airzen

Eco-Friendly Products for Nature



ISO 9001:2015 Quality Management System Certified

MAKE IN INDIA Proudly Made in India

24/7 HOT WATER AVAILABILITY

ELECTRICITY SAVING Energy Efficient Technology

CO_2 REDUCTION Lower Emissions, Greener Tomorrow

AIRZEN TECHNOLOGIES

HEAT PUMP WATER HEATER

SMART - EFFICIENT - SUSTAINABLE

Advanced Technology for Greener Tomorrow



COMMERCIAL HEAT PUMP WATER HEATER



MONOBLOCK HEAT PUMP WATER HEATER



DOMESTIC HEAT PUMP WATER HEATER



INDUSTRIAL FOOD DEHYDRATOR



SWIMMING POOL WATER HEATER



WATER SOFTENER



INDUSTRIAL WATER HEATER



PRESSURE BOOSTER PUMP

- HOT WATER ALL YEAR ROUND
- ENERGY SAVING
- RELIABLE PERFORMANCE
- ECO-FRIENDLY SOLUTION

792, 7th Cross, Mallasandra, Near Lakshmi Janardhana Bakery, T. Dasarahalli, Bengaluru-560 057.

+91 9036442267 / +91 9036864442

info@airzentechnologies.in

www.airzentechnologies.in

ABOUT AIRZEN TECHNOLOGIES

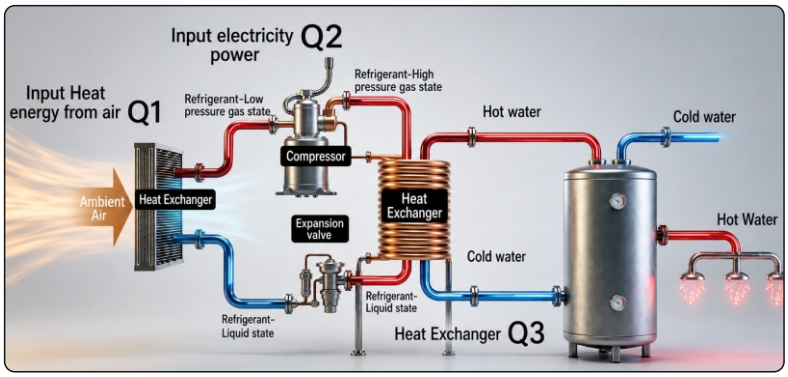
airzen
Eco-Friendly Products for Nature

Airzen Technologies is an India-based professional manufacturer of air-source heat pump systems, delivering energy-efficient water heating solutions for residential and commercial & Industrial applications. Leveraging advanced thermal engineering and renewable energy technology, our heat pumps extract free heat from ambient air and transfer it efficiently to heat water—reducing energy consumption by up to 80% compared to conventional systems.

Designed for reliable performance across all climates, Airzen heat pumps ensure uninterrupted hot water supply year-round. Through continuous innovation, global technology partnerships, and uncompromising quality standards, we deliver sustainable solutions that make comfort smarter, cleaner, and more economical.

PRODUCT AND TECHNOLOGY FEATURES

How does Airzen Heat Pump work ?



Q1+ Q2 = Q3

The heat pump is an energy moving device, The refrigerant absorbs the heat energy from ambient air Q1
The compressor uses electricity to compress the refrigerant into the high temperature and pressure Q2
The compressed refrigerant pass through the heat exchanger and transmits heat energy to the surrounding water in the heat exchanger Q3

KEY BENEFITS

75% ELECTRICITY SAVING
Consumes up to 75% less electricity compared to traditional heaters.

24/7 HOT WATER
Enjoy hot water anytime, all year round in every season.

ECO-FRIENDLY SOLUTION
Uses renewable air energy. Reduces carbon footprint and protects the environment.

RELIABLE & DURABLE
Built with premium components for long lasting performance.

LOW MAINTENANCE
Minimal maintenance required for hassle-free operation.

WORKS IN ALL WEATHER
Efficient performance even in extreme summer, winter and monsoon.

IDEAL FOR

- Apartments & Societies
- Villas & Independent Homes
- Hotels, Hotels & Resorts
- Hospitals & Clinics
- Industries & Factories

WHY CHOOSE AIRZEN?

- Advanced Technology
- Trusted Quality
- Expert Support
- Energy Efficient
- Sustainable Future

INSTALLATION GALLERY



SPLIT HEAT PUMP - DOMASTIC MODEL

airzen
Eco-Friendly Products for Nature

Technical Specification



Model/Specifications		AHP-100/WST/1H	AHP-200/WST/1H	AHP-250/WST/1H	AHP-350/WST/1H
Model type	-	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater
Heat pump Capacity	LPH	100	200	250	350
Suitable ambient Temp range	˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C
Rated Heating capacity	kW	4	8	10.5	14.5
Rated input power	kW	0.97	1.94	2.44	3.42
Max input power	kW	1.0	2.0	2.5	3.5
Rated Current	A	4.5	6.8	8.6	12.2
Max current	A	5.9	8.1	11.2	14.1
Max testing temperature	˚C	60	60	60	60
Max Operating Temperature	˚C	55	55	55	55
COP		4.12	4.12	4.09	4.09
Power supply	-	230 V / 1 Ph / 50 Hz	230 V / 1 Ph / 50 Hz	230 V / 1 Ph / 50 Hz	230 V / 1 Ph / 50 Hz
Refrigerant type	-	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C
compressor type	-	Rotary type	Rotary type	Rotary type	Rotary type
Heat Exchanger	-	Shell and tube	Shell and tube	Shell and tube	Shell and tube
Evaporator coil	-	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins
Inlet water pressure	MPa	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
Controller	-	Airzen make	Airzen make	Airzen make	Airzen make
Water Inlet / Outlet size	Inch	3/4" NPT male	3/4" NPT male	3/4" NPT male	3/4" NPT female
Noise	dB	≤ 58	≤ 58	≤ 58	≤ 58
Body size(W x D x H)	mm	440 x 1020 x 615	440 x 1220 x 615	490 x 1220 x 615	510 x 1220 x 615
Net Weight / Gross Weight	Kg	53/58	55/60	59/64	65/71

