	Kg	442	306	516	432	401	268	433	606	719	720	519	635	5998
54115-S	lb	993	680	1158	957	904	596	962	1345	1603	1604	1151	1404	13357
	Kg	451	308	525	434	410	270	436	610	727	728	522	637	6059
54125-S	lb	1028	694	1189	968	929	602	976	1375	1613	1622	1157	1410	13564
	Kg	466	315	539	439	422	273	443	624	732	736	525	640	6153

Table 19

LOADING POINTS - 60Hz

MODEL PACV	UNIT	Load at Each Point lbs. [Kg.]												TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	
62060-S	lb	1152	1133	1501	1497	-	-	-	-	-	-	-	-	5282
	Kg	522	514	681	679	-	-	-	-	-	-	-	-	2396
62066-S	lb	1226	1205	1526	1513	-	-	-	-	-	-	-	-	5470
	Kg	556	546	692	686	-	-	-	-	-	-	-	-	2481
62076-S	lb	1019	1086	568	634	995	995	1365	1365	-	-	-	-	8027
	Kg	462	492	258	288	451	451	619	619	-	-	-	-	3641
63085-S	lb	729	468	822	662	649	398	609	832	1059	889	804	1040	8963
	Kg	331	212	373	300	294	181	276	378	481	403	365	472	4066
63090-S	lb	732	472	826	666	652	402	635	903	1161	957	832	1116	9354
	Kg	332	214	375	302	296	182	288	410	527	434	377	506	4243
63095-S	lb	770	480	863	674	690	410	643	911	1169	965	840	1124	9538
	Kg	349	218	392	306	313	186	292	413	530	438	381	510	4327
63100-S	lb	804	505	934	757	725	436	685	953	1224	1022	890	1187	10122
	Kg	365	229	424	343	329	198	311	432	555	464	404	538	4592
63105-S	lb	826	511	964	767	746	438	691	959	1254	1036	896	1193	10282
	Kg	374	232	437	348	339	199	314	435	569	470	406	541	4664
63110-S	lb	867	530	996	779	775	445	702	976	1263	1047	904	1201	10485
	Kg	393	241	452	353	351	202	318	443	573	475	410	545	4756
64120-S	lb	1014	667	1179	944	925	583	928	1309	1526	1534	1108	1350	13069
	Kg	460	302	535	428	420	264	421	594	692	696	503	613	5928
64130-S	lb	1036	677	1201	954	947	593	971	1358	1605	1608	1152	1400	13502
	Kg	470	307	545	433	429	269	440	616	728	729	523	635	6124
64136-S	lb	1058	681	1223	959	969	598	973	1356	1624	1625	1162	1416	13645
	Kg	480	309	555	435	440	271	441	615	737	737	527	642	6189
64145-S	lb	1098	696	1259	970	999	604	988	1386	1634	1643	1168	1422	13867
	Kg	498	316	571	440	453	274	448	629	741	745	530	645	6290

Table 20

Optional Modular Construction

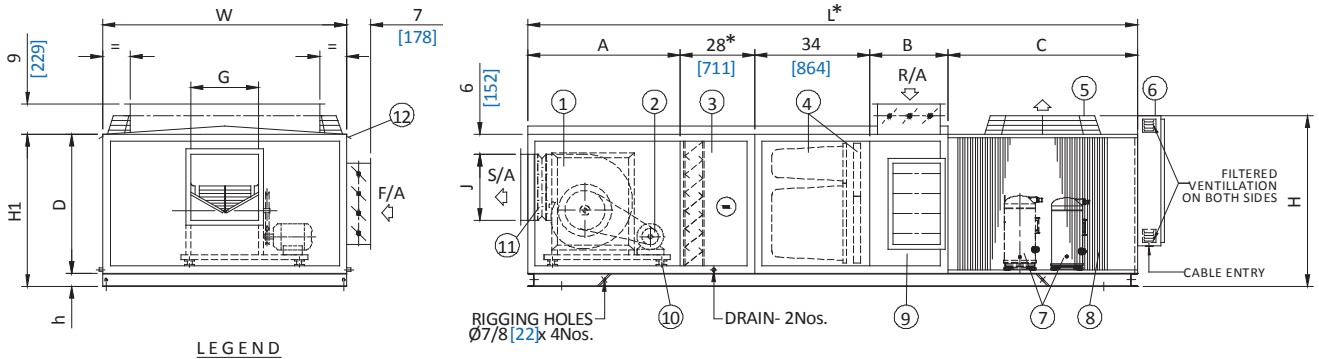
PACV Models: 51008 S / 61009 S to 52055 S & 62066 S

As an option, listed models can be produced as modular sections as per details given below.

- Mixing Box based on 75% R.A. and 25% F.A.
- Evaporator Fan is Forward Curved, type.
- 22" (559 mm) thick bag filter.
- 2" (50 mm) thick flat filter.
- Base frame size could be changed based on the components and application. Panel thickness is 1" (25 mm).

