

## Panel Air Conditioner

### PAC2500-A111 | Cooling units

Wall-mounted Indoor Panel Air Conditioner

First-of-its-kind, innovative technology setting a new industry benchmark in Panel Air Conditioners.

#### Features

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- Unique Auto Air Filter Cleaning Technology ensures “No more Clogger Air filters”
- Consistent cooling efficiency with best EER - minimises energy costs in demanding environments
- Smart Controller with Modbus TCP & Wi-Fi for remote monitoring and control
- Heavy duty designed for Industrial environment up to 50°C
- CE certified & RoHS compliant, Manufactured in India for Global Market



## Technical data

### Product properties

Product type	Industrial Panel Air Conditioner
Model number	PAC2500-A111
Fixing type	Wall Mounted
Designed for	Indoor Application
Body material	GI Sheet Steel, SS304 & SS316 options available
Colour	RAL7035 & RAL 5015
Surface treatment	Powder Coated

### Performance (DIN EN 14511)

Cooling output L35/L35	2500 W
Cooling output L35/L50	2000 W
Energy efficiency ratio (EER)	2.29

### Electrical data

Rated operating voltage	240 VAC, 1~, 50 Hz
Running current	5.4 A
Rated current (max)	5.9 A
Start-up current	22 A
Power consumption L35/L35	1090 W
Power consumption L35/L50	1360 W

### Airflow

Internal circuit airflow (Unimpeded)	800 m <sup>3</sup> /h
External circuit airflow (Unimpeded)	1015 m <sup>3</sup> /h
Internal air direction	Front suction → Front throw
External air direction	Back suction → Top throw

### Refrigeration system

Refrigerant	R-134a
Refrigerant quantity	0.910 kg
Global warming potential (GWP)	1430

## Noise level

Internal circuit	60 dBA
External circuit	53 dBA

## Protection and environmental conditions

Protection – internal circuit	IP54
Protection – external circuit	IP20
Ambient temperature (operation)	10°C ... 50°C
Ambient temperature (storage)	-40°C ... 70°C

## Temperature controller

Controller type	Digital Controller / Haima Smart Controller (Smart Model)
Temperature range	+25°C to +45°C
Factory setting	+35°C
Display	LED with touch button / LCD Touch display (Smart Model)
Alarm output	Door Open, Alarm, Temp. Sensors (Smart Model)
Communication	RJ45 Modbus TCP / Wi-Fi (Smart Only)

## Construction details

Insulation	Class O Nitrile Butadiene Rubber
Power connection	Plug-in terminal strip
RJ45 connection	RJ45 Female socket

## Dimensions and weight

Unit dimensions (W × D × H)	400 × 350 × 1000 mm
Box dimensions (W × D × H)	450 × 400 × 1100 mm
Net weight	40 kg
Gross weight	43 kg

## Packaging and logistics

Packing unit	1 piece
Packaging type	Packed in Corrugated Box
Customs tariff number	84158200

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Country of origin	India

## Supply includes

- User Instruction Manual x 1 nos.
- Mounting Bolt & Washer set
- Gasket with Cutout x 1 nos.

## Notes

**Notes on operation:** *The unit must not be operated outside the specified ambient temperature range. Ensure adequate ventilation around the external circuit. Disconnect power before any maintenance or wiring work.*

**Refrigerant note:** *R-134a is a hydrofluorocarbon (HFC) refrigerant. Handle in accordance with local environmental and safety regulations.*

## Environmental product compliance

EU RoHS	CE Compliant – no exemptions
Refrigerant (GWP)	R-134a, GWP 1430
Country of manufacture	India (IN)

**Manufactured by:**

**Pima Controls Pvt Ltd  
Ahmedabad, Gujarat, India**