

Packaged Air Conditioner R22

ETA has a complete range of New Generation Air-conditioning products for Indian & International Market. A wide range of models are available in FMPAC & RTP Units to ensure that the air-conditioning system design is implemented without any compromise. All products have been designed & developed to perform & satisfy customers needs even at peak loads, and offer a true value for money.

ETA FMPAC units are single packaged units which are factory assembled, tested and shipped complete with compressor, evaporator and condenser coils, fans and controls. These packages are designed for Indoor installation, and are used for cooling only application.

FMPAC unit is ideal for commercial and industrial applications and are available from 5.5 TR to 22 TR. (Nominal capacities at 50Hz.)

ETA air-cooled package units with efficient hermetic Scroll compressors are preferred choice for customers for low bills and minimum maintenance cost. These series is designed for flexible capacity applications and easy installation. Our units are Robust, compact in Design and are supplied in a complete package ready for operation after installation & commissioning.

Our units have a single power point entry with simple connections. All units are designed to ensure maximum compliance with International standards like UL and Eurovent.

Quick start-up is ensured once installation is complete, as each unit is manufactured in an ISO 9001 listed facility to guarantee quality. In addition, all units are tested at the factory to provide

Features : Indoor Units

Quiet Operation

Our units offers low sound power level units measured in accordance with the BS ISO 3744 standard by adopting low noise scroll compressor, fans and special designed refrigerant piping in addition to the expanded polyethylene insulation for the evaporator section and compressors mounting on vibration isolators.

Micro Processor

Microprocessor based controls enable the unit to think and work intelligently & distribute the load with multiple compressor for equal time and hence increasing the life of compressor and keeps the unit healthy.

Easy Installation

Units are factory assembled, pre-charged, tested and provided with a single electrical connection point. On arrival to the job site they are ready to be lifted to their operating position using the special lifting supports available on the units.

Superior Efficiency

Better efficiency levels at both full load and part load efficiency. The units have a very low input kW/TR and are tested in our state-of-the-art test lab to validate the performance.

Compact Footprint

ETA units offer compact footprints and the possibility for close-spacing installation to serve the areas that have space constraints.

Coil Finishing

All copper pipes and headers are being cleaned, to maintain pipe and brazing protected against all external conditions. All coils U-Bends are deburred before assembling with coil.

Filters

All models are provided with HDPE flat filter (as standard features).

Drain Pan

All units are provided with a fully painted galvanized steel drain pan having a drain connection from one side. The drain pan is insulated on the sides and underside to prevent condensation.

Insulation

All units are internally lined with EPE insulation for the coil and fan section (evaporator side only).

Construction

- Heavy duty mounting chassis for whole unit, Heavy guage steel base with special lifting lugs, unit is fully coated with weatherproof polyester powder electrostatic paint, oven-baked to ensure maximum gloss and hardness.
- Weatherproof oven-baked polyester epoxy powder electrostatic paint finish for sheet, and the base frame is painted with polyester powder that offers a highly durable gloss and hardness to protect it against outside affects.
- Modular design with multiple compressor executions, provides flexibility for varying load conditions, and avoids total shut down of a unit during service of any of the refrigeration circuits.
- Easily accessible system components. Ample space for easy access to power and control panels. Design of the condenser and evaporator coils allows less installation space requirements.
- Liquid, discharge and suction pipes are all type L hard copper pipes which are formed the using the highly accurate 3 Axis-CNC pipe bending machine to minimize pipes brazed joints and increase system reliability.
- All copper pipes and headers are being cleaned, to maintain pipe brazing protected against all external conditions.
- High and low (auto reset) pressure safety switches (factory pre-set).
- Components of each refrigeration circuit include:
 - Expansion device
 - Liquid line shut off valve.
 - Liquid line solenoid valve (for cooling applications only).
 - High/Low safety pressure switches (factory pre-set).
 - Charging Ports
 - Filter Drier

Technical Specification

TECHNICAL SPECIFICATION OF AIR-COOLED FLOOR MOUNTED PACKAGE AIR - CONDITIONERS (R22)							
DESCRIPTION		UNITS	EAPS066R	EAPS102R	EAPS132R	EAPS204R	EAPS264R
Nominal	Nominal Cooling Capacity	Btu/Hr	66000	99600	132000	204000	264000
		TR	5.5	8.5	11	17	22
OUTDOOR UNIT	Model		EAP066CR	EAP102CR	EAP066CR	EAP102CR	EAP132CR
Qty		Nos	1	1	2	2	2
Dimensions	Outdoor unit (L x H x W)	mm	1050 X 1060 X 440	1100 X 1265 X 545	1050 X 1060 X 440	1100 X 1265 X 545	1000 x 1265 x 540
Condenser Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Fan quantity		1	2	2	2	2
Power Supply			230V/1Ph/50Hz				
INDOOR UNIT	Model		EAPS066ER	EAPS102ER	EAPS132ER	EAPS204ER	EAPS264ER
Qty		Nos	1	1	1	1	1
Blower Fan	Type		Centrifugal/DIDW	Centrifugal/DIDW	Centrifugal/DIDW	Centrifugal/DIDW	Centrifugal/DIDW
Dimension	Indoor unit (W X H X D)	mm	950X1550X650	1150 X 1850 X 650	1150 X 1670 X 650	1500 X 1850 X 750	1600 X 2130 X 960
Nominal Air Flow		cfm	2200	3400	4400	6800	8800
Compressor	Type		Hermetic Scroll				
	Quantity		1	1	2	2	2
Outdoor unit Weight (Approx)		kg	208	220	208 each	220 each	264 each
Indoor unit Weight (Approx)		kg	160	190	220	250	334
Power Supply	400V/3Ph/50Hz						
Controller	Microprocessor Based controller						

WATER COOLED FLOOR MOUNTED PACKAGE AIR - CONDITIONER (R22)						
DESCRIPTION		UNITS	EWPS066R	EWPS102R	EWPS132R	EWPS204R
Nominal	Nominal Cooling Capacity	Btu/hr	66000	102000	132000	204000
		TR	5.5	8.5	11	17
Compressor	Type		Hermetic Scroll			
	Quantity		1	1	2	2
Water Cooled Condenser	Type		Shell and Tube			
	Quantity		1	1	1	1
	Water inlet & outlet connection size	inch	1 1/2	1 1/2	2	2
Power Supply	400V/3Ph/50Hz					
Evaporator coil	Internally Grooved copper tubing with louvered rippled edge fin					
Evaporator Blower	Qty	Nos	1	1	1	1
	Type		Centrifugal/DIDW	Centrifugal/DIDW	Centrifugal/DIDW	Centrifugal/DIDW
Nominal Air Flow		cfm	2200	3400	4400	6800
Dimension	Total unit (W X H X D)	mm	950X1550X650	1150 X 1850 X 650	1150 X 1670 X 650	1500 X 1850 X 750
Total unit Weight (Approx)		kg	260	360	440	550
Controller	Microprocessor Based controller					