

Panel Air Conditioner

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WELTEM



1 Specifications



WPA-300



WPA-500



WPA-800

Coolant	R-134a		
Compressor	0.07kW(1/10HP)	0.15kW(1/15HP)	0.25kW(1/3HP)
Consumption	396W	660W	1056W
Rated voltage	1Ø 208~230V 50Hz/60Hz	1Ø 208~230V 50Hz / 60Hz	1Ø 208~230V 50Hz / 60Hz
Dimension (WxHxD)	280x494x180mm	320x600x205mm	380x770x205mm
Rated current	1.8A	3.0A	4.8A
Type	Side Mounting, Half Insertion	Side Mounting, Half Insertion	Side Mounting, Half Insertion

1 Specifications



WPA-1000



WPA-1500 / WPA-2000

	WPA-1000	WPA-1500	WPA-2000
Cooling capacity	1.1kW/h / 4000BTU / 0.33Ton	1.7kW/h / 6000BTU / 0.5Ton	2.32kW/h / 8000BTU / 0.66Ton
Weight	36Kg	48Kg	48Kg
Coolant	R-134a		
Compressor	0.25kW(1/3HP)	0.40kW(1/2HP)	0.45kW(3/5HP)
Consumption	1056W	1320W	1320W
Rated voltage	1Ø 208~230V 50Hz/60Hz	1Ø 208~230V 50Hz / 60Hz	1Ø 208~230V 50Hz / 60Hz
Dimension (WxHxD)	380x800x205mm	420x1050x250mm	420x1050x250mm
Rated current	4.8A	6.0A	4.8A
Type	Side Mounting, Half Insertion	Side Mounting, Half Insertion	Side Mounting, Half Insertion

1 Specifications



WPA-3000



HPA-500R



HPA-1000R

	WPA-3000	HPA-500R	HPA-1000R
Cooling capacity	3.4kW/h / 12000BTU / 1Ton	0.55kW/h / 1900BTU / 0.16Ton	1.16kW/h / 4000BTU / 0.33Ton
Weight	65Kg	25Kg	37Kg
Coolant	R-134a		
Compressor	0.75kW(1HP)	0.07kW(1/10HP)	0.25kW(1/3HP)
Consumption	2376W	550W	900W
Rated voltage	1Ø 208~230V 50Hz/60Hz	1Ø 208~230V 50Hz / 60Hz	1Ø 208~230V 50Hz / 60Hz
Dimension (WxHxD)	500x1450x265mm	320x244x460mm	438x267x508mm
Rated current	10.8A	2.5A	4.1A
Type	Side Mounting, Half Insertion	Top Mounting	Top Mounting

1 Specifications



Side Mounting

1 Specifications



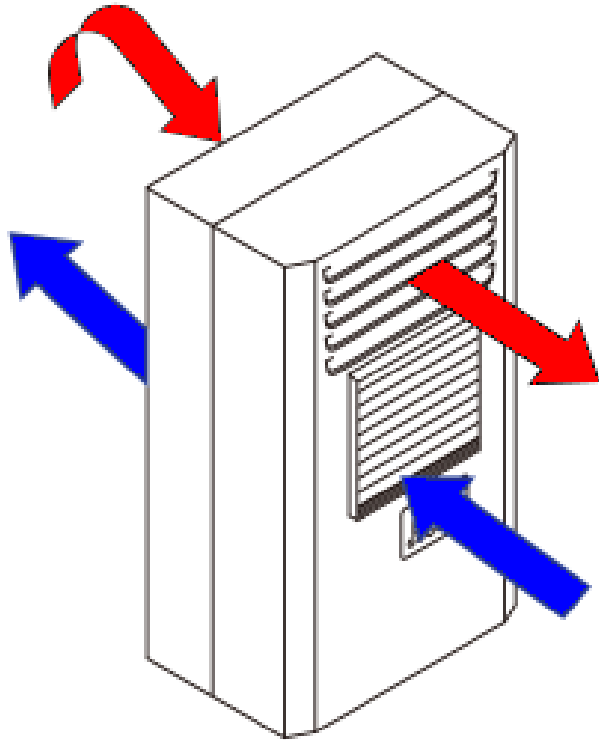
Half insertion of side Mounting

1 Specifications



Top Mounting

1 Specifications



Cooling Cycle

2 What is Weltem panel air conditioner

**Setting
temperature
is easy.**

**Using
durable and
High efficiency
Fan-Motor**

**Environment
friendly refrigerant
HFC-134a/R410a**

**Easy
maintenance
and after
sales
Service.**

2 What is Weltem panel air conditioner

Weltem panel air conditioner

▶ Qualified Compressor provide high performance and low noise.