TYPICAL LAYOUT

55MM PENTA POST CONSTRUCTION 25MM THICK PANELS



LEGEND

1 EVAPORATOR FAN	4 FLAT + BAG FILTER	7 COMPRESSOR	10 ANTI VIBRATION MOUNTS
2 EVAPORATOR FAN MOTOR	5 CONDENSER FAN	8 CONDENSER COIL	11 FLEXIBLE CONNECTION
3 EVAP. COIL+ELIMINATOR	6 CONTROL PANEL	9 MIXING BOX	12 WEATHER PROOF CANOPY

* IF ELIMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH

** FROM THE MODELS 51028D/61033D to 52055D/62064D DRAIN CONNECTION (FTP TYPE) TO BE INTEGRATED INSIDE THE UNIT.

*** FROM 52038 S/62046 S to 52055 S/62066 S USING TANDEM COMPRESSORS

MODEL PACV	ALL DIMENSIONS ARE IN INCHES [MM]												CABLE ENTRY	EVAP.FAN
	L	W	H	H1	D	h	A	B	C	J	K	DRAIN Ø	CONTROL / POWER	
51008 S 61009 S	159 [4039]	56 [1422]		39.94 [1014]	36 [914]		34 [867]	18 [457]	45 [1143]	15.91 [404]	15.91 [404]		Ø3/4 [19] / Ø1 [25]	ADH 315R
51010 S 61012 S	165 [4191]	58 [1473]												
51014 S 61018 S		72 [1829]	51.65 [1312]											
52015 S 62018 S				45.94 [1167]	42 [1067]	3.94 [100]		24 [610]						ADH 400R
51017 S 61020 S	187 [4750]	76 [1930]					45 [1143]		56 [1422]	19.96 [507]	19.96 [507]	1 [25]	Ø1 [25] / Ø1.5 [38]	
52017 S 62020 S														
52020 S 62024 S		84 [2134]	59.65 [1515]							22.40 [569]	22.40 [569]			ADH 450R
52023 S 61028 S	195 [4953]			51.94 [1319]	48 [1219]			30 [762]	58 [1473]					
52026 S 62033 S	220 [5580]	88 [2235]	60.63 [1540]	56.92 [1446]	52 [1321]	4.92 [125]	52 [1321]		76 [1930]	25.12 [638]	25.12 [638]		Ø1 [25] / Ø2 [51]	ADH 500R
52030 S 62036 S				64.92 [1649]	60 [1524]					28.15 [715]	28.15 [715]	1 1/4 [32]		ADH 560R
52032 S 62037 S														
52038 S 62046 S	232 [5893]		77.63 [1972]	72.92 [1852]	68 [1727]		58 [1473]	36 [914]		31.54 [801]	31.54 [801]			ADH 630R
52045 S 62055 S	246 [6248]			82.92 [2106]	78 [1981]			42 [1067]	84 [2134]					
52050 S 62060 S	258 [6553]		85.63 [2175]	88.92 [2259]	84 [2134]		70 [1778]			35.35 [898]	35.35 [898]			ADH 710R
52055 S 62066 S		92 [2337]												

