

AOKOL

AOKOL HEAT PUMP FAMILY



20⁺

AOKOL has more than 20 years of experience in developing and manufacturing of heat pump and air conditioning products (2002-2025).

50⁺

AOKOL products are well sold in more than 50 countries and regions around the world.

200⁺

Products manufactured by AOKOL have more than 2 million users worldwide.

2500⁺

AOKOL has 7 intelligent production lines, with a daily production capacity of more than 2,500 units heat pumps, dehumidifiers and industrial air conditioners.

3000⁺

AOKOL has over 3000 retail stores, wholesalers, engineers, and OEM&ODM customers in China and overseas markets.

58000⁺

AOKOL has a modern intelligent manufacturing plant with an area of more than 58,000 square meters.



ErP



About AOKOL

AOKOL ENVIRONMENT TECHNOLOGY CO., LTD, located in Ningbo, a famous port city and China's home appliance manufacturing base, is a well-known enterprise dedicated to the research and development, manufacturing and sales of air to water heat pump products.

AOKOL has complete production and testing equipments. It is currently the OEM and ODM manufacturing base of many domestic and foreign brands in China. AOKOL air to water heat pump has won the bid for the "coal to electricity" clean heating project led by the Chinese government for 9 consecutive years. Its excellent quality and service have been unanimously praised by.

AOKOL air to water heat pumps have obtained EU CE certification, EU ROHS certification, German SG Ready certification, German BAFA certification, British MCS certification, EU ErP energy efficiency certification, EU Keymark certification; China CCC certification, China CRAA certification, China Energy Conservation Certification, and have been awarded by relevant Chinese institutions and media: "Top Ten Well-known Brands of Heat Pumps", "Out_x005fstanding Brand in the Heat Pump Industry", "Consumer Favorite Brand", "Top Brand of Air to Water Heat Pumps", "Brand with Outstanding Contribution to Heating" and other honorary titles!



AOKOL is a leading enterprise in China's air to water heat pump industry and a leading exporter of OEM & ODM air to water heat pump industry.

The air to water heat pump products manufactured by AOKOL Company are novel in style and excellent in performance. They have been sold to overseas markets such as Germany, France, Poland, Switzerland, Finland, Italy, Spain, Hungary, Cyprus, Belgium, Portugal, the Netherlands, Austria, Slovakia, Bulgaria, Serbia, Croatia, Slovenia, Turkey, the Czech Republic, the United States, Canada, Russia, Ukraine, South Korea, Israel, etc. for more than 10 years, and they also have a good reputation in overseas markets.



AOKOL Heat pump intelligent manufacturing factory

AOKOL Since 2002



AOKOL Mission

saving energy
protecting environment
benefit mankind

Always as a pioneer in the field of air energy, we strive for the energy transition and design more and more advanced solutions.

dedicated to the production of reliable heat pumps, with high performance and advanced technology. Constantly innovation-oriented, looking for new ways to make the most of renewable energy by ensuring comfort, high energy efficiency and respect for the environment.

AOKOL Vision

Our vision is deeply rooted in ecological sustainability To be the most trusted brand in the heat pump industry.

Change the structure of the existing HVAC field, minimize the use of non-renewable resources, and advocate environmentally friendly and comfortable methods.

Committed to protecting the environment and maintaining ecological balance for sustainable human development.

The face of AOKOL Heat Pump

Hu Jun: Chinese movie star and actor



AOKOL Ideal

We are committed to providing high-quality products and services to all customers;

Continuous innovation the pursuit of excellence to meet the development and needs of customers and the market.

Continuously improve the competitiveness of products and brands.

The success of a company comes from the hard work and dedication of every employee.
A company that satisfies customers and makes employees proud.

AOKOL Values

Lean production
Smart manufacturing
Craftsmanship spirit

Good faith, Liability, Innovation, Realize self-worth and give back to the society.

Pursuing higher product quality, service quality, and work quality.

Create a first-class brand and become a globally trusted brand.

Be a leading brand that drives industry progress.