▶ The digital operation controller is easy to use and users can see operating condition easily.

▶ Several types as per shape of panel

▶ Recommendable temperature of inside, Outside of panel is 45°C.

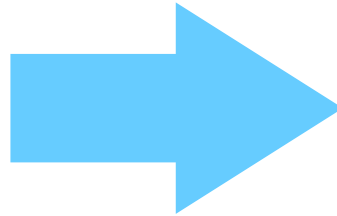
▶ Maintaining proper temperature of inside of panel will provide long life of equipment and high productivity

2 What is Weltem panel air conditioner

➔ Necessity of panel air conditioner

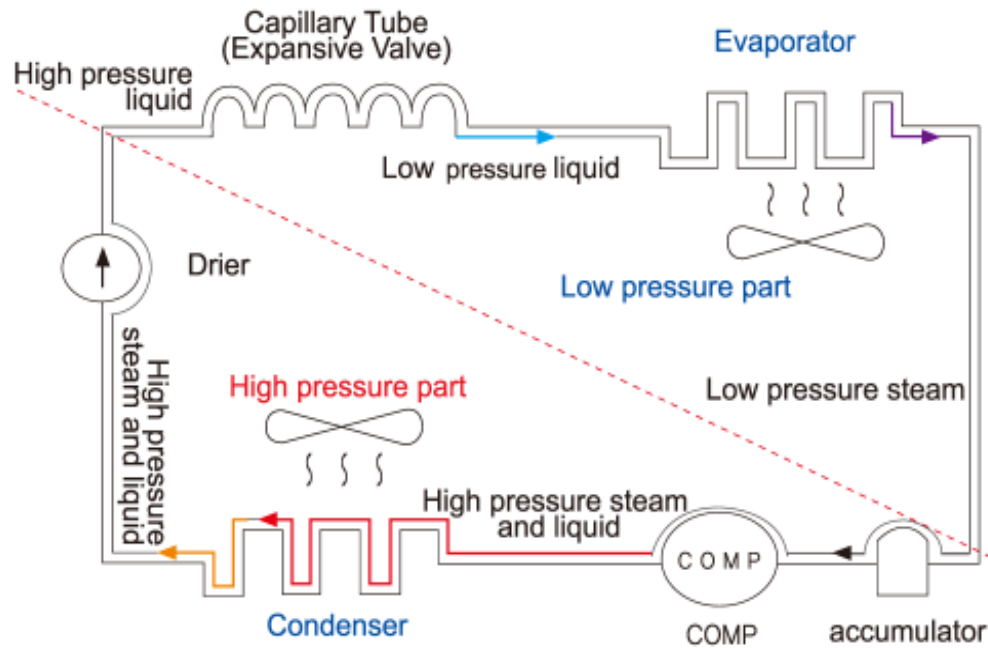
**High calorific value
of highly efficient machine
due to automatic control
part of production facility**

**Control of setting
temperature is available**



- Problem of production facility.
- Shortening like span of production facility.
- Cause of inferior product.
- Extension of life span of machine and prevention of breakdown.
- Control of humidity

3 Cooling principle and cycle



<Cooling Principal>

< Cooling cycle >

1. The compressor presses refrigerant and then sends to the condenser.
2. The compressed refrigerant evaporates while it passes the capillary tube
3. The compressed refrigerant absorbs the heat and decreases the temperature inside the panel.
At this time, Humidity is also removed, the inflow of outside air is blocked so the inside control box always maintains setting temperature.

4 The feature of product

1. Function of abnormality output

- Function of abnormality output
- Output of high temperature alarm
- Low temperature alarm
- Abnormality alarm in compressor
- Indication of door open of control box
- Abnormality alarm of high/low pressure in refrigerant.



2. Digital temperature control indicator

- User can see the operating situation easily.

3. Function of evaporation of condense water

- PTC heater which is low power ,high efficiency is used.
- PTC heater is very efficient electric power because it operates with compressor.

4. Use of new refrigerant

- R-134a/R-410a that ozone -destroying index is Zero are used to all CoolZen model

5. Supply of spare part is easy and user can get after-sale service easily.

SE1	SE2	DR1	DR2	NO	NC	COM	R	T	G
Sence		Door Singal		Abnormality output			Power		

Terminal Board	Description
G	Power input contact
T	
R	
COM	Error output contact
NC	
NO	
DR2	Door signal input contact
DR1	
SE2	Temperature sensor input contact
SE1	

5

Applications