Table 21

Optional Modular Construction

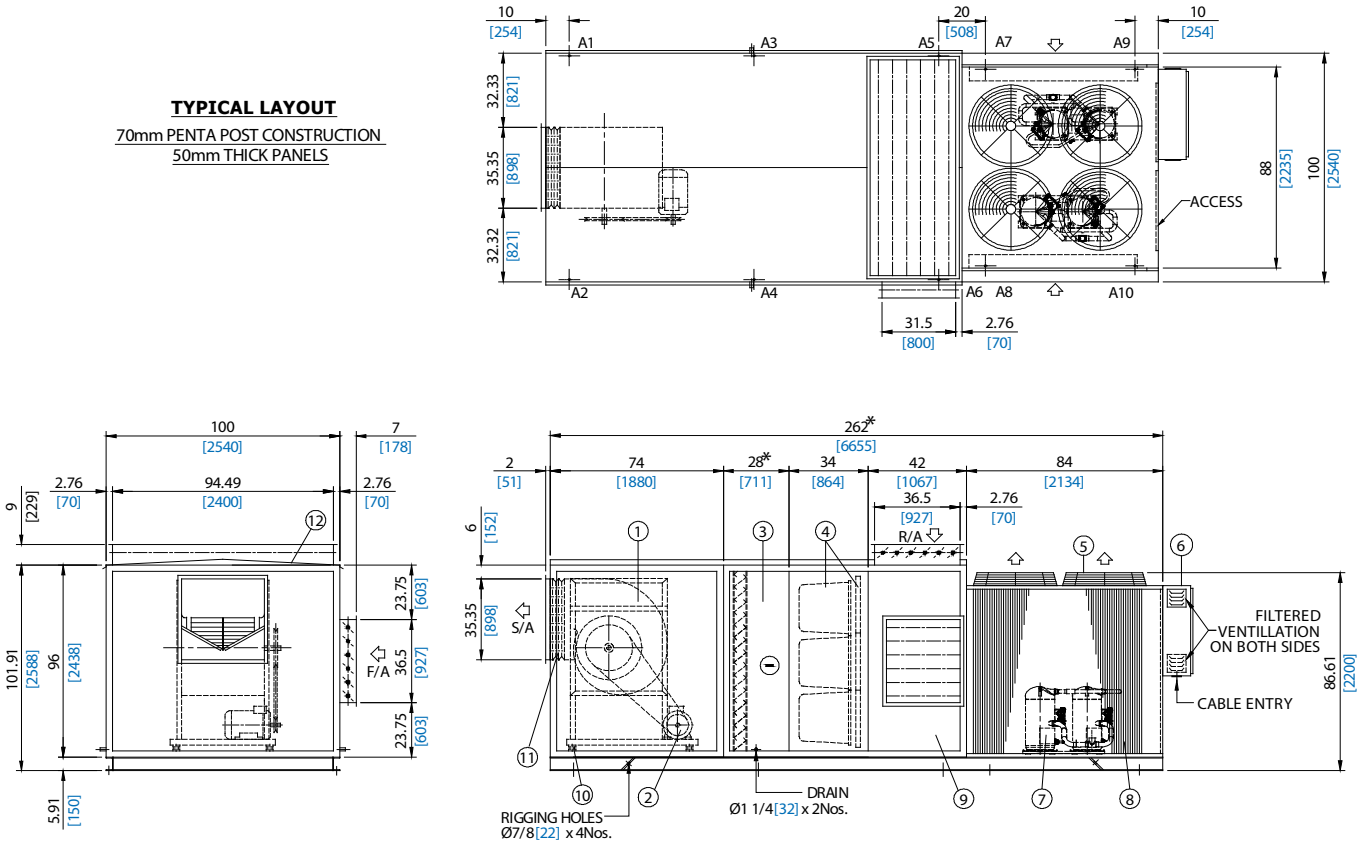
PACV Models: 52065 S / 62076 S

As an option, listed models can be produced as modular sections as per details given below.

- Mixing Box based on 75% R.A. and 25% F.A.
- Evaporator Fan is Forward Curved, type.
- 22” (559 mm) thick bag filter.
- 2” (50 mm) thick flat filter.
- Base frame size could be changed based on the components and application. Panel thickness is 1” (25 mm).

TYPICAL LAYOUT

70mm PENTA POST CONSTRUCTION
50mm THICK PANELS



*IF ELIMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH.

LEGEND

① EVAPORATOR FAN	④ FLAT + BAG FILTER	⑦ COMPRESSOR	⑩ ANTI VIBRATION MOUNTS
② EVAPORATOR FAN MOTOR	⑤ CONDENSER FAN	⑧ CONDENSER COIL	⑪ FLEXIBLE CONNECTION
③ EVAP. COIL+ELIMINATOR	⑥ CONTROL PANEL	⑨ MIXING BOX	⑫ WEATHER PROOF CANOPY

Optional Modular Construction

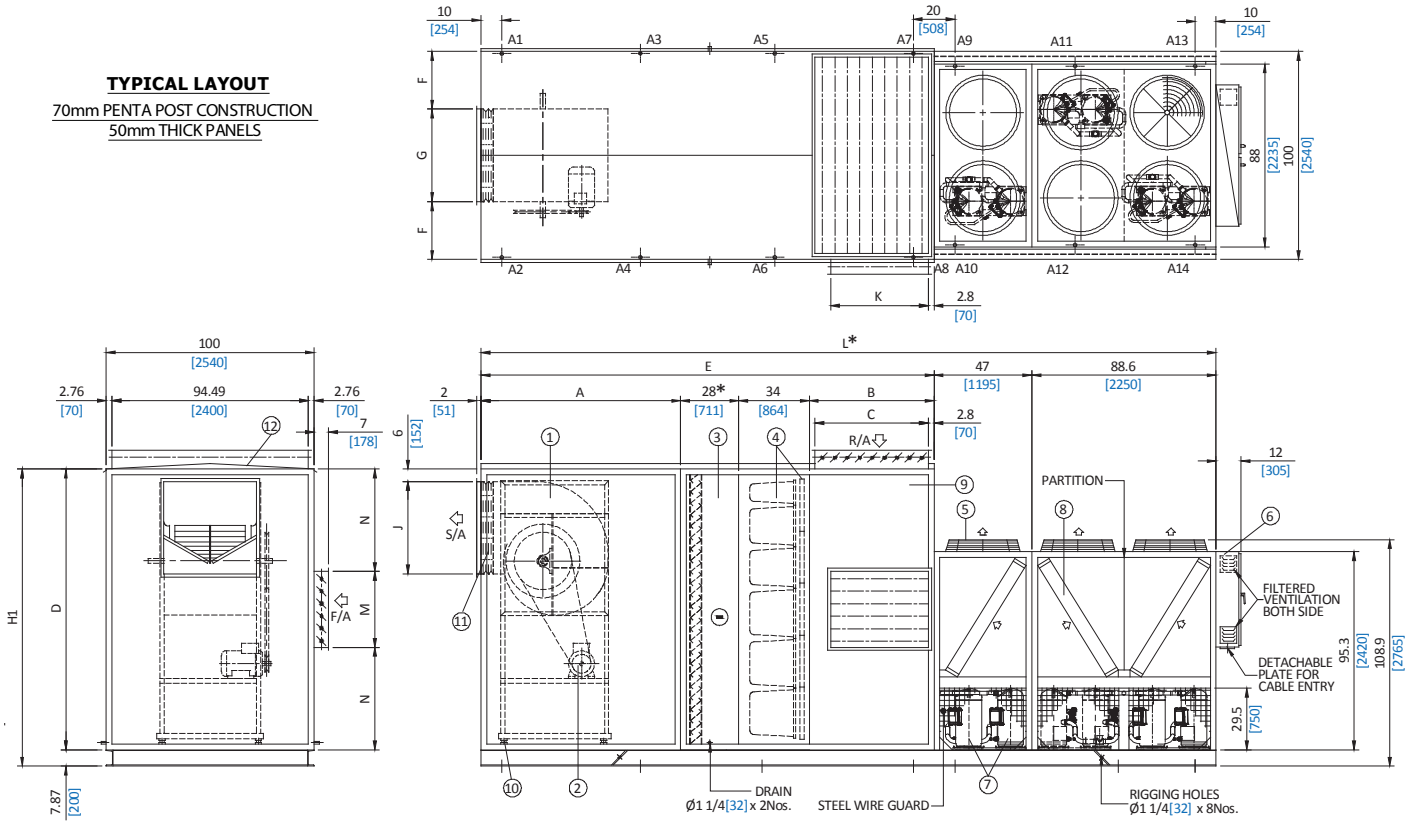
PACV Models: 53070 S / 63085 S - 53095 S & 63110 S