AIR TO WATER HEAT PUMP

Max Hot Water Temp 75°C

Low Temperature -30°C Heating

RM Series



8.0kw | ASH-08CHW-RM



15kw | ASH-15CHW-RM
15kw | ASH-15CHW-RMS
18kw | ASH-18CHW-RMS



22kw | ASH-22CHW-RMS

RK Series



8.0kw | ASH-08CHW-RK



15kw | ASH-15CHW-RK
15kw | ASH-15CHW-RKS
18kw | ASH-18CHW-RKS



22kw | ASH-22CHW-RKS



HYDRAULIC MODULE

Save installation time
Reduce installation costs

IH Series

No water tank built in
Cooperate With RK Series

ASH-10HM-IH
ASH-18HM-IH
ASH-22HM-IHS



IW Series

Built in water tank
Cooperate With RK Series

ASH-10HM-180L-IW
ASH-18HM-180L-IW
ASH-22HM-180L-IWS





AIR TO WATER HEAT PUMP

Max Hot Water Temp 60°C

Low Temperature -30°C Heating

FR Series Split Type



10kw | ASH-35CHW/FR



15kw | ASH-55CHW/FR
18kw | ASH-65CHW/FR



25kw | ASH-85CHW/FR
30kw | ASH-105CHW/FR

MR Series



10kw | ASH-35CHW/MR



15kw | ASH-55CHW/MR
18kw | ASH-65CHW/MR



25kw | ASH-85CHW/MR
30kw | ASH-105CHW/MR



AIR TO WATER HEAT PUMP

Max Hot Water Temp 60°C
Low Temperature -30°C Heating

QM Series Commercial

80kw | ASH-80CHW/QM



DM Series Commercial

150kw | ASH-150CHW/DM





HEAT PUMP WATER HEATER

All in One Domestic Hot Water

HV Series

Water Tank Capacity

190L 270L

Max Hot Water Temp 75°C

Solar Coil: Optional

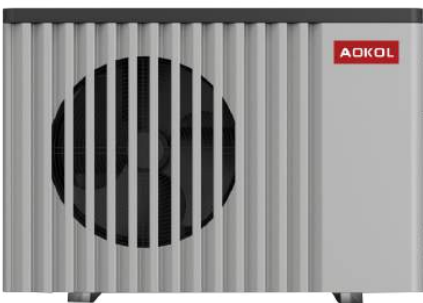


SWIMMING POOL HEAT PUMP

Heating & Cooling

BE Series

BR Series





DC INVERTER COMPRESSOR

The DC inverter technology in the AOKOL units reduces power consumption, which is related to the reduction of room cooling and heating costs. Its use translates to the quiet operation of the unit and faster achievement of the desired temperature. By using durable and high-pressure resistant materials, the compressor in AOKOL heat pumps is extremely reliable. In addition, which is why it can operate in extreme conditions in 24-hour mode and reach temperatures of up to 60°C.



DC Inverter Water Pump

DC Inverter high- efficiency shielded circulating water pump, low power consumption, 20% lower energy consumption, 30% lower noise than ordinary water pumps, quiet and energy saving, ensuring long - term Reliable operation of the unit.

Four Way Reversing Valve

High-quality four-way reversing valve, sensitive to hot and cold switching, flow control, fully enclosed and waterproof, safe and reliable, and stable in performance



Plate Heat Exchanger

316 Texture of Material Stainless Steel Brazed Plate Heat Exchanger, Small size, Simple Disassembly, Convenient After Sales Operating, Heating & Cooling High Heat Exchange Efficiency, Excellent Performance, and More Efficient.





High-efficiency exhaust valve

A high-efficiency exhaust valve is able to collect and release a large amount of air that may be present in a heating, cooling water system (when the water flows through the valve for the first time), releasing the eventual sharp increase in pressure.



DC Full Inverter Driver Module

The intelligent DC inverter chip achieves automatic adjustment of compressor high-frequency and low-frequency operating, secure and stable, intelligent control, and comprehensively improves system stability and energy efficiency



DC Fan Motor

The performance of the DC inverter fan motor is 10% higher than ordinary motors and the size is reduced by 35%. This device can adjust the speed in real time and steplessly according to the system operating status to reduce energy consumption. The large-diameter low-noise fan has low rotation speed and low vibration, which effectively reduces the operating noise level and ensures that the system is always in silent operation.



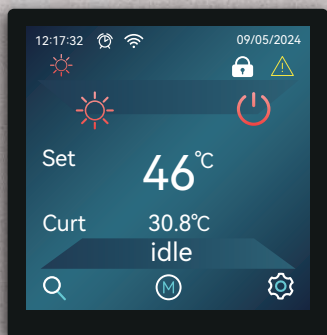
Electric Expansion Valve

Dual electronic expansion valve throttling control method, It automatically adjusts the refrigerant flow rate according to the ambient temperature, system pressure, and inlet and outlet water temperature, with precise throttling, small size, and high reliability, keeping the product in optimal condition and achieving energy saving



Pressure Sensor

Ceramic core pressure sensor manufactured with special process, corrosion-resistant, 24-bit measurement, realizes accurate sensing of system pressure between the operating temperature range of -60°C to 150°C, and transmits the signal to the main control board, effectively ensuring the system stability to protect the long-term efficient operation of the unit.



A+++

Full DC frequency conversion technology, with energy efficiency reaching A+++level



RM Series heat pump complying with the low noise level of EU regional noise regulations.



24-hour timing function and Fixed periodic setting within a week.



Remote control which is convenient for customers to solve after-sales problems.



11 national languages are available, and more languages can be customized, current languages: English, Polish, Dutch, Bulgarian, German, Danish, Norwegian, Swedish, Finnish, Turkish, Chinese.



Module cascade, up to 8 machines can be connected.



Automatic intelligent defrosting and anti-freeze function.



Smart grid SG Ready.



Smart WIFI, handheld APP.

