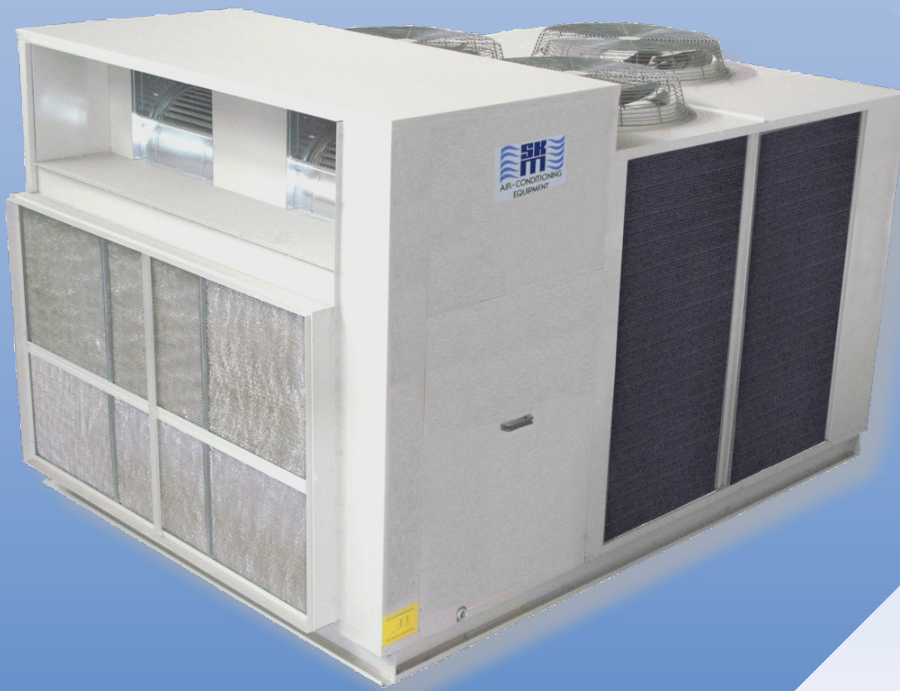


R-22

PACF Series

Packaged Air Conditioners



Range 12 TR to 119 TR
(41 kW to 417 kW)



اجهزة تكييف هواء
AIR CONDITIONING EQUIPMENT

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Sharjah Economic Excellence
Award winner

SKM Packaged Airconditioning Units

PACF Series - R-22

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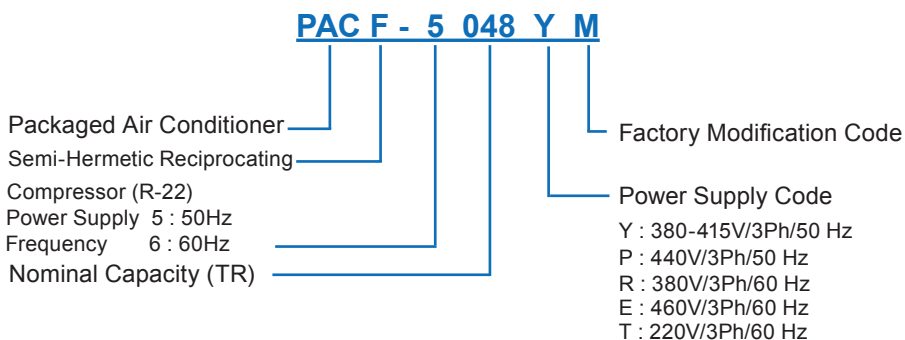
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Legend

The following legends are used throughout this manual:

AFR.....Air Flow Rate	MBh.....BTUH x 1000
BPF.....By-pass Factor	Ph.....Phase
C.Cap....Cooling Capacity	Pa.....Pascal
CFM..... Cubic feet per minute	PD.....Pressure Drop
EER.....Energy Efficiency Ratio	PI.....Compressor Power Input in kW
Hz.....Hertz	RPM.....Revolutions per Minute
in.wg.....inches of water gauge	RPS.....Rated Power Supply
kW.....Kilowatt	TR.....Tons of refrigeration = 12 MBh
Kg.....Kilogram	V.....Volts
lbs.....Pounds weight (British units)	FPI.....Fins per Inch
L/s.....Liters per second	

Nomenclature



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 **PACF** Series Packaged Air Conditioners are designed and manufactured to meet the requirements of the Gulfs severe climatic conditions and are built specifically for outdoor installations, either on ground or roof level.

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

PACF Series Air cooled package (semi-hermetic reciprocating) are available in 50 models covering nominal capacity ranges from 12 TR - 119 TR (41 kW to 417 kW) in 50Hz and 60Hz.

PACF 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.

PACF units are designed and rated in accordance with AHRI-340-360 standards.

PACF Series Packaged Air Conditioners are completely assembled, internally wired, charged with R-22 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.



You name it....We cool it

SKM Packaged Airconditioning Units

PACF Series - R-22

General Features

The **PACF** series is a modern, diversified series of packaged air conditioners which use R-22 as the refrigerant.

The complete **PACF** package provides an extremely rugged, heavy duty, long-life, energy efficient and self-contained package air conditioner that will provide cooling at higher efficiency over a long and extended life. What makes **PACF** series the pride of SKM products is the use of:

- Heavy duty, energy efficient compressors.
- 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.

The SKM **PACF** series packaged air conditioning units are durable, dependable, strong, reliable, versatile, quiet and energy efficient. Wherever a heavy duty packaged air conditioner is required, the **PACF** series should be an automatic choice.

Component Features

The common standard features of all **PACF** series packaged units include the following.

Compressor

Compressors used in **PACF** series are fully accessible, semi-hermetic, reciprocating type. They are equipped with an oil sight glass, suction and discharge service valves and crankcase heater. All compressors are refrigerant gas cooled and equipped with an oil pressure lubrication system. The oil pump working in either direction is protected by an oil screen and a valve provided for the fitting of an oil pressure gauge.

For protection, all compressors are equipped with preset internal relief valve between suction and discharge sides.

The compressors are provided with vibration isolator springs underneath and therefore, external to **PACF** series, AVM's may be necessary only for critical applications.

The compressor motors have inherent thermal protection. This is in addition to other standard safety and protection controls. Compressors conform to EN 12900 standards.

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 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.
- Electroplated Copper Fins.
- Copper finned coils with electro-plated 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.

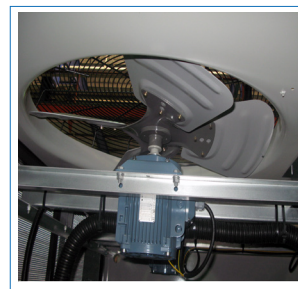
SKM **PACF** series, all models, are restricted to a 14FPI (1.8 mm) fin spacing condenser coil. Gulf dust storms and the general level of available maintenance in Gulf countries ensures this condenser coil design shall provide long life and maintenance-free operation with the least possibility operational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

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.



Condenser Fan Motor

SKM Packaged Airconditioning Units

PACF Series - R-22

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.
 - Electroplated Copper fins.
 - Copper finned coils with electro-plated 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 turbulence 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.

Evaporator Fan Drive

Fans in the **PACF** units are selected for the best sound characteristics based on maximum fan efficiency. More than one arrangement of evaporator fans are used in the **PACF** 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 provides the combination to efficiency and quietness of operation. All fans are statically and dynamically balanced, belt driven by motor sizes up to 11 kW are provided with adjustable pitch pulleys as standard. Above 11 kW motors are with fixed pitch pulleys as standard.

Single fan is used for **PACF**-5011, **PACF**-5014, **PACF**-6012 & **PACF**-6015 models. Models **PACF**-5020 ~ **PACF**-5055 & **PACF**-6022 ~ **PACF** 6055 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 **PACF**-5065 and **PACF**-6075 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 **PACF**-5011 ~ **PACF**-5055 & **PACF**-6012 ~ **PACF**-6065 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, Class F insulation with Class B temperature rise.

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

PACF 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-22 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

PACF 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 15", 21" or 30" 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.

SKM Packaged Airconditioning Units

PACF Series - R-22

Casing/Structure

Designed for ease of handling and low cost to install. The **PACF** Air Cooled Packaged Units are factory assembled and mounted on a rigid base. The unit casing used in **PACF** 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 **PACF** 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 **PACF**-5055 & 6065 and 2" thick fiber glass insulation for models **PACF**-5065 & 6075 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.

The following are the **standard** components used in all **PACF** Packaged Air Conditioners:

- Individual compressor, condenser fan motors and evaporator contactors.
- Anti recycle timer to prevent rapid cycling and short cycling of compressors.
- Motor protector circuit breaker for condenser & Evaporator fan motors.
- Low pressure safety switch, high pressure safety switch, oil failure switch one per compressor.
- Head pressure control by fan cycling for low ambient operation down to 50°F (10°C).
- Control disconnect toggle switch.
- Control circuit breaker.
- 24 volts low voltage fused transformer for user supplied and installed room thermostat.
- Power and control circuit terminal blocks.
- Liquid line solenoid valve.

Optional Features

PACF 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)

PACF 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		
		PACF 5011/6012 to PACF 5055/6065	PACF 5065/6075 to PACF 5110/6125	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	[FVSP1]/[FVSP2]		[FVP1]/[FVP2]
4	1" (25 mm) / 2" (50 mm) Thick Synthetic.G3	[FVS1]/[FVS2]		[FVS1]/[FVS2]
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 Media*				
8	4" (100 mm) thick	FSPM4-F8		FIMP4-F8

*F8 indicates the efficiency, For F9 change option code.

Table 1

SKM Packaged Airconditioning Units

PACF Series - R-22

- Flat or vee filter sections to accommodate 1" or 2" cleanable aluminium media filters can be provided.
- A bag filter section to house 15", 21" or 30" 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 louver can effectively minimize entrance of sand into the air stream, sand trap louver (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 (SDG)

Suction and discharge and oil pressure 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 grade 316L 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.

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.

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 louver and bird screen on fresh air Side.

Two inch insulation (2SG)

for evaporator section.

Modular Construction (MSTD)

Models **PACF** 5011-5090 and **PACF** 6012-6100 can be produced as modular constructions. Refer page no. 35-37 for more details.

Overlapped Evap. coil construction

Use overlapped evaporator coils to limit the height of the unit with frontal fan discharge. Available for models **PACF** 5095~5110 & **PACF** 6105~6125. Refer page no. 37 for more details.

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.

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

MODEL PACF		HEATER (kW)	STAGES
5011	6012	18	2
5014	6015	24	
5020	6022	30	
5021	6023		
5024	6027		
5028	6031		
5029	6032	48	
5030	6034		
5033	6037		
5035	6041		
5039	6043		
5040	6044	60	
5042	6046		
5047	6052		
5048	6053		
5049	6054		
5055	6065	90	
5065	6075		
5070	6080		
5075	6085		
5085	6095	126	4
5090	6100		
5095	6105		
5100	6115		
5110	6125	144	

Table 2

SKM Packaged Airconditioning Units

PACF Series - R-22

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 PACF 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

(VMM)

To prevent PACF unit operation in the event of Phase loss, Phase reversal, and Under / Over voltage on the incoming line voltage.

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 specification calls for additional over load and short circuit protection

External Overload Protection

(EOP)

For those electrical specification requires additional overload protection for the compressors.

Part Winding Start

(PWS)

Where specifically required by local codes, compressors may be with Part Winding Start to reduce the high inrush current at starting. Refer to page 22 for more details.

Unload Start Kit

(USK)

This option is required when the compressor needs a high starting torque such as when the load is high. (not required with DOL starting)

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.

Star – Delta Starter

(SDS)

To reduce the starting current of compressors using reduced voltage starting method. Compressors will be started in Star & after few seconds it will be changed over to Delta.

Lead Lag Switch

(LLS)

To manually reverse compressors operational sequence.

Run Hour Meter(s)

(RHM)

To monitor operating hours of each compressor.

Capacity Control Steps

(CRS1)

To provide additional capacity control steps on the units. See Table 3 (page 8) for optional steps available.

High Ambient Operation Kit

(HAO)

For operation at ambient temperature between 125°F - (52°C) and 131°F (55°C) maximum

Manual Reset Type High Pressure Switch

(MHP)

To replace standard auto reset, capsule type pressure switch.

Ammeter & Phase Selector switch

(AMPI)

To indicate running AMPS on main in-comer of the unit.

Ammeter & Phase Selector Switch

(AMPC)

To indicate running AMPS of each compressor.

Voltmeter & Selector Switch

(VSS)

For incoming line voltage.

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.

Factory Installed Option

Microprocessor Based Control

(MCP)

A compact and user friendly electronic controller is available as an option for the control of the package units. The controller comes with a built in display, loose supplied room terminal and duct sensor.

The main features of the controller are as follows:

- Built-in display with keypad.
- Room terminal for mounting in the conditioned space.
- Control of the indoor Fan & compressors.
- Control of the compressors is based on return duct temperature.
- Alarm management.
- Built-in anti recycle time for the compressors.
- Automatic lead-lag for the compressors based on run time (for units with two compressors).
- Volt free contact for common fault.
- Remote start/stop provision.



SKM Packaged Airconditioning Units

PACF Series - R-22

The controller displays status of the indoor fan, compressors, duct temperature and active alarms. Alarms can be automatic or manual reset (factory default is auto reset). Set points are configurable from the controller display as well. The loose supplied room terminal also shows the same information as the built-in display.

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 and Oil Pressure Gauges - Loose (CSDG)

Without piping or isolating pet cocks.

Single or Two stages Cooling / Heating Thermostats (CHTS)

(1 or 2 stages as per model) for wall mounting and for cooling/heating operation (not required with MCP Option)

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.

PACF		Standard	Number of Steps	Optional	Number of Steps
5011	6012	100-0	1	100-50-0	2
5014	6015	100-0	1	100-50-0	2
5020	6022	100-0	1	100-50-0	2
5021	6023	100-50-0	2	100-75-50-25-0	4
5024	6027	100-54-0	2	100-77-54-27-0	4
5028	6031	100-50-0	2	100-75-50-25-0	4
5029	6032	100-0	1	100-67-0	2
5030	6034	100-64-0	2	100-82-64-32-0	4
5033	6037	100-61-0	2	100-80-61-30-0	4
5035	6041	100-0	1	100-67-0	2
5039	6043	100-50-0	2	100-75-50-25-0	4
5040	6044	100-73-0	2	100-86-73-49-0	4
5042	6046	100-0	1	100-67-0	2
5047	6052	100-0	1	100-75-0	2
5048	6053	100-73-0	2	100-86-73-49-0	4
5049	6054	100-60-0	2	100-80-60-40-0	4
5055	6065	100-63-0	2	100-82-63-42-0	4
5065	6075	100-50-0	2	100-84-50-34-0	4
5070	6080	100-53-0	2	100-85-53-36-0	4
5075	6085	100-50-0	2	100-84-50-34-0	4
5085	6095	100-55-0	2	100-85-55-37-0	4
5090	6100	100-61-0	2	100-87-61-46-0	4
5095	6105	100-50-0	2	100-84-50-34-0	4
5100	6115	100-54-0	2	100-85-54-40-0	4
5110	6125	100-50-0	2	100-88-50-38-0	4

Table 3

Selection Procedure

PACF 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.

Application Requirements	Example 1: English Units	Example 2: SI Units
Required total cooling capacity.....	442.0 MBh.....	129.5 kW
Sensible cooling capacity.....	310.0 MBh.....	90.8 kW
Condenser entering air temp db.....	115°F.....	46°C
Evaporator entering air temp. db/wb.....	84/69°F.....	28.9/20.6 °C
Evaporator air flow rate.....	14,400 cfm.....	6797 l/s
External static pressure.....	1.2 inwg.....	300 Pa
Electric power supply.....	380V/3PH/50Hz.....	380V/3PH/50Hz

Select **PACF** 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 **PACF**-5039, by interpolation, at 14,400 cfm (6,797 l/s) and 69°F (20.6°C). Unit will provide 462.9 MBh (135.6 kW) total cooling capacity, 297.4 MBh (87.14 kW) sensible cooling at 80°F (26.7°C) evaporator entering air bulb.

SKM Packaged Airconditioning Units

PACF Series - R-22

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.	$SC2 = SC1 + SCC$ $= SC1 + 0.0011 (1 - BPF)(EDB - 80) \times cfm$ $= 297.4 + 0.0011 (1 - 0.134)(84 - 80) \times 14,400$ $= 352.3 \text{ MBH}$ 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	$SC2 = SC1 + SCC$ $= SC1 + 0.00123 (1 - BPF)(Edb - 26.7) \times l/s$ $= 87.14 + 0.00123 (1 - 0.134)(28.9 - 26.7) \times 6797$ $= 103.1 \text{ kW}$
Calculate leaving evaporator air temperature	Ldb $= Edb - \frac{\text{Sensible capacity (MBH)}}{0.0011 \times cfm}$ $= 84 - \frac{352.3}{0.0011 \times 14400}$ $= 61.76^\circ\text{F}$ 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	Ldb $= Edb - \frac{\text{Sensible capacity (KW)}}{0.00123 \times L/S}$ $= 28.9 - \frac{103.1}{0.00123 \times 6797}$ $= 16.57^\circ\text{C}$
Calculate leaving air wet bulb	hLwb $= hEwb - \frac{\text{total capacity (MBH)} \times 1000}{4.5 \times cfm}$ $= 33.11 - \frac{462.9 \times 1000}{4.5 \times 14,400}$ $= 25.97 \text{ Btu/lb}$ $= 59.3^\circ\text{F LWB}$ where hL_{wb} and hE_{wb} are leaving and entering air enthalpy respectively Btu/lb (kJ/kg) L_{wb} = Leaving air wet bulb temperature	hLwb $= hEwb - \frac{\text{total capacity (kW)} \times 1000}{1.2 \times L/S}$ $= 59.31 - \frac{135.6 \times 1000}{1.2 \times 6797}$ $= 42.7 \text{ kJ/kg}$ $= 15.2^\circ\text{C}$

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 14,400 cfm (6797 l/s) and 1.2 inwg. (300 Pa) ESP to get 978.1 rpm and 6.67 kW absorbed power.

Motor power = 1.2 x absorbed power
= 1.2 x 6.67 = 8.0 kW

Standard selected motor size = 11 kW

SKM Computer selections are available for quick and proper selections

SKM Packaged Airconditioning Units

PACF Series - R-22

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACF	5011	5014	5020	5021	5024	5028	5029
Cooling Capacity	(1)	BTUH	138000	170000	242000	256000	292000	316000	358000
		W	40445	49824	70926	75029	85580	92614	104924
Cooling Capacity	(2)	BTUH	128000	154000	222000	236000	268000	290000	328000
		W	37515	45135	65064	69168	78546	84994	96131
Compressor	Type	-	Semi-Hermetic Reciprocating 1450 RPM						
	Quantity	-	1	1	1	2	2	2	1
	Oil Charge Per CKT (A/B)	US Gal	0.69	0.69	1.19	0.69/0.69	0.69/0.69	0.69/0.69	1.25
		Liter	2.61	2.61	4.5	2.61/2.61	2.61/2.61	2.61/2.61	4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	19.4	24.4	26.3	26.3	35.6	40.0	40.0
		m²	1.8	2.3	2.4	2.4	3.3	3.7	3.7
Condenser Fan	Type	-	Propeller direct drive 960 RPM						
	Code / Quantity	-	628/2	723/2	823/2	823/2	823/3	823/3	823/3
	Air Flow Rate	cfm	8920	13240	16400	16400	23550	24780	24780
		l/s	4210	6248	7739	7739	11114	11694	11694
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Quantity	kW	0.37/2	0.75/2	1.5/2	1.5/2	1.5/3	1.5/3	1.5/3
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	9.0	11.7	14.6	14.6	17.2	18.7	20.8
		m²	0.8	1.1	1.4	1.4	1.6	1.7	1.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code	-	N15-S	N15-S	N12-D	N12-D	N15-D	N15-D	N15-D
	Air Flow Rate	cfm	4500	5800	7300	7300	8600	9400	10400
		l/s	2124	2737	3445	3445	4059	4436	4908
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55						
	Size	kW	2.2	3.0	4.0	4.0	4.0	5.5	5.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	19.1	25.5	32.4	16.3/16.3	24.5/18.1	23.6/23.6	47.3
		kg	8.6	11.5	14.7	7.4/7.4	11.1/8.2	10.7/10.7	21.5
Number of Refrigerant Circuits		-	1	1	1	2	2	2	1
Unit Operating Weight		lbs	1347	1565	2226	2663	2893	2990	2852
		kg	611	710	1009	1208	1312	1356	1294

Model		PACF	5030	5033	5035	5039	5040	5042
Cooling Capacity (1)		BTUH	364000	398000	415000	485000	495000	500000
		W	106682	116647	121630	142145	145076	146542
Cooling Capacity (2)		BTUH	336000	366000	384000	445000	455000	460000
		W	98476	107268	112544	130422	133353	134818
Compressor	Type	-	Semi-Hermetic Reciprocating 1450 RPM					
	Quantity	-	2	2	1	2	2	1
	Oil Charge	US Gal	1.19/0.69	1.19/0.69	1.25	1.19/1.19	1.25/0.69	1.25
	Per CKT (A/B)	Liter	4.5/2.61	4.5/2.61	4.73	4.5/4.5	4.73/2.61	4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	40.0	53.3	53.3	64.0	64.0	64.0
		m²	3.7	5.0	5.0	5.9	5.9	5.9
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Qty.	-	823/3	823/3	823/3	829/4	829/4	823/4
	Air Flow Rate	cfm	24780	27000	27000	41520	41520	35040
		l/s	11694	12742	12742	19594	19594	16536
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	1.5/3	1.5/3	1.5/3	1.5/4	1.5/4	1.5/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	20.8	23.4	25.0	29.2	29.2	29.2
		m²	1.9	2.2	2.3	2.7	2.7	2.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N15-D	N15-D	N15-D	N18-D	N18-D	N18-D
	Air Flow Rate	cfm	10400	11700	12500	14600	14600	14600
		l/s	4908	5522	5899	6890	6890	6890
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	5.5	7.5	7.5	7.5	7.5	7.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	31.3/15.0	37.7/25.1	62.8	29.8/29.8	41.5/16.5	77.5
		kg	14.2/6.8	17.1/11.4	28.5	13.5/13.5	18.8/7.5	35.1
Number of Refrigerant Circuits		-	2	2	1	2	2	1
Unit Operating Weight		lbs	3115	3291	3218	3904	3830	3958
		kg	1413	1492	1459	1771	1737	1795

Table 4

Notes:

- 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.
- 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.
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACF Series - R-22

ENGINEERING SPECIFICATIONS - 50 Hz

Model		PACF	5047	5048	5049	5055	5065	5070
Cooling Capacity	(1)	BTUH	600000	590000	605000	655000	750000	815000
		W	175850	172919	177315	191970	219812	238863
Cooling Capacity	(2)	BTUH	550000	540000	555000	600000	690000	750000
		W	161196	158265	162661	175850	202227	219812
Compressor	Type	-	Semi-Hermetic Reciprocating 1450 RPM					
	Quantity	-	1	2	2	2	2	2
	Oil Charge	US Gal	1.32	1.25/0.69	1.25/1.19	1.25/1.19	1.25/1.25	1.25/1.25
	Per CKT (A/B)	Liter	5	4.73/2.61	4.73/4.5	4.73/4.5	4.73/4.73	4.73/4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	72.0	72.0	72.0	72.0	130.0	65.0
		m²	6.7	6.7	6.7	6.7	12.1	6.0
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Quantity	-	829/4	829/4	829/4	829/4	829/4	829/4
	Air Flow Rate	cfm	40920	40920	40920	40920	47320	46880
		l/s	19311	19311	19311	19311	22331	22124
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	1.5/4	1.5/4	1.5/4	1.5/4	1.5/4	1.5/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	34.4	34.4	34.4	37.5	43.0	49.0
		m²	3.2	3.2	3.2	3.5	4.0	4.6
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N18-D	N18-D	N18-D	N18-D	N710-S	N710-S
	Air Flow Rate	cfm	17200	17200	17200	18750	21000	23000
		l/s	8117	8117	8117	8849	9911	10855
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	11.0	11.0	11.0	15.0	15.0	15.0
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	109.4	73.4/34.2	61.1/46.5	68.8/41.2	76.7/76.7	102.3/82.4
		kg	49.6	33.3/15.5	27.7/21.1	31.2/18.7	36.2/36.2	46.4/37.4
Number of Refrigerant Circuits		-	1	2	2	2	2	2
Unit Operating Weight		lbs	4683	4777	4954	5024	9959	10328
		kg	2124	2166	2247	2278	4517	4684