As an option, listed models can be produced as modular sections as per details given below.

- Mixing Box based on 75% R.A. and 25% F.A.
- Evaporator Fan is Forward Curved, type.
- 22" (559 mm) thick bag filter.
- 2" (50 mm) thick flat filter.
- Base frame size could be changed based on the components and application. Panel thickness is 2" (50 mm).

TYPICAL LAYOUT

70mm PENTA POST CONSTRUCTION
50mm THICK PANELS



ALL DIMENSIONS ARE IN INCHES[mm]

* IF ELIMINATOR IS NOT REQUIRED, REDUCE THE SECTION LENGTH BY 6 INCH.

LEGEND

(1) EVAPORATOR FAN	(5) CONDENSER FAN	(9) MIXING BOX
(2) EVAPORATOR FAN MOTOR	(6) CONTROL PANEL	(10) ANTI VIBRATION MOUNTS
(3) EVAP. COIL+ELIMINATOR	(7) COMPRESSOR	(11) FLEXIBLE CONNECTION
(4) FLAT + BAG FILTER	(8) CONDENSER COIL	(12) WEATHER PROOF CANOPY

MODEL PACV	DIMENSIONS													EVAP.FAN
	H1	D	L	A	B	C	E	F	G	J	K	M	N	
53070 S 63085 S	115.87 [2943]	108 [2743]	329.6 [8373]	84 [2134]	48 [1219]	42.5 [1080]	194 [4928]	30.18 [767]	39.65 [1007]	39.65 [1007]	31.5 [800]	42.5 [1080]	32.75 [832]	ADH-800K
53075 S 63090 S	115.87 [2943]	108 [2743]	329.6 [8373]	84 [2134]	48 [1219]	42.5 [1080]	194 [4928]	30.18 [767]	39.65 [1007]	39.65 [1007]	31.5 [800]	42.5 [1080]	32.75 [832]	
53080 S 63095 S	124.87 [3172]	117 [2972]	335.6 [8525]	84 [2134]	54 [1372]	48.5 [1232]	200 [5080]	30.18 [767]	39.65 [1007]	39.65 [1007]	36 [914]	42.5 [1080]	37.25 [946]	
53085 S 63100 S	127.87 [3248]	120 [3048]	347.6 [8830]	96 [2438]	54 [1372]	48.5 [1232]	212 [5385]	27.76 [705]	44.49 [1130]	44.49 [1130]	36 [914]	42.5 [1080]	37.75 [984]	ADH-900K
53090 S 63105 S	133.87 [3400]	126 [3200]	353.6 [8982]	96 [2438]	60 [1524]	54.5 [1384]	218 [5537]	27.76 [705]	44.49 [1130]	44.49 [1130]	47 [1194]	36.5 [927]	44.75 [1137]	
53095 S 63110 S	142.87 [3629]	135 [3429]	353.6 [8982]	96 [2438]	60 [1524]	54.5 [1384]	218 [5537]	27.76 [705]	44.49 [1130]	44.49 [1130]	47 [1194]	36.5 [927]	49.25 [1251]	

