



RoHS



ISO 9001, ISO 14001

PORTABLE AIR CONDITIONER & HEATERS [50Hertz]



WELTEM

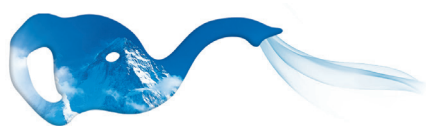


Spot cooling for intended areas Stay cool during summer with WELTEM portable air conditioner

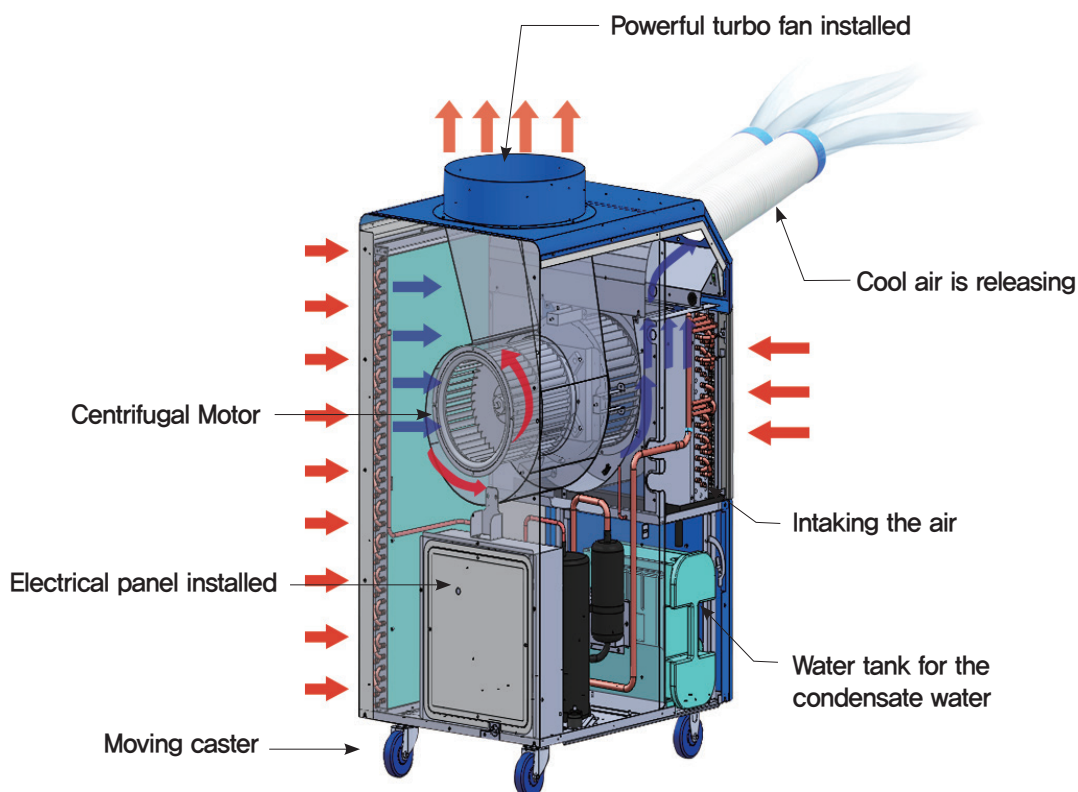
Dehumidifying function
available (Option)



Weltem Portable air conditioner features SPOT COOLING for large areas where cooling of entire area is not practical like factory, open area, etc. It is much economical to provide cool air to people or material directly than entire cooling. It also provides ROOM COOLING function for closed area to control the temperature of the area.



Portable Air Conditioner



01 Spot/Concentrating Cooling System

WELTEM's spot cooler that releases powerful cool air is the best option when entire cooling is impossible or inefficient.



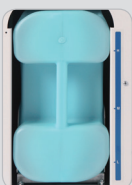
02 Convenient Digital Controller

Easy to use and well equipped with Self-diagnostic function and Adjusting Airflow as well Remote control function, Auto restart



03 Condensate Tank

It will store the water coming out from Heat exchanger.