Model		PACF	5075	5085	5090	5095	5100	5110
Cooling Capacity	(1)	BTUH	850000	955000	995000	1070000	1145000	1220000
		W	249121	279894	291618	313599	335580	357562
Cooling Capacity	(2)	BTUH	780000	880000	910000	980000	1050000	1120000
		W	228605	257913	266706	287222	307737	328253
Compressor	Type	-	Semi-Hermetic Reciprocating 1450 RPM					
	Quantity	-	2	2	2	2	2	2
	Oil Charge	US Gal	1.25/1.25	1.25/1.25	1.32/1.25	1.25/1.25	1.32/1.25	1.32/1.32
	Per CKT (A/B)	Liter	4.73/4.73	4.73/4.73	5/4.73	4.73/4.73	5/4.73	5/5
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	130.0	65.0	97.5	130.0	130.0	130.0
		m²	12.1	6.0	9.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 960 RPM					
	Code / Qty.	-	829/4	829/4 & 823/4	829/6	829/8	829/8	829/8
	Air Flow Rate	cfm	46440	76160	59340	79120	79120	79120
		l/s	21916	35941	28004	37338	37338	37338
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	1.5/4	1.5/4	1.5/6	1.5/8	1.5/8	1.5/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	49.0	55.1	61.2	63.7	67.5	71.9
		m²	4.6	5.1	5.7	5.9	6.3	6.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N710-S	N800-S	N800-S	N900-S	N900-S	N900-S
	Air Flow Rate	cfm	23000	25600	28400	30000	31500	33500
		l/s	10855	12082	13403	14158	14866	15810
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	15.0	15.0	15.0	15.0	15.0	18.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	98.1/98.1	108.2/86.2	120.6/69.7	114.4/114.4	124.6/108.9	119.3/119.3
		kg	44.5/44.5	49.1/39.1	54.7/31.6	51.9/51.9	56.5/49.4	54.1/54.1
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	10336	11001	11052	11459	11816	12293
		kg	4687	4989	5012	5197	5359	5575

Table 4 ends

Notes:

- 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.
- 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.
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACF Series - R-22

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACF	6012	6015	6022	6023	6027	6031	6032
Cooling Capacity (1)		BTUH	162000	198000	284000	300000	342000	370000	415000
		W	47479	58030	83236	87925	100234	108441	121630
Cooling Capacity (2)		BTUH	148000	180000	260000	274000	314000	338000	384000
		W	43376	52755	76202	80305	92028	99062	112544
Compressor	Type	-	Semi-Hermetic Reciprocating 1750 RPM						
	Quantity	-	1	1	1	2	2	2	1
	Oil Charge	US Gal	0.69	0.69	1.19	0.69/0.69	0.69/0.69	0.69/0.69	1.25
	Per CKT (A/B)	Liter	2.61	2.61	4.5	2.61/2.61	2.61/2.61	2.61/2.61	4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins						
	Face Area	ft²	19.4	24.4	26.3	26.3	35.6	40.0	40.0
		m²	1.8	2.3	2.4	2.4	3.3	3.7	3.7
Condenser Fan	Type	-	Propeller direct drive 1150 RPM						
	Code / Quantity	-	628/2	723/2	823/2	823/2	823/3	823/3	823/3
	Air Flow Rate	cfm	10820	15660	20020	20020	28740	30210	30210
		l/s	5106	7390	9448	9448	13563	14257	14257
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55						
	Size / Quantity	kW	0.55/2	1.1/2	2.2/2	2.2/2	2.2/3	2.2/3	2.2/3
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes						
	Face Area	ft²	9.0	11.7	14.6	14.6	17.2	18.7	20.8
		m²	0.8	1.1	1.4	1.4	1.6	1.7	1.9
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive						
	Code	-	N15-S	N15-S	N12-D	N12-D	N15-D	N15-D	N15-D
	Air Flow Rate	cfm	4500	5800	7300	7300	8600	9400	10400
		l/s	2124	2737	3445	3445	4059	4436	4908
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55						
	Size	kW	2.2	3.0	4.0	4.0	5.5	5.5	5.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)	lbs	19.8	26.5	35.2	16.7/16.7	25.4/18.7	24.5/24.5	49.1	
	kg	9.0	12.0	16.0	7.6/7.6	11.5/8.5	11.1/11.1	22.3	
Number of Refrigerant Circuits		-	1	1	1	2	2	2	1
Unit Operating Weight		lbs	1375	1601	2282	2722	2993	3066	2932
		kg	624	726	1035	1234	1357	1390	1330

Model		PACF	6034	6037	6041	6043	6044	6046
Cooling Capacity (1)		BTUH	425000	465000	490000	570000	575000	585000
		W	124560	136284	143611	167057	168523	171454
Cooling Capacity (2)		BTUH	392000	425000	450000	520000	530000	535000
		W	114889	124560	131887	152403	155334	156800
Compressor	Type	-	Semi-Hermetic Reciprocating 1750 RPM					
	Quantity	-	2	2	1	2	2	1
	Oil Charge	US Gal	1.19/0.69	1.19/0.69	1.25	1.19/1.19	1.25/0.69	1.25
	Per CKT (A/B)	Liter	4.5/2.61	4.5/2.61	4.73	4.5/4.5	4.73/2.61	4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	40.0	53.3	53.3	64.0	64.0	64.0
		m²	3.7	5.0	5.0	5.9	5.9	5.9
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Qty.	-	823/3	823/3	823/3	829/4	829/4	823/4
	Air Flow Rate	cfm	30210	32880	32880	50240	50240	42680
		l/s	14257	15517	15517	23709	23709	20142
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	2.2/3	2.2/3	2.2/3	2.2/4	2.2/4	2.2/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	20.8	23.4	25.0	29.2	29.2	29.2
		m²	1.9	2.2	2.3	2.7	2.7	2.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N15-D	N15-D	N15-D	N18-D	N18-D	N18-D
	Air Flow Rate	cfm	10400	11700	12500	14600	14600	14600
		l/s	4908	5522	5899	6890	6890	6890
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	5.5	7.5	7.5	7.5	7.5	7.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)	lbs	32.4/15.7	39.0/26.0	64.9	31.1/31.1	43.2/17.2	80.0	
	kg	14.7/7.1	17.7/11.8	29.5	14.1/14.1	19.6/7.8	36.3	
Number of Refrigerant Circuits		-	2	2	1	2	2	1
Unit Operating Weight		lbs	3195	3375	3306	4011	3937	4067
		kg	1449	1530	1499	1819	1785	1844

Table 5

Notes:

- 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.
- 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.
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACF Series - R-22

ENGINEERING SPECIFICATIONS - 60 Hz

Model		PACF	6052	6053	6054	6065	6075	6080
Cooling Capacity	(1)	BTUH	690000	675000	695000	750000	875000	950000
		W	202227	197831	203693	219812	256448	278429
Cooling Capacity	(2)	BTUH	630000	620000	640000	690000	805000	875000
		W	184642	181712	187573	202227	235932	256448
Compressor	Type	-	Semi-Hermetic Reciprocating 1750 RPM					
	Quantity	-	1	2	2	2	2	2
	Oil Charge	US Gal	1.32	1.25/0.69	1.25/1.19	1.25/1.19	1.25/1.25	1.25/1.25
	Per CKT (A/B)	Liter	5	4.73/2.61	4.73/4.5	4.73/4.5	4.73/4.73	4.73/4.73
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	72.0	72.0	72.0	72.0	130.0	65.0
		m²	6.7	6.7	6.7	6.7	12.1	6.0
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Quantity	-	829/4	829/4	829/4	829/4	829/4	829/4
	Air Flow Rate	cfm	49560	49560	49560	49560	56960	56420
		l/s	23388	23388	23388	23388	26881	26626
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Quantity	kW	2.2/4	2.2/4	2.2/4	2.2/4	2.2/4	2.2/4
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	34.4	34.4	34.4	37.5	43.0	49.0
		m²	3.2	3.2	3.2	3.5	4.0	4.6
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N18-D	N18-D	N18-D	N18-D	N710-S	N710-S
	Air Flow Rate	cfm	17200	17200	17200	18750	21000	23000
		l/s	8117	8117	8117	8849	9911	10855
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	11.0	11.0	11.0	15.0	15.0	15.0
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	117.9	79.2/36.8	65.9/50.1	74.5/44.8	83.8/83.8	108.7/87.9
		kg	53.5	35.9/16.7	29.9/22.7	33.8/20.3	38.0/38.0	49.3/39.9
Number of Refrigerant Circuits		-	1	2	2	2	2	2
Unit Operating Weight		lbs	4758	4851	5028	5099	10171	10555
		kg	2158	2200	2280	2312	4613	4787

Model		PACF	6085	6095	6100	6105	6115	6125
Cooling Capacity	(1)	BTUH	990000	1110000	1155000	1245000	1330000	1420000
		W	290152	325322	338511	364889	389801	416178
Cooling Capacity	(2)	BTUH	910000	1025000	1060000	1145000	1220000	1300000
		W	266706	300410	310668	335580	357562	381008
Compressor	Type	-	Semi-Hermetic Reciprocating 1750 RPM					
	Quantity	-	2	2	2	2	2	2
	Oil Charge	US Gal	1.25/1.25	1.25/1.25	1.32/1.25	1.25/1.25	1.32/1.25	1.32/1.32
	Per CKT (A/B)	Liter	4.73/4.73	4.73/4.73	5/4.73	4.73/4.73	5/4.73	5/5
Condenser Coil	Type	-	Air cooled 3 or 4 rows 14 FPI (1.8 mm) fin spacing Cu tubes Al fins					
	Face Area	ft²	130.0	65.0	97.5	130.0	130.0	130.0
		m²	12.1	6.0	9.1	12.1	12.1	12.1
Condenser Fan	Type	-	Propeller direct drive 1150 RPM					
	Code / Qty.	-	829/4	829/4 & 823/4	829/6	829/8	829/8	829/8
	Air Flow Rate	cfm	55880	92560	72000	96000	96000	96000
		l/s	26371	43681	33978	45304	45304	45304
Condenser Motor	Type	-	Totally enclosed, air over Class F insulation, 6-pole, IP-55					
	Size / Qty.	kW	2.2/4	2.2/4	2.2/6	2.2/8	2.2/8	2.2/8
Evaporator Coil	Type	-	Direct expansion, Aluminum Fins, Copper Tubes					
	Face Area	ft²	49.0	55.1	61.2	63.7	67.5	71.9
		m²	4.6	5.1	5.7	5.9	6.3	6.7
Evaporator Fan	Type	-	Centrifugal double inlet double width belt drive					
	Code	-	N710-S	N800-S	N800-S	N900-S	N900-S	N900-S
	Air Flow Rate	cfm	23000	25600	28400	30000	31500	33500
		l/s	10855	12082	13403	14158	14866	15810
Evaporator Motor	Type	-	Totally enclosed, 4-Pole, Class F insulation, IP55					
	Size	kW	15.0	15.0	15.0	15.0	15.0	18.5
Refrigerant (R - 22) Operating Charge Per CKT (A/B)		lbs	104.1/104.1	115.7/92.2	129.9/75.2	122.1/122.1	133.2/116.4	127.9/127.9
		kg	47.2/47.2	52.5/41.8	58.9/34.1	55.4/55.4	60.4/52.8	58.0/58.0
Number of Refrigerant Circuits		-	2	2	2	2	2	2
Unit Operating Weight		lbs	10563	11283	11331	11765	12131	12619
		kg	4790	5117	5139	5336	5502	5723

Table 5 ends

Notes:

- 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.
- 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.
- Capacity is gross capacity which does not include the effect of evaporator fan motor heat.

SKM Packaged Airconditioning Units

PACF Series - R-22

GROSS CAPACITY RATINGS - 50 Hz

Model PACF	AFR	Condenser Entering Air Temperature																									
	cfm	EWB		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		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW							
																					l/s	(BPF)		°F	°C		
5011	2688	62	16.7	116	34	94.3	27.6	9.9	111.1	32.6	92	27	10.7	106.1	31.1	89.8	26.3	11.5	103.5	30.3	88.6	26	11.9				
	1269	67	19.4	125.3	36.7	79.4	23.3	10.3	120.3	35.3	77.4	22.7	11.1	115.3	33.8	75.3	22.1	11.9	112.7	33	74.3	21.8	12.4				
	0.1	72	22.2	135.9	39.8	64.6	18.9	10.6	130.6	38.3	62.6	18.4	11.5	125.1	36.7	60.6	17.8	12.4	122.3	35.8	59.6	17.5	12.8				
	4500	62	16.7	126.6	37.1	123.3	36.2	10.3	120	35.2	120	35.2	11.1	113.7	33.3	113.7	33.3	11.8	110.5	32.4	110.5	32.4	12.2				
	2124	67	19.4	139.7	41	101.8	29.8	10.8	134	39.3	99.6	29.2	11.6	128	37.5	97.4	28.6	12.5	125	36.6	96.3	28.2	13				
	0.14	72	22.2	151	44.3	79	23.2	11.1	144.6	42.4	76.9	22.5	12	138	40.5	74.7	21.9	12.9	0	0	0	0	0				
	4927	62	16.7	127.6	37.4	127.6	37.4	10.3	121.1	35.5	121.1	35.5	11.1	114.8	33.7	114.8	33.7	11.9	111.7	32.7	111.7	32.7	12.3				
	2325	67	19.4	141.8	41.6	106.4	31.2	10.8	135.9	39.8	104.3	30.6	11.7	129.8	38.1	102.1	29.9	12.6	126.7	37.1	101	29.6	13.1				
	0.14	72	22.2	153	44.9	81.9	24	11.2	146.5	42.9	79.8	23.4	12.1	139.8	41	77.6	22.8	13	0	0	0	0	0				
	3500	62	16.7	141.4	41.4	118.4	34.7	11.2	135.2	39.6	115.6	33.9	12.1	128.8	37.7	112.7	33	12.9	120.7	35.4	109.2	32	13.8				
5014	1652	67	19.4	153.4	45	99.4	29.1	11.6	147.2	43.1	96.9	28.4	12.5	140.8	41.3	94.3	27.6	13.5	134.2	39.3	91.7	26.9	14.5				
	0.09	72	22.2	166.5	48.8	80.3	23.5	12	159.8	46.8	77.8	22.8	13	152.9	44.8	75.4	22.1	13.9	149.3	43.8	74.1	21.7	14.5				
	5800	62	16.7	151.9	44.5	151.9	44.5	11.6	144.3	42.3	144.3	42.3	12.4	136.8	40.1	136.8	40.1	13.3	129.4	37.9	129.4	37.9	14.2				
	2737	67	19.4	170.4	49.9	127.6	37.4	12.1	163.1	47.8	125	36.6	13.1	155.6	45.6	122.2	35.8	14.1	151.1	44.3	120.6	35.3	14.5				
	0.13	72	22.2	183.9	53.9	98.3	28.8	12.4	175.9	51.6	95.7	28.1	13.5	167.7	49.2	93.1	27.3	14.5	163.5	47.9	91.7	26.9	15.1				
	6417	62	16.7	153.6	45	153.6	45	11.6	146	42.8	146	42.8	12.5	138.6	40.6	138.6	40.6	13.4	131.1	38.4	131.1	38.4	14.3				
	3028	67	19.4	173.1	50.7	134.4	39.4	12.2	165.7	48.6	131.7	38.6	13.1	156.9	46	128.6	37.7	14.1	152.1	44.6	126.9	37.2	14.6				
	0.14	72	22.2	186.6	54.7	102.6	30.1	12.5	178.4	52.3	99.9	29.3	13.5	170	49.8	97.3	28.5	14.6	0	0	0	0	0				
	4375	62	16.7	0	0	0	0	0	193.3	56.7	155.6	45.6	18.8	184.9	54.2	151.7	44.5	20.2	176.1	51.6	147.7	43.3	21.7				
	2065	67	19.4	218.5	64	135.5	39.7	18.1	209	61.3	131.5	38.5	19.5	200.1	58.7	127.7	37.4	20.9	195.8	57.4	125.9	36.9	21.7				
5020	0.09	72	22.2	235.5	69	110.6	32.4	18.7	226.6	66.4	107.3	31.4	20.2	217.3	63.7	103.8	30.4	21.8	212.6	62.3	102	29.9	22.6				
	7300	62	16.7	223.6	65.5	207.8	60.9	18.3	212.8	62.4	203.2	59.6	19.6	201	58.9	198.3	58.1	21	195.2	57.2	195.2	57.2	21.7				
	3445	67	19.4	243	71.2	171.3	50.2	18.9	233.3	68.4	167.6	49.1	20.5	223.2	65.4	163.9	48	22	218.1	63.9	161.9	47.5	22.9				
	0.14	72	22.2	263.1	77.1	134.2	39.3	19.5	252.5	74	130.7	38.3	21.2	241.4	70.7	127	37.2	22.9	235.7	69.1	125.1	36.7	23.8				
	8021	62	16.7	226.3	66.3	218.3	64	18.4	214.3	62.8	213.3	62.5	19.7	202.7	59.4	202.7	59.4	21.1	197	57.8	197	57.8	21.8				
	3785	67	19.4	246.9	72.4	179.3	52.5	19	237	69.5	175.5	51.4	20.6	226.7	66.4	171.8	50.3	22.2	221.4	64.9	169.8	49.8	23.1				
	0.14	72	22.2	267.2	78.3	139.3	40.8	19.7	256.2	75.1	135.7	39.8	21.3	244.8	71.7	132	38.7	23.1	239	70	130.1	38.1	24				
	4375	62	16.7	0	0	0	0	0	0	0	0	0	0	195.6	57.3	156.7	45.9	22.4	190.9	56	154.5	45.3	23.2				
	2065	67	19.4	232.5	68.1	141.6	41.5	20.2	222.3	65.2	137.1	40.2	21.7	211.8	62.1	132.6	38.9	23.3	206.5	60.5	130.4	38.2	24.1				
	0.09	72	22.2	248.6	72.9	115.7	33.9	20.9	239.2	70.1	112	32.8	22.5	229.4	67.2	108.3	31.7	24.2	224.4	65.8	106.4	31.2	25.1				
5021	7300	62	16.7	237.8	69.7	213.8	62.7	20.5	227.5	66.7	209.4	61.4	22	216.5	63.4	204.8	60	23.5	209.7	61.5	201.9	59.2	24.3				
	3445	67	19.4	257.6	75.5	176.8	51.8	21.2	247.2	72.4	172.9	50.7	22.9	236.4	69.3	168.8	49.5	24.6	230.9	67.7	166.8	48.9	25.5				
	0.14	72	22.2	279	81.8	139.7	41	22	267.7	78.5	135.9	39.8	23.7	256.1	75.1	131.9	38.7	25.5	0	0	0	0	0				
	8021	62	16.7	241.4	70.8	224.6	65.8	20.6	231	67.7	220.2	64.5	22.1	217.9	63.9	214.8	63	23.6	211.3	61.9	211.3	61.9	24.4				
	3785	67	19.4	261.9	76.8	184.9	54.2	21.4	251.2	73.6	180.9	53	23	240.2	70.4	176.8	51.8	24.8	234.6	68.8	174.7	51.2	25.7				
	0.14	72	22.2	283.5	83.1	144.8	42.4	22.1	272	79.7	140.9	41.3	23.9	260	76.2	136.9	40.1	25.7	0	0	0	0	0				
	5156	62	16.7	0	0	0	0	0	232.3	68.1	185.6	54.4	21.9	222.1	65.1	180.7	53	23.5	211.5	62	175.8	51.5	25.1				
	2433	67	19.4	263.7	77.3	162.4	47.6	21.1	252.1	73.9	157.4	46.1	22.7	240.6	70.5	152.5	44.7	24.3	229.9	67.4	148.1	43.4	26.1				
	0.09	72	22.2	283.7	83.1	132.7	38.9	21.7	272.9	80	128.6	37.7	23.5	261.7	76.7	124.4	36.5	25.2	250.2	73.3	120.1	35.2	27.2				
	8600	62	16.7	269.9	79.1	247.5	72.5	21.3	258.3	75.7	242.6	71.1	22.9	243.4	71.3	236.4	69.3	24.4	228.9	67.1	228.9	67.1	26.1				
5024	4059	67	19.4	293.4	86	204.5	59.9	22	281.5	82.5	200	58.6	23.8	269.3	78.9	195.4	57.3	25.6	256.8	75.3	190.7	55.9	27.5				
	0.14	72	22.2	318.1	93.2	161	47.2	22.6	305.3	89.5	156.6	45.9	24.5	292	85.6	152.1	44.6	26.4	285.1	83.6	149.8	43.9	27.4				
	9453	62	16.7	274	80.3	260.2	76.3	21.4	260	76.2	254.5	74.6	23	245.3	71.9	245.3	71.9	24.5	231.2	67.8	231.2	67.8	26.2				
	4461	67	19.4	298.3	87.4	214	62.7	22.1	286.1	83.9	209.5	61.4	23.9	273.7	80.2	204.8	60	25.7	260.8	76.4	200.1	58.6	27.7				
	0.14	72	22.2	323.3	94.7	167	48.9	22.8	310.1	90.9	162.6	47.7	24.7	296.3	86.8	158.1	46.3	26.6	289.2	84.8	155.8	45.7	27.6				
	5625	62	16.7	0	0	0	0	0	250.4	73.4	201	58.9	23.4	239.2	70.1	195.7	57.4	25	227.6	66.7	190.4	55.8	26.7				
	2555	67	19.4	284.2	83.3	175.6	51.5	22.5	271.5	79.6	170.2	49.9	24.2	259.3	76	165.1	48.4	25.9	247.6	72.6	160.2	47	27.8				
	0.09	72	22.2	306.3	89.8	143.6	42.1	23.2	294.4	86.3	139.1	40.8	25	282.2	82.7	134.5	39.4	26.9	269.6	79	129.7	38	28.9				
	9400	62	16.7	291.1	85.3	268.8	78.8	22.7	277.4	81.3	263	77.1	24.4	261.2	76.6	256.3	75.1	26	245.7	72	245.7	72	27.7				
	4436	67	19.4	316.7	92.8	222	65.1	23.5	303.7	89	217.1	63.6	25.4	290.3	85.1	212.1	62.2	27.2	276.6	81.1	206.9	60.6	29.3				
5028	0.14	72	22.2	343.4	100.7	174.5	51.1	24.2	329.4	96.5	169.7	49.7															