Table 22

Optional Overlapped evaporator coil design

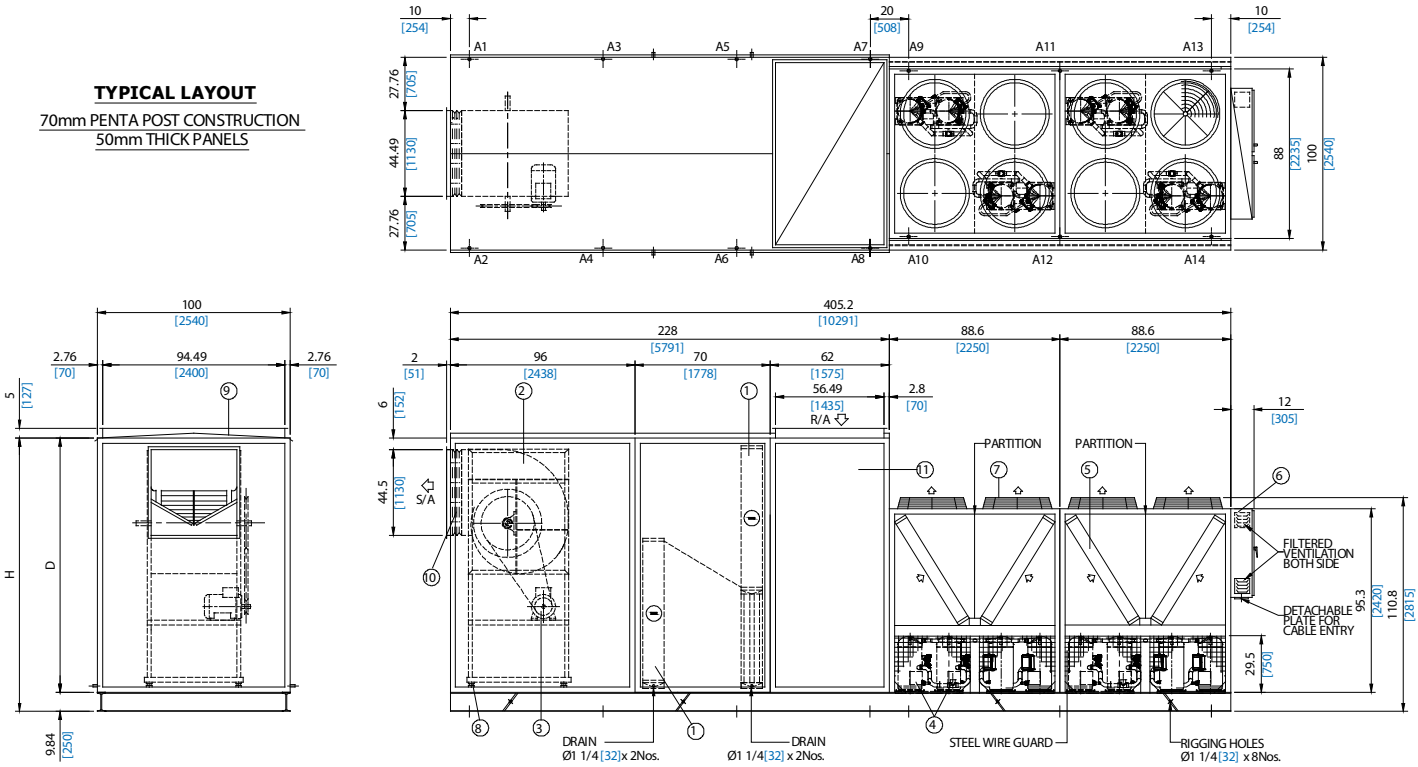
PACV Models: 54100 S / 64120 S - 54125 S & 64145 S

As an option, listed models can be produced as overlapped evap. coils design with front discharge fan as per details given below.

- 100% Return air box.
- Evaporator Fan Forward Curved, type.
- Base frame size could be changed based on the components and application. Panel thickness is 2" (50 mm)
- Total length of the unit will be depending on the required sections, (e.g: filters, mixing box, eliminators, electric heaters etc...)

TYPICAL LAYOUT

70mm PENTA POST CONSTRUCTION
50mm THICK PANELS



DIMENSIONS	MODELS PACV-			
	54100S/64120S	54110S/64130S	54115S/64136S	54125S/64145S
D	117 [2972]	119.5 [3035]	124.5 [3162]	132 [3353]
H	126.84 [3222]	129.34 [3285]	134.34 [3412]	141.84 [3603]

ALL DIMENSIONS ARE IN INCHES [mm]

LEGEND

(1) EVAPORATOR COILS	(3) EVAPORATOR FAN MOTOR	(5) CONDENSER COIL	(7) CONDENSER FAN
(2) EVAPORATOR FAN	(4) COMPRESSOR	(6) CONTROL PANEL	(8) ANTI VIBRATION MOUNTS
(9) WEATHER PROOF CANOPY	(11) RETURN AIR BOX		
(10) FLEXIBLE CONNECTION			

Location and Space Requirements

Due to the vertical air flow discharge condenser design, it is recommended that certain precautions are to be taken before installation. There should be no obstruction on the air flow.

