

Applications



Hospitality



Hospitals



Industrial/Commercial



Educational Institutions



Workspaces



Resorts

Service Excellence

A. O. Smith comes with the assurance of the highest quality of service. We have a vast network to cater to varying industries, ranging from Hotels, Hospitals, Manufacturing units, Airports and High-end villas across the country.

Our 4-step Service Support Approach



1/ Sizing and Selection,
we consult our clients and
provide technical support



**2/ Training Support for
Channel Partners** by
A. O. Smith experts



**3/ Regional Service
Team** are dedicated
for each zone



**4/ Central Service Team at
HO** supports with training
& technical queries

All service cases are monitored by the regional sales team as well, thus ensuring the most cogent and beneficial after-sales support resulting in highest level of clientele satisfaction.

Introducing

Commercial Hot Water Storage Tanks

ST 1000: 1000L Capacity
ST 2000: 2000L Capacity



Our Heat Pumps Think!



CAHP - 5HP & 10HP

Air to Water Heat Pump

Registered Office

A. O. Smith India Water Products Private Limited

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

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

CIN: U31909KA2006PTC040282

CAHP 5HP & 10HP

Presenting the CAHP 5HP & 10HP Series - Smartly designed tankless unit to give a premium hot water bathing experience with the new age heat pump technology. It is designed to be suitable for Workplace, Industrial units, and Educational Institutions. 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.

A. O. Smith Advantage

Smarter way to heat water

- ▶ **Central Controller** – 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
- ▶ **COP**- Coefficient of performance is up to 4 enabling efficient heating
- ▶ **R134a Green Refrigerant** – Controls the greenhouse gas emission, thus contributing to a greener world

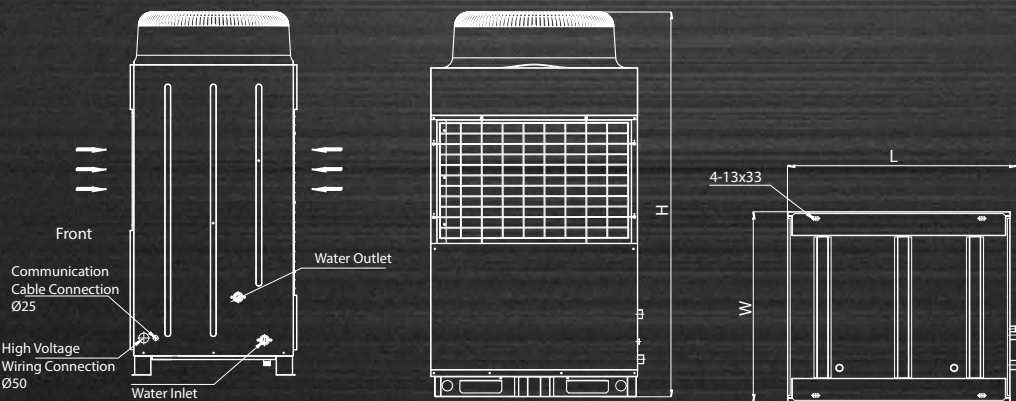


Absolutely safe for you

- ▶ **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



Central Controller



CAHP 5HP & 10HP

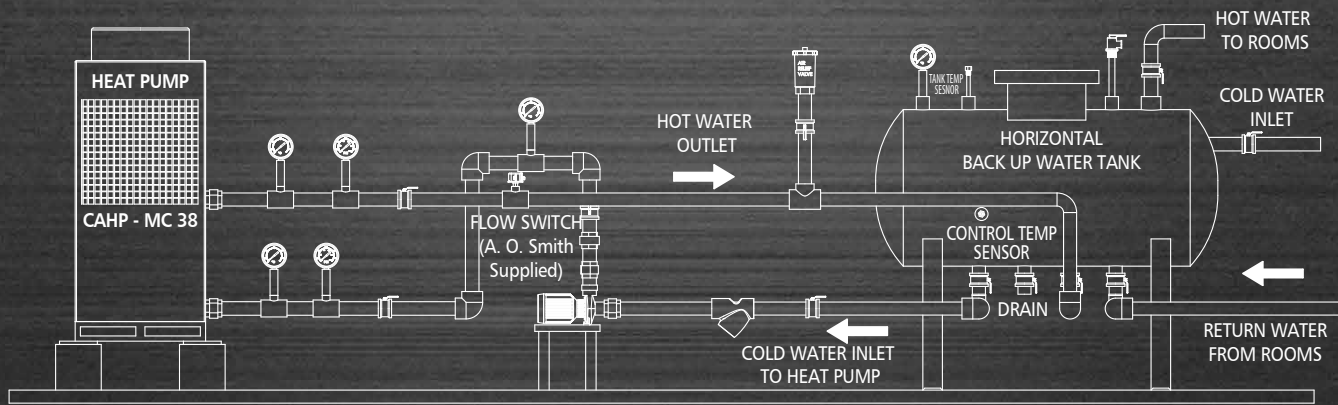
Technical Specification

MODEL	CAHP-MC-38 (10HP)	CAHP-MC-19 (5HP)
Power Supply	380V 3N ~ 50Hz	380V 3N ~ 50Hz
Voltage Range	380V +/- 10%	380V +/- 10%
Rated Heating Capacity(1)	38 kW	19.8 kW
Rated Water Flow(1)	6.5 CMH	3.4 CMH
Rated Power Input (1)	10.3 kW	6.02 kW
Rated Operation Current(1)	18.6 A	11.0A
Maximum Power Input	13.2 kW	6.8 kW
Maximum Operation Current	23.3 A	11.7 A
Operation Noise (2)	65 dB(A)	60 dB(A)
Refrigerant / Quantity	R410a / 6.2kg	R410a / 2.8kg
Refrigerant Side High Side	4.2 Mpa	4.4 Mpa
Design Pressure Low Side	3.1 Mpa	3.1 Mpa
Water Side Design Pressure	1.0 Mpa	1.0 Mpa
Water Side Pressure Drop (3)	45 kPa	73 kPa
Water Connection Size	DN40 (RI 1/2")	DN32 (RI 1/4")
Waterproof Class	IPX4	IPX4
Net Weight	287 kg	170 kg
Dimensions (L x W x H)	1020 x 846 x 1840 mm	719 x 761 x 1160 mm

Note:

- (1) Rated condition: Ambient temperature 20/15°C (dry/wet bulb), water temperature 47/52°C (inlet/outlet).
(2) Sound pressure value at one meter. | (3) Measured at the rated water flow.

Schematic Drawing



Storage tank: Minimum 2000 & 4000 litre for 5HP & 10HP respectively
Circulation pump flow rate: 3500 LPH & 6500 LPH for 5HP & 10HP respectively
Recommended water hardness: Less than 300 ppm