SIDE-MOUNTED DC INVERTER
HEAT PUMP ERV

RATED AIRFLOW: 400–1,100 CMH

COP >6

ErP 2018 COMPLIANT

Wi Fi

Powered By zigbee

- ☑ *Easy duct connection*
- ☑ *450mm wide — fits narrow spaces easily (AV-HTPW40)*
- ☑ *Floor/side mount, no overhead work*

Suitable for
50~750 m² rooms
for fresh air
preheating/cooling



Purification

Fresh Air
Energy Recovery

Cooling/ Heating

Dehumidification

FEATURES

- Hexagonal Counterflow Enthalpy Exchanger — Up to 90% temperature efficiency for superior energy recovery.
- EC Fan - 10-spead, energy-efficient and silent operation. 5 operation modes.
- DC Inverter Compressor — Stable performance, wide frequency modulation, energy-saving.
- Intelligent Bypass Damper — Motorized actuator, auto-open for 100% fresh air mode.
- Real-Time Air Quality — Compatible with CO_2, humidity, TVOC & PM2.5 sensors.
- User-Friendly Controller — Touchscreen wired controller and WIFI control, intuitive operation.
- Side Horizontal Duct Connection — Direct duct connection, minimal bends, low pressure loss.
- Wide Climate Range — Reliable operation from -15°C to +50°C.

CONTROL & FUNCTIONS

- 10-speed control
- Auto bypass
- Temperature control
- Humidity control
- Defrosting
- Filter replacement alarm
- Fault alarm
- RS485 connector
- Auto restart
- Weekly timer
- Scenario control
- Group control
- Multiple linkage control
- Optional CO_2 control
- Multiple signal connectors
- Smart control according to local weather
- Work with Alexa and Google Assistant



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TECHNICAL SPECIFICATIONS

Model			AV-HTPW40	AV-HTPW110
Rated Airflow		CMH	400	1100
Exhaust Airflow (Ventilation Mode)		CMH	400	1100
Exhaust Airflow (Heating/Cooling Mode)		CMH	400	1100
External Static Pressure		Pa	100	100
Ventilation Mode	Temperature Efficiency (Heating)	%	77	78
	Temperature Efficiency (Cooling)	%	71	74
	Enthalpy Efficiency (Heating)	%	75	71
	Enthalpy Efficiency (Cooling)	%	65	68
	Input Power	W	185	751
	Input Current	A	1.67	3.75
Cooling/Heating	Nominal Cooling Capacity	W	3673	9075
	Max Cooling Capacity	W	3905	9387
	Input Power (Cooling)	W	850	1352
	Operation Current (Cooling)	A	4.61	6.1
	Nominal Heating Capacity	W	3960	8837
	Max Heating Capacity	W	4210	9079
	Input Power (Heating)	W	730	1311
	Operation Current (Heating)	A	4.04	5.87
Noise		dB(A)	37/42	42/47
Power			220V 1Ph 50/60Hz	220V 1Ph 50/60Hz
Dimension		mm	1300×450×865	1510×650×965
Weight		Kg	130	200
Air Inlet/Outlet Diameter		mm	195	245
Air Inlet/Outlet Height		mm	40	40
Machine Base Height		mm	40	40
Drainage Pipe			G1/2 21mm	G1/2 21mm
Refrigerant			R32	R32
Refrigerant Charge		g	320	610

AIRWOODS

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