Orient the unit so that prevailing winds blow parallel to the unit length thus minimizing the effects on condensing pressure. If it is not practical to orient the unit in this manner, a wind deflecting shield should be considered.

It is also necessary to provide adequate clearance on all sides of the unit for service access and satisfactory performance. This will prevent excessive condensing temperatures and enhance system performance and operating economy.

A flat concrete foundation or floor which can support the weight of the equipment must be provided as the unit must be level for proper operation and functioning of controls.

Under certain critical conditions it is recommended that vibration isolators of rubber-in-shear or spring type be installed under the base.

The isolators must be designed for the operating weight of the unit. For operating load points refer to Loading Points Data (page No.32&33). Correct selection of types of isolators depends upon application and structure.

Model PACV		A	B	C
51008-S	61009-S	50	52	60
51010-S	61012-S			
51014-S	61018-S	66		
52015-S	62018-S			
51017-S	61020-S	72		
52017-S	62020-S			
52020-S	62024-S	78		72
52023-S	62028-S		54	
52026-S	62033-S	82	66	
52030-S	62036-S			
52032-S	62037-S			
52038-S	62046-S			96
52045-S	62055-S		78	
52050-S	62060-S			108
52055-S	62066-S	86		
52065-S	62076-S	78	104	-
53070-S	63085-S	84		
53075-S	63090-S			
53080-S	63095-S			
53085-S	63100-S		108	
53090-S	63105-S		114	
53095-S	63110-S		121	
54100-S	64120-S		124	
54110-S	64130-S		128	
54115-S	64136-S		134	
54125-S	64145-S		142	

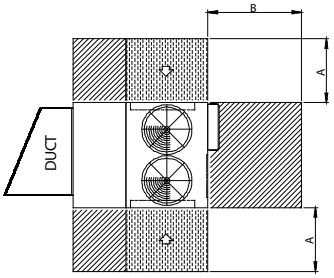
ALL DIMENSIONS ARE IN INCHES

Table 23

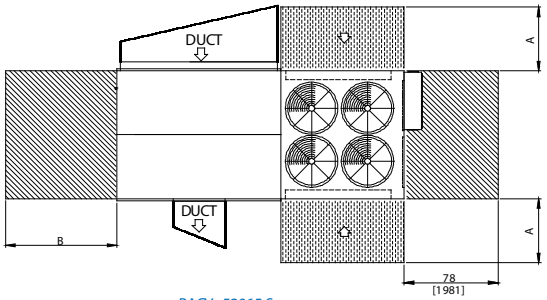
Single Unit Installation

SPACING FOR SERVICE

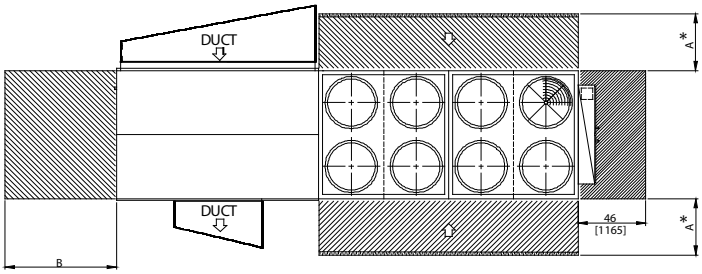
SPACING FOR AIR FLOW



PACV- 51008 S TO 52055 S
PACV- 61009 S TO 62066 S



PACV- 52065 S
PACV- 62076 S



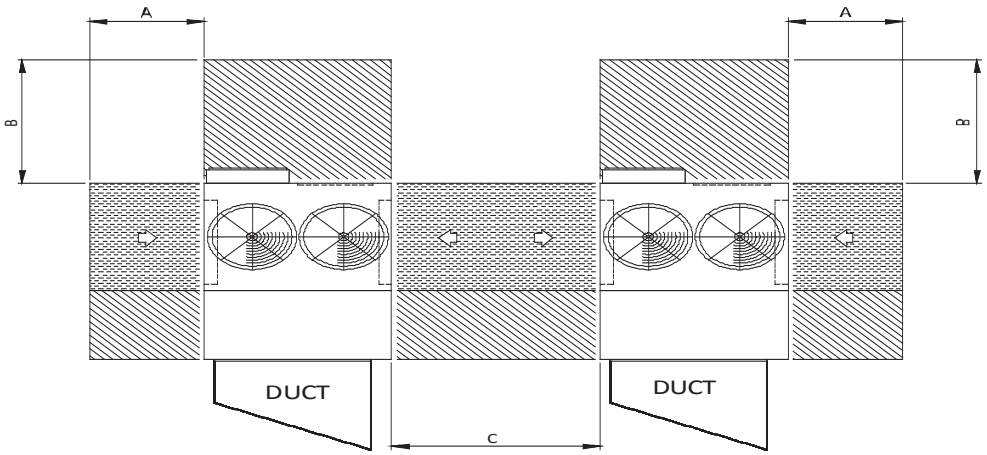
PACV- 53070 S TO 54125 S
PACV- 63085 S TO 64145 S

