

AIRZEN HEAT PUMPS

From Airzen Technologies



ABOUT AIRZEN TECHNOLOGIES

Airzen technologies is an indian based company and we are professional heat pump manufacturer, we are specialized in reasearch,production and sales of air source heat pump and providing a solution for the residential and commercial heat pump systems.

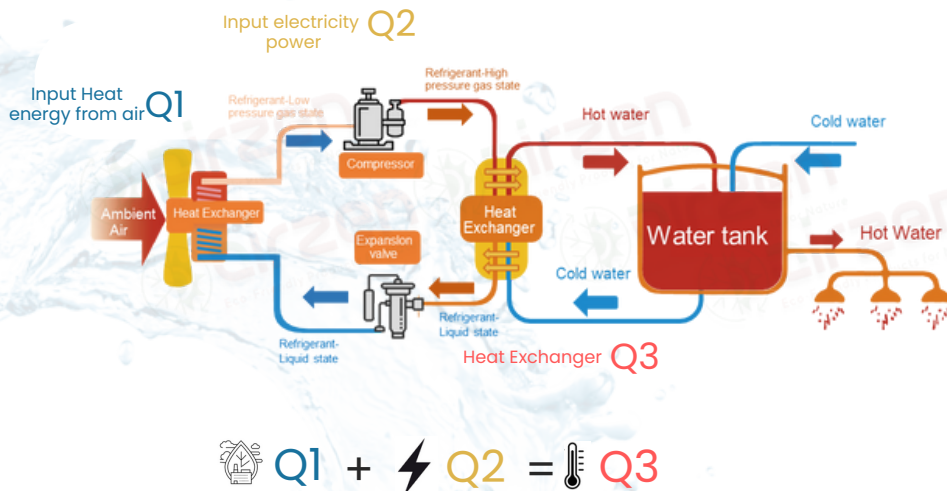
We do Manufacture Heat pump water heater, and which is targeting to utilize maximum renewable energy from ambient air to heat the water. this unique technology will reduce 70% to 80% heating cost as compared to. conventional water heating system in any condition non stop.

Airzen Technology is trying to be global customer's favorite brand. Through continuous improvement in the quality of products and the standing with the global partners, we are comitted to promote low-carbon lifestyle, improve the environment and people's lives.



PRODUCT AND TECHNOLOGY FEATURES

How does Airzen Heat Pump work ?



The heat pump is an energy moving device

- The refrigerant absorbs the heat energy from ambient air Q_1
- The compressor uses electricity to compress the refrigerant into the high temperature and pressure Q_2
- The compressed refrigerant pass through the heat exchanger and transmits heat energy to the surrounding water in the heat exchanger Q_3

Advantages of Airzen heat pump



Availability hot water any time 24/7

24 hours unlimited centralized hot water system



Safety

Free from hidden troubles created by electric heating and combustible gas for heating, safety is the greatest advantage due to separate water tank and electric devices.



Energy Saving Up to 80%

Heat pump will absorb heat from Ambient air source and its high efficiency will reduce the energy consumption up to 80% compared to traditional heating method



Environmental protection

Heat absorbed from ambient air and there is no generation of exhaust gas in heat pump, it will save liquid gas and reduce electricity consumption and protect ecological sustainable development



CO2 Emission

As compared to traditional water heating technology heat pump will use less electricity and reduce the CO2 emission.



Long live span and Low Maintenance

The heat pump equipment can realize automatic control without special maintenance, which saves the extra cost and give long live.



Integrate with exiting system

Heat pump is best solution to integrate with existing system (ex, Solar water heating system)