04 Sturdy Castors

Anti-corrosion, high strength material
Convenient self fixing device installed





Portable Air Conditioner

The features of ICEN

- Self-diagnostic feature
- No additional installation needed thanks to indoor and outdoor unit integrated
- Hot&Cold ducts are easily extendable
- Durable metal construction

**Dehumidifying
function
available
(Option)**

**10,000
BTU**



**12,000
BTU**



**16,800
BTU**



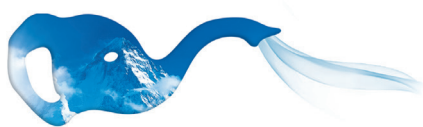
Specifications of WELTEM		WMC-2500	WPC-3000	WPC-4000
Cooling Capacity	BTU / ton / kW	10,000 0.8RT / 2.9kW	12,000 1RT / 3.5kW	16,800 1.4RT / 4.9kW
Power Supply	Hertz	50	50	50
	Phase	Single	Single	Single
	Volts	230	230	230
Size(WxDxH)	mm	441x610x508	460x590x1042	523x671x1040
Weight	Kg	57	71	86
Current Consumption	Amps	5	5.15	8.5
Power Consumption	kW	1.15	1.18	1.96
Air filter material	Condenser Evaporator	Aluminum Vinylchloride	Aluminum	Aluminum Vinylchloride
Refrigerant type		R-410A	R-410A	R-410A
Operating Conditions	°C	18~45	18~45	18~45
Max hot air duct length	m	5	14	15
Condensate Tank	Liter	Auto pump included	18	18
Cooling Area	m ²	25	33	40

※ Safety device : High pressure switch/Evaporator freeze protection/Condensate tank overflow sensor/Temperature sensor for compressor protection
Delay timer for compressor protection/Fuse for circuit board protection

- Specifications can be changed without prior notice.



WPC-5000	WPC-6000	WPC-9000	WPC-15000	WPC-23000
21,200 1.8RT / 6.2kW	25,000 2.1RT / 7.3kW	32,000 2.7RT / 9.4kW	60,000 5RT / 17.6kW	83,000 7RT / 24.3kW
50	50	50	50	50
Single	Single	Single	3	3
230	230	230	380	380
523×671×1040	560×748×1200	660×885×1380	735×1310×1520	735×1310×1520
88	96	110	300	345
11.7	12.6	19	12.8	17.4
2.69	2.9	4.4	8.4	11.5
Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride
R-410A	R-410A	R-410A	R-410A	R-410A
18~45	18~45	18~45	18~45	18~45
15	15	18	30	30
18	18	18	Auto pump included	Auto pump included
50	56	100	170	210



Portable Heat pump

The features

- Self-diagnostic feature
- No additional installation needed thanks to indoor and outdoor unit integrated
- Hot&Cold ducts are easily extendable
- Durable metal construction

13,600
BTU



16,800
BTU



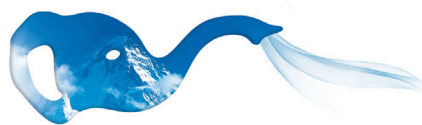
21,000
BTU



Specifications of WELTEM		WPH-3500	WPH-4000	WPH-5000
Cooling Capacity	BTU	(Cool) 13,600 (Heat) 14,800	(Cool) 16,800 (Heat) 18,500	(Cool) 21,000 (Heat) 23,100
Power Supply	Hertz	50	50	50
	Phase	Single	Single	Single
	Volts	230	230	230
Size(WxDxH)	mm	523×670×1044	612×765×1240	612×768×1240
Weight	Kg	86	105	106
Current Consumption	Amps	(C) 7 / (H) 6.36	(C) 8.2 / (H) 8.5	(C) 11.9 / (H) 11.2
Power Consumption	kW	(C) 1.58 / (H) 1.41	(C) 1.89 / (H) 1.96	(C) 2.74 / (H) 2.58
Air filter material	Condenser Evaporator	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride
Refrigerant type		R-410A	R-410A	R-410A
Operating Conditions	°C	(Cool) 18~45 / (Heat) 12~27		
Max hot air duct length	m	15	15	15
Condensate Tank	Liter	18	18	18
Cooling Area	m ²	32	42	50

※ Safety device : High pressure switch/Evaporator freeze protection/Condensate tank overflow sensor/Temperature sensor for compressor protection
Delay timer for compressor protection/Fuse for circuit board protection

- Specifications can be changed without prior notice.



Portable A/C Water-Cooled Split-cooled

☐ The features

- No Exhaust Hot air
- Water cooled portable air conditioner makes less noise Because there is not condenser fan.
- It can be installed by just connecting hose with the unit and sink/faucet.