SKM Packaged Airconditioning Units

PACF Series - R-22

GROSS CAPACITY RATINGS - 50 Hz

Model PACF	AFR		EWB	Condenser Entering Air Temperature																							
	cfm	l/s		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		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW	MBh	kW					
																								(BPF)	°F	°C	
5033	7031	62	16.7	0	0	0	0	0	316.5	92.8	252.9	74.1	30.3	302.7	88.7	246.4	72.2	32.5	288.3	84.5	239.7	70.3	34.8				
	3318	67	19.4	358.9	105.2	221.1	64.8	29.1	343.2	100.6	214.3	62.8	31.4	327.7	96	207.8	60.9	33.6	313.2	91.8	201.8	59.1	36.1				
	0.09	72	22.2	386	113.1	180.7	53	30	371.4	108.8	175.1	51.3	32.4	356.2	104.4	169.4	49.7	34.9	348.5	102.1	166.5	48.8	36.2				
	11700	62	16.7	367.1	107.6	336.7	98.7	29.4	351.4	103	330.1	96.8	31.7	331.2	97.1	321.7	94.3	33.8	311.7	91.4	311.7	91.4	36.1				
	5522	67	19.4	398.8	116.9	278.2	81.5	30.4	382.8	112.2	272.1	79.8	32.9	366.3	107.4	265.9	77.9	35.4	357.9	104.9	262.7	77	36.7				
	0.13	72	22.2	432.2	126.7	218.8	64.1	31.3	414.9	121.6	212.9	62.4	34	396.8	116.3	206.9	60.6	36.7	387.5	113.6	203.8	59.7	38.1				
	12891	62	16.7	372.8	109.3	354.5	103.9	29.6	353.7	103.7	346.6	101.6	31.8	334	97.9	334	97.9	33.9	314.8	92.3	314.8	92.3	36.2				
	6084	67	19.4	405.6	118.9	291.4	85.4	30.6	389.2	114.1	285.3	83.6	33.1	372.3	109.1	279	81.8	35.6	363.7	106.6	275.8	80.8	37				
	0.14	72	22.2	439.4	128.8	227.2	66.6	31.5	421.5	123.6	221.3	64.9	34.2	402.8	118.1	215.2	63.1	36.9	393.2	115.3	212	62.2	38.4				
5035	7500	62	16.7	0	0	0	0	0	333.4	97.7	267.8	78.5	32.3	318.9	93.5	261	76.5	34.7	304	89.1	254.1	74.5	37.2				
	3540	67	19.4	377.1	110.5	233.4	68.4	31	360.8	105.7	226.4	66.4	33.4	345.3	101.2	219.9	64.4	36	330.1	96.8	213.6	62.6	38.7				
	0.09	72	22.2	406.1	119	190.6	55.9	32	390.8	114.6	184.8	54.2	34.6	375.1	109.9	178.8	52.4	37.4	366.9	107.6	175.8	51.5	38.8				
	12500	62	16.7	385.9	113.1	357	104.6	31.3	368	107.9	349.5	102.4	33.7	347.4	101.8	341	99.9	36.1	327.5	96	327.5	96	38.6				
	5899	67	19.4	419.3	122.9	294.6	86.3	32.4	402.5	118	288.3	84.5	35.1	385.3	112.9	281.8	82.6	37.8	376.5	110.4	278.5	81.6	39.3				
	0.14	72	22.2	454	133.1	231.1	67.7	33.4	435.9	127.8	225	65.9	36.3	416.9	122.2	218.6	64.1	39.2	407.1	119.3	215.4	63.1	40.8				
	13750	62	16.7	391.4	114.7	375.6	110.1	31.5	370.6	108.6	367	107.6	33.8	350.4	102.7	350.4	102.7	36.2	330.8	97	330.8	97	38.8				
	6489	67	19.4	426.2	124.9	308.4	90.4	32.6	409	119.9	302	88.5	35.3	391.4	114.7	295.5	86.6	38.1	382.4	112.1	292.2	85.6	39.6				
	0.14	72	22.2	461.2	135.2	239.9	70.3	33.6	442.4	129.7	233.7	68.5	36.5	422.9	124	227.3	66.6	39.5	412.9	121	224.1	65.7	41				
5039	8750	62	16.7	0	0	0	0	0	388.9	114	312.3	91.5	37.3	372.1	109.1	304.5	89.2	40	354.7	103.9	296.5	86.9	42.9				
	4130	67	19.4	439.9	128.9	272.3	79.8	35.7	420.9	123.4	264.1	77.4	38.6	402.8	118.1	256.5	75.2	41.5	385.3	112.9	249.3	73.1	44.6				
	0.09	72	22.2	473.8	138.9	222.3	65.2	36.8	456	133.7	215.6	63.2	39.9	437.6	128.3	208.7	61.2	43	428.2	125.5	205.1	60.1	44.7				
	14600	62	16.7	450.2	131.9	416.8	122.1	36.1	429.3	125.8	408	119.6	38.9	405.4	118.8	398.1	116.7	41.6	382.2	112	382.2	112	44.4				
	6890	67	19.4	489.3	143.4	343.9	100.8	37.3	469.8	137.7	336.5	98.6	40.4	449.8	131.8	329	96.4	43.5	439.5	128.8	325.1	95.3	45.2				
	0.14	72	22.2	528.8	155.3	269.8	79.1	38.5	508.8	149.1	262.7	77	41.8	486.7	142.6	255.3	74.8	45.2	475.3	139.3	251.5	73.7	47				
	16042	62	16.7	456.5	133.8	438.1	128.4	36.3	432.3	126.7	428.1	125.5	39	408.9	119.8	408.9	119.8	41.7	386.1	113.2	386.1	113.2	44.6				
	7571	67	19.4	497.2	145.7	359.8	105.5	37.5	477.3	139.9	352.3	103.3	40.7	456.8	133.9	344.8	101	43.9	446.3	130.8	340.9	99.9	45.5				
	0.14	72	22.2	538.2	157.7	279.9	82	38.7	516.3	151.3	272.7	79.9	42	493.6	144.7	265.3	77.7	45.5	482	141.3	261.5	76.6	47.3				
5040	8750	62	16.7	0	0	0	0	0	394.7	115.7	315.1	92.4	38.6	377.6	110.7	307.1	90	41.5	359.9	105.5	298.8	87.6	44.6				
	4130	67	19.4	447.1	131.1	275.4	80.7	37.1	427.8	125.4	267.1	78.3	40	408.5	119.7	258.9	75.9	43.1	390.6	114.5	251.7	73.7	46.5				
	0.09	72	22.2	480.7	140.9	225	65.9	38.2	462.6	135.6	218.1	63.9	41.5	443.9	130.1	211	61.9	44.8	434.3	127.3	207.4	60.8	46.6				
	14600	62	16.7	457.6	134.1	419.8	123.1	37.4	438.2	128.4	411.7	120.7	40.5	413.3	121.1	401.3	117.6	43.3	389.1	114.1	389.1	114.1	46.4				
	6890	67	19.4	496.8	145.6	346.7	101.6	38.7	477	139.8	339.2	99.4	42	456.6	133.8	331.5	97.2	45.4	446.2	130.8	327.6	96	47.2				
	0.14	72	22.2	538.2	157.7	272.6	79.9	40	516.7	151.4	265.3	77.8	43.5	494.4	144.9	257.8	75.6	47.1	482.8	141.5	254	74.4	49				
	16042	62	16.7	464.4	136.1	441.4	129.4	37.7	441	129.3	431.7	126.5	40.6	416.6	122.1	416.6	122.1	43.5	392.9	115.2	392.9	115.2	46.6				
	7571	67	19.4	505	148	362.8	106.3	39	484.7	142.1	355.1	104.1	42.3	463.8	135.9	347.3	101.8	45.7	453.1	132.8	343.4	100.7	47.5				
	0.14	72	22.2	546.7	160.2	282.8	82.9	40.3	524.7	153.8	275.4	80.7	43.8	501.5	147	267.8	78.5	47.4	489.7	143.5	264	77.4	49.3				
5042	8750	62	16.7	0	0	0	0	0	0	0	0	0	0	381.3	111.8	308.8	90.5	41.7	363.8	106.6	300.6	88.1	44.8				
	4130	67	19.4	451	132.2	277.1	81.2	37.2	431.8	126.6	268.8	78.8	40.2	412.2	120.8	260.5	76.3	43.2	394.5	115.6	253.1	74.2	46.5				
	0.09	72	22.2	484.3	141.9	226.4	66.4	38.2	466.4	136.7	219.5	64.3	41.5	447.9	131.3	212.6	62.3	44.8	438.5	128.5	209	61.3	46.6				
	14600	62	16.7	461.4	135.2	421.5	123.5	37.5	442.2	129.6	413.4	121.2	40.6	418.5	122.7	403.5	118.3	43.5	394.3	115.6	393.5	115.3	46.5				
	6890	67	19.4	500.8	146.8	348.2	102.1	38.7	481.2	141	340.8	99.9	42	461	135.1	333.2	97.7	45.4	450.7	132.1	329.3	96.5	47.1				
	0.14	72	22.2	542.5	159	274.1	80.4	39.9	521.3	152.8	266.9	78.2	43.4	499.3	146.4	259.5	76.1	47	487.9	143	255.7	74.9	48.9				
	16042	62	16.7	468.4	137.3	443	129.9	37.7	446.2	130.8	433.8	127.2	40.7	421.7	123.6	421.7	123.6	43.6	398	116.6	398	116.6	46.7				
	7571	67	19.4	509.1	149.2	364.3	106.8	39	489	143.3	356.7	104.6	42.3	468.3	137.3	349	102.3	45.7	457.8	134.2	345.1	101.2	47.5				
	0.14	72	22.2	551.2	161.6	284.3	83.3	40.1	529.5	155.2	277	81.2	43.7	506.6	148.5	269.5	79	47.3	494.9	145	265.7	77.9	49.2				
5047	10313	62	16.7	0	0	0	0	0	480.8	140.9	386.5	113.3	48	459.8	134.8	376.6	110.4	51.5	438.2	128.4	366.5	107.4	55.2				
	4867	67	19.4	542.3	159	336.9	98.7	46	518.7	152	326.6	95.7	49.6	496.6	145.6	317.1	92.9	53.4	474.7	139.1	307.9	90.3	57.4				
	0.05	72	22.2	582.8	170.8	274.9	80.6	47.5	560.6	164.3	266.3	78.1	51.4	537.7	157.6	257.6	75.5	55.5	526	154.2	253.2	74.2	57.6				
	17200	62	16.7	555.9	162.9	521.2	152.8	46.5	528.7	154.9	509.6	149.4	50.1	499.7	146.4	497.4	145.8	53.5	471.4	138.2	471.4	138.2	57.2				
	8117	67	19.4	602.3	176.5																						

SKM Packaged Airconditioning Units

PACF Series - R-22

GROSS CAPACITY RATINGS - 50 Hz

Model PACF	AFR		EWB	Condenser Entering Air Temperature																							
	cfm	l/s		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		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW		
(BPF)	°F	°C	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW
5055	11250	62	16.7	0	0	0	0	0	522.5	153.1	420.7	123.3	51.6	499.6	146.4	409.8	120.1	55.4	487.8	143	404.3	118.5	57.4				
	5309	67	19.4	590.6	173.1	367.1	107.6	49.7	564.8	165.6	355.8	104.3	53.5	540.8	158.5	345.5	101.3	57.5	528.9	155	340.5	99.8	59.7				
	0.05	72	22.2	636.3	186.5	300.1	88	51.3	612.1	179.4	290.7	85.2	55.5	587.1	172.1	281.2	82.4	59.8	574.3	168.3	276.4	81	62.1				
	18750	62	16.7	605.9	177.6	568.1	166.5	50.2	575.9	168.8	555.4	162.8	54	543.8	159.4	541.9	158.8	57.7	528.1	154.8	528.1	154.8	59.6				
	8849	67	19.4	658.4	193	468.2	137.2	52.1	631.8	185.2	458.1	134.3	56.3	604.5	177.2	447.9	131.3	60.7	590.5	173.1	442.6	129.7	63				
	0.09	72	22.2	712.5	208.8	366.9	107.5	53.8	683.7	200.4	356.9	104.6	58.3	653.3	191.5	346.7	101.6	63	0	0	0	0	0				
	20625	62	16.7	612.9	179.6	599.1	175.6	50.5	580.5	170.1	580.5	170.1	54.2	549.1	160.9	549.1	160.9	57.9	533.7	156.4	533.7	156.4	59.9				
	9734	67	19.4	670	196.4	492.2	144.3	52.4	642.7	188.4	482	141.3	56.7	614.7	180.2	471.4	138.2	61.2	600.3	176	466	136.6	63.5				
	0.1	72	22.2	724.6	212.4	381.9	111.9	54.2	694.4	203.5	371.8	109	58.7	663.3	194.4	361.5	106	63.5	0	0	0	0	0				
	12900	62	16.7	627.8	184	502.1	147.2	53.3	601.9	176.4	489.6	143.5	57.6	575.3	168.6	477	139.8	62	547.8	160.6	464.1	136	66.7				
5065	6088	67	19.4	677.8	198.7	425.4	124.7	55	651.7	191	414	121.3	59.7	624.7	183.1	402.4	117.9	64.5	610.9	179.1	396.6	116.2	67				
	0.02	72	22.2	735.4	215.5	349.1	102.3	56.9	707.1	207.3	338	99.1	61.9	678	198.7	326.9	95.8	67	663	194.3	321.3	94.2	69.7				
	21000	62	16.7	686.8	201.3	655.5	192.1	55.3	651.2	190.9	640.2	187.7	59.7	616.6	180.7	616.6	180.7	64.1	599.7	175.8	599.7	175.8	66.4				
	9911	67	19.4	754.9	221.3	542.5	159	57.6	724.3	212.3	530.7	155.5	62.6	692.8	203.1	518.8	152.1	67.7	676.7	198.3	512.8	150.3	70.4				
	0.04	72	22.2	816.3	239.3	424.2	124.3	59.5	782.4	229.3	412.5	120.9	64.8	747.5	219.1	400.5	117.4	70.1	729.7	213.9	394.6	115.6	73				
	23650	62	16.7	694	203.4	694	203.4	55.6	659.3	193.2	659.3	193.2	60	625.5	183.3	625.5	183.3	64.5	608.8	178.4	608.8	178.4	66.9				
	11162	67	19.4	771.1	226	578.7	169.6	58.1	739.5	216.7	566.8	166.1	63.2	706.9	207.2	554.5	162.5	68.4	690.3	202.3	548.3	160.7	71.1				
	0.05	72	22.2	832.3	243.9	446.5	130.9	60	797.3	233.7	434.8	127.4	65.3	761.4	223.2	422.9	123.9	70.7	743.1	217.8	416.9	122.2	73.6				
	14700	62	16.7	687	201.3	558.5	163.7	57.7	658.3	193	544.8	159.7	62.4	628.8	184.3	531	155.6	67.1	277.7	81.4	238.5	69.9	33.6				
	6938	67	19.4	743	217.8	472	138.3	59.7	714.1	209.3	459.5	134.7	64.7	684.1	200.5	446.9	131	69.8	668.8	196.1	440.5	129.1	72.5				
5070	0.02	72	22.2	805.7	236.2	385.2	112.9	61.8	774.3	226.9	373.2	109.4	67.1	742	217.4	361	105.8	72.5	725.3	212.6	354.7	103.9	75.4				
	23000	62	16.7	739.9	216.9	713.6	209.1	59.6	702.4	205.9	697.3	204.4	64.2	665.9	195.2	665.9	195.2	68.9	647.9	189.9	647.9	189.9	71.4				
	10855	67	19.4	819	240	591.8	173.4	62.2	785.4	230.2	578.9	169.7	67.5	751	220.1	566	165.9	72.9	733.4	214.9	559.4	163.9	75.8				
	0.04	72	22.2	884.5	259.2	461.7	135.3	64.2	847.3	248.3	448.9	131.5	69.8	809.2	237.1	435.9	127.8	75.5	367.1	107.6	198.5	58.2	36.6				
	26950	62	16.7	751.9	220.3	751.9	220.3	60	715.5	209.7	715.5	209.7	64.7	679.6	199.2	679.6	199.2	69.6	661.7	194	661.7	194	72.1				
	12719	67	19.4	842.1	246.8	645.6	189.2	62.9	807.1	236.6	632.4	185.4	68.3	769.6	225.6	618.5	181.3	73.8	747.7	219.2	610.6	178.9	76.5				
	0.05	72	22.2	907.2	265.9	495	145.1	64.9	868.5	254.5	482.1	141.3	70.5	828.9	243	469.2	137.6	76.4	376.1	110.2	213.8	62.7	37				
	14700	62	16.7	716	209.9	572.5	167.8	61.1	686.5	201.2	558.2	163.6	65.9	656	192.3	543.7	159.4	70.8	624.6	183.1	529	155.1	76				
	6938	67	19.4	772.9	226.5	485	142.1	63.2	743	217.8	471.9	138.3	68.3	712.2	208.8	458.7	134	73.6	696.4	204.1	452	132.5	76.4				
	0.02	72	22.2	838.4	245.7	397.9	116.6	65.4	806.1	236.3	385.3	112.9	70.8	772.8	226.5	372.6	109.2	76.4	755.7	221.5	366.2	107.3	79.4				
5075	23000	62	16.7	780.9	228.9	731.1	214.3	63.4	739.7	216.8	713.5	209.1	68.2	699.9	205.1	696.6	204.2	73	680.4	199.4	680.4	199.4	75.5				
	10855	67	19.4	854.2	250.4	605.4	177.5	65.9	819.6	240.2	592	173.5	71.3	784	229.8	578.4	169.5	77	765.8	224.5	571.6	167.5	79.9				
	0.04	72	22.2	924	270.8	475.4	139.3	68	885.7	259.6	462.1	135.4	73.8	846.2	248	448.5	131.5	79.8	826.1	242.1	441.6	129.4	82.9				
	26950	62	16.7	791.5	232	791.5	232	63.8	751.8	220.4	751.8	220.4	68.7	713.2	209	713.2	209	73.6	694.1	203.4	694.1	203.4	76.2				
	12719	67	19.4	879.1	257.7	659.6	193.3	66.7	842.9	247.1	645.9	189.3	72.2	805.7	236.2	631.9	185.2	78	786.7	230.6	624.8	183.1	81				
	0.05	72	22.2	948.7	278.1	508.9	149.2	68.8	908.6	266.3	495.5	145.2	74.6	867.5	254.3	481.8	141.2	80.7	0	0	0	0	0				
	16538	62	16.7	804.9	235.9	643.8	188.7	66.2	772.3	226.4	628	184.1	71.6	738.7	216.6	612	179.4	76.9	704.1	206.4	595.8	174.6	82.7				
	7805	67	19.4	870	255	545.8	160	68.1	836.4	245.1	531.2	155.7	73.9	802.5	235.2	516.6	151.4	79.8	767.3	224.9	501.8	147.1	86				
	0.02	72	22.2	943.7	276.6	447.9	131.3	70.3	908	266.2	433.9	127.2	76.4	871.3	255.3	419.9	123.1	82.6	833.3	244.2	405.5	118.9	89.3				
	25600	62	16.7	877.8	257.3	817.8	239.7	68.4	832.1	243.8	798.2	233.9	73.8	787.9	231	779.2	228.4	79.2	744.8	218.3	744.8	218.3	84.8				
5085	12082	67	19.4	956.6	281.3	677.5	198.6	70.7	921.5	270.1	662.7	194.2	76.8	882.4	258.6	647.7	189.8	83.1	842	246.7	632.4	185.4	89.7				
	0.04	72	22.2	1038.8	304.5	532.9	156.2	72.7	996.8	292.2	518.3	151.9	79.2	953.4	279.5	503.3	147.5	85.9	931.2	272.9	495.6	145.3	89.3				
	30318	62	16.7	890.7	261	890.6	261	68.7	846.6	248.2	846.6	248.2	74.3	803.9	235.6	803.9	235.6	79.9	761.7	223.3	761.7	223.3	85.7</				

GROSS CAPACITY RATINGS - 60 Hz

Notes :

1. Capacity ratings are based on 80°F (26.7°C) 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 Values are at 120°F (49°C) condenser 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 (25 - 27) should be referred for the same.

SKM Packaged Airconditioning Units

PACF Series - R-22

GROSS CAPACITY RATINGS - 60 Hz

Model PACF	AFR	Condenser Entering Air Temperature																									
	cfm	EWB		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*						
	l/s	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW	MBh	kW	MBh	kW	kW						
	(BPF)	°F	°C																								
6037	7031	62	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	332.6	97.5	265.8	77.9	41.5						
	3318	67	19.4	415.6	121.8	250.3	73.4	35	397.6	116.5	242.1	71	37.7	379.1	111.1	233.8	68.5	40.3	360.1	105.5	225.4	66.1	43.2				
	0.06	72	22.2	443.8	130.1	206.1	60.4	36	426.8	125.1	199.2	58.4	38.9	409.6	120.1	192.3	56.4	41.9	400.8	117.5	188.8	55.3	43.4				
	11700	62	16.7	430.5	126.2	376.5	110.4	35.5	412	120.8	368.4	108	38.3	392.3	115	359.8	105.4	41	368.2	107.9	349.4	102.4	43.7				
	5522	67	19.4	466.7	136.8	313.5	91.9	36.8	448	131.3	306	89.7	39.7	428.7	125.7	298.5	87.5	42.7	418.9	122.8	294.7	86.4	44.3				
	0.09	72	22.2	505.9	148.3	250	73.3	38	485.6	142.3	242.8	71.2	41.2	464.8	136.2	235.6	69	44.3	454.1	133.1	231.8	67.9	46				
	12891	62	16.7	438.7	128.6	396.7	116.3	35.8	419.9	123.1	388.6	113.9	38.6	395.6	116	378.3	110.9	41.2	372.1	109.1	368.4	108	44				
	6084	67	19.4	476.4	139.6	328.7	96.3	37.1	457.1	134	321.2	94.1	40.1	437.3	128.2	313.6	91.9	43.1	427.1	125.2	309.8	90.8	44.8				
	0.1	72	22.2	516.1	151.3	259.8	76.2	38.4	495.2	145.1	252.6	74	41.5	473.6	138.8	245.1	71.8	44.7	462.3	135.5	241.2	70.7	46.4				
	7500	62	16.7	0	0	0	0	0	0	0	0	0	0	0	367.9	107.8	289.9	85	41.5	350.8	102.8	281.6	82.5	44.5			
6041	3540	67	19.4	436.9	128.1	264	77.4	37.3	418.2	122.6	255.5	74.9	40.2	398.9	116.9	247	72.4	43.1	389.1	114	242.6	71.1	44.7				
	0.06	72	22.2	466.7	136.8	217.1	63.6	38.4	449.4	131.7	210.1	61.6	41.5	431.4	126.4	202.9	59.5	44.8	422.2	123.7	199.3	58.4	46.5				
	12500	62	16.7	452.6	132.7	399	116.9	37.9	433.3	127	390.5	114.5	40.8	411.2	120.5	380.9	111.7	43.8	398.8	116.9	375.6	110.1	45.2				
	5899	67	19.4	490.7	143.8	331.8	97.2	39.2	471.2	138.1	324	95	42.4	451.1	132.2	316.2	92.7	45.7	440.8	129.2	312.2	91.5	47.5				
	0.09	72	22.2	531.5	155.8	263.9	77.3	40.6	510.3	149.6	256.4	75.2	44	488.6	143.2	248.8	72.9	47.4	477.2	139.9	244.9	71.8	49.3				
	13750	62	16.7	460.9	135.1	420.1	123.1	38.2	438.5	128.8	411	120.5	41.1	414.8	121.6	400.5	117.4	43.9	402.7	118	395.4	115.9	45.4				
	6489	67	19.4	500.5	146.7	347.6	101.9	39.6	480.4	140.8	339.8	99.6	42.8	459.8	134.8	332	97.3	46.1	449.2	131.7	328	96.1	47.9				
	0.1	72	22.2	541.8	158.8	274.1	80.3	40.9	520	152.4	266.6	78.1	44.3	497.2	145.7	258.7	75.8	47.8	0	0	0	0	0				
	8750	62	16.7	0	0	0	0	0	0	0	0	0	0	0	428	125.5	337.6	99	48	408.1	119.6	328	96.1	51.6			
	4130	67	19.4	508.2	148.9	307.3	90.1	43.2	486.4	142.6	297.5	87.2	46.6	464	136	287.5	84.3	50	452.6	132.6	282.5	82.8	51.8				
6043	0.06	72	22.2	543.1	159.2	252.7	74.1	44.5	522.9	153.2	244.6	71.7	48.2	502	147.1	236.2	69.2	51.9	491.2	144	232	68	53.9				
	14600	62	16.7	526.6	154.3	465.1	136.3	43.9	504.1	147.8	455.2	133.4	47.4	478	140.1	443.9	130.1	50.7	463.6	135.9	437.7	128.3	52.4				
	6890	67	19.4	571	167.4	386.6	113.3	45.5	548.2	160.7	377.6	110.7	49.2	524.8	153.8	368.5	108	53	512.9	150.3	363.8	106.6	55				
	0.1	72	22.2	618.4	181.2	307.3	90.1	47.1	593.8	174	298.7	87.6	51	568.4	166.6	289.9	85	55	555.2	162.7	285.3	83.6	57.1				
	16042	62	16.7	536	157.1	489.4	143.5	44.2	510.8	149.7	478.6	140.3	47.6	482.2	141.3	466.5	136.7	50.9	468.2	137.2	460.6	135	52.6				
	7571	67	19.4	582.3	170.7	404.9	118.7	45.9	558.8	163.8	395.8	116	49.6	534.8	156.7	386.8	113.4	53.5	522.5	153.1	382.1	112	55.5				
	0.1	72	22.2	630.2	184.7	319.1	93.5	47.5	604.9	177.3	310.4	91	51.4	578.3	169.5	301.2	88.3	55.4	0	0	0	0	0				
	8750	62	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	413.9	121.3	330.8	96.9	53.5				
	4130	67	19.4	516.2	151.3	311.1	91.2	44.8	494	144.8	300.9	88.2	48.3	471.2	138.1	290.7	85.2	51.9	459.6	134.7	285.5	83.7	53.8				
	0.06	72	22.2	550.9	161.5	256	75	46.2	530.1	155.4	247.5	72.5	50	508.8	149.1	238.9	70	53.9	497.9	145.9	234.6	68.8	56.1				
6044	14600	62	16.7	534.9	156.8	468.7	137.4	45.6	512.1	150.1	458.7	134.4	49.2	487.3	142.8	447.9	131.3	52.8	472.4	138.5	441.5	129.4	54.6				
	6890	67	19.4	579.6	169.9	390	114.3	47.2	556.4	163.1	380.8	111.6	51.1	532.5	156.1	371.5	108.9	55.2	520.3	152.5	366.7	107.5	57.3				
	0.1	72	22.2	627.8	184	310.7	91.1	48.9	602.7	176.7	301.8	88.5	53.1	576.9	169.1	292.8	85.8	57.5	0	0	0	0	0				
	16042	62	16.7	544.6	159.6	493.1	144.5	45.9	521.1	152.7	483	141.6	49.6	491.3	144	470.4	137.9	53	476.7	139.7	464.2	136.1	54.8				
	7571	67	19.4	591.1	173.3	408.4	119.7	47.7	567.2	166.3	399.1	117	51.6	542.7	159.1	389.8	114.2	55.7	530.2	155.4	385	112.9	57.9				
	0.1	72	22.2	639.9	187.6	322.5	94.5	49.3	614.1	180	313.6	91.9	53.6	587.2	172.1	304.3	89.2	58	0	0	0	0	0				
	8750	62	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	419.5	123	333.5	97.7	53.5				
	4130	67	19.4	522.1	153	313.8	92	44.7	500.2	146.6	303.7	89	48.3	477.6	140	293.5	86	51.8	454.4	133.2	283.3	83	55.6				
	0.06	72	22.2	557.6	163.4	258.7	75.8	46	535.9	157.1	249.8	73.2	49.7	514.9	150.9	241.4	70.7	53.7	504.1	147.8	237.1	69.5	55.7				
	14600	62	16.7	541	158.6	471.5	138.2	45.4	518.4	152	461.5	135.3	49	495.5	145.2	451.4	132.3	52.7	480.7	140.9	445.1	130.5	54.5				
6046	6890	67	19.4	586	171.7	392.6	115.1	46.9	563.1	165	383.4	112.4	50.8	539.4	158.1	374.2	109.7	54.8	527.4	154.6	369.5	108.3	56.9				
	0.1	72	22.2	634.9	186.1	313.2	91.8	48.5	610.1	178.8	304.4	89.2	52.6	584.6	171.3	295.5	86.6	56.9	571.5	167.5	290.9	85.3	59.1				
	16042	62	16.7	551	161.5	495.9	145.4	45.7	527.8	154.7	485.9	142.4	49.4	499.6	146.4	473.8	138.9	52.9	484.9	142.1	467.7	137.1	54.7				
	7571	67	19.4	597.7	175.2	410.9	120.4	47.3	574.1	168.3	401.7	117.7	51.2	549.9	161.2	392.5	115	55.3	537.5	157.5	387.8	113.7	57.4				
	0.1	72	22.2	647.3	189.7	325.1	95.3	48.8	621.7	182.2	316.2	92.7	53	595.4	174.5	307.1	90	57.3	581.6	170.5	302.4	88.6	59.6				
	10313	62	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	502.1	147.2	401.6	117.7	65.9				
	4867	67	19.4	624.6	183.1	377.5	110.7	55.4	597.7	175.2	365.1	107	58.6	570.3	167.1	352.7	103.4	63.9	556.3	163	346.4	101.5	66.1				
	0.02	72	22.2	665	194.9	310.3	90.9	56.9	640.1	187.6	300	87.9	61.5	614.4	180.1	289.6	84.9	66.3	601.2	176.2	284.3	83.3	68.8				
	17200	62	16.7	638.8	187.5	570.2	167.1	56	6121																		