* SPACING FOR BOTH AIR FLOW AND SERVICE

Multple UnitInstallaion

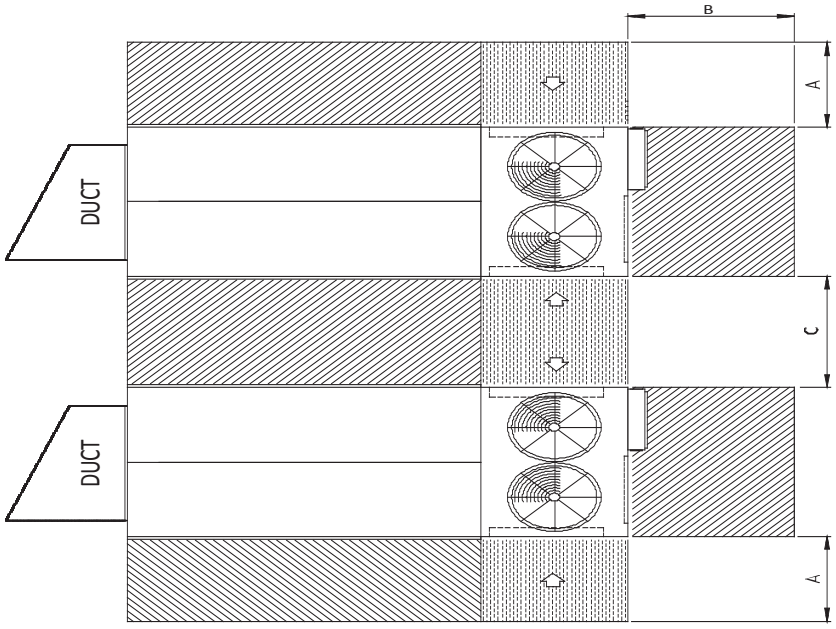
SPACING FOR SERVICE

SPACING FOR AIR FLOW



PACV- 51008 S TO 52055 S
PACV- 61009 S TO 62066 S

Multple UnitInstallaion(Modular Construcion)



PACV- 51008 S TO 52055 S
PACV- 61009 S TO 62066 S

GUIDE SPECIFICATIONS

GENERAL FEATURES

Packaged air conditioners shall be composed of compressor(s), condenser coil(s), evaporator coil, expansion valve(s), connecting piping, all necessary liquid line accessories and safety controls.

Unit shall be factory assembled, internally wired, fully refrigerant charged with R-134a and thoroughly tested before delivery. Units should be capable to operate from 50°F (10°C) to 125°F (52°C) ambient temperature, and shall be rated in accordance with ARI 340-360 standards.

CONDENSER COIL(S)

Coil shall be air cooled with integral sub-cooling circuit, constructed of seamless copper tubes 3/8" OD mechanically bonded to wavy Aluminium (Copper) fins with maximum14 FPI (1.8mm) spacing. Coil shall be tested against leakage by pressurizing air at 450 psig (3100 kPa) in coil, under water, cleaned and dehydrated at the factory.

COMPRESSOR(S)

Compressor shall be hermetic scroll, refrigerant gas cooled furnished with internal overload protection device, crankcase heater, and shall be mounted on rubber isolators.

CONDENSER FAN(S) & MOTOR(S)

The machine shall be furnished with direct driven propeller type discharging air upward condenser fans. Fans shall be constructed of corrosion resistant blades such as heavy gauge aluminum. The fan and drive shall be held in proper alignment. Fan assemblies shall be provided with heavy gauge, rust resistant steel wire fan guard. All condenser fans shall be individually, statically, and dynamically balanced for vibration free operation.Motors shall be Totally Enclosed Air Over (TEAO), 6 poles, class F insulation, minimum IP55 protection and factory wired to unit control panel.

EVAPORATOR COIL

Evaporator coil shall be constructed of seamless copper tubes mechanically bonded to aluminum (copper) cross-wave fins with maximum 12FPI (2.1mm) spacing. Coil consists of headers of seamless copper tubing, thermostatic expansion valve(s) & multi-circuited distributor(s). These coils shall be tested against leakage by air pressure of 300 psig (2068 kPa) under water, cleaned & dehydrated at the factory. Coil shall conform to AHRI-410.

EVAPORATOR FAN & MOTOR

Evaporator fan shall be forward curved, double inlet double width (DIDW) centrifugal type, statically and dynamically balanced, mounted on single heavy duty shaft with permanently lubricated bearings and belt driven by "V" belts with an adjustable variable pitch motor pulley up to 15 kW. Above 15 kW fixed pulleys shall be standard. Variable pitch pulleys shall be provided above 15 kW motors, if so specified.

Motor shall be totally enclosed fan cooled (TEFC) 4 poles, class F insulated, minimum IP55 protected and factory wired to unit control panel.