16,500
BTU



16,665
BTU



22,220
BTU



Specifications of WELTEM		WPW-4000	WSC-4000	WSC-6000
Cooling Capacity	BTU ton / kW	16,500 1.4RT / 4.8kW	16,665 1.4RT / 4.9kW	22,220 1.9RT / 6.5kW
Power Supply	Hertz	50	50	50
	Phase	Single	Single	Single
	Volts	230	230	230
Size(WxDxH)	mm	523x671x1042	(indoor) 705x350x928 (outdoor) 600x275x655	(indoor) 705x350x928 (outdoor) 700x275x705
Weight	Kg	89	90 indoor / 22 outdoor	93 indoor / 27 outdoor
Current Consumption	Amps	5.7	10	11.9
Power Consumption	kW	1.3	2.3	2.7
Air filter material	Condenser Evaporator	None Vinylchloride	None Vinylchloride	None Vinylchloride
Refrigerant type		R-410A	R-410A	R-410A
Operating Conditions	°C	18~45	18~50	18~50
Max hot air duct length	m	30m cold water hose	30m cold water hose	30m cold water hose
Condensate Tank	Liter	18	Auto pump included	Auto pump included
Cooling Area	m ²	42	42	60

※ Safety device : High pressure switch/Evaporator freeze protection/Condensate tank overflow sensor/Temperature sensor for compressor protection
Delay timer for compressor protection/Fuse for circuit board protection

- Specifications can be changed without prior notice.



High Capacity Air Conditioner

Connecting type for outdoor duct installation

60,000
BTU



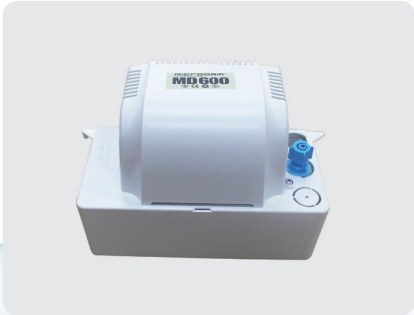
118,400
BTU



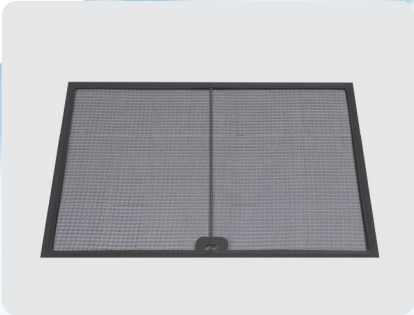
Specifications of WELTEM		WPC-18000	WPC-25000	WPC-36000	WPC-65000
Cooling Capacity	BTU ton / kW	60,000 5RT/17.6	83,000 7RT/24	118,400 9.9RT/34.7	150,000 12.5RT/43.95
Power Supply	Hertz	50	50	50	50
	Phase	3	3	3	3
	Volts	380	380	380	380
Size(WxDxH)	mm	750×1578×1478 (Cowl included)		870×1904×1801	1840×900×1720
Weight	Kg	305	345	530	1,200
Current Consumption	Amps	12.8	16.4	22.1	32.8
Power Consumption	kW	8.43	10.8	14.5	21.6
Air filter material	Condenser Evaporafor	Aluminum Vinylchloride	Aluminum Vinylchloride	Aluminum Vinylchloride	-
Refrigerant type	Type	R-410A			
Operating Conditions	°C	18~45			-
Condensate Tank	Liter	Drain hose			
Cooling Area	m²	160	210	300	

● Specifications can be changed without prior notice.