SKM Packaged Airconditioning Units

PACF Series - R-22

GROSS CAPACITY RATINGS - 60 Hz

Model PACF	AFR	Condenser Entering Air Temperature																									
		EWB		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		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW	MBh	kW		MBh	kW		
(BPF)	°F	°C	MBh	kW	MBh	kW	PI*	MBh	kW	MBh	kW	PI*	MBh	kW	MBh	kW	PI*	MBh	kW	MBh	kW	PI*					
6065	11250	62	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	558.1	163.6	443.1	129.9	68.5					
	5309	67	19.4	678.9	199	410.7	120.4	59.7	649.6	190.4	397.2	116.4	64.2	619.5	181.6	383.6	112.4	68.9	604.1	177.1	376.7	110.4	71.3				
	0.02	72	22.2	724.5	212.4	338.1	99.1	61.5	697.3	204.4	326.9	95.8	66.5	669.2	196.1	315.5	92.5	71.6	654.8	191.9	309.8	90.8	74.4				
	18750	62	16.7	696	204	621	182	60.4	666.3	195.3	607.9	178.2	65	636.1	186.4	594.6	174.3	69.8	616.9	180.8	586.3	171.9	72.1				
	8849	67	19.4	753.3	220.8	515.3	151	62.6	723.2	212	503.3	147.5	67.6	692.2	202.9	491.1	143.9	72.8	676.3	198.2	484.9	142.1	75.6				
	0.04	72	22.2	815.7	239.1	409	119.9	65	783.2	229.6	397.5	116.5	70.2	749.7	219.7	385.8	113.1	75.7	0	0	0	0	0				
	20625	62	16.7	707.7	207.4	655.4	192.1	60.8	677.3	198.5	642.3	188.3	65.5	641	187.9	626.8	183.7	70.1	621.7	182.2	618.7	181.3	72.4				
	9734	67	19.4	767.2	224.9	540.9	158.5	63.2	736.2	215.8	528.8	155	68.2	704.4	206.5	516.7	151.4	73.5	0	0	0	0	0				
	0.05	72	22.2	830.3	243.4	425.4	124.7	65.5	796.9	233.6	413.7	121.3	70.8	762.3	223.4	401.8	117.8	76.3	0	0	0	0	0				
6075	12900	62	16.7	0	0	0	0	0	699.9	205.2	540.8	158.5	69.2	669.2	196.2	525.3	154	74.5	637.5	186.8	509.6	149.4	80.1				
	6088	67	19.4	790.9	231.8	478.8	140.3	66.5	756.3	221.7	462.6	135.6	71.8	724.7	212.4	448.2	131.4	77.5	708.8	207.7	441.1	129.3	80.5				
	0.01	72	22.2	852.9	250	398.2	116.7	68.7	820.4	240.5	384.6	112.7	74.6	786.8	230.6	370.9	108.7	80.7	769.5	225.6	363.9	106.7	84				
	21000	62	16.7	808.1	236.8	716.6	210	67.1	768.3	225.2	698.9	204.8	72.4	725.5	212.6	680.1	199.3	77.5	704.5	206.5	671	196.7	80.3				
	9911	67	19.4	878.1	257.4	597.1	175	69.6	842.7	247	582.8	170.8	75.6	806.3	236.3	568.2	166.6	81.7	787.6	230.9	560.9	164.4	85				
	0.02	72	22.2	950.4	278.6	474.8	139.2	72	912	267.3	461.2	135.2	78.4	871.5	255.4	446.9	131	85	0	0	0	0	0				
	23650	62	16.7	819.2	240.1	764.9	224.2	67.5	776.1	227.5	746.2	218.7	72.7	734.4	215.3	728.4	213.5	78	714	209.3	714	209.3	80.8				
	11162	67	19.4	897.6	263.1	634.4	185.9	70.3	861	252.4	620.1	181.8	76.3	823.4	241.3	605.5	177.5	82.6	804.1	235.7	598.3	175.4	85.9				
	0.02	72	22.2	970.7	284.5	498.7	146.2	72.6	930	272.6	484.5	142	79.1	888.3	260.4	470	137.8	85.9	0	0	0	0	0				
6080	14701	62	16.7	799.6	234.4	617.3	181	69.5	766.5	224.7	600.5	176	75	732.5	214.7	583.7	171.1	80.5	715	209.6	575.1	168.5	83.5				
	6938	67	19.4	863.6	253.1	528	154.7	71.9	829.1	243	512.3	150.2	77.8	794.7	232.9	496.8	145.6	83.9	777	227.7	489	143.3	87.1				
	0.01	72	22.2	935.6	274.2	438.6	128.5	74.5	899.4	263.6	423.8	124.2	80.7	862.2	252.7	408.8	119.9	87.2	843.1	247.1	401.2	117.5	90.6				
	23000	62	16.7	874.3	256.3	780.7	228.8	72.3	828.1	242.8	760.2	222.8	77.7	783	229.4	740.3	217	83.2	760.9	223	730.8	214.2	86.1				
	10855	67	19.4	953.6	279.5	651	190.8	75.1	914.9	268.1	635.5	186.3	81.4	875	256.5	619.6	181.6	87.9	854.6	250.5	611.6	179.2	91.4				
	0.02	72	22.2	1031.4	302.3	516.9	151.6	77.6	988.9	289.9	501.9	147.1	84.3	944.7	276.9	486.3	142.5	91.2	0	0	0	0	0				
	26950	62	16.7	886.1	259.8	851.1	249.4	72.8	841.2	246.6	831.8	243.8	78.3	797.4	233.7	797.4	233.7	84	775.8	227.4	775.8	227.4	87				
	12719	67	19.4	981.5	287.7	706.8	207.2	76.1	941	275.8	691.1	202.5	82.4	899.4	263.7	675.4	198	89.1	407.6	119.5	307.8	90.2	43.3				
	0.02	72	22.2	1059.4	310.5	552	161.8	78.5	1014.5	297.4	536.5	157.3	85.3	968.5	283.8	520.6	152.6	92.3	0	0	0	0	0				
6085	14700	62	16.7	0	0	0	0	0	799	234.2	617	180.8	79.1	764	223.9	599.2	175.6	84.9	746	218.6	590.3	173	87.9				
	6938	67	19.4	902.9	264.6	546.4	160.1	76.1	863.4	253.1	527.9	154.7	82	827.1	242.4	511.3	149.9	88.2	808.9	237.1	503.2	147.5	91.6				
	0.01	72	22.2	973.4	285.3	454.3	133.2	78.7	936.2	274.4	438.8	128.6	85.1	897.8	263.2	423.1	124	91.8	878.2	257.4	415.1	121.7	95.3				
	23000	62	16.7	915.9	268.5	799.4	234.3	76.6	874.8	256.4	780.9	228.9	82.5	825.2	241.9	758.9	222.4	88.1	801	234.8	748.2	219.3	91.1				
	10855	67	19.4	994.5	291.5	667.6	195.7	79.4	954.4	279.7	651.4	190.9	85.9	913.3	267.7	634.8	186.1	92.5	892.2	261.5	626.4	183.6	96.1				
	0.02	72	22.2	1076.4	315.5	533.3	156.3	82.1	1033	302.8	517.5	151.7	88.9	987.8	289.5	501.5	147	96	0	0	0	0	0				
	26950	62	16.7	935.6	274.2	872.5	255.7	77.3	886.3	259.8	851.1	249.5	83	838.5	245.8	830.7	243.5	88.8	815.1	238.9	815.1	238.9	91.9				
	12719	67	19.4	1024.4	300.2	723.5	212.1	80.4	982.6	288	707.2	207.3	87	939.6	275.4	690.5	202.4	93.8	917.6	269	682.3	200	97.4				
	0.02	72	22.2	1107.6	324.6	568.8	166.7	83.1	1061.3	311.1	552.6	162	90	1013.7	297.1	536.1	157.1	97.1	0	0	0	0	0				
6095	16538	62	16.7	0	0	0	0	0	897.2	263	693.3	203.2	86.2	858.5	251.6	673.7	197.5	92.6	818.4	239.9	653.8	191.6	99.4				
	7805	67	19.4	1013.5	297	613.6	179.8	82.5	970.1	284.4	593.3	173.9	89.2	929.8	272.5	575	168.5	96	889.4	260.7	556.9	163.2	103.5				
	0.01	72	22.2	1093.3	320.5	510.4	149.6	85	1052.3	308.4	493.3	144.6	92.3	1009.9	296.1	476	139.5	99.7	988.2	289.7	467.2	136.9	103.5				
	25800	62	16.7	1026.2	300.8	893	261.7	82.9	980.6	287.4	872.4	255.7	89.5	926.8	271.7	848.5	248.6	95.9	873.7	256	825.1	241.9	102.6				
	12082	67	19.4	1114.7	326.7	746.5	218.8	85.7	1070.6	313.8	728.5	213.5	92.9	1025.4	300.6	710.2	208.1	100.3	1002.2	293.7	701	205.4	104.1				
	0.02	72	22.2	1207.3	353.9	597	175	88.4	1159.6	339.9	579.6	169.9	96	1109.8	325.3	561.9	164.7	103.8	1084.2	317.7	552.8	162	107.9				
	30318	62	16.7	1050.1	307.8	980.5	287.4	83.7	995.6	291.8	956.9	280.4	90.1	942.8	276.3	934.3	273.9	96.6	891.3	261.3	891.3	261.3	103.6				
	14309	67	19.4	1150.9	337.3	813.4	238.4	86.8	1104.8	323.8	795.4	233.1	94.2	1057.3	309.9	776.9	227.8	101.6	1033	302.7	767.8	225	105.6				
	0.02	72	22.2	1245	364.9	639.4	187.4	89.5	1194	349.9	621.6	182.2	97.2	1141.4	334.6	603.5	176.9	105.1	1114.6	326.7	594.2	174.1	109.2				
6105	19125	62	16.7	1042.9	305.7	804.3	235.8	88.3	1000.6	293.3	782.9	229.5	95.4	957.1	280.5	761.4	223.2	102.5	912.2	267.4	739.4	216.7	110.1				
	9026	67	19.4	1126.7	330.2	688.4	201.8	91	1082.5	317.3	668.2	195.8	96.5	1038.5	304.4	648.5	190.1	106.3	993.1	291.1	628.4	184.2	114.6				
	0.01	72	22.2	1221	357.9																						

SKM Packaged Airconditioning Units

PACF Series - R-22

FAN PERFORMANCE - 50Hz

PACF	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
5011	2688	1268	0.35	87.25	492	0.3	576	0.4	654	0.5	726	0.6	793	0.72	855	0.83	913	0.95	968	1.08	1020	1.2	1069	1.33
	4500	2124	1.03	256.27	741	1.2	794	1.33	846	1.48	897	1.63	947	1.78	995	1.94	1042	2.11	1088	2.28	1132	2.45	1175	2.63
	4927	2325	1.25	310.35	805	1.55	854	1.7	902	1.85	949	2.01	995	2.18	1040	2.35	1084	2.52	1127	2.7	1169	2.89	0	0
5014	3500	1652	0.35	87.23	509	0.47	579	0.57	647	0.68	712	0.79	775	0.92	834	1.05	891	1.19	946	1.33	998	1.47	1048	1.62
	5800	2737	1.01	250.64	777	1.89	821	2.04	864	2.2	906	2.36	948	2.52	990	2.7	1031	2.87	1071	3.06	1111	3.25	1150	3.44
	6417	3028	1.25	310.39	854	2.54	893	2.7	932	2.87	971	3.04	1009	3.22	1047	3.41	1085	3.6	1122	3.79	1159	3.99	1195	4.2
5020	4375	2065	0.32	79.09	-	-	703	0.72	800	0.89	890	1.06	975	1.25	1055	1.44	1129	1.64	1200	1.85	1266	2.07	1329	2.29
	7300	3445	0.94	234.43	910	2.28	972	2.5	1034	2.74	1096	2.98	1156	3.24	-	-	-	-	-	-	-	-	-	-
	8021	3785	1.15	286.84	992	2.98	1049	3.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5021	4375	2065	0.32	79.09	-	-	703	0.72	800	0.89	890	1.06	975	1.25	1055	1.44	1129	1.64	1200	1.85	1266	2.07	1329	2.29
	7300	3445	0.94	234.43	910	2.28	972	2.5	1034	2.74	1096	2.98	1156	3.24	-	-	-	-	-	-	-	-	-	-
	8021	3785	1.15	286.84	992	2.98	1049	3.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5024	5156	2433	0.32	79.08	-	-	592	0.78	677	0.99	754	1.21	825	1.44	891	1.69	954	1.94	1012	2.2	1067	2.47	1119	2.74
	8600	4058	0.94	234.22	749	2.26	807	2.55	864	2.84	920	3.16	974	3.48	1027	3.81	1077	4.16	1127	4.52	1174	4.88	-	-
	9453	4461	1.15	286.82	816	2.97	870	3.27	922	3.59	973	3.92	1024	4.27	1072	4.63	1120	4.99	1167	5.38	-	-	-	-
5028	5625	2654	0.32	79.09	-	-	590	0.86	672	1.08	747	1.31	818	1.55	884	1.81	946	2.07	1006	2.34	1061	2.62	1113	2.9
	9400	4436	0.94	235.2	759	2.64	814	2.93	867	3.23	920	3.55	971	3.88	1021	4.22	1070	4.58	1118	4.95	1165	5.32	-	-
	10313	4867	1.15	286.85	827	3.44	877	3.76	926	4.08	974	4.42	1022	4.79	1069	5.15	1115	5.52	1160	5.91	-	-	-	-
5029	6250	2949	0.32	79.09	-	-	591	0.99	668	1.21	741	1.45	810	1.71	875	1.98	936	2.25	996	2.54	1052	2.83	1104	3.13
	10400	4908	0.94	233.03	774	3.17	824	3.47	874	3.78	922	4.11	972	4.46	1020	4.82	1066	5.18	1112	5.56	1157	5.95	-	-
	11458	5407	1.15	286.81	847	4.19	892	4.52	937	4.86	982	5.21	1027	5.57	1070	5.95	1113	6.34	1156	6.74	1198	7.15	-	-
5030	6250	2949	0.32	79.09	-	-	591	0.99	668	1.21	741	1.45	810	1.71	875	1.98	936	2.25	996	2.54	1052	2.83	1104	3.13
	10400	4908	0.94	233.03	774	3.17	824	3.47	874	3.78	922	4.11	972	4.46	1020	4.82	1066	5.18	1112	5.56	1157	5.95	-	-
	11458	5407	1.15	286.81	847	4.19	892	4.52	937	4.86	982	5.21	1027	5.57	1070	5.95	1113	6.34	1156	6.74	1198	7.15	-	-
5033	7031	3318	0.32	79.08	-	-	596	1.19	668	1.42	736	1.67	803	1.93	866	2.21	926	2.5	985	2.8	1040	3.12	1093	3.43
	11700	5521	0.94	233.03	803	4.03	848	4.34	893	4.67	937	5.01	983	5.37	1022	5.7	1069	6.12	1112	6.51	1154	6.92	1195	7.33
	12891	6083	1.15	286.84	879	5.34	920	5.68	961	6.03	1002	6.4	1042	6.78	1082	7.17	1121	7.57	1161	7.99	1199	8.41	-	-
5035	7500	3539	0.32	79.09	533	1.12	602	1.33	670	1.57	736	1.82	800	2.09	862	2.37	921	2.67	979	2.98	1034	3.31	1086	3.63
	12500	5899	0.94	233.85	824	4.65	867	4.98	909	5.32	952	5.67	993	6.03	1035	6.41	1076	6.75	1116	7.19	1156	7.61	1196	8.02
	13750	6489	1.15	286.82	901	6.14	940	6.5	979	6.86	1017	7.24	1055	7.63	1093	8.03	1131	8.44	1168	8.86	-	-	-	-
5039	8750	4129	0.32	79.09	429	1.11	497	1.4	560	1.7	619	2.02	675	2.36	727	2.71	778	3.08	825	3.45	871	3.84	915	4.25
	14600	6890	0.94	234.43	651	4.44	695	4.89	737	5.35	778	5.83	818	6.31	857	6.81	895	7.31	932	7.83	968	8.36	-	-
	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	-	-	-	-
5040	8750	4129	0.32	79.09	429	1.11	497	1.4	560	1.7	619	2.02	675	2.36	727	2.71	778	3.08	825	3.45	871	3.84	915	4.25
	14600	6890	0.94	234.43	651	4.44	695	4.89	737	5.35	778	5.83	818	6.31	857	6.81	895	7.31	932	7.83	968	8.36	-	-
	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	-	-	-	-
5042	8750	4129	0.32	79.09	429	1.11	497	1.4	560	1.7	619	2.02	675	2.36	727	2.71	778	3.08	825	3.45	871	3.84	915	4.25
	14600	6890	0.94	234.43	651	4.44	695	4.89	737	5.35	778	5.83	818	6.31	857	6.81	895	7.31	932	7.83	968	8.36	-	-
	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	-	-	-	-
5047	10313	4867	0.39	97.07	466	1.6	526	1.93	583	2.27	638	2.62	689	2.99	739	3.38	786	3.77	831	4.18	875	4.61	917	5.04
	17200	8117	1	248.83	694	6.28	733	6.78	770	7.3	807	7.83	843	8.36	878	8.91	913	9.47	947	10.04	981	10.61	-	-
	18906	8922	1.19	295.26	752	8.16	787	8.71	822	9.27	855	9.84	889	10.42	922	11.01	954	11.61	986	12.22	-	-	-	-
5048	10313	4867	0.39	97.07	466	1.6	526	1.93	583	2.27	638	2.62	689	2.99	739	3.38	786	3.77	831	4.18	875	4.61	917	5.04
	17200	8117	1	248.83	694	6.28	733	6.78	770	7.3	807	7.83	843	8.36	878	8.91	913	9.47	947	10.04	981	10.61	-	-
	18906	8922	1.19	295.26	752	8.16	787	8.71	822	9.27	855	9.84	889	10.42	922	11.01	954	11.61	986	12.22	-	-	-	-
5049	10313	4867	0.39	97.07	466	1.6	526	1.93	583	2.27	638	2.62	689	2.99	739	3.38	786	3.77	831	4.18	875	4.61	917	5.04
	17200	8117	1	248.83	694	6.28	733	6.78	770	7.3	807	7.83	843	8.36	878	8.91	913	9.47	947	10.04	981	10.61	-	-
	18906	8922	1.19	295.26	752	8.16	787	8.71	822	9.27	855	9.84	889	10.42	922	11.01	954	11.61	986	12.22	-	-	-	-
5055	11250	5309	0.39	97.07	477	1.89	533	2.23	588	2.59	640	2.96	689	3.35	737	3.75	783	4.17	827	4.59	870	5.03	911	5.48
	18750	8848	1	248.5	716	7.52	752	8.06</																