REFRIGERANT PIPING

The refrigerant circuit piping shall be fabricated from ACR grade copper piping, with 1, 2, 3, or 4 refrigeration circuits, each liquid line shall include shut off valve, filter drier, sight glass, solenoid valve and thermostatic expansion valve.

Suction line shall be insulated with ½" (12mm) wall thickness enclosed cell pipe insulation with maximum K factor 0.28 Btu.in /ft^2 .h.°F. (0.040 W/mK).

CASING

Unit casing shall be made of zinc coated galvanized steel sheets conforming to JIS-G3302 and ASTMA653 which shall be phosphatized and then electrostatically dry powder coated of approx.60 microns to provide an extremely tough, scratch resistance, excellent anti-corrosive protection that can pass 1000 hrs in 5% salt spray testing at 95°F (35°C) and 95% relative humidity as per ASTM B117.

Evaporator section shall be sealed with vinyl gaskets and completely insulated faced with black glass tissue (BGT) heavy density, fire retardant, 32 Kg/m^3 density having Max. K factor 0.23 Btu.in /ft^2 .h.°F (0.033 W/mK) and permanent odorless fibre glass insulation of minimum 1" (25mm) thickness for models up to **PACV**-52055S & 62066S and 2" (50mm) thickness for models **PACV**-52065S & 62076S onwards. Unit casing shall be provided with access panels for easy service and maintenance of all units parts.

GUIDE SPECIFICATIONS

FILTERS

Units shall be supplied with a range of filter sections with flat filter or vee filter 1" or 2" thick, with 54% or 72% dust arrestance, respectively, in accordance with ASHRAE 52.2, if so specified.

A bag filter section to house 22", 30", or36" deep bag filters having efficiency as desired shall be provided, if so specified.

High efficiency pleat filter shall be provided as an alternative to bag filter, if so specified.

For 100%, Fresh Air application, a sand trap louver shall be provided, if so specified.

CONTROL PANEL

The unit mounted control panel enclosure shall be fabricated out of heavy gauge sheet steel in phosphatized powder coated baked finish. The enclosure shall conform to IP54 as per guidelines in IEC 529. A hinged access door and key-fastener shall be provided for easy access and security. The panel shall be factory wired in accordance with NEC 430 & 440, labeled, tagged and features 220V / 240V controls and shall include the following as a minimum.

- All compressors shall be with DOL starting.
- Individual compressor, condenser fan motors and evaporator fan motor contactors.
- Motor protector circuit breaker for condenser and evaporator fan motors.
- Voltage monitoring module for protection against under voltage, over voltage, phase loss, phase reversal and phase unbalance of the incoming voltage.
- Control circuit breaker.
- Control circuit on/off switch.
- Microprocessor control boards.
- Control Relays.
- Power and control terminal blocks.

MICROPROCESSOR CONTROL

Package units shall be equipped with a full function microprocessor based controller as a standard feature. The controller shall be factory programmed for the control of evaporator fan, compressors and condenser fans. The controller shall come with a built in keypad and display for simple but meaningful man machine interface. This controller shall provide complete operational control for the unit and shall have built-in auto diagnostic capability that can signal normal operation or alarm conditions as well as shutting down the unit or system if necessary.

The controller shall come with a loose supplied sleek and elegant design room unit for installing in the conditioned space. Communication between unit controller and room unit shall be through two wire interface.

The communication cable shall be 2 core, twisted pair, unscreened with stranded conductors. (As per KNX specification). Maximum distance between room unit and controller shall be 700 meters. The room unit shall have a built in sensor for measuring the room temperature. It shall transmit room temperature, set point, unit operating mode, operating schedule etc. to the unit controller. Control of the compressors shall be based on room temperature and the set point, as standard. Control based on duct temperature shall be available if required.

The Main Features of the controller shall be as follows:

- Built in LCD display with back light.
- Built in keypad.
- Battery backed up built in real time clock.
- Multiple authorization level to provide tight security for the control system.
- Capacity control based on room temperature or return air temperature.
- Alarm history.
- A sleek & elegant design room unit.

DISPLAY INFORMATION

The package units shall offer an LCD display which will allow the operator to access different parameters of the unit. Operator shall be able to view and change the unit parameters. The display information shall include:

- Status
- Outputs
- Inputs
- Alarms
- Set points
- Password

The intelligent microprocessor based controller shall monitor all the safeties related to the unit and makes the necessary protections, by shutting down the entire unit or the effected circuit. The protections shall include:

- Low suction pressure.
- High discharge pressure.
- High compressor motor temperature.
- Compressor short cycling.
- Evaporator fan motor overload.

Volt free contacts for run status, common fault status, auto mode status and provision for remote on/off shall be available as option.

In addition, the unit microprocessor shall be able to support the major BMS protocols such as BACnet, Modbus & LON as option.

NOTES

NOTES

NOTES

اجهـــزة تكييـــف هـــواء
AIR CONDITIONING EQUIPMENT

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