Accessories & Parts



Drain Pump



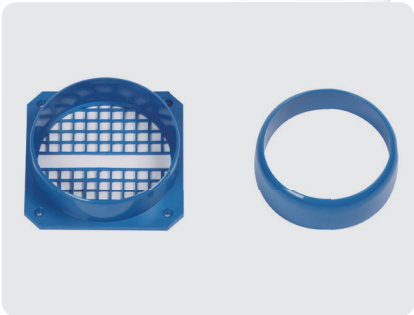
Eva filter



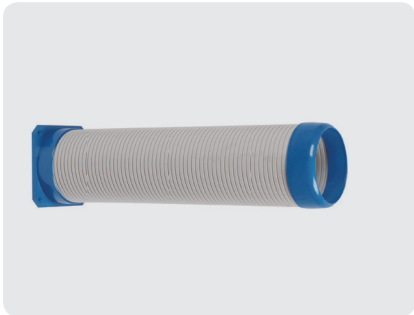
Remote controller



Cool air duct



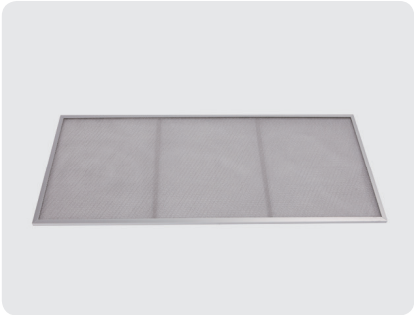
Cool air duct base
Cool air duct cover



Cool air duct
Assembly



Exhaust flange



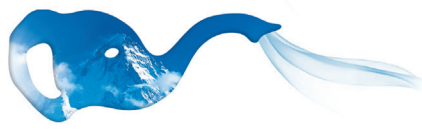
Condenser filter



Office



Commercial kitchen in hospital (Water cooled)

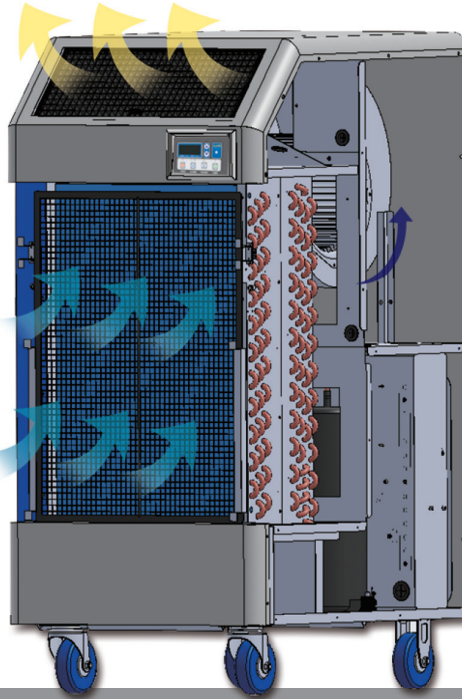


Portable Dehumidifier

250L/1day

dry wind

humid indoor air



The features

01 Strong dehumidifying function

Highest dehumid capacity



02 Auto Drain Pump installed

Water is automatically released thanks to Auto Drain Pump



03 Auto humidity adjustment function

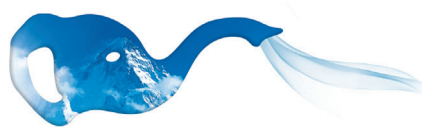
Thanks to high humidity sense, it will adopt the best humidity automatically.



04 Digital Cotnroller

ON/OFF Timer function
Error message display function





Portable Dehumidifier

Weltem's Dehumidifier will settle the serious problem caused by moisture infiltration

120L/day



180L/day



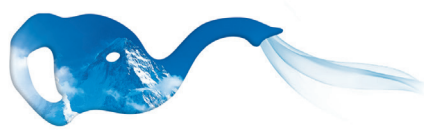
250L/day



Model	WPD-120	WPD-180	WPD-250
Power Supply	230V/50Hz	230V/50Hz	230V/50Hz
Power Consumption	4.42A	8.49A	9.94A
Power Supply	1kW	1.95kW	2.28kW
Operating conditions	5~35℃	5~35℃	5~35℃
Operating Capacity per day	120L/day	180L/day	250L/day
Refrigerant	R410A	R410A	R410A
Weight	64kg	88kg	98kg
Size (WxDxH)mm	551×607×839	523×670×1042	565×748×1200

● Dehumid Capacity per day L/day (30℃ RH80%)

● Specifications can be changed without prior notice.



High Capacity

DEHUMIDIFYING

Fresh Air for 365 days

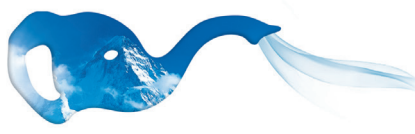
Weltem High Capacity Air Conditioner With dehumidifying function is able to solve the problems such as corrosion, decay, odor caused by humidity to match the production line, warehouse, new building, gym, etc.

650L/1day



WPD-65000	
Power Supply (Hertz, Phase, Volts)	50Hz, 3Phase, 380V
Current Consumption (Amps)	32.8A
Power Consumption(kW)	21.6kW
Operating Capacity per day (L/day)	650L/1day
Refrigerant	R-410A
Evaporating Air Capacity	160m³/min
Weight (lb)	1,200kg (2645.5 lb)
Size (WxDxH) mm (inch)	1840×900×1720mm (72.4×35.4×67.7inch)

● Specifications can be changed without prior notice.