SKM Packaged Airconditioning Units

PACF Series - R-22

FAN PERFORMANCE - 60Hz

PACF	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
6012	2688	1268	0.4	98.95	513	0.33	595	0.42	672	0.52	742	0.63	808	0.74	869	0.86	927	0.98	981	1.11	1032	1.23	1081	1.36
	4500	2124	1.17	291.76	779	1.29	832	1.43	883	1.58	933	1.74	981	1.9	1029	2.06	1075	2.23	1119	2.4	1163	2.58	-	-
	4927	2325	1.42	353.89	848	1.68	896	1.83	943	1.99	989	2.16	1034	2.33	1078	2.5	1122	2.68	1164	2.87	-	-	-	-
6015	3500	1652	0.4	98.92	525	0.49	595	0.59	662	0.7	727	0.82	789	0.95	848	1.08	904	1.22	958	1.36	1010	1.5	1059	1.65
	5800	2737	1.15	285.31	808	2	851	2.15	893	2.31	935	2.47	977	2.64	1018	2.82	1059	3	1099	3.19	1138	3.38	1177	3.58
	6417	3028	1.42	353.94	889	2.68	927	2.85	966	3.02	1004	3.2	1042	3.38	1080	3.57	1117	3.77	1154	3.97	1191	4.17	-	-
6022	4375	2065	0.36	90.78	-	-	726	0.76	821	0.93	911	1.1	994	1.29	1072	1.49	1146	1.69	1215	1.9	1281	2.12	1344	2.34
	7300	3445	1.08	269.64	954	2.43	1016	2.67	1078	2.91	1138	3.16	-	-	-	-	-	-	-	-	-	-	-	-
	8021	3785	1.33	330.38	1042	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6023	4375	2065	0.36	90.78	-	-	726	0.76	821	0.93	911	1.1	994	1.29	1072	1.49	1146	1.69	1215	1.9	1281	2.12	1344	2.34
	7300	3445	1.08	269.64	954	2.43	1016	2.67	1078	2.91	1138	3.16	-	-	-	-	-	-	-	-	-	-	-	-
	8021	3785	1.33	330.38	1042	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6027	5156	2433	0.36	90.78	-	-	613	0.82	695	1.04	771	1.26	841	1.5	906	1.75	966	1.99	1023	2.25	1078	2.52	1129	2.79
	8600	4058	1.08	269.39	790	2.46	848	2.76	903	3.06	958	3.38	1011	3.71	1062	4.05	1112	4.41	1160	4.77	-	-	-	-
	9453	4461	1.33	330.35	863	3.23	915	3.55	968	3.89	1019	4.23	1068	4.59	1115	4.96	1162	5.33	-	-	-	-	-	-
6031	5625	2654	0.36	90.78	-	-	610	0.91	690	1.13	764	1.36	834	1.61	899	1.87	959	2.12	1017	2.39	1071	2.67	1123	2.96
	9400	4436	1.09	270.54	798	2.84	852	3.14	905	3.46	958	3.79	1009	4.13	1058	4.49	1106	4.85	1153	5.23	1199	5.61	-	-
	10313	4867	1.33	330.4	870	3.72	919	4.04	970	4.39	1017	4.74	1064	5.11	1110	5.48	1155	5.87	1199	6.27	-	-	-	-
6032	6250	2949	0.36	90.78	529	0.84	609	1.04	685	1.27	757	1.51	825	1.77	890	2.04	950	2.31	1008	2.6	1062	2.89	1115	3.19
	10400	4908	1.08	268.03	809	3.38	859	3.69	908	4.01	958	4.35	1006	4.71	1052	5.07	1098	5.44	1144	5.83	1188	6.23	-	-
	11458	5407	1.33	330.34	886	4.48	932	4.82	978	5.17	1022	5.53	1066	5.91	1109	6.3	1152	6.7	1194	7.11	-	-	-	-
6034	6250	2949	0.36	90.78	529	0.84	609	1.04	685	1.27	757	1.51	825	1.77	890	2.04	950	2.31	1008	2.6	1062	2.89	1115	3.19
	10400	4908	1.08	268.03	809	3.38	859	3.69	908	4.01	958	4.35	1006	4.71	1052	5.07	1098	5.44	1144	5.83	1188	6.23	-	-
	11458	5407	1.33	330.34	886	4.48	932	4.82	978	5.17	1022	5.53	1066	5.91	1109	6.3	1152	6.7	1194	7.11	-	-	-	-
6037	7031	3318	0.36	90.78	540	1.03	613	1.24	684	1.48	752	1.73	818	2	880	2.28	940	2.57	996	2.87	1051	3.18	1103	3.5
	11700	5521	1.08	268.03	834	4.25	879	4.57	924	4.91	970	5.26	1013	5.62	1057	6	1099	6.39	1141	6.79	1183	7.2	-	-
	12891	6083	1.33	330.38	915	5.64	957	5.99	998	6.36	1038	6.74	1078	7.13	1117	7.53	1157	7.94	1196	8.37	-	-	-	-
6041	7500	3539	0.36	90.78	549	1.17	618	1.38	686	1.62	751	1.88	815	2.15	876	2.44	934	2.74	990	3.04	1044	3.36	1096	3.69
	12500	5899	1.08	268.97	854	4.88	896	5.22	939	5.57	981	5.92	1022	6.29	1063	6.67	1104	7.07	1144	7.48	1184	7.89	-	-
	13750	6489	1.33	330.36	935	6.46	975	6.82	1014	7.2	1052	7.59	1090	7.98	1127	8.38	1164	8.82	-	-	-	-	-	-
6043	8750	4129	0.36	90.78	445	1.17	512	1.47	574	1.77	632	2.1	687	2.44	739	2.8	789	3.16	836	3.54	882	3.94	925	4.34
	14600	6890	1.08	269.64	682	4.76	724	5.22	766	5.69	806	6.17	845	6.66	884	7.16	921	7.68	957	8.2	993	8.73	-	-
	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	-	-	-	-	-	-
6044	8750	4129	0.36	90.78	445	1.17	512	1.47	574	1.77	632	2.1	687	2.44	739	2.8	789	3.16	836	3.54	882	3.94	925	4.34
	14600	6890	1.08	269.64	682	4.76	724	5.22	766	5.69	806	6.17	845	6.66	884	7.16	921	7.68	957	8.2	993	8.73	-	-
	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	-	-	-	-	-	-
6046	8750	4129	0.36	90.78	445	1.17	512	1.47	574	1.77	632	2.1	687	2.44	739	2.8	789	3.16	836	3.54	882	3.94	925	4.34
	14600	6890	1.08	269.64	682	4.76	724	5.22	766	5.69	806	6.17	845	6.66	884	7.16	921	7.68	957	8.2	993	8.73	-	-
	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	-	-	-	-	-	-
6052	10313	4867	0.45	113.27	486	1.71	545	2.04	601	2.38	655	2.74	706	3.12	754	3.51	801	3.91	846	4.32	889	4.74	931	5.18
	17200	8117	1.15	287.66	724	6.67	762	7.18	799	7.71	835	8.24	871	8.79	906	9.35	940	9.91	973	10.49	-	-	-	-
	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	-	-	-	-	-	-
6053	10313	4867	0.45	113.27	486	1.71	545	2.04	601	2.38	655	2.74	706	3.12	754	3.51	801	3.91	846	4.32	889	4.74	931	5.18
	17200	8117	1.15	287.66	724	6.67	762	7.18	799	7.71	835	8.24	871	8.79	906	9.35	940	9.91	973	10.49	-	-	-	-
	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	-	-	-	-	-	-
6054	10313	4867	0.45	113.27	486	1.71	545	2.04	601	2.38	655	2.74	706	3.12	754	3.51	801	3.91	846	4.32	889	4.74	931	5.18
	17200	8117	1.15	287.66	724	6.67	762	7.18	799	7.71	835	8.24	871	8.79	906	9.35	940	9.91	973	10.49	-	-	-	-
	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	-	-	-	-	-	-
6065	11250	5309	0.45	113.26	495	2	551	2.35	605	2.71	656	3.09	705	3.48	752	3.89	798	4.3	841	4.73	884	5.17	925	5.63
	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	-	-	-									

SKM Packaged Airconditioning Units

PACF Series - R-22

Compressor Starting

The **PACF** Packaged Air Conditioner compressors are provided, as per Table 10, with the shown standard mode of compressor starting. All **PACF** Packaged air conditioners with standard DOL start compressors as shown, do not, generally, require part winding start.

Maximum Instantaneous Current Flow (ICF) as shown in Electrical Specifications, Pages 25-27, must be used in determining the need for such part winding start. If part winding start is required, please specify option PWS at enquiry/order for the models shown in Table 10.

Model PACF	Model PACF	Power Supply (V/Ph/Hz)							
		380~415/3/50, 380/3/60 , 460/3/60		440/3/50		220/3/60			
		Standard	Option	Standard	Option	Standard	Option		
5011	6012	DOL	PWS	DOL	-	DOL	PWS		
5014	6015								
5020	6022								
5021	6023								
5024	6027								
5028	6031								
5029	6032					PWS	-		
5030	6034					DOL	PWS		
5033	6037					PWS	-		
5035	6041					DOL	PWS		
5039	6043								
5040	6044	PWS	-	PWS	-	PWS	-		
5042	6046			**	-				
5047	6052	DOL	PWS	DOL	-	DOL	PWS		
5048	6053								
5049	6054								
5055	6065					PWS	-		
5065	6075								
5070	6080								
5075	6085								
5085	6095								
5090	6100			**	-				
5095	6105			PWS	-				
5100	6115			**	-				
5110	6125	PWS	-						

** For Details, Please consult SKM

Table 10

SKM Packaged Airconditioning Units

PACF Series - R-22

Field Connections

PACF series self-contained heavy duty air cooled packaged units are designed for minimum field interaction. Power hook-ups and control wiring of thermostat as per Electrical hook-up diagram is all that is required to electrically connect any model of the **PACF** series.

Every SKM **PACF** series package air conditioning unit requires, at most, field installed fused disconnect switches or circuit breakers, and a 24 volt temperature control thermostat.

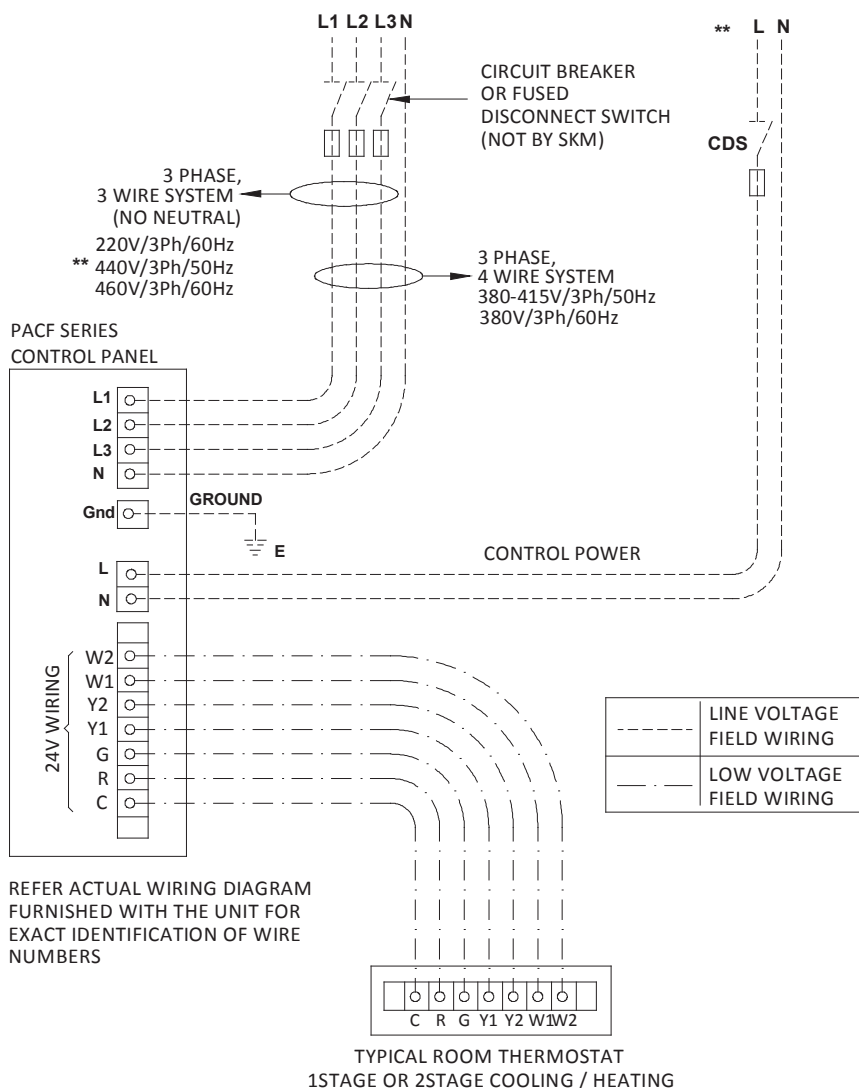
Refer to Field Wiring Schematic below for a schematic representation of required field electrical hook-ups for a standard **PACF** packaged air conditioning unit. All field wiring must be done in accordance with applicable local and national codes.

For maximum recommended fuse sizes and minimum circuit amps for wire sizing, refer to Electrical Rating Data on pages 25 - 27 of this Bulletin.

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

The **PACF** series is then ready to provide cooling, on demand. See IOM Manual for full details on field connections and requirements.

Field Wiring Schematic

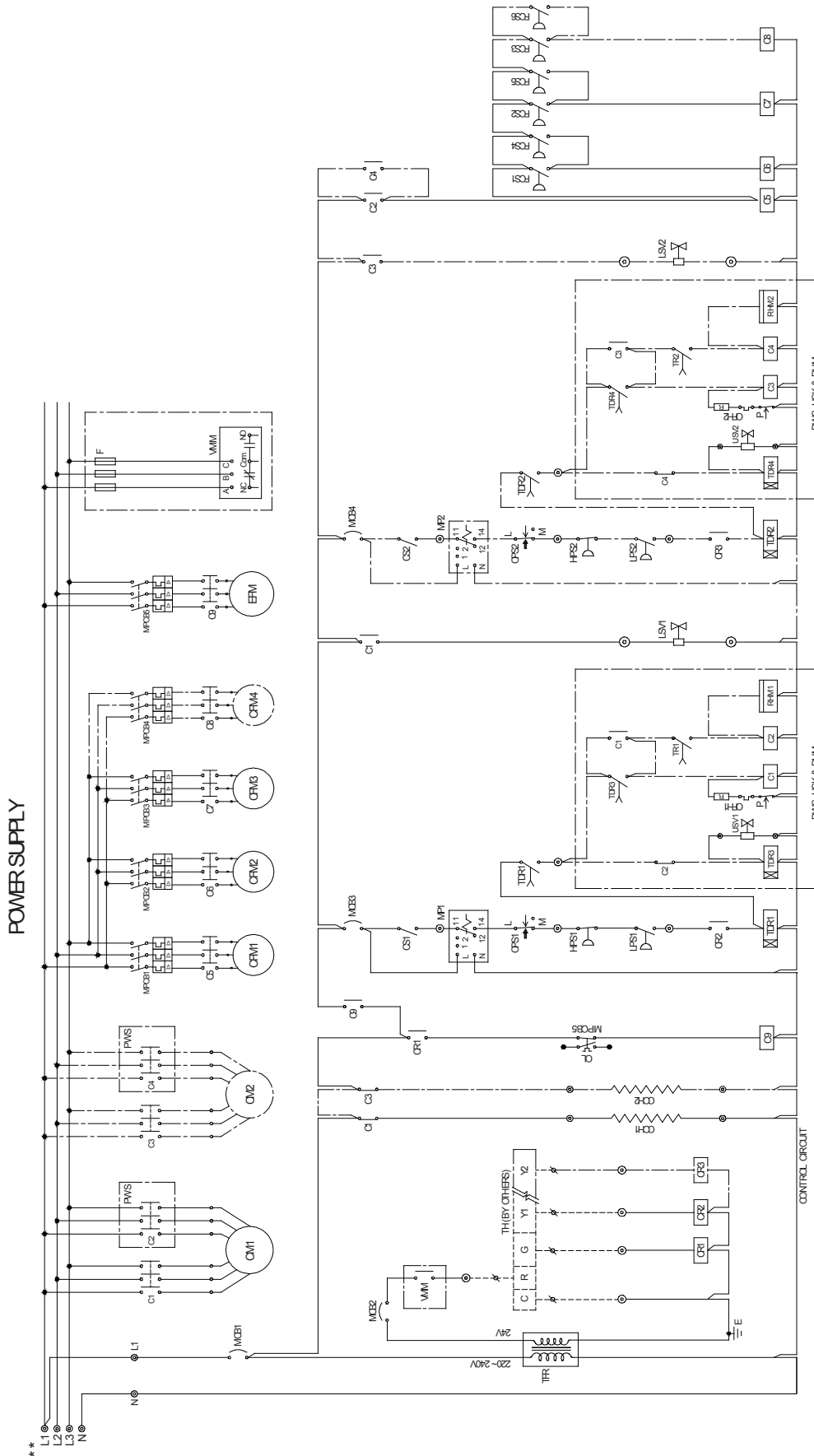


** PACF SERIES UNITS RATED FOR 440V/3Ph/50Hz AND 460V/3Ph/60Hz (3 WIRE SYSTEM) REQUIRE SEPARATE SOURCE OF CONTROL POWER SUPPLY THRU FIELD SUPPLIED & INSTALLED 15A/220V FUSED CONTROL DISCONNECT SWITCH OR ORDER WITH FACTORY BUILT OPTION 'CXT'.

SKM Packaged Airconditioning Units

PACF Series - R-22

Typical Wiring Diagram



Legend :

C	Contactor
CCH	Crank Case Heater
CF	Control Fuse
CFM	Condenser Fan Motor
CM	Compressor Motor
CR	Control Relay
CS	Control Switch
EFM	Evaporator Fan Motor
F	Power Circuit Fuse
FCS	Fan Cycling Switch
HPS	High Pressure Switch
LPS	Low Pressure Switch
LSV	Liquid Line Solenoid Valve
USV	Unload Start Solenoid Valve
MP	Motor Protector
OFH	Oil Failure Heater
OFS	Oil Failure Switch
OL	Overload Relay
P	Pressure Activated Switch
TDR	Time Delay Relay
TFR	Transformer
TH	Thermostat
TR	Timer
----	Field Wiring & Field Supplied Devices
-----	Additional Wiring for Dual Compressor with 4 condenser fans

Optional Features

PWS	Part Winding Start
VMM	Voltage Monitoring Module
USK	Unload Start Kit
RHM	Run Hour Meter

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

See Page 23 for field wiring requirements

SKM Packaged Airconditioning Units

PACF Series - R-22

ELECTRICAL DATA

Power Supply: 380~415V/3PH/50Hz

Model PACF	Unit Characteristic				Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF		QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
			DOL	PWS									
5011	63	38	123	78	1	23	113	2	1.1	3.9	1	5.2	26.3
5014	80	46	150	97	1	26	132	2	2.4	8.9	1	6.6	35.6
5020	125	70	241	156	1	41	211	2	3.9	17.2	1	8.6	45.6
5021	100	70	166	121	2	23	113	2	3.9	17.2	1	8.6	45.6
5024	125	78	202	149	1 + 1	26 + 23	132 + 113	3	3.9	17.2	1	8.6	45.6
5028	125	84	208	155	2	26	132	3	3.9	17.2	1	11.8	67.3
5029	200	102	325	215	1	61	275	3	3.9	17.2	1	11.8	67.3
5030	160	100	284	200	1 + 1	41 + 23	211 + 113	3	3.9	17.2	1	11.8	67.3
5033	160	107	291	207	1 + 1	41 + 26	211 + 132	3	3.9	17.2	1	16.0	105.6
5035	200	120	416	272	1	72	362	3	3.9	17.2	1	16.0	105.6
5039	200	126	324	239	2	41	211	4	3.9	17.2	1	16.0	105.6
5040	200	133	370	260	1 + 1	61 + 23	275 + 113	4	3.9	17.2	1	16.0	105.6
5042	250	147	-	314	1	91	404	4	3.9	17.2	1	16.0	105.6
5047	315	181	-	438	1	112	513	4	3.9	17.2	1	23.2	148.5
5048	250	157	467	322	1 + 1	72 + 26	362 + 132	4	3.9	17.2	1	23.2	148.5
5049	250	158	395	285	1 + 1	61 + 41	275 + 211	4	3.9	17.2	1	23.2	148.5
5055	315	180	490	345	1 + 1	72 + 41	362 + 211	4	3.9	17.2	1	31.6	221.2
5065	250	186	410	300	2	61	275	4	3.9	17.2	1	31.6	221.2
5070	315	200	497	352	1 + 1	72 + 61	362 + 275	4	3.9	17.2	1	31.6	221.2
5075	315	211	508	363	2	72	362	4	3.9	17.2	1	31.6	221.2
5085	400	251	619	457	1 + 1	91 + 72	404 + 362	8	3.9	17.2	1	31.6	221.2
5090	400	258	682	528	1 + 1	112 + 61	513 + 275	6	3.9	17.2	1	31.6	221.2
5095	400	270	-	476	2	91	404	8	3.9	17.2	1	31.6	221.2
5100	500	296	-	593	1 + 1	112 + 91	513 + 404	8	3.9	17.2	1	31.6	221.2
5110	500	323	-	620	2	112	513	8	3.9	17.2	1	37.9	284.2

Table 11

Power Supply: 440V/3PH/50Hz

Model PACF	Unit Characteristic				Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF		QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
			DOL	PWS									
5011	63	36	114	-	1	22	105	2	0.95	3.4	1	4.5	22.7
5014	80	43	138	-	1	25	123	2	2.1	7.6	1	5.7	30.8
5020	125	65	222	-	1	39	196	2	3.5	14.7	1	7.4	39.3
5021	100	66	153	-	2	22	105	2	3.5	14.7	1	7.4	39.3
5024	100	73	185	-	1 + 1	25 + 22	123 + 105	3	3.5	14.7	1	7.4	39.3
5028	125	79	191	-	2	25	123	3	3.5	14.7	1	10.2	58.0
5029	160	95	299	-	1	58	256	3	3.5	14.7	1	10.2	58.0
5030	160	93	261	-	1 + 1	39 + 22	196 + 105	3	3.5	14.7	1	10.2	58.0
5033	160	100	268	-	1 + 1	39 + 25	196 + 123	3	3.5	14.7	1	13.8	91.1
5035	200	111	384	-	1	68	337	3	3.5	14.7	1	13.8	91.1
5039	160	118	296	-	2	39	196	4	3.5	14.7	1	13.8	91.1
5040	200	124	339	-	1 + 1	58 + 22	256 + 105	4	3.5	14.7	1	13.8	91.1
5042	250	144	-	304	1	91	404	4	3.5	14.7	1	13.8	91.1
5047	For Details, Please consult SKM												
5048	250	146	430	-	1 + 1	68 + 25	337 + 123	4	3.5	14.7	1	20.0	128.1
5049	250	148	363	-	1 + 1	58 + 39	256 + 196	4	3.5	14.7	1	20.0	128.1
5055	250	167	451	-	1 + 1	68 + 39	337 + 196	4	3.5	14.7	1	27.3	190.9
5065	250	174	378	-	2	58	256	4	3.5	14.7	1	27.3	190.9
5070	315	186	459	-	1 + 1	68 + 58	337 + 256	4	3.5	14.7	1	27.3	190.9
5075	315	196	469	-	2	68	337	4	3.5	14.7	1	27.3	190.9
5085	400	233	567	-	1 + 1	86 + 68	376 + 337	8	3.5	14.7	1	27.3	190.9
5090	For Details, Please consult SKM												
5095	400	262	-	456	2	91	404	8	3.5	14.7	1	27.3	190.9
5100	For Details, Please consult SKM												
5110	For Details, Please consult SKM												

Table 12

SKM Packaged Airconditioning Units

PACF Series - R-22

ELECTRICAL DATA

Power Supply: 380V/3PH/60Hz

Model PACF	Unit Characteristic				Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF										
			DOL	PWS	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
6012	80	45	164	103	1	28	153	2	1.5	4.5	1	4.9	25
6015	100	55	197	126	1	32	178	2	3.1	9.6	1	6.3	34
6022	160	84	295	190	1	50	264	2	5.3	17.5	1	8.4	44.3
6023	125	84	212	151	2	28	153	2	5.3	17.5	1	8.4	44.3
6027	160	97	258	187	1 + 1	32 + 28	178 + 153	3	5.3	17.5	1	11.5	65.5
6031	160	101	262	191	2	32	178	3	5.3	17.5	1	11.5	65.5
6032	200	123	385	252	1	75	333	3	5.3	17.5	1	11.5	65.5
6034	200	120	344	238	1 + 1	50 + 28	264 + 153	3	5.3	17.5	1	11.5	65.5
6037	200	128	352	246	1 + 1	50 + 32	264 + 178	3	5.3	17.5	1	15.5	102.3
6041	250	142	480	310	1	87	424	3	5.3	17.5	1	15.5	102.3
6043	250	151	387	282	2	50	264	4	5.3	17.5	1	15.5	102.3
6044	250	160	434	301	1 + 1	75 + 28	333 + 153	4	5.3	17.5	1	15.5	102.3
6046	315	176	-	382	1	110	515	4	5.3	17.5	1	15.5	102.3
6052	400	217	-	515	1	137	620	4	5.3	17.5	1	23.0	147.1
6053	315	187	537	367	1 + 1	87 + 32	424 + 178	4	5.3	17.5	1	23.0	147.1
6054	250	163	397	287	1 + 1	61 + 41	275 + 211	4	5.3	17.5	1	23.0	147.1
6065	315	213	563	393	1 + 1	87 + 50	424 + 264	4	5.3	17.5	1	30.9	216.0
6075	315	223	485	351	2	75	333	4	5.3	17.5	1	30.9	216.0
6080	400	238	576	406	1 + 1	87 + 75	424 + 333	4	5.3	17.5	1	30.9	216.0
6085	400	250	588	418	2	87	424	4	5.3	17.5	1	30.9	216.0
6095	500	300	749	543	1 + 1	110 + 87	515 + 424	8	5.3	17.5	1	30.9	216.0
6100	500	311	807	621	1 + 1	137 + 75	620 + 333	6	5.3	17.5	1	30.9	216.0
6105	500	323	-	566	2	110	515	8	5.3	17.5	1	30.9	216.0
6115	500	357	-	691	1 + 1	137 + 110	620 + 515	8	5.3	17.5	1	30.9	216.0
6125	630	390	-	724	2	137	620	8	5.3	17.5	1	37.5	281.3

Table 13

Power Supply: 460V/3PH/60Hz

Model PACF	Unit Characteristic				Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF										
			DOL	PWS	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
6012	63	37	124	78	1	23	113	2	1.3	5.2	1	4.1	20.7
6015	80	47	152	99	1	27	132	2	3.1	11.8	1	5.2	28.1
6022	125	70	244	160	1	41	211	2	5	21	1	6.9	36.6
6023	100	71	169	124	2	23	113	2	5	21	1	6.9	36.6
6027	125	83	212	159	1 + 1	27 + 23	132 + 113	3	5	21	1	9.5	54.1
6031	125	87	216	163	2	27	132	3	5	21	1	9.5	54.1
6032	200	104	332	222	1	62	275	3	5	21	1	9.5	54.1
6034	160	101	291	206	1 + 1	41 + 23	211 + 113	3	5	21	1	9.5	54.1
6037	160	108	298	213	1 + 1	41 + 27	211 + 132	3	5	21	1	12.8	84.5
6041	200	120	422	277	1	72	362	3	5	21	1	12.8	84.5
6043	200	127	333	248	2	41	211	4	5	21	1	12.8	84.5
6044	200	135	379	269	1 + 1	62 + 23	275 + 113	4	5	21	1	12.8	84.5
6046	250	149	-	323	1	91	404	4	5	21	1	12.8	84.5
6052	315	182	-	446	1	113	513	4	5	21	1	19.0	121.6
6053	250	158	476	331	1 + 1	72 + 27	362 + 132	4	5	21	1	19.0	121.6
6054	250	160	403	293	1 + 1	62 + 41	275 + 211	4	5	21	1	19.0	121.6
6065	315	179	497	352	1 + 1	72 + 41	362 + 211	4	5	21	1	25.5	178.5
6075	250	187	415	305	2	62	275	4	5	21	1	25.5	178.5
6080	315	200	502	357	1 + 1	72 + 62	362 + 275	4	5	21	1	25.5	178.5
6085	315	210	512	367	2	72	362	4	5	21	1	25.5	178.5
6095	400	253	638	476	1 + 1	91 + 72	404 + 362	8	5	21	1	25.5	178.5
6100	400	261	695	541	1 + 1	113 + 62	513 + 275	6	5	21	1	25.5	178.5
6105	400	272	-	495	2	91	404	8	5	21	1	25.5	178.5
6115	500	300	-	612	1 + 1	113 + 91	513 + 404	8	5	21	1	25.5	178.5
6125	500	327	-	639	2	113	513	8	5	21	1	31.0	232.5

