

Applications

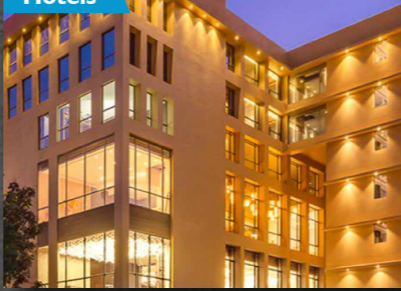
Residential Apartments



Hospitals



Hotels



Educational Institutions



Workspaces



Resorts/Villas



India's widest range of Heat Pumps.



AC Smith
Innovation has a name.

Our Heat Pumps Think!
Discover the Intelligent Adaptive Technology.



AES
INTELLIGENT
ADAPTIVE
TECHNOLOGY

CAHP-1.5HP DI

Air to Water Heat Pump

Storage Capacity - 300 & 455 litres

World's No.1
Water Heater
manufacturer

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

CAHP-1.5HP

Presenting the CAHP 1.5HP DI Model - Smartly designed to give a premium hot water bathing experience with the new age heat pump technology. It is designed to be suitable for Hotels, Resorts and Villas. With the pathbreaking technology, that pulls heat from the environment, it is no surprise that our heat pumps reduce the water heating costs significantly, reducing greenhouse emissions, thus contributing to a greener world.

Smarter way to heat water

- ▶ **AES Technology** – Intelligent Adaptive Energy Saving technology analyses the water usage patterns to automatically heat up the water and optimize energy consumption
- ▶ **Wired Digital Control** – Smarter way to control heating
- ▶ **Smart Modes** – Enables you to customize as per your need. Three modes - Efficiency, Hybrid and Electric



Sensitive to the environment

- ▶ **Heating that saves energy** – Reduced energy consumption Up to 70% by extracting heat from the atmosphere to heat up the water
- ▶ **R134a Green Refrigerant** – Controls the greenhouse gas emission, thus contributing to a greener world

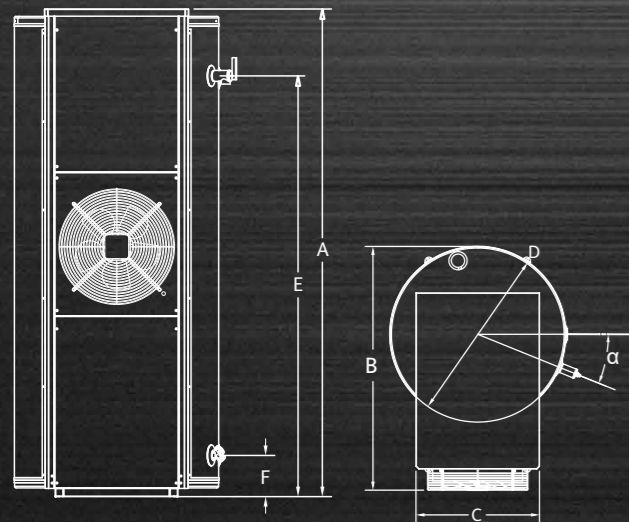


Absolutely safe for you

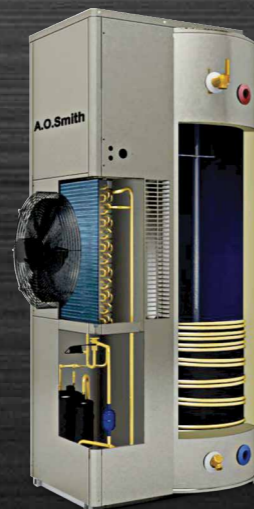
- ▶ **7 Safety Protection**
 - High and Low voltage protection
 - High temperature limit protection switch (Eco switch)
 - High water temperature protection (Temperature sensor)
 - Refrigerant leakage protection
 - Compressor overheating discharge protection
 - Abnormal operation Protection (Relay and Electronic expansion valve)
 - Temperature and pressure relief valve



Dimensions



X-Ray view



Digital Remote



CAHP-1.5HP

Technical Specification

MODEL		CAHPI-5DI-80-6	CAHPI-5D-120-6	CAHPI-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	12000	
Maximum Operation	400V / 3N / 50Hz	A	/	37.5
Current	230V / 1N / 50Hz	A	38.7	71.9
Hot Water Delivering Rate ($\Delta T=30^{\circ}\text{C}$)	Efficiency	L/h	105	
	High Demand	L/h	277	449
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	$^{\circ}\text{C}$	65		
Operation Temperature Range	$^{\circ}\text{C}$	37~75		
Ambient Temperature for HP	$^{\circ}\text{C}$	7~43		
Unit Operation Noise	dB (A)	54		
Air Outlet Noise	dB (A)	58		
Dimensions (LxWxH) mm	mm	910x610x1700	1012x713x1700	1012x713x1700
Anode	/	Aluminum Rod		
Control Mode	/	Led wire Display (Standard 10m, Optional Maxium 20 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	230 400V 3N~50Hz
Connection Size ~ Inlet / Outlet / T&P Valve	/	NPT 3/4 (Female Thread)		
Drain Valve	/	NPT 3/4 (Female Thread)		
EXTERNAL DIMENSIONS				
Total height A (mm)	/	1700	1700	
Tank diameter B ((mm)	/	610	713	
Maximum depth C (mm)	/	910	1012	
Width from the gate D (mm)	/	503	503	
Safety valve Interface height E (mm)	/	1440	1467	
Water inlet height F (mm)	/	145	144	