The applications of I-CEN

Keep pleasant environment **all the time**



Food storage



Warehouse



Printing museum



Printing factory for newspaper



Library



Depot

The **best solution** to prevent humidity related problems



Heat Pump

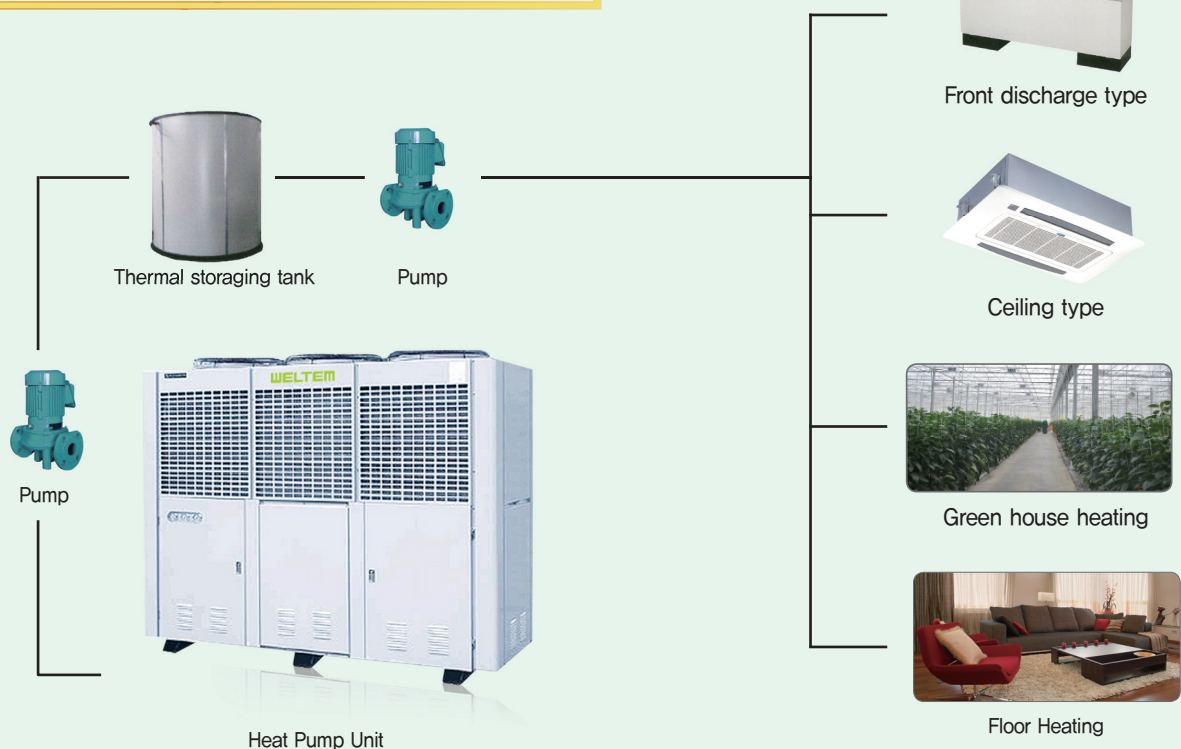
What is Air to water heat pump?

This is high technology that enables both cooling and heating using only 1 system. When heating it absorbs necessary heat from outside air and when cooling it exhausts heat from the condensed heat to outside without cooling tower.

Technical features

- Simple and installation area is not very limited because it doesn't have exhaust heat return facility
- Easy installation as outdoor unit is inside of the unit
- Heating is available for winter season as well as cooling in summer season.
Heat storing tank enables to store hot water.
- Environment friendly R-410A, R-407 refrigerant

Ice thermal storage system



42.5kW
/34kW

This system provides **heating** as well as **cooling** using outside air temperature