Table 14

SKM Packaged Airconditioning Units

PACF Series - R-22

ELECTRICAL DATA

Power Supply: 220V/3PH/60Hz

Model PACF	Unit Characteristic				Compressor			Condenser Fan Motor			Evaporator Fan Motor		
	MFA	MCA	ICF										
			DOL	PWS	QTY	RLA	LRA	QTY	FLA	LRA	QTY	FLA	LRA
6012	125	73	257	161	1	46	238	2	2.5	7.5	1	8.5	43.3
6015	160	90	311	200	1	53	278	2	5.4	16.7	1	10.9	58.7
6022	250	137	497	320	1	82	444	2	9	29.7	1	14.4	76.5
6023	200	138	337	242	2	46	238	2	9	29.7	1	14.4	76.5
6027	250	161	412	301	1 + 1	53 + 46	278 + 238	3	9	29.7	1	19.9	113.1
6031	250	168	419	308	2	53	278	3	9	29.7	1	19.9	113.1
6032	400	203	-	436	1	123	579	3	9	29.7	1	19.9	113.1
6034	315	197	578	401	1 + 1	82 + 46	444 + 238	3	9	29.7	1	19.9	113.1
6037	315	211	592	415	1 + 1	82 + 53	444 + 278	3	9	29.7	1	26.8	176.6
6041	400	236	-	552	1	144	762	3	9	29.7	1	26.8	176.6
6043	400	249	651	473	2	82	444	4	9	29.7	1	26.8	176.6
6044	400	265	750	518	1 + 1	123 + 46	579 + 238	4	9	29.7	1	26.8	176.6
6046	500	292	-	610	1	182	808	4	9	29.7	1	26.8	176.6
6052	630	360	-	999	1	226	1230	4	9	29.7	1	39.7	254.1
6053	500	311	953	648	1 + 1	144 + 53	762 + 278	4	9	29.7	1	39.7	254.1
6054	500	313	799	567	1 + 1	123 + 82	579 + 444	4	9	29.7	1	39.7	254.1
6065	500	353	995	691	1 + 1	144 + 82	762 + 444	4	9	29.7	1	53.3	373.1
6075	500	368	-	601	2	123	579	4	9	29.7	1	53.3	373.1
6080	630	394	-	711	1 + 1	144 + 123	762 + 579	4	9	29.7	1	53.3	373.1
6085	630	415	-	732	2	144	762	4	9	29.7	1	53.3	373.1
6095	800	499	-	878	1 + 1	182 + 144	808 + 762	8	9	29.7	1	53.3	373.1
6100	800	515	-	1174	1 + 1	226 + 123	1230 + 579	6	9	29.7	1	53.3	373.1
6105	800	537	-	916	2	182	808	8	9	29.7	1	53.3	373.1
6115	1000	592	-	1293	1 + 1	226 + 182	1230 + 808	8	9	29.7	1	53.3	373.1
6125	1000	647	-	1348	2	226	1230	8	9	29.7	1	64.8	485.9

Table 15

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.

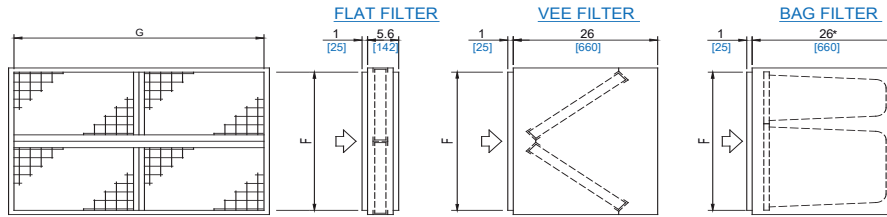
Note :

Voltage imbalance not to exceed $\pm 2\%$ of the rated voltage.

SKM Packaged Airconditioning Units

PACF Series - R-22

Filter Dimensions & Sizes



MODEL PACF	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.	SIZE H x L	QTY.
5011	30	43	12x24 [305x610]	1	20x24 [508x610]	1	24x20 [610x508]	2	12x24 [305x610]	1	20x24 [508x610]	1	20x24 [508x610]	1
6012	[762]	[1092]	12x20 [305x508]	1	20x20 [508x508]	1	24x24 [610x610]	2	12x20 [305x508]	1	20x20 [508x508]	1	20x20 [508x508]	1
5014	30	56	12x24 [305x610]	1	20x24 [508x610]	1	24x20 [610x508]	4	12x24 [305x610]	1	20x24 [508x610]	1	20x24 [508x610]	1
6015	[762]	[1422]	12x20 [305x508]	1	20x20 [508x508]	1	24x16 [610x406]	2	12x20 [305x508]	1	20x20 [508x508]	1	20x20 [508x508]	1
			12x12 [305x305]	1	20x12 [508x304]	1			12x12 [305x305]	1	20x12 [508x304]	1	20x12 [508x304]	1
5020	30	70	12x24 [305x610]	3	20x24 [508x610]	3	24x24 [610x610]	4	12x24 [305x610]	3	20x24 [508x610]	3	20x24 [508x610]	3
6022	[762]	[1778]					24x20 [610x508]	2						
5021	30	70	12x24 [305x610]	3	20x24 [508x610]	3	24x24 [610x610]	4	12x24 [305x610]	3	20x24 [508x610]	3	20x24 [508x610]	3
6023	[762]	[1778]					24x20 [610x508]	2						
5024	33	75	12x24 [305x610]	1	20x24 [508x610]	1	24x24 [610x610]	6	12x24 [305x610]	1	20x24 [508x610]	1	20x24 [508x610]	1
6027	[838]	[1905]	12x20 [305x508]	2	20x20 [508x508]	2			12x20 [305x508]	2	20x20 [508x508]	2	20x20 [508x508]	2
			12x12 [305x305]	1	20x12 [508x304]	1			12x12 [305x305]	1	20x12 [508x304]	1	20x12 [508x304]	1
5028	36	75	12x24 [305x610]	1	24x24 [610x610]	1	24x24 [610x610]	6	12x24 [305x610]	1	24x24 [610x610]	1	24x24 [610x610]	1
6031	[914]	[1905]	12x20 [305x508]	2	24x20 [610x508]	2			12x20 [305x508]	2	24x20 [610x508]	2	24x20 [610x508]	2
			12x12 [305x305]	1	24x12 [610x304]	1			12x12 [305x305]	1	24x12 [610x304]	1	24x12 [610x304]	1
5029	40	75	20x20 [508x508]	4	20x12 [508x305]	2	20x24 [508x610]	9	20x20 [508x508]	4	20x12 [508x305]	2	20x12 [508x305]	2
6032	[1016]	[1905]	20x24 [508x610]	2					20x24 [508x610]	2				
5030	40	75	20x20 [508x508]	4	20x12 [508x305]	2	20x24 [508x610]	9	20x20 [508x508]	4	20x12 [508x305]	2	20x12 [508x305]	2
6034	[1016]	[1905]	20x24 [508x610]	2					20x24 [508x610]	2				
5033	45	75	20x24 [508x610]	1	24x24 [610x610]	1	20x24 [508x610]	9	20x24 [508x610]	1	24x24 [610x610]	1	24x24 [610x610]	1
6037	[1143]	[1905]	20x20 [508x508]	2	24x20 [610x508]	2			20x20 [508x508]	2	24x20 [610x508]	2	24x20 [610x508]	2
			20x12 [508x304]	1	24x12 [610x304]	1			20x12 [508x304]	1	24x12 [610x304]	1	24x12 [610x304]	1
5035	48	75	24x20 [610x508]	4	24x12 [610x305]	2	24x24 [610x610]	9	24x20 [610x508]	4	24x12 [610x305]	2	24x12 [610x305]	2
6041	[1219]	[1905]	24x24 [610x610]	2					24x24 [610x610]	2				
5039	56	75	12x12 [305x305]	1	20x12 [508x304]	1	24x24 [610x610]	9	12x12 [305x305]	1	20x12 [508x304]	1	20x12 [508x304]	1
6043	[1422]	[1905]	12x20 [305x508]	2	24x24 [610x610]	1			12x20 [305x508]	2	24x24 [610x610]	1	24x24 [610x610]	1
			12x24 [305x610]	1	24x20 [610x508]	2			12x24 [305x610]	1	24x20 [610x508]	2	24x20 [610x508]	2
			20x24 [508x610]	1	24x12 [610x305]	1			20x24 [508x610]	1	24x12 [610x305]	1	24x12 [610x305]	1
			20x20 [508x508]	2					20x20 [508x508]	2				
5040	56	75	12x12 [305x305]	1	20x12 [508x304]	1	24x24 [610x610]	9	12x12 [305x305]	1	20x12 [508x304]	1	20x12 [508x304]	1
6044	[1422]	[1905]	12x20 [305x508]	2	24x24 [610x610]	1			12x20 [305x508]	2	24x24 [610x610]	1	24x24 [610x610]	1
			12x24 [305x610]	1	24x20 [610x508]	2			12x24 [305x610]	1	24x20 [610x508]	2	24x20 [610x508]	2
			20x24 [508x610]	1	24x12 [610x305]	1			20x24 [508x610]	1	24x12 [610x305]	1	24x12 [610x305]	1
			20x20 [508x508]	2					20x20 [508x508]	2				
5042	56	75	12x12 [305x305]	1	20x12 [508x304]	1	24x24 [610x610]	9	12x12 [305x305]	1	20x12 [508x304]	1	20x12 [508x304]	1
6046	[1422]	[1905]	12x20 [305x508]	2	24x24 [610x610]	1			12x20 [305x508]	2	24x24 [610x610]	1	24x24 [610x610]	1
			12x24 [305x610]	1	24x20 [610x508]	2			12x24 [305x610]	1	24x20 [610x508]	2	24x20 [610x508]	2
			20x24 [508x610]	1	24x12 [610x305]	1			20x24 [508x610]	1	24x12 [610x305]	1	24x12 [610x305]	1
			20x20 [508x508]	2					20x20 [508x508]	2				
5047	66	75	24x20 [610x508]	4	20x24 [508x610]	1	24x24 [610x610]	12	24x20 [610x508]	4	20x24 [508x610]	1	20x24 [508x610]	1
6052	[1676]	[1905]	24x24 [610x610]	2	20x12 [508x304]	1			24x24 [610x610]	2	20x12 [508x304]	1	20x12 [508x304]	1
			24x12 [610x305]	2					24x12 [610x305]	2				
			20x20 [508x508]	2					20x20 [508x508]	2				
5048	66	75	24x20 [610x508]	4	20x24 [508x610]	1	24x24 [610x610]	12	24x20 [610x508]	4	20x24 [508x610]	1	20x24 [508x610]	1
6053	[1676]	[1905]	24x24 [610x610]	2	20x12 [508x304]	1			24x24 [610x610]	2	20x12 [508x304]	1	20x12 [508x304]	1
			24x12 [610x305]	2					24x12 [610x305]	2				
			20x20 [508x508]	2					20x20 [508x508]	2				
5049	66	75	24x20 [610x508]	4	20x24 [508x610]	1	24x24 [610x610]	12	24x20 [610x508]	4	20x24 [508x610]	1	20x24 [508x610]	1
6054	[1676]	[1905]	24x24 [610x610]	2	20x12 [508x304]	1			24x24 [610x610]	2	20x12 [508x304]	1	20x12 [508x304]	1
			24x12 [610x305]	2					24x12 [610x305]	2				
			20x20 [508x508]	2					20x20 [508x508]	2				
5055	72	75	24x20 [610x508]	6	24x12 [610x305]	3	24x24 [610x610]	12	24x20 [610x508]	6	24x12 [610x305]	3	24x12 [610x305]	3
6065	[1829]	[1905]	24x24 [610x610]	3					24x24 [610x610]	3				
5065	72	86	24x20 [610x508]	6	-	-	24x20 [610x508]	8	24x20 [610x508]	6	-	-	-	-
6075	[1829]	[2184]	24x24 [610x610]	6	-	-	24x24 [610x610]	8	24x24 [610x610]	6	-	-	-	-
5070	72	98	24x20 [610x508]	15	-	-	24x24 [610x610]	16	24x20 [610x508]	15	-	-	-	-
6080	[1829]	[2489]												
5075	72	98	24x20 [610x508]	15	-	-	24x24 [610x610]	16	24x20 [610x508]	15	-	-	-	-
6085	[1829]	[2489]												
5085	81	98	20x20 [508x508]	20	-	-	24x24 [610x610]	20	20x20 [508x508]	20	-	-	-	-
6095	[2057]	[2489]												
5090	90	98	24x20 [610x508]	15	-	-	24x24 [610x610]	20	24x20 [610x508]	15	-	-	-	-
6100	[2286]	[2489]	20x20 [508x508]	5	-	-			20x20 [508x508]	5	-	-	-	-
5095	90	102	24x20 [610x508]	12	20x20 [508x508]	4	24x24 [610x610]	20	24x20 [610x508]	12	20x20 [508x508]	4	20x20 [508x508]	4
6105	[2286]	[2591]	24x24 [610x610]	3					24x24 [610x610]	3				
5100	90	108	24x24 [610x610]	12	20x24 [508x610]	4	24x16 [610x406]	15	24x24 [610x610]	12	20x24 [508x610]	4	20x24 [508x610]	4
6115	[2286]	[2743]	24x12 [610x305]	3	20x12 [508x304]	1	24x20 [610x508]	15	24x12 [610x305]	3	20x12 [508x304]	1	20x12 [508x304]	1
5110	90	115	24x20 [610x508]	3	20x20 [508x508]	1	24x16 [610x406]	5	24x20 [610x508]	3	20x20 [508x508]	1	20x20 [508x508]	1
6125	[2286]	[2921]	24x24 [610x610]	12	20x24 [508x610]	4	24x24 [610x610]	20	24x24 [610x610]	12	20x24 [508x610]	4	20x24 [508x610]	4

*BAG FILTER IS APPLICABLE FOR 21" DEPTH
ALL DIMENSIONS ARE IN INCHES[mm]

Table 16

SKM Packaged Airconditioning Units

PACF Series - R-22

Dimensional Data

PACF Models: 5011-5014 & 6012-6015

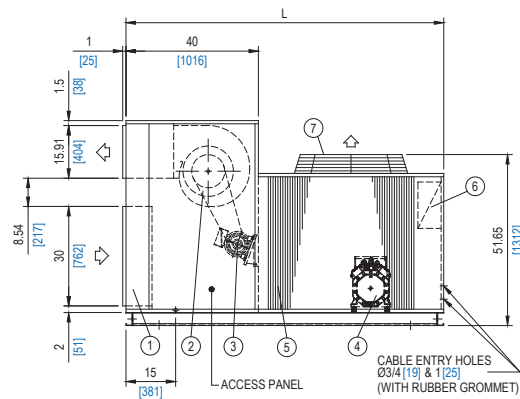
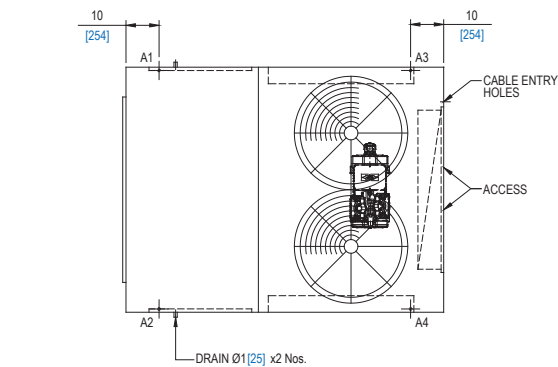
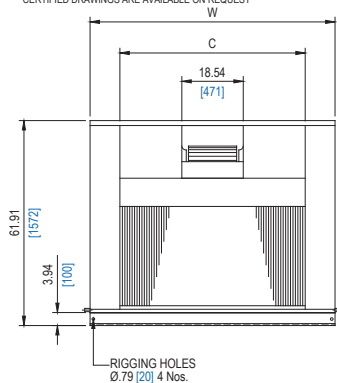
LEGEND:

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

MODEL PACF-	DIMENSIONS		
	L	W	C
5011	85	68	43
6012	[2159]	[1727]	[1092]
5014	96	74	56
6015	[2438]	[1880]	[1422]

ALL DIMENSIONS ARE IN INCHES [mm]
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

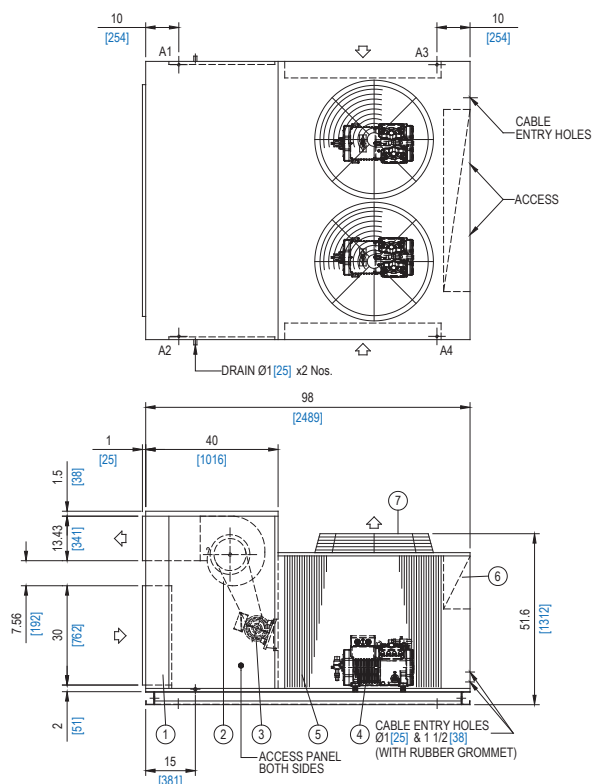
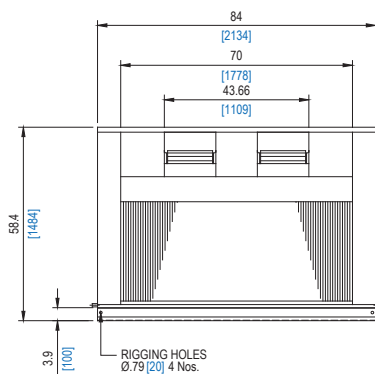
Table 17



PACF Models: 5020-5021 & 6022-6023

CERTIFIED DRAWINGS ARE
AVAILABLE ON REQUEST

PACF-5020/6022 WITH ONE COMPRESSOR



SKM Packaged Airconditioning Units

PACF Series - R-22

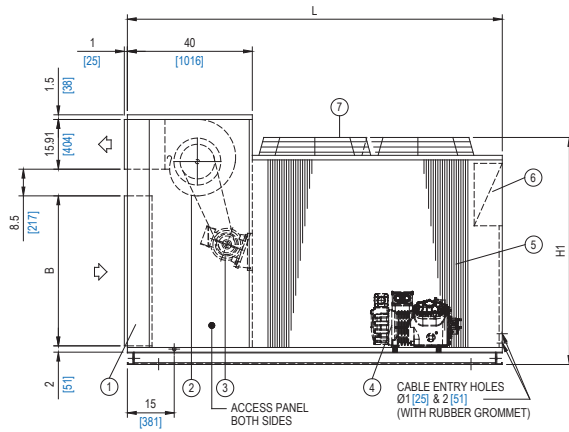
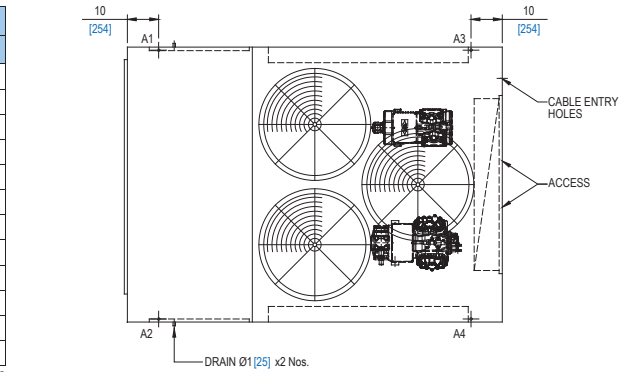
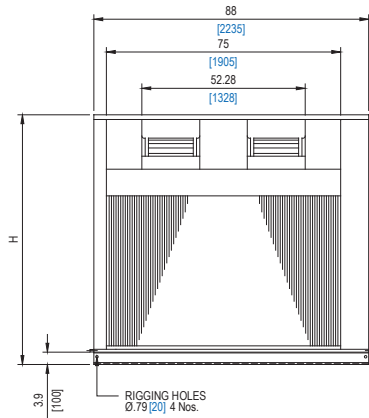
Dimensional Data

PACF Models: 5024-5035 & 6027-6041

MODEL PACF-	DIMENSIONS			
	L	H	H1	B
5024	120	64.88	52.63	33
6027	[3048]	[1648]	[1337]	[838]
5028	116	65.35	60.63	36
	[2946]	[1660]	[1540]	[914]
*5029	116	71.89	60.63	40
*6032	[2946]	[1826]	[1540]	[1016]
5030	116	71.89	60.63	40
6034	[2946]	[1826]	[1540]	[1016]
5033	120	76.89	72.64	45
6037	[3048]	[1953]	[1845]	[1143]
*5035	120	79.88	72.64	48
*6041	[3048]	[2029]	[1845]	[1219]

*MODELS WITH ONE COMPRESSOR
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES [mm]

Table 18

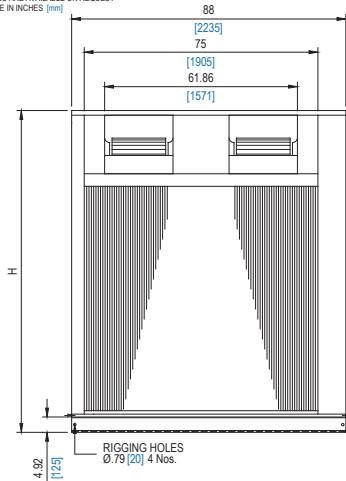


PACF Models: 5039-5055 & 6043-6065

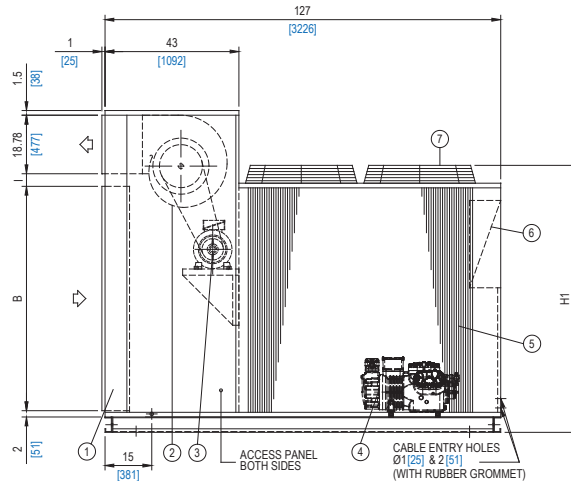
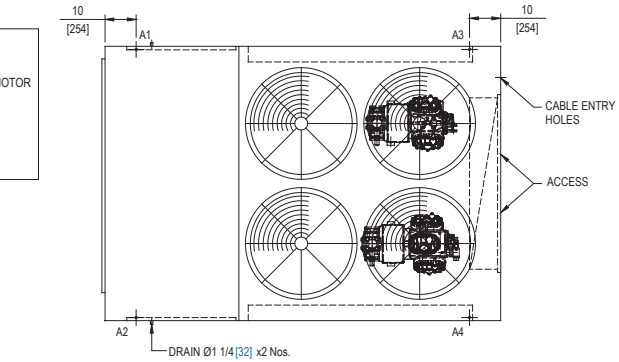
MODEL PACF-	DIMENSIONS			
	H	H1	B	I
5039	93.98	77.63	56	10.75
6043	[2387]	[1972]	[1422]	[273]
5040	93.98	77.63	56	10.75
6044	[2387]	[1972]	[1422]	[273]
*5042	93.98	77.63	56	10.75
*6046	[2387]	[1972]	[1422]	[273]
*5047	99.22	85.63	66	6
*6052	[2520]	[2175]	[1676]	[152]
5048	99.22	85.63	66	6
6053	[2520]	[2175]	[1676]	[152]
5049	99.22	85.63	66	6
6054	[2520]	[2175]	[1676]	[152]
5055	103.22	85.63	72	4
6065	[2622]	[2175]	[1829]	[102]