Condition : Heat pump capacity(LPH) considered @dry bulb temp 28˚C

SPLIT HEAT PUMP - COMMERCIAL MODEL



Technical Specification

Model/Specifications		AHP-250/WST/1H	AHP-350/WST/1H	AHP-450/WST/1H	AHP-550/WST/1H	AHP-700/WST/1H	AHP-1100/WST/1H
Model type	-	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater	Air to Water Heat Pump Water heater
Heat pump Capacity	LPH	250	350	450	550	700	1100
Suitable ambient Temp range	˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C	-5˚C ~ +43˚C
Rated Heating capacity	kW	10.5	14.5	17.5	22	28	44
Rated input power	kW	2.44	3.42	4.35	5.42	6.87	10.75
Max input power	kW	2.5	3.5	4.5	5.5	7	11
Rated Current	A	5.9	6.3	6.8	9	12.6	17.6
Max current	A	8	12.2	14.3	14.8	16.7	23.8
Max testing temperature	˚C	60	60	60	60	60	60
Max Operating Temperature	˚C	55	55	55	55	55	55
COP		4.09	4.09	3.90	4.05	4.07	4.09
Power supply	-	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz
Refrigerant type	-	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C
compressor type	-	Scroll /Hermetic	Scroll	Scroll	Scroll	Scroll	Scroll
Heat Exchanger	-	co axial Tube in tube / Shell and tube	co axial Tube in tube / Shell and tube	co axial Tube in tube	co axial Tube in tube	co axial Tube in tube	co axial Tube in tube
Evaporator coil	-	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins	copper tube with Alluminium hydrophilic fins
Inlet water pressure	MPa	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
Controller	-	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make
Water Inlet / Outlet size	Inch	3/4" NPT female	3/4" NPT female	1" NPT female	1" NPT female	1" NPT female	1 1/2" NPT female
Noise	dB	≤ 58	≤ 58	≤ 60	≤ 60	≤ 62	≤ 62
Body size(W x D x H)	mm	638 x 650 x 690	658 x 680 x 738	763 x 767 x 968	763 x 767 x 968	833 x 827 x 998	1600 x 767 x 1050
Net Weight / Gross Weight	Kg	112 / 125	128 / 146	136 / 154	150 / 175	170 / 190	280 / 300

Condition : Heat pump capacity(LPH) considered @dry bulb temp 28˚C

SWIMMING POOL HEAT PUMP WATER HEATER

airzen
Eco-Friendly Products for Nature

Technical Specification



Model/Specifications	ASHP-15/3P	ASHP-25/3P	ASHP-45/3P	ASHP-54/3P	ASHP-108/3P
Model type	Swimming Pool Air to Water Heat Pump Water	Swimming Pool Air to Water Heat Pump Water	Swimming Pool Air to Water Heat Pump Water	Swimming Pool Air to Water Heat Pump Water	Swimming Pool Air to Water Heat Pump Water
Rated Heating capacity (kW)	18	27	45	54	108
Rated input power (kW)	3.2	5.42	9	11.5	22.6
Max input power (kW)	3.7	5.8	9.8	12.2	23
Rated Current (A)	6.3	9	12.6	17.6	17.6
Max current (A)	12.2	14.8	16.7	23.8	23.8
Power supply	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz	415 V / 3 Ph / 50 Hz
Refrigerant type	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C	R-410a / R-417a / R-407C
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll
Heat Exchanger	Shell and tube titanium	Shell and tube titanium	Shell and tube titanium	Shell and tube titanium	Shell and tube titanium
Evaporator coil	Copper tube with aluminum hydrophilic fins	Copper tube with aluminum hydrophilic fins	Copper tube with aluminum hydrophilic fins	Copper tube with aluminum hydrophilic fins	Copper tube with aluminum hydrophilic fins
Controller	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make
Water Inlet / Outlet size	2"	2"	2"	2"	2"
Noise (dB)	≤ 58	≤ 58	≤ 62	≤ 62	≤ 62
Body size (W x D x H) mm	763 x 767 x 968	833 x 827 x 998	833 x 827 x1200	1450 x 700 x1350	1650 x 900 x1450
Net Weight / Gross Weight Kg	136/154	170/190	185/198	320/350	480/515

Condition : Max heating temp 32°C @ inlet water temp 25°C



airzen
Eco-Friendly Products for Nature

792, 7th Cross, Mallasandra, Near Lakshmi Janardhana Bakery,
T. Dasarahalli, Bengaluru-560 057.

+91 9036442267 / +91 9036864442

info@airzentechnologies.in www.airzentechnologies.in

Dealer Details :

Disclaimer: Product specifications, designs, images, services, and prices are subject to change without prior notice. Images are for illustrative purposes only and this brochure does not constitute a legally binding offer or contract. While every effort has been made to ensure accuracy, AIRZEN TECHNOLOGIES shall not be liable for any errors or omissions.

© 2026 AIRZEN TECHNOLOGIES. All Rights Reserved.