Model		WHW-100	WHW-200	WHW-500
Capacity (Heating/Cooling)		33.6kW/28kW	64.5kW/53.7kW	182.3kW/138.3kW
Power (Heating/Cooling)		11.1kW/10.6kW	20.9kW/19.9kW	50.9kW/48.5kW
Current (Heating/Cooling)		16.9A/16.1A	31.8A/30A	77.3A/73.7A
POWER	Main Power	3P4W, 380V, 50Hz		
	Control Power	1P, 230V, 50Hz		
CMMPRESSOR	Type	Scroll	Scroll	SCREW
	Refrigerant	R-410A	R-410A	R-407
Type		FIN & TUBE	FIN & TUBE	FIN & TUBE
Water	Type	Brazing Plate Heat Exchanger		
	Connection	32A	50A	65A
	Flow Rate	90 lpm	170 lpm	450 lpm
DIMENSION(LxWxH)mm (inch)		2200x1090x1985 (86.6x42.9x78.1)	2650x1120x2278 (104.3x44.1x89.7)	2900x2150x2265 (114.2x84.6x89.2)
WEIGHT		680kg (1499 lb)	1,000kg (2204 lb)	1,800kg (3968 lb)
CONTROL PANEL	Unit Control	PLC	PLC	PLC
	Display	7" touch monitor	7" touch monitor	7" touch monitor
	Communication	RS485	RS485	RS485
Rated heating capacity : Load side outlet temperature 45°C, Ambient 7°C				
Rated cooling capacity : Load side outlet temperature 7°C, Ambient 35°C				

● Specifications can be changed without prior notice.



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Far Infrared Heater

The finest quality
Enjoy the greatest value

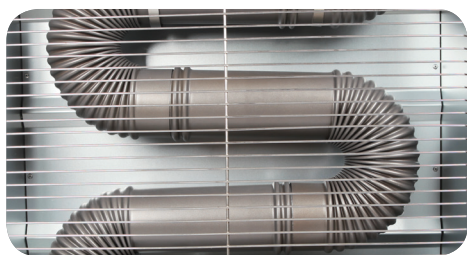
*Ceramic-far infrared radiation
increasing heating efficiency*



◆ Product features

Unique device equipped to remove smell from non flammable gas
Perfect combustion thanks to high efficiency burner
Increased far infrared radiation thanks to sophisticated coating
Technology on the combustion tube

◆ Detailed explanation



Wider combustion tube

20% cost saving on fuel consumption and increased far infrared radiation thanks to special coating.



Intuitive LED buttons

User-friendly LED display is adopted



Odor removal filter

Smell from oil is minimized through recovery system when the unit is not operated



Safety system

Safer to use by adopting 12 safety technologies



Model Name Description	WHO-070	WHO-095	WHO-115	WHO-135	WHO-155	WHO-175	WHO-205
Type of fuel	Kerosene / Diesel						
Fuel consumption(ℓ /h)	0.72	1.0	1.1	1.4	1.52	1.77	1.9
Heating capacity (BTU)	27,700	35,700	43,600	51,500	59,500	67,400	79,300
Heating area (m ²)	46.4~60.3	59.6~77.5	72.9~94.7	86.1~111.9	99.3~129.1	112.6~146.4	132.5~172.3
Power supply	AC 220V/240V 50Hz						
Power consumption (W) (Running)	40	40	40	40	40	60	60
Oil tank capacity (ℓ)	24	30	30	45	45	45	45
Weight	39kg	40kg		58kg		63kg	
Dimension (W×D×H)mm	770×320×870	973 X 320 X 979		1305 X 320 X 988		1305 X 320 X 1158	

※ Specifications can be changed without prior notice for product improvement



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Far infrared fan heater

Far infrared fan heater **blows warm air**
making users and their place pleasant



◆ Product features

Heating efficiency is highly improved

Heating area is maximized

The combination of sleek design and high quality

Two sides are available for exhaust outlet depending on use's demand

◆ Detailed explanation



Oil tank is placed inside the unit and additional oil tank is available

Because of additional oil tank, users do not have to fill the fuel frequently



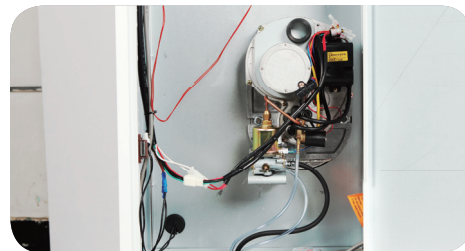
Two directions are given for exhaust outlet

Users have two choices for exhaust outlet direction, which hasn't been offered by any products



