OVER A CENTURY OF INNOVATION

A. O. Smith enjoys a rich history of achievements. A glimpse at our 143 year history reveals numerous engineering and technical achievements.

1874

The Smith family started a small Mechanical shop in Milwaukee, North America.

1889

The company enters the bicycle industry.

1906

A. O. Smith was North America's largest automobile frame manufacturer.

1927

A. O. Smith was a leading supplier of line pipe.

1936

A. O. Smith patents the glass-lined water heater.

1954

Water heater division introduces the first glass-lined commercial water heater, the A. O. Smith Burkay ® B-65.

1995

Reach into Asian Market by entering into two join-ventures in China.

2010

State-of-the-art plant set-up in Harohalli, Bengaluru in 2010.

World's No. 1

Manufacturer of Water Heaters

Registered Office

A. O. Smith India Water Products Private Limited

(formerly known as A. O. Smith India Water Heating Private Limited)

Plot No. 300, Phase-2, KIADB Industrial Area, Harohalli, Kanakapura Taluk, Ramanagara District - 562 112, Karnataka, India.

Customer Care No. 1800-103-2468/1860-500-2468 ■ Website: www.aosmithindia.com

CIN: U31909KA2006PTC040282

A. O. Smith

Innovation has a name.

CAHP

Air to Water Heat Pump

Storage Capacity - 300 & 455 litres

THE HIGH EFFICIENCY REVOLUTION IS HERE!

CAHP

The CAHP heat pump water heater is an integrated system that utilises the heat pump technology to provide efficient way to heat water with electricity. CAHP pulls heat from surrounding air and deposits the heat into the tank. The end result is hot water with cooler and dehumidified air as a welcome by-product.

FEATURES:

ENERGY SAVING & ENVIRONMENT FRIENDLY

- Absorbs Environment heat and transfers it to the water, at the same time cooling and dehumidifying the ambient air.
- "Environmental-friendly" R-134a refrigerant.
- Multiple operating modes maximise efficiency & meet increasing hot water needs.
- High capacity storage tank enables heat pump to operate more frequently than the heating elements. This provides higher efficiency & cover operating costs, saving money for the home owner.

ALL ROUND SAFETY

- Triple protection - Thermostat, High temperature limit and T&P relief valve.
- Refrigerant and water are completely separated, condenser uses rectangular steel tubes.
- Water can be heated upto 65°C on heat pump mode, which prevents breeding of Legionella bacteria.
- Compressor overheating protection
- High and low voltage protection
- Refrigerant leakage protection

SMART & CONVENIENT

LED remote

- Large LED touch pad display
- Intuitive icons clearly indicate the current operating mode
- Three line display communicates current status and displays error messages in plain English when applicable.
- Safety lock
- Individual back lit buttons for mode selection

COMMERCIAL-GRADE GLASS TANK LINING

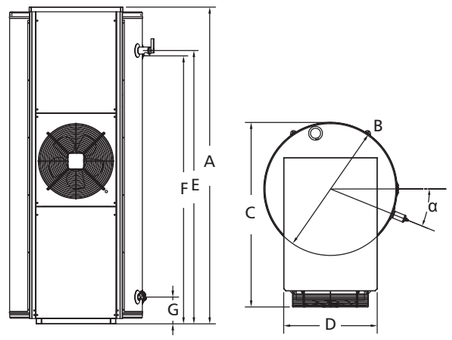
A. O. Smith's Blue Diamond® glass coating is a patented commercial-grade formula that provides superior tank protection and corrosion resistance compared to the industry standard glass lining. Blue Diamond® glass coating blend is formulated in the same lab that creates the protection for our industry- leading commercial product line. Through our long history, we've learned that one size rarely fits all. That's why we customize our signature formula to best meet the needs of every water heater we produce, ensuring long life no matter which A. O. Smith model you choose.

CAHP

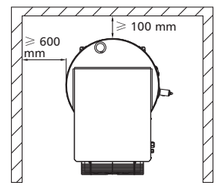
TECHNICAL SPECIFICATIONS - CAHP 1.5DI - 80/120

Model			CAHP1.5DI-80-6	CAHP1.5D-120-6	CAHP1.5D-120-12
Model Type		/	Outdoor integrated heat pump water heater		
HP Rated Power		W	875		
HP Rated heating capacity		W	3680		
COP		W/W	4.20		
Electrical Heating Capacity		W	6000	6000	12000
Maximum Operation Current	400V / 3N / 50Hz	A	/	/	37.5
	230V / 1N / 50Hz	A	38.7	38.7	71.9
Refrigerant		/	R134a		
Refrigerant charge quantity		g	940		
Tank capacity		L	300	455	455
Net Weight		Kg	161	194	194
Operation Weight		Kg	461	649	649
Water Temp in efficiency mode		℃	65		
Operation Temperature Range		℃	37~75		
Ambient Temperature for HP		℃	-7~43		
Ambient Temperature for Unit		℃	-15~50		
Unit Operation Noise		dB (A)	54		
Air Outlet Noise		dB (A)	58		
Demison (LxWxH) mm		mm	910x610x1700	1012x713x1700	1012x713x1700
Anode		/	Aluminum Rod		
Control Mode		/	Led wire Display (Standard 10m, Optional Maxium 30 m)		
Operation Mode		/	Efficiency, High Demand, Standard		
Other Control Functions		/	Timer, Fault Alarming, Water pump controlling, AES HP		
Power Supply Specifications		/	230V~50Hz	230V~50Hz	400V 3N~50Hz
Connection Size ~ Inlet / Outlet / T&P Valve		/	NPT 3/4 (Female Thread)		

EXTERNAL DIMENSIONS



INSTALLATION DIAGRAM



- During installation, the minimum distance between the air outlet and the barrier should be 800mm
- The heat pump electric water heater should be placed on a refractory base that is over 100mm of height
- If installed in a confined space, the indoor space should not be less than 26m³

EXTERNAL DIMENSIONS

Model	Total height A (mm)	Tank diameter B (mm)	Maximum depth C (mm)	Width from the gate D (mm)	safety valve Interface height E (mm)	Water inlet height G (mm)
CAHP-80	1700	610	910	503	1440	145
CAHP-120	1700	713	1012	503	1467	144