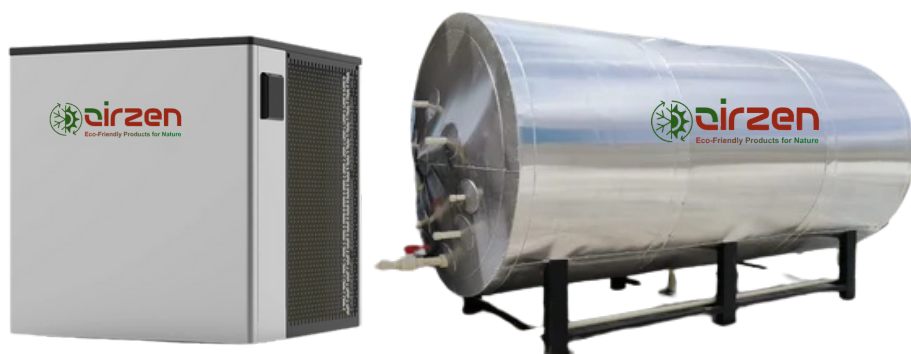
AIRZEN HEAT PUMP- SPLIT MODEL



Technical Specification

Model/Specifications		AHP-100/WST/1H	AHP-150/WST/1H	AHP-200/WST/1H	AHP-250/WST/1H	AHP-350/WST/1H
Model type	/	Split pump with stotage tank	Split pump with stotage tank	Split pump with stotage tank	Split pump with stotage tank	Split pump with stotage tank
Heat pump Capacity	LPH	100	150	250	300	350
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
Rated Heating capacity	Kw	4	6	10	12	14
Rated input power	kw	1	1.5	2.5	3	3.5
Tank Capacity	Ltr	200	300	500	600	700
Max outlet temperature	°C	60	60	60	60	60
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	230 V / 1 PH /50 Hz
Refrigerant type	/	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22
compressor type	/	Rotary type	Rotary type	Rotary type	Rotary type	Rotary type
Water Heat Exchanger type	/	Shell and tube	Shell and tube	Shell and tube	Shell and tube	Shell and tube
Air Heat Exchanger	/	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube
Max Pressure	Mpa	3	3	3	3	3
Tank Material	/	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated
Controller	/	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make
Noise	dB	58 Max	58 Max	58 Max	58 Max	58 Max

AIRZEN HEAT PUMP- SPLIT MODEL [COMMERCIAL RANGE]



Technical Specification

Model/Specifications		AHP-250/WST/3H	AHP-350/WST/3H	AHP-500/WST/3H	AHP-700/WST/3H	AHP-1000/WST/3H
Model type	/	Split pump with storage tank	Split pump with storage tank	Split pump with storage tank	Split pump with storage tank	Split pump with storage tank
Heat pump Capacity	LPH	250	350	500	700	1000
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
Rated Heating capacity	Kw	10	14	20	28	40
Rated input power	kw	2.5	3.5	5	7	10
Tank Capacity	Ltr	500	700	1000	1400	2000
Max outlet temperature	°C	60	60	60	60	60
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	/	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22
compressor type	/	Scroll type	Scroll type	Scroll type	Scroll type	Scroll type
Water Heat Exchanger type	/	Co-Axial tube in tube type	Co-Axial tube in tube type	Co-Axial tube in tube type	Co-Axial tube in tube type	Co-Axial tube in tube type
Air Heat Exchanger	/	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube
Tank Material	/	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated
Controller	/	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make

AIRZEN HEAT PUMP- INTEGRATION WITH SOLAR SYSTEM



Technical Specification

Model/Specifications		AHP-100/WST/1H	AHP-150/WST/1H	AHP-200/WST/1H	AHP-250/WST/1H	AHP-350/WST/1H
Model type	/	Heat pump with solar system	Heat pump with solar system	Heat pump with solar system	Heat pump with solar system	Heat pump with solar system
Heat pump Capacity	LPH	100	150	250	300	350
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
Rated Heating capacity	Kw	4	6	10	12	14
Rated input power	kw	1	1.5	2.5	3	3.5
Tank Capacity	Ltr	200	300	500	600	700
Max outlet temperature	°C	60	60	60	60	60
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	230 V / 1 PH /50 Hz
Refrigerant type	/	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22
compressor type	/	Rotary type	Rotary type	Rotary type	Rotary type	Rotary type
Water Heat Exchanger type	/	Shell and tube	Shell and tube	Shell and tube	Shell and tube	Shell and tube
Air Heat Exchanger	/	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube
Max Pressure	Mpa	3	3	3	3	3
Tank Material	/	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated	Galvanized tank with epoxy coated /Glass line coated
Controllor	/	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make
Noise	dB	58 Max	58 Max	58 Max	58 Max	58 Max

AIRZEN – SWIMMING POOL HEAT PUMP

Pool heat pump



Technical Specification

Model/Specifications		AHP-15/SPHT/3H	AHP-25/SPHT/3H	AHP-45/SPHT/3H	AHP-54/SPHT/3H	AHP-104/SPHT/3H
Model type	/	Pool Heat Pump	Pool Heat Pump	Pool Heat Pump	Pool Heat Pump	Pool Heat Pump
Rated Heating capacity	Kw	15	25	45	54	104
Rated input power	kw	3.2	5.2	9	11.5	22
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	/	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22	R417a /R407C /R22
compressor type	/	Scroll type	Scroll type	Scroll type	Scroll type	Scroll type
Water Heat Exchanger type	/	Shell and coil titanium	Shell and coil titanium	Shell and coil titanium	Shell and coil titanium	Shell and coil titanium
Air Heat Exchanger	/	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube	Alluminium hydrophilic fin tube
Controller	/	Airzen make	Airzen make	Airzen make	Airzen make	Airzen make



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