Intuitive LED buttons

User-friendly LED display is adopted



Excellent heating performance

Improved heating performance by adopting highly efficient burner

59,500
BTU



79,300
BTU



99,200
BTU



Description	Model Name	WFHO-150	WFHO-200	WFHO-250
Type of fuel	Kerosene / Diesel			
Fuel consumption (ℓ /h)		1.52	2.2	2.35
Heating capacity (BTU)		59,500	79,300	99,200
Heating area (m ²)		99.3~129.1	132.5~172.3	165.6~215.3
Power supply	AC 220V/240V 50Hz			
Power consumption (W) (Including fan power consumption)		468	482	275
Oil tank capacity (ℓ)		50	50	90
Weight		104.4kg		120.1kg
Dimension (W X D X H)		800x430x1772 mm		970x430x1804 mm

※ Specifications can be changed without prior notice for product improvement



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Carbon fiber electric heater

The value of masterpiece doesn't change all the time

Heating element made of carbon fiber with 99.9% purity maintains its heating performance for a long time



◆ Product features

Semi-permanent lifespan combined with carbon fiber material

Less electric consumption compared to other electric heaters

Far infrared radiation that is healthy to human beings

◆ Detailed explanation



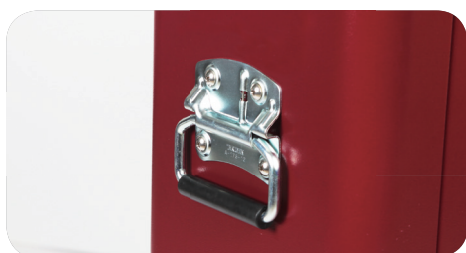
Heating element made of carbon fiber bar

By reducing time to reach set temperature, customers save on electricity cost



Controller

Intuitive controller that enables users to set function



Metal handles

Two metal handles are attached for users to carry easily



Durable castors

Easy to move with four durable castors that can be fixed and designed to prevent falling.

16,400
BTU



35,000
BTU



	WHE-50	WHE-100	
Power supply	1 Ø 230V	3Ø 380V	3Ø 480V
Heating capacity	16,400 BTU	35,000 BTU	35,000 BTU
Power consumption	4.8 kW/h	10.2 kW/h	10.2 kW/h
Heating area	31.8 ~ 41.3 m ²	67.6 ~ 87.9 m ²	67.6 ~ 87.9 m ²
Weight	29.1Kg	49.5 Kg	49.5 Kg
Rated current	20.9A	15.5A	14.2A
Dimension(WDH)	681x250x856 mm	681x250x1362 mm	

※ Specifications can be changed without prior notice for product improvement



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Electric blower heater

We make things differently so we make things better
Improved heating efficiency through high performance fan



◆ Product features

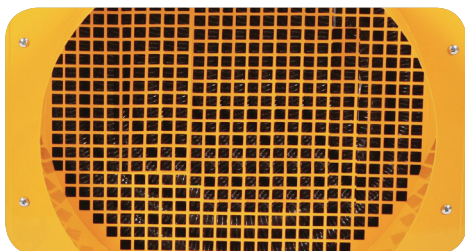
Convenient to carry through four castors and two metal handles attached

Automatic temperature control

Temperature control system and safety system to prevent overheating

High performance fan maximizes its heating efficiency

◆ Detailed explanation



Improved heating efficiency

By reducing time to reach set temperature, **users save on electricity cost**



Easy Operating

User Interface Control Panel



Convenience

Two metal handles are attached for users to carry easily



Top safety

Overheating prevention system and temperature sensors assure user's safety

35,000
BTU



68,110
BTU



102,170
BTU



Description	Model Name	WFHE-10	WFHE-20	WFHE-30
Power supply		1Ø 240V / 3Ø 380V / 3Ø 415V	3Ø 380V / 3Ø 415V	3Ø 380V / 3Ø 415V
Heating capacity (BTU)		35,000	68,110	102,170
Power consumption (kW/h)		10.2	19.9	29.8
Heating area (m ²)		56.4~73.3	112.8~146.6	169.2~219.9
Rated current (A)		42.8/15.6/14.3	30.2/27.7	45.3/41.5
Weight		26.9Kg	39.1Kg	51.3Kg
Dimension (W×D×H) Including castors		392.5×571×564 mm	422.5×621×584 mm	472.5×671×624 mm

※ Specifications can be changed without prior notice for product improvement



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Typical Use

Hospitals · Laboratories · Emergency cooling · Multiple factory offices · Process cooling · Vessels
Computer-server rooms · Commercial Kitchens · Multiworkstations · Disaster relief · Sports rooms
Special events-marquee cooling · Temporary office-lobby cooling · Equipment spot cooling

WELTEM

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