*MODELS WITH ONE COMPRESSOR
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES [mm]

Table 19



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



SKM Packaged Airconditioning Units PACF Series - R-22

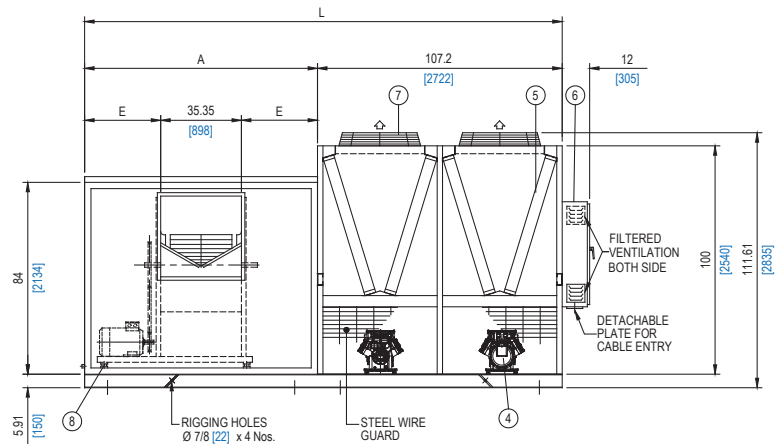
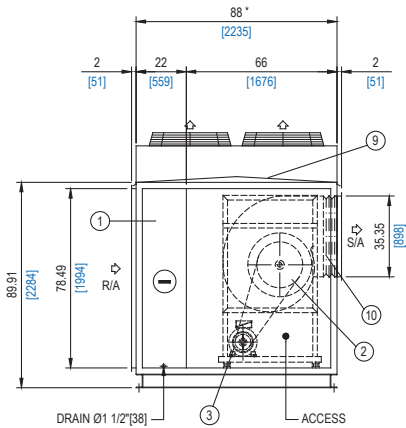
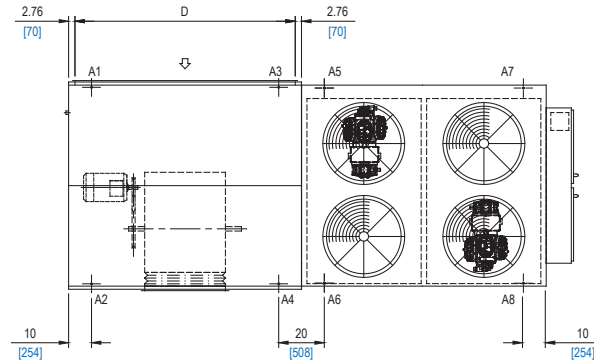
Dimensional Data

PACF Models: 5065-5075 & 6075-6085

MODEL PACF-	DIMENSIONS			
	L	A	D	E
5065	209.18	102	96.5	33.32
6075	[5313]	[2591]	[2451]	[846]
5070	221.18	114	108.5	39.32
6080	[5618]	[2896]	[2756]	[999]
5075	221.18	114	108.5	39.32
6085	[5618]	[2896]	[2756]	[999]

Table 20

*IF ELIMINATOR IS REQUIRED,
INCREASE 12" MORE IN THE UNIT WIDTH
CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES [mm]

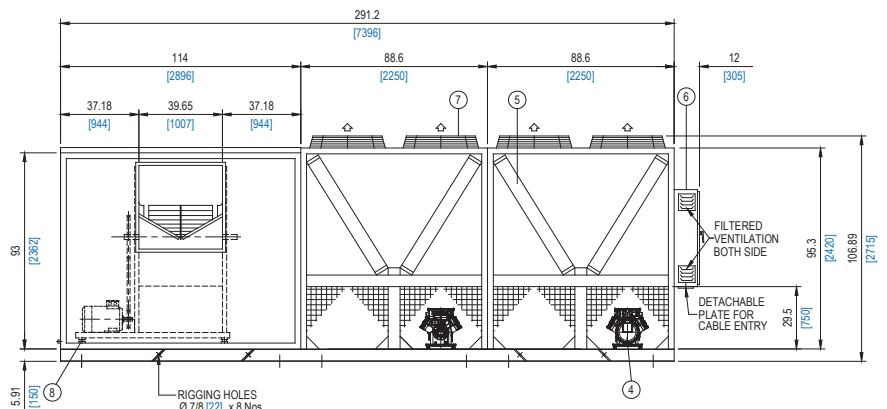
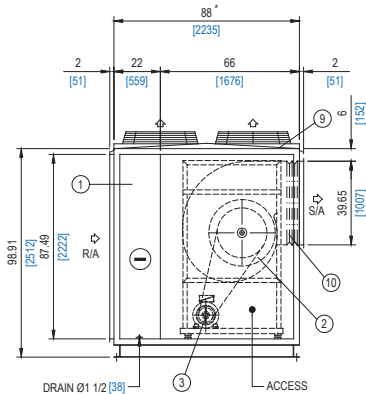
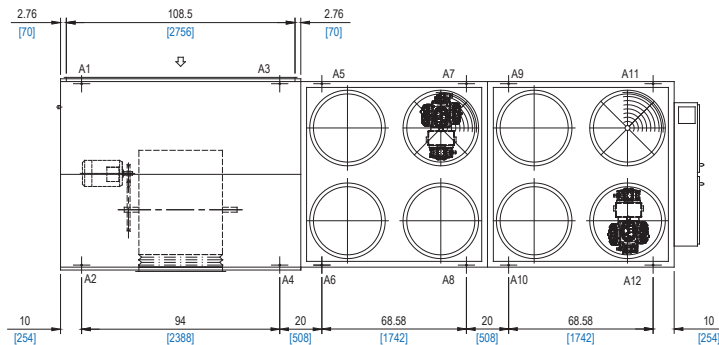


PACF Models: 5085/6095

LEGEND

1 EVAPORATOR COIL	6 CONTROL PANEL
2 EVAPORATOR FAN	7 CONDENSER FAN
3 EVAPORATOR FAN MOTOR	8 ANTI VIBRATION MOUNTS
4 COMPRESSOR	9 WAETHER PROOF CANOPY
5 CONDENSER COIL	10 FLEXIBLE CONNECTION

* IF MOISTURE ELIMINATOR IS REQUIRED,
INCREASE 12" MORE IN THE UNIT WIDTH.
CERTIFIED DRAWINGS ARE
AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES [mm]



SKM Packaged Airconditioning Units

PACF Series - R-22

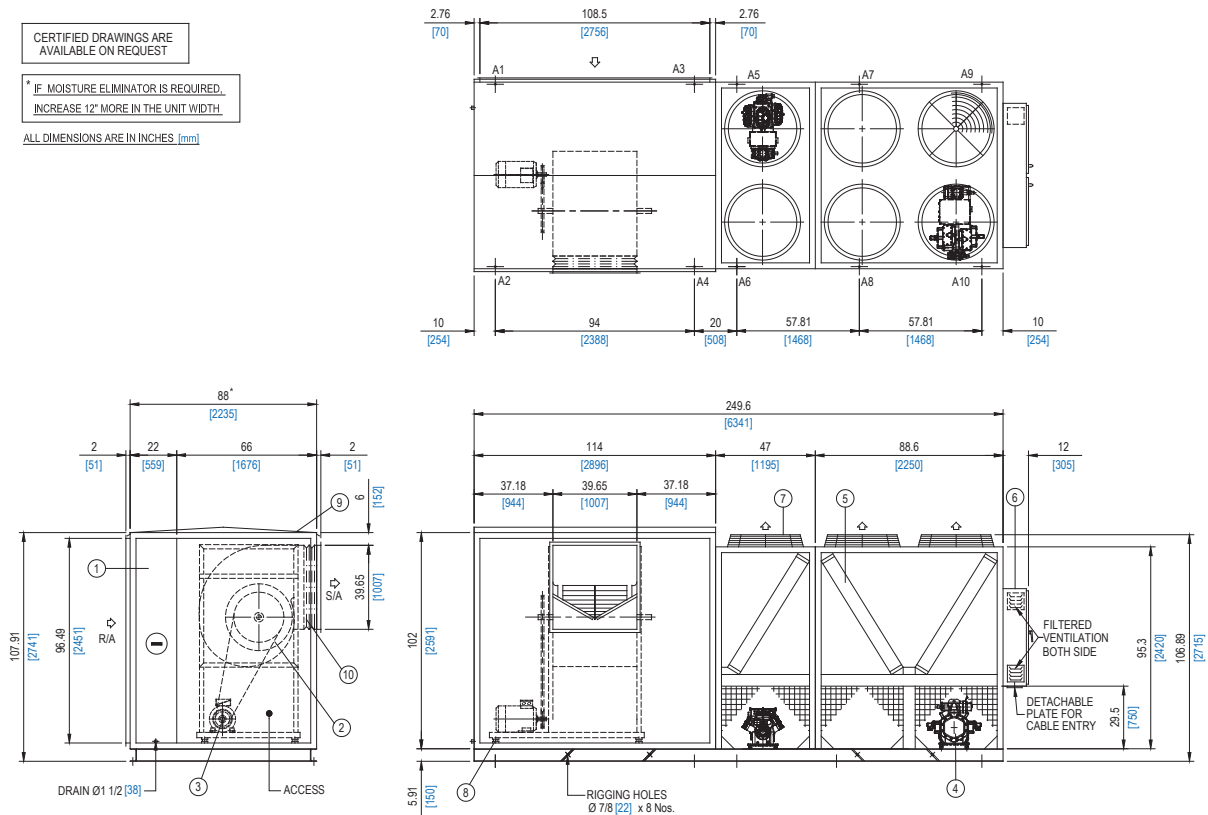
Dimensional Data

PACF Models: 5090 & 6100

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST

* IF MOISTURE ELIMINATOR IS REQUIRED, INCREASE 12" MORE IN THE UNIT WIDTH.

ALL DIMENSIONS ARE IN INCHES [mm]



PACF Models: 5095-5110 & 6100-6125

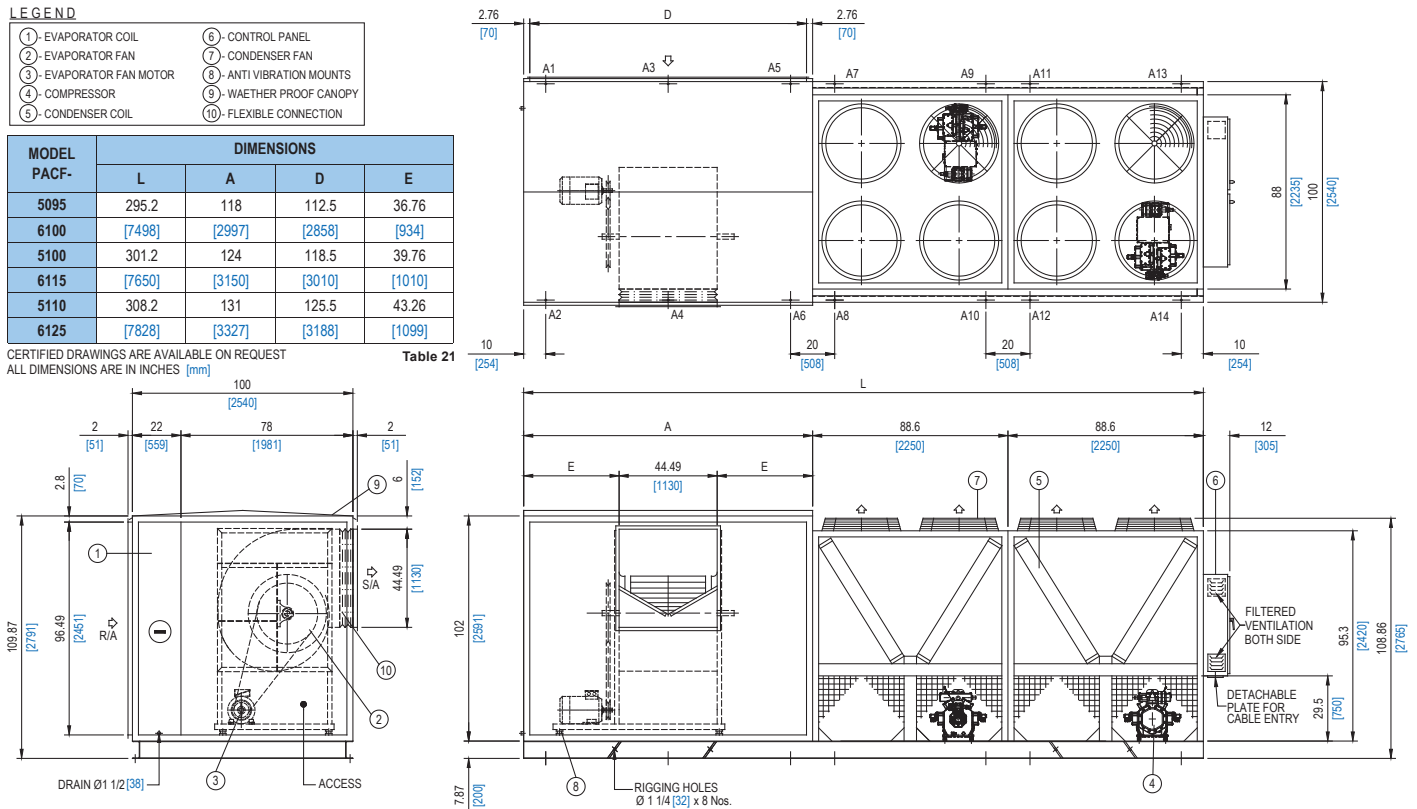
LEGEND

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

MODEL PACF-	DIMENSIONS			
	L	A	D	E
5095	295.2	118	112.5	36.76
6100	[7498]	[2997]	[2858]	[934]
5100	301.2	124	118.5	39.76
6115	[7650]	[3150]	[3010]	[1010]
5110	308.2	131	125.5	43.26
6125	[7828]	[3327]	[3188]	[1099]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES [mm]

Table 21



SKM Packaged Airconditioning Units

PACF Series - R-22

Loading Points

50Hz

PACF	UNIT	LOADING POINTS				TOTAL WEIGHT
		A1	A2	A3	A4	
5011	lb.	269	276	399	403	1347
	Kg.	122	125	181	183	611
5014	lb.	326	328	452	459	1565
	Kg.	148	149	205	208	710
5020	lb.	450	470	648	657	2224
	Kg.	204	213	294	298	1009
5021	lb.	545	562	774	780	2661
	Kg.	247	255	351	354	1207
5024	lb.	613	633	820	827	2892
	Kg.	278	287	372	375	1312
5028	lb.	619	648	858	866	2992
	Kg.	281	294	389	393	1357
5029	lb.	611	639	796	805	2851
	Kg.	277	290	361	365	1293
5030	lb.	635	664	904	913	3115
	Kg.	288	301	410	414	1413
5033	lb.	686	719	939	948	3291
	Kg.	311	326	426	430	1493
5035	lb.	710	743	877	886	3217
	Kg.	322	337	398	402	1459
5039	lb.	827	862	1102	1111	3902
	Kg.	375	391	500	504	1770
5040	lb.	820	853	1071	1082	3827
	Kg.	372	387	486	491	1736
5042	lb.	891	924	1067	1076	3957
	Kg.	404	419	484	488	1795
5047	lb.	1076	1122	1237	1252	4687
	Kg.	488	509	561	568	2126
5048	lb.	1085	1133	1272	1285	4775
	Kg.	492	514	577	583	2166
5049	lb.	1098	1146	1347	1362	4954
	Kg.	498	520	611	618	2247
5055	lb.	1122	1177	1351	1369	5020
	Kg.	509	534	613	621	2277

Table 22

60Hz

PACF	UNIT	LOADING POINTS				TOTAL WEIGHT
		A1	A2	A3	A4	
6012	lb.	278	287	403	406	1373
	Kg.	126	130	183	184	623
6015	lb.	340	342	456	465	1603
	Kg.	154	155	207	211	727
6022	lb.	467	487	659	668	2282
	Kg.	212	221	299	303	1035
6023	lb.	562	582	785	791	2720
	Kg.	255	264	356	359	1234
6027	lb.	642	670	836	844	2992
	Kg.	291	304	379	383	1357
6031	lb.	644	672	871	880	3067
	Kg.	292	305	395	399	1391
6032	lb.	637	666	809	818	2930
	Kg.	289	302	367	371	1329
6034	lb.	659	688	917	928	3192
	Kg.	299	312	416	421	1448
6037	lb.	714	747	952	961	3375
	Kg.	324	339	432	436	1531
6041	lb.	741	774	891	902	3307
	Kg.	336	351	404	409	1500
6043	lb.	864	897	1120	1131	4012
	Kg.	392	407	508	513	1820
6044	lb.	855	888	1091	1100	3935
	Kg.	388	403	495	499	1785
6046	lb.	926	959	1085	1096	4065
	Kg.	420	435	492	497	1844
6052	lb.	1091	1140	1257	1270	4758
	Kg.	495	517	570	576	2158
6053	lb.	1102	1151	1292	1307	4852
	Kg.	500	522	586	593	2201
6054	lb.	1116	1162	1367	1382	5026
	Kg.	506	527	620	627	2280
6065	lb.	1140	1195	1373	1389	5097
	Kg.	517	542	623	630	2312

Table 23

50Hz

PACF	UNIT	LOADING POINTS														TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	
5065	lb.	1160	1013	1093	946	1429	1294	1417	1605	-	-	-	-	-	-	9959
	Kg.	526	460	496	429	648	587	643	728	-	-	-	-	-	-	4517
5070	lb.	1194	1017	1134	956	1498	1363	1487	1677	-	-	-	-	-	-	10328
	Kg.	542	461	514	434	679	618	675	761	-	-	-	-	-	-	4684
5075	lb.	1194	1017	1134	956	1502	1365	1488	1678	-	-	-	-	-	-	10335
	Kg.	542	461	514	434	681	619	675	761	-	-	-	-	-	-	4687
5085	lb.	996	852	936	792	805	759	1121	852	757	808	1010	1309	-	-	11000
	Kg.	452	387	425	359	365	344	508	386	343	367	458	594	-	-	4989
5090	lb.	1151	978	1084	911	1214	978	975	1005	1204	1549	-	-	-	-	11050
	Kg.	522	444	492	413	551	444	442	456	546	703	-	-	-	-	5012
5095	lb.	867	718	805	681	779	671	749	701	1052	796	701	749	966	1222	11457
	Kg.	393	325	365	309	353	305	340	318	477	361	318	340	438	554	5197
5100	lb.	885	723	820	685	796	676	753	704	1056	800	714	785	1023	1394	11815
	Kg.	401	328	372	311	361	307	341	319	479	363	324	356	464	632	5359
5110	lb.	952	760	851	698	816	682	789	719	1229	858	719	789	1028	1399	12290
	Kg.	432	345	386	317	370	310	358	326	558	389	326	358	466	635	5575

Table 24

SKM Packaged Airconditioning Units

PACF Series - R-22

Loading Points 60Hz

PACF	UNIT	LOADING POINTS														TOTAL WEIGHT
		A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	
6075	lb.	1216	1025	1149	958	1448	1313	1437	1624	-	-	-	-	-	-	10171
	Kg.	551	465	521	435	657	595	652	737	-	-	-	-	-	-	4613
6080	lb.	1256	1029	1196	969	1517	1383	1506	1697	-	-	-	-	-	-	10555
	Kg.	570	467	542	439	688	627	683	770	-	-	-	-	-	-	4787
6085	lb.	1256	1029	1196	969	1521	1384	1508	1697	-	-	-	-	-	-	10562
	Kg.	570	467	542	439	690	628	684	770	-	-	-	-	-	-	4790
6095	lb.	1062	862	1002	802	822	776	1137	869	774	825	1026	1326	-	-	11284
	Kg.	482	391	454	364	373	352	516	394	351	374	465	601	-	-	5117
6100	lb.	1225	990	1158	923	1232	996	993	1023	1222	1567	-	-	-	-	11330
	Kg.	556	449	525	419	559	452	451	464	554	711	-	-	-	-	5139
6105	lb.	917	726	856	690	830	681	765	716	1068	812	716	765	982	1238	11761
	Kg.	416	329	388	313	376	309	347	325	484	368	325	347	445	561	5335
6115	lb.	938	732	874	694	849	687	769	720	1072	816	730	801	1039	1410	12130
	Kg.	426	332	396	315	385	311	349	327	486	370	331	363	471	640	5502
6125	lb.	1008	769	908	707	872	693	805	735	1245	874	735	805	1044	1415	12617
	Kg.	457	349	412	321	396	314	365	333	565	396	333	365	473	642	5723

Table 25

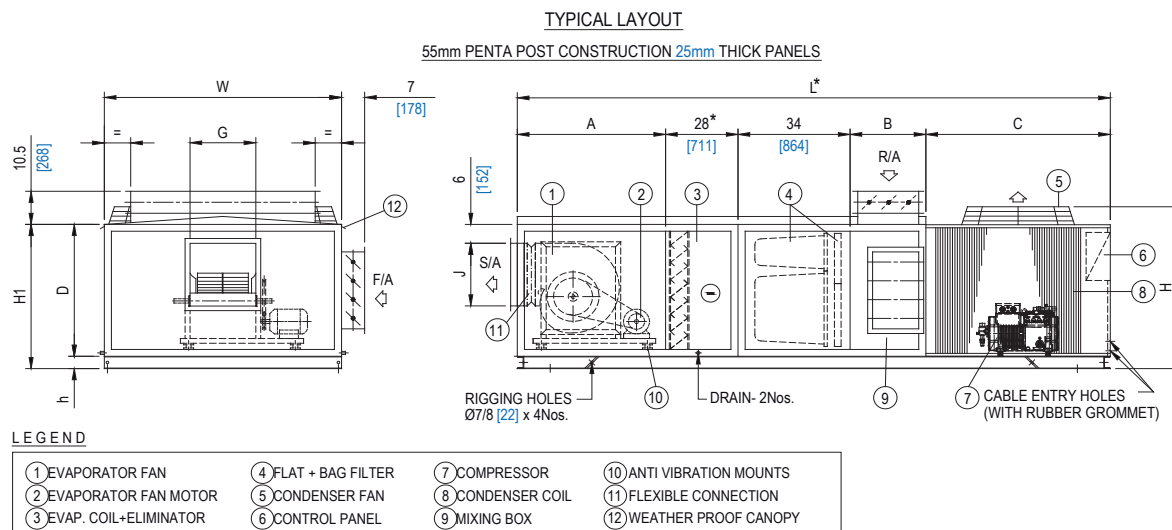
SKM Packaged Airconditioning Units

PACF Series - R-22

Optional Modular Construction

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.
- 21" (533 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).



