

ACWH18 Air Conditioner Water Heater



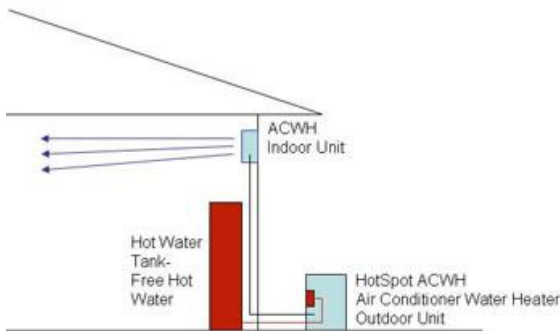
**HIGH EFFICIENCY AIR CONDITIONER with
INTEGRATED HEAT RECOVERY - PRODUCES FREE HOT WATER**

HotSpot ACWH18 Air Conditioner Water Heater

- 1.5 Ton Air Conditioner
- 100 Gallons Free Hot Water Per Day
- Recycles Waste Heat Energy
- Pays For Itself Quickly
- Simple Installation
- EnergyStar & Tax Credits
- High Efficiency SEER 18
- Panasonic DC Inverter Compressor



The ACWH18 is a triple-function AC unit that provides indoor cooling or heating while at the same time making ~100 gallons of free hot water per day without any additional electrical consumption. The ACWH18 is produced by HotSpot Energy LLC, a leading developer and manufacturer of refrigerant waste heat recovery water heating systems.



- 18,000 BTU Air Conditioner Heat Pump
- Standard Cooling & Heating Functions
- 100 Gallons Per Day Free Hot Water
- Connect to Any Hot Water Tank
- Highly Efficient (SEER 18)
- Ductless Mini-Split Design
- DC Inverter Technology
- Dehumidification Function
- Circulation Function
- Digital Multifunction Infrared Remote Control
- LCD Display (indoor unit)
- Defrosting Function
- Clock Mode
- Digital 24 Hour Timer
- Sleep Mode
- Automatic 3 Dimensional Dual Louver Air Flow
- Remote Adjusted Double Louvers
- Swing Double Louver Function
- Auto Re-Start Function
- 3 Fan Speed Selection
- Multi-Fold Evaporator for Faster Cooling
- Quiet Operation

This high efficiency system uses a state of the art DC Inverter compressor made by Panasonic, which allows the ACWH18 to dynamically adjust its capacity, in real time, to match conditions. Unlike a standard air conditioner where the compressor is either off or running at full speed, the ACWH compressor operates at precisely the best speed based on current temperature conditions.



ACWH18

Air Conditioner Water Heater



Model Number	ACWH18
Style	Ductless Mini Split AC With Hot Water
Compressor	Panasonic DC Inverter Compressor
Refrigerant	R410 A (Pre-Charged)
Cooling Capacity	18,000 BTU
Heating Capacity	18,800 BTU
Water Heating Capacity	100 gallons per day 65,000 BTU per day
Hot Water Temperature	Default Limit 158 °F
Freeze Protection	Optional (adds -FP to model number)
Water High Limit 140 °F	Optional (adds -HL to model number)
Air Flow	720 m3/h
Power Supply	230 V / 60 Hz
Input Power, Max	1333W (cooling) / 1633W (heating)
Input Current, Max	6.37A (cooling) / 7.8A (heating)
SEER	17.9
HSPF	8.9
Sound Level	48dB-high 39dB-low (indoor) 58dB (outdoor)
Moisture Removal	1.79L/hr
Max Operating Temperature	122 °F / 50 °C (cooling)
Min Operating Temperature	14 °F / -10 °C (heating)
Control System	Digital multifunction infrared remote control with digital LED display
Water Heater Controls	UL, Fully automatic
Hot Water Circuit	UL, NSF, all-copper, double-wall, vented
Hot Water Pump	UL, NSF
Net Weight	26 lbs (indoor) 136 lbs (outdoor)
Dimensions	35 X 12 X 9 in (indoor unit) 34 X 26 X 12 in (outdoor unit)
Max. Water Line Length	100 ft. from water tank to outdoor unit
Refrigerant Line Set	12.5 feet, optional extension to 50 ft.
Warranty	10 years on heat exchanger, 1 year on parts / 5 Years on compressor

Energy Efficiency Ratio (EER)

$$EER = E_c / P_a$$

EER = energy efficient ratio (Btu/Wh)
 E_c = net capacity (Btu/h)
 P_a = applied electrical power (Watts)

This unit has 2 EER ratings.

When Water Heating Circuit Is Active
EER= 16.89

When Water Heating Circuit Is Not Active
EER= 13.51

Coefficient Of Performance (COP)

$$COP = E_u / E_a \text{ (w/w)}$$

COP = coefficient of performance
 E_u = useful energy acquired
 E_a = energy applied

This unit has 2 COP ratings.

When Water Heating Circuit Is Active
COP= 4.95

When Water Heating Circuit Is Not Active
COP= 3.96



Authorized Distributor:

www.hotspotenergy.com