MODEL PACF-	ALL DIMENSIONS ARE IN INCHES [mm]												CABLE ENTRY	EVAP																						
	L	W	H	H1	D	h	A	B	C	J	G	DRAINø	CONTROL / POWER	FAN																						
5011 6012	161 [4089]	68 [1727]	51.65 [1312]	45.94 [1167]	42 [1067]	3.94 [100]	36 [914]	18 [457]	45 [1143]	15.91 [404]	15.91 [404]	1	ø3/4 [19] / Ø1 [25]	ADH E2 315																						
5014 6015	187 [4750]	74 [1880]					45 [1143]	24 [610]	56 [1422]	19.96 [507]	19.96 [507]			ADH E2 400																						
5020 6022	196 [4978]	84 [2134]					52 [1321]		58 [1473]	22.48 [571]	22.48 [571]		ø1 [25] / Ø1 1/2 [38]		ADH E2 450																					
5021 6023														218		53.63 [1362]	49.92 [1268]	45 [1143]	4.92 [125]	56 [1422]	30 [762]	76 [1930]	25.24 [641]	25.24 [641]		ADH E2 500										
5024 6027	61.63 [1565]	52.92 [1344]	48 [1219]	60 [1524]	36 [914]	80 [2032]	28.19 [716]	28.19 [716]	ø1 [25] / ø2 [51]	ADH E2 560																										
5028 6031											73.63 [1870]	61.92 [1573]	57 [1448]		68 [1727]												5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R		
5029 6032																																			224 [5690]	56.92 [1446]
5030 6034														88 [2235]		77.63 [1972]	73.91 [1877]	68 [1727]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R										
5033 6037	232 [5893]	61.92 [1573]	57 [1448]	60 [1524]	36 [914]	80 [2032]	28.19 [716]	28.19 [716]	ø1 [25] / ø2 [51]	ADH E2 560																										
5035 6041											73.63 [1870]	61.92 [1573]	57 [1448]		60 [1524]												36 [914]	80 [2032]	28.19 [716]	28.19 [716]	ø1 [25] / ø2 [51]	ADH E2 560				
5039 6043																																	250 [6350]	77.63 [1972]	73.91 [1877]	68 [1727]
5040 6044														256 [6502]		85.63 [2175]	83.91 [2131]	78 [1981]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R										
5042 6046	256 [6502]	85.63 [2175]	83.91 [2131]	78 [1981]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]																										
5047 6052											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
5048 6053																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
5049 6054														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
5055 6065	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]	ADH 630 R											
	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]																ADH 630 R										
											264 [6706]	89.91 [2284]	84 [2134]		5.91 [150]												68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1/4 [32]				
																																	264 [6706]	89.91 [2284]	84 [2134]	5.91 [150]
														264 [6706]		89.91 [2284]	84 [2134]	5.91 [150]	68 [1727]	42 [1067]	84 [2134]	31.53 [801]	31.53 [801]	1 1												

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

**FROM THE MODELS 5024/6027 TO 5055/6065 DRAIN CONNECTION (FTP TYPE) TO BE INTEGRATED INSIDE THE UNIT

Table 26

SKM Packaged Airconditioning Units

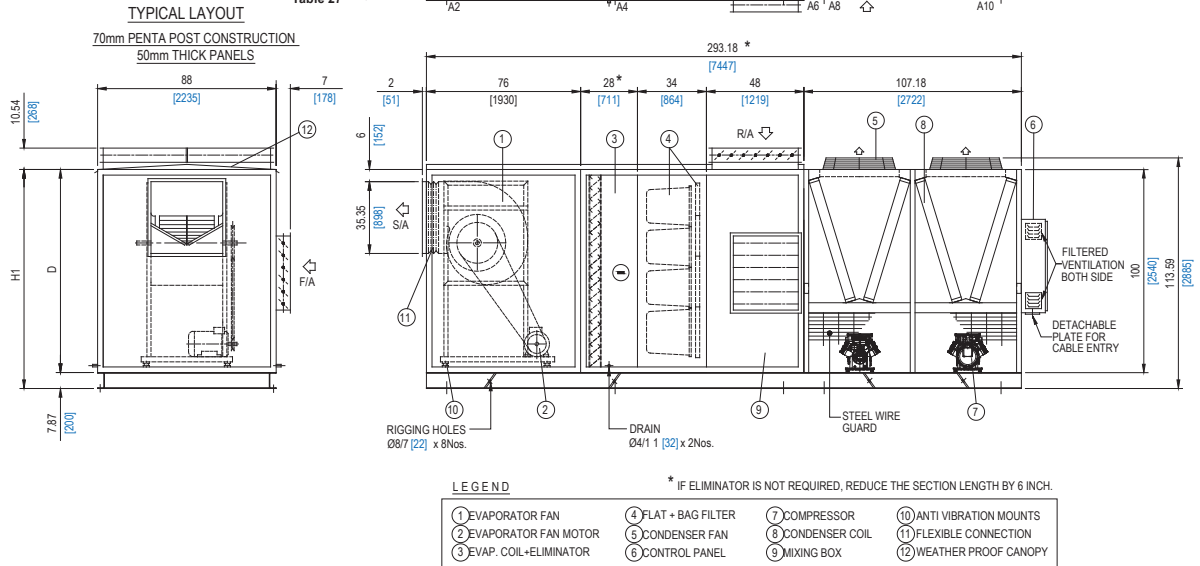
PACF Series - R-22

Optional Modular Construction

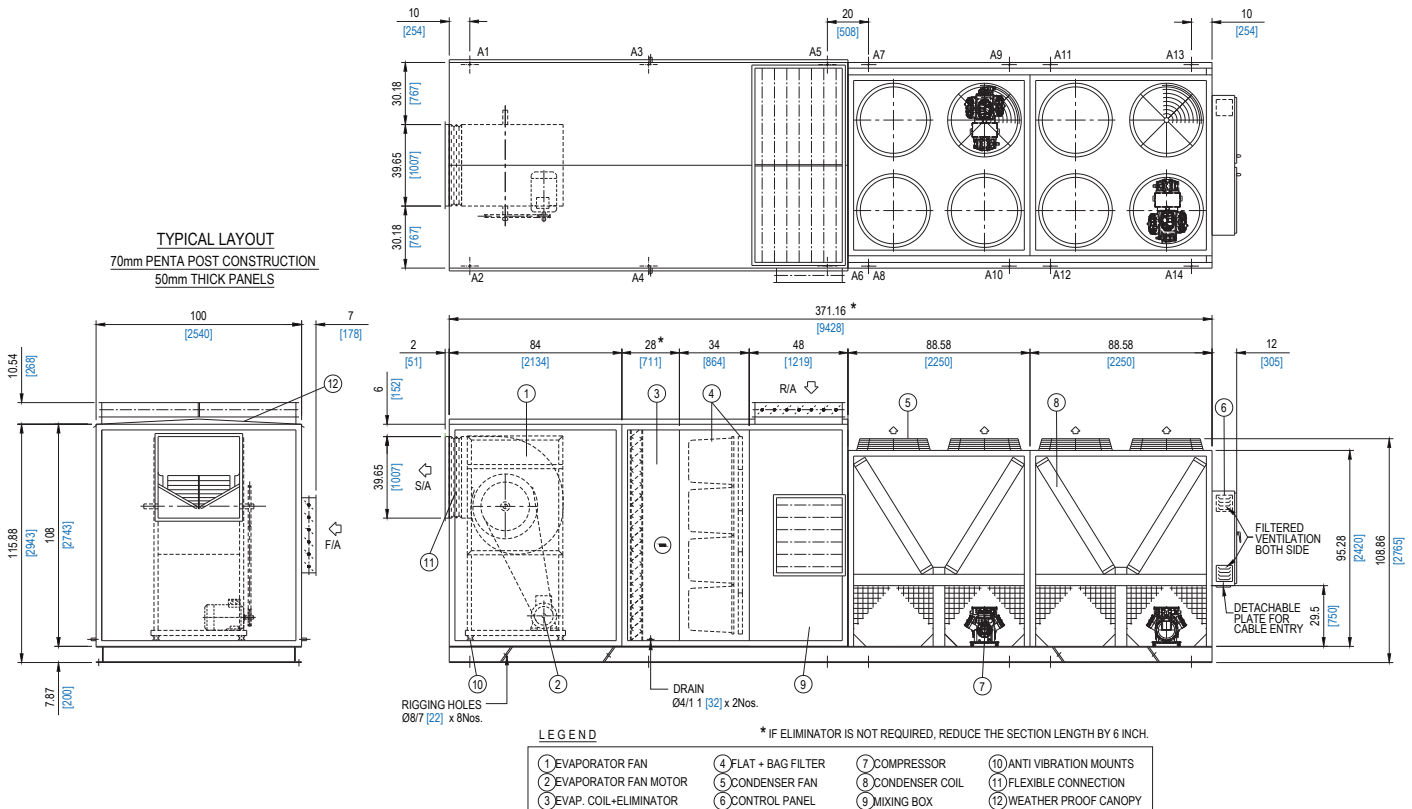
PACF Models: 5065-5075 & 6075-6085

MODEL PACF-	ALL DIMENSIONS ARE IN INCHES [mm]		EVAP FAN
	H1	D	
5065	103.87	96	ADH-710R
6075	[2638]	[2438]	
5070	115.87	108	
6080	[2943]	[2743]	
5075	115.87	108	
6085	[2943]	[2743]	

Table 27



PACF Models: 5085/6095

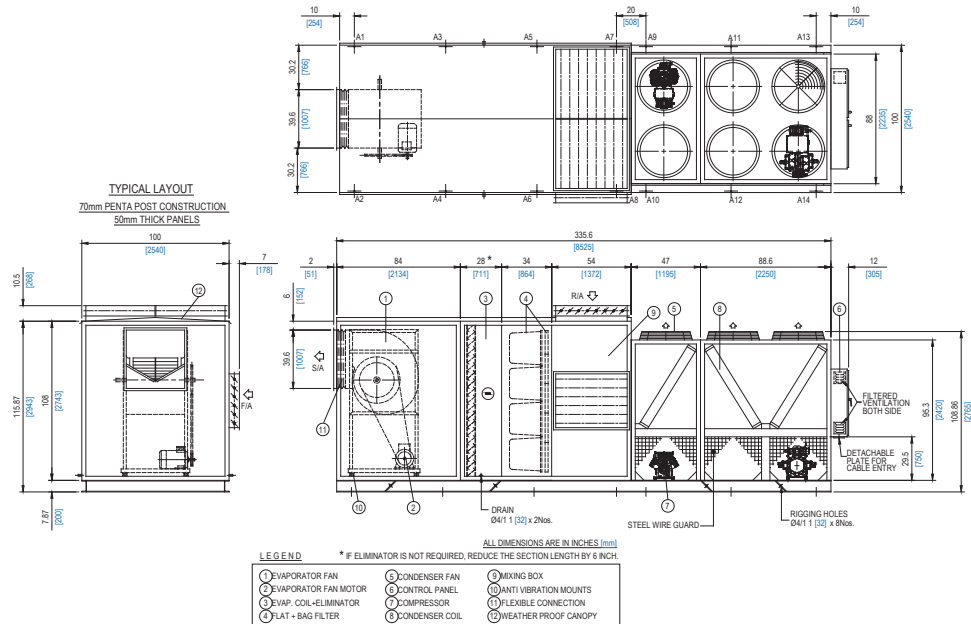


SKM Packaged Airconditioning Units

PACF Series - R-22

Optional Modular Construction

PACF Models: 5090/6100



Optional Overlapped evaporator coil design

PACF Models: 5095-5110 & 6105-6125

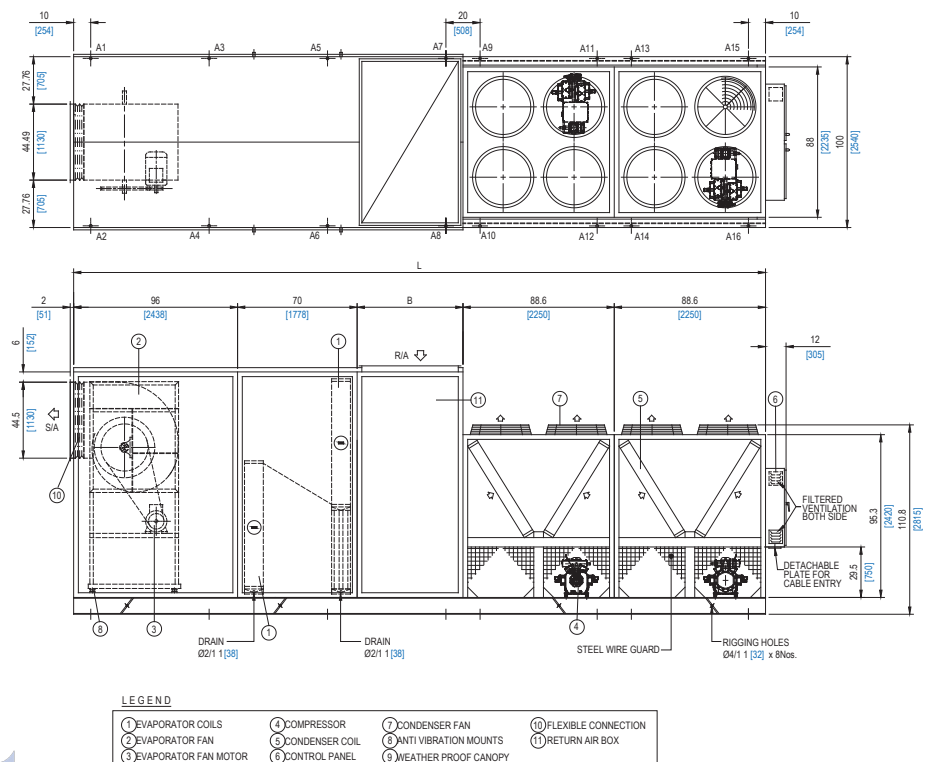
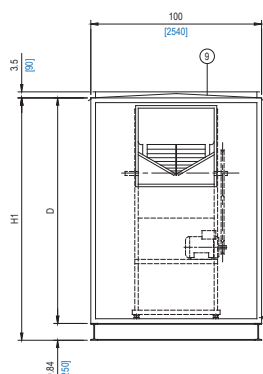
As an option, listed models can be produced as overlapped evap. coils design with front discharge fan as per details given below.

- 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.)

MODEL PACF-	DIMENSIONS			
	L	A	D	E
5095	295.2	118	112.5	36.76
6100	[7498]	[2997]	[2858]	[934]
5100	301.2	124	118.5	39.76
6115	[7650]	[3150]	[3010]	[1010]
5110	308.2	131	125.5	43.26
6125	[7828]	[3327]	[3188]	[1099]

CERTIFIED DRAWINGS ARE AVAILABLE ON REQUEST
ALL DIMENSIONS ARE IN INCHES (mm)

Table 28



SKM Packaged Airconditioning Units

PACF Series - R-22

Location and Space Requirements

PACF series Packaged Air-Conditioners should be located on a flat base either on the ground or on a roof top strong enough to hold the operating weight of the selected **PACF** model. The unit should be located with free and unhindered provision for supply of ambient air to the condenser coil and removal of heated air from it. The unit should not be located in the vicinity of steam, hot air or fume exhausts.

Site units away from noise sensitive places or consider suitable anti-vibration mounts with other treatment to minimize noise and vibration transmission. Do not duct or obstruct condenser fan discharge in any way.

Consider option CGP if located on ground level where protection against vandalism is desired.

For parallel location of multiple units a minimum clearance between the units must be 50% more than the recommended clearance for single unit installation.

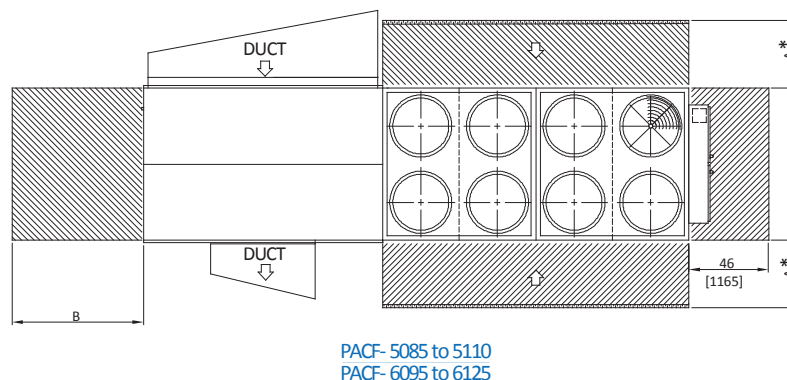
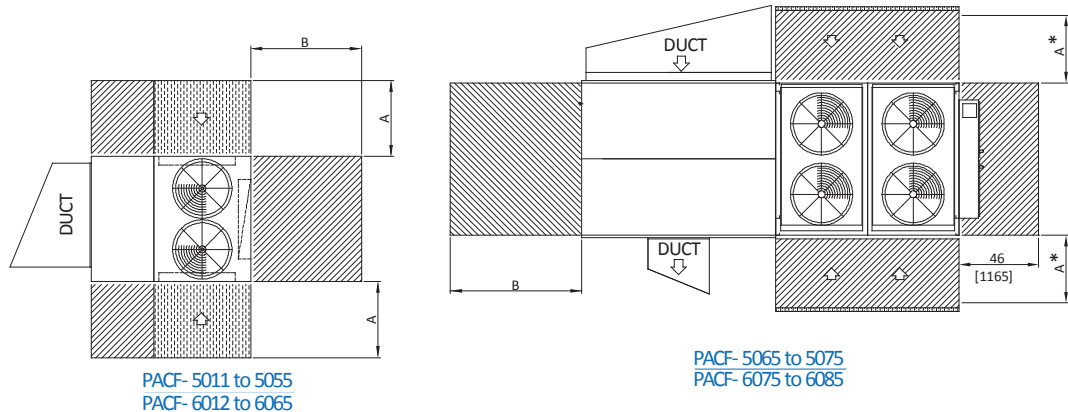
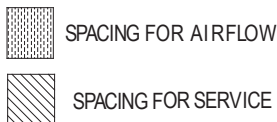
Do not duct fan exhaust and do not place any obstruction on any fan outlet

PACF MODELS		A	B	C
5011	6012	50	42	60
5014	6015	62	50	
5020	6022	76	54	
5021	6023		70	
5024	6027	82	66	72
5028	6031		70	90
5029	6032		78	96
5030	6034			108
5033	6037			
5035	6041			
5039	6043			
5040	6044			
5042	6046			
5047	6052			
5048	6053	84	92	-
5049	6054		104	
5055	6065		108	
5065	6075		114	
5070	6080		122	
5075	6085			
5085	6095			
5090	6100			
5095	6105			
5100	6115			
5110	6125			

ALL DIMENSIONS ARE IN INCHES

Table 29

Single Unit Installation

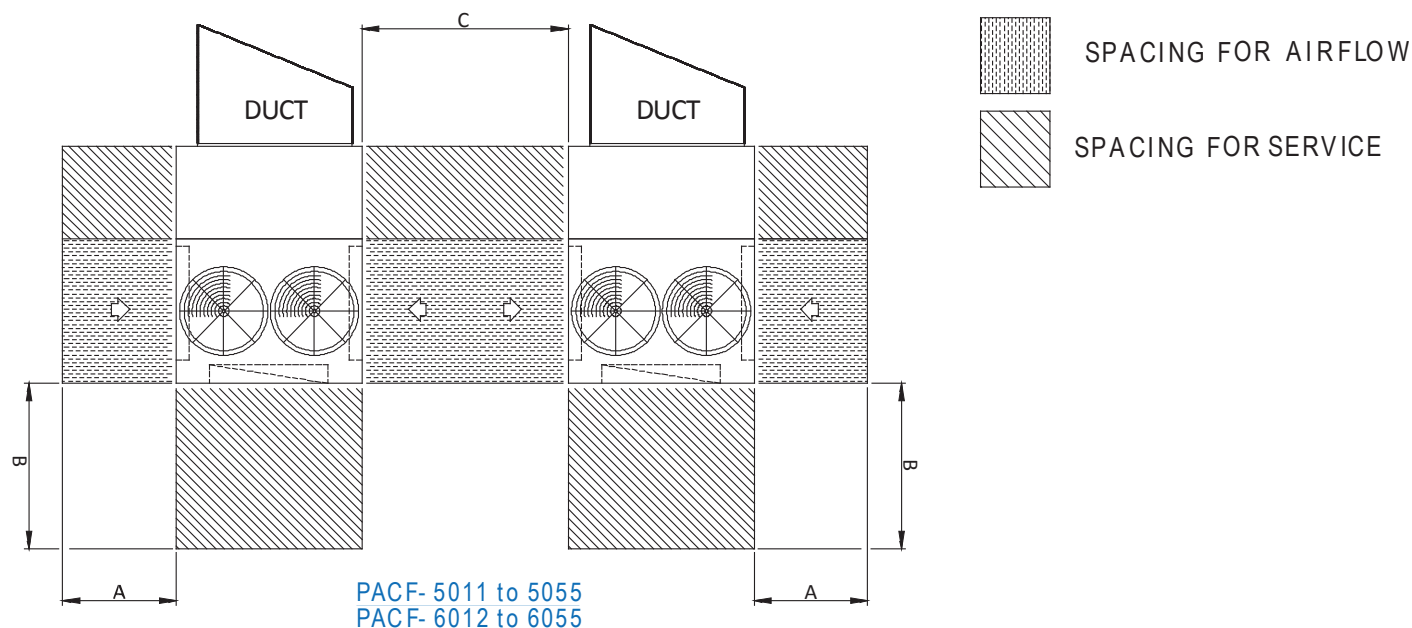


* SPACING FOR BOTH AIR FLOW AND SERVICE

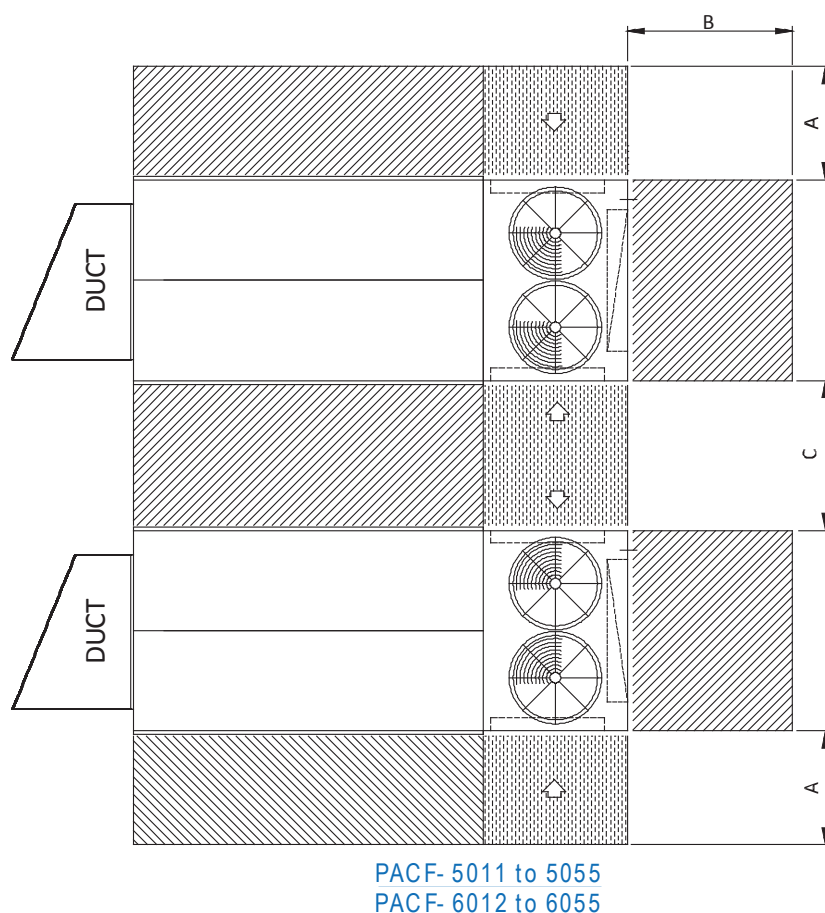
SKM Packaged Airconditioning Units

PACF Series - R-22

Multiple Units Installation



Multiple Units Installation (Modular Construction)



SKM Packaged Airconditioning Units

PACF Series - R-22

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.

These Units shall be factory assembled, internally wired, fully refrigerant charged with R-22, tested under strict quality standards & are suitable for outdoor installation on rooftop or ground level with ducted system. Units should be capable to operate from 50°F (10°C) to 120°F (48.9°C) ambient temperature, and shall be selected in accordance with project requirements and installed per Installation, Operation & Maintenance Manual.

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 maximum 14 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 of high energy efficiency ratio, fully accessible, semi hermetic reciprocating type with valves, equipped with crankcase heater, oil pump, refrigerant gas cooled electric motor, preset internal relief valve, inherent thermistor motor protection, suction and discharge service valves, oil sight glass and shall be mounted on spring anti vibration mounts to minimize vibration transmissions. Compressors shall conform to EN 12900 standards.

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 12 FPI (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 11 kW. Above 11 kW fixed pulleys shall be standard. Variable pitch pulleys shall be provided above 11 kW motors, if so specified.

More than one fan arrangements shall be used to cover the wide range of air flow rates. 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 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 1/2" (12mm) wall thickness enclosed cell pipe insulation with maximum K factor 0.28 Btu.in / ft² .h.°F. (0.040 W/mK).

Discharge line shall be fabricated with hot gas muffler to minimize compressor noise and dampen discharge gas pulsations.

CASING

Unit casing shall be made of zinc coated galvanized steel sheets conforming to JIS-G3302 and ASTM A653 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/m³ density having Max. K factor 0.23 Btu.in / ft² .h.°F (0.033 W/mK) and permanent odorless fibre glass insulation of minimum 1" (25mm) thickness for models up to **PACF-5055 & 6065** and 2" (50mm) thickness for models **PACF-5065 & 6075** onwards. Unit casing shall be provided with access panels for easy service and maintenance of all units parts.

FILTERS

Units shall be supplied with a range of filter sections with flat filter or vee filter 1" or 2" thick, with EN classes: G2 & G3 efficiency, in accordance with ASHRAE 52.2 if so specified.

A bag filter section to house 15", 21", or 30" deep bag filters having F8, F9 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 panel shall be factory wired in accordance with NEC 430 & 440, and conform to IP-54 requirements. Control panel shall contain individual electrical components' contactors, fan motor circuit breakers, transformer, anti-recycling time relay, control circuit disconnect switch, power & control circuit terminal blocks, high/low pressure & oil failure switches (Please refer to page 5 for detailed information of Control Panel).

NOTES

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SKM Packaged Airconditioning Units PACF Series - R-22

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we cool it*

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