RM Series

Monoblock
R290 GAS



35°C
A+++

55°C
A++

75°C
high

RM Series R290 Monobloc Heat Pump Unit

- ◆ RM Series Monobloc Type air to Water Heat Pump is an integrated complete module such as compressor, plate heat exchanger, refrigerant system and water pump included in the outdoor unit. The connection between the outdoor unit and the indoor unit is only suitable for water pipes. There are no refrigerant pipes entering the room. It is safe, environmentally friendly and pollution-free.
- ◆ The RM Series Monobloc Type air-to-water heat pump design has lower noise levels than traditional Monobloc Type, complying with the low noise level of EU regional noise regulations, while retaining -high performance advantages. In addition, compared with the traditional Monobloc Type the energy efficiency of the RM Series is significantly improved, so it is recognized as an ultra-efficient series of products.

RM Series Monoblock Heat Pump

High degree of integration Easy to install

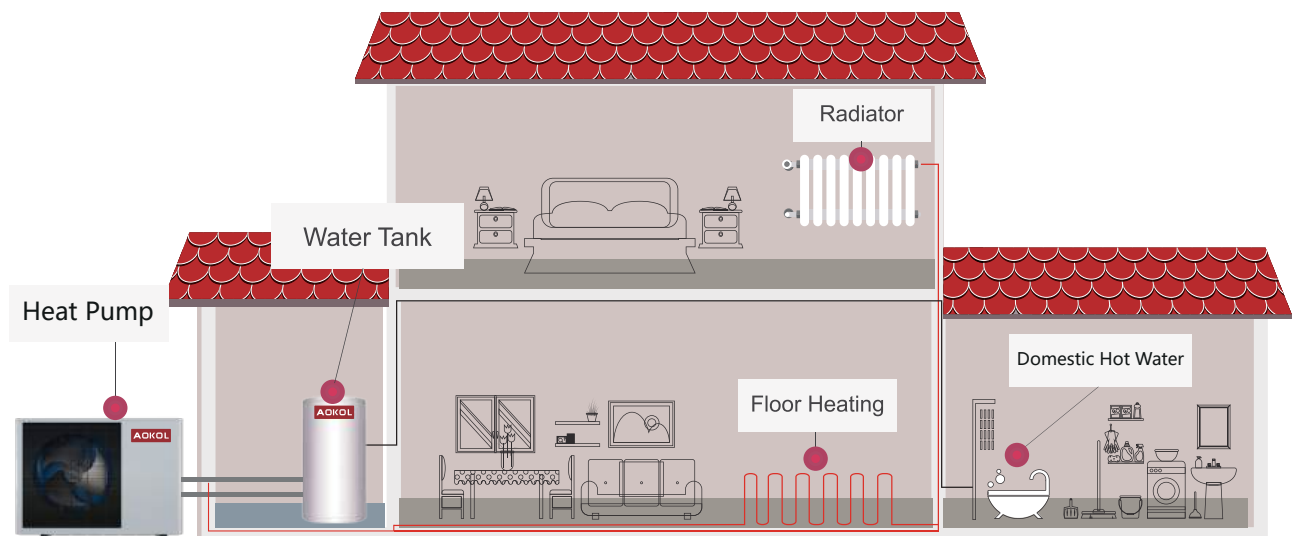


- | | |
|-----------------------------|------------------------|
| 1 Compressor | 6 Evaporator |
| 2 Plate heat exchanger | 7 Soundproof cabin |
| 3 Inverter circulating pump | 8 Four-way valve |
| 4 Expansion tank | 9 Electric control box |
| 5 Fan motor | 10 Exhaust valve |





- ◆ Fashionable Design, Compact Structure, Multiple Soundproof Protection and Running in Lower Noise.
- ◆ Meeting Cold Regions Heating requirement in Winter, Cooling in Summer, and Whole Year Domestic Hot Water Demand.



Note: Reference only



Model			ASH-08CHW-RM	ASH-15CHW-RM	ASH-15CHW-RMS	ASH-18CHW-RMS	ASH-22CHW-RMS
Power Supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
ErP Level		at35°C	A+++	A+++	A+++	A+++	A+++
ErP Level		at55°C	A++	A++	A++	A++	A++
Nominal Heating Capacity(A7°C/W35°C)		kW	8	15	15	18	22
Heating A7/6°C W30/35°C	Heating Capacity Range	kw	3.10~8.67	5.32~15.4	5.38~15.6	6.45~19.1	8.10~22.1
	Heating Power Input Range	kw	0.59~2.03	1.02~3.65	1.03~3.66	1.24~4.52	1.56~5.12
	COP Range	w/w	4.28~5.45	4.21~5.28	4.26~5.32	4.22~5.30	4.32~5.22
Heating A7/6°C W47/55°C	Heating Capacity Range	kw	3.05~7.90	4.81~13.60	4.85~13.76	6.15~18.7	7.78~22.2
	Heating Power Input Range	kw	0.96~2.82	1.60~4.77	1.62~4.78	2.06~6.68	2.47~7.79
	COP Range	w/w	2.80~3.24	2.85~3.07	2.88~3.12	2.80~3.05	2.85~3.36
Hot Water A20/15°C W15/55°C	Heating Capacity Range	kw	4.45~12.20	7.64~21.67	7.73~21.95	9.22~26.52	11.60~30.45
	Heating Power Input Range	kw	0.86~2.80	1.53~5.05	1.55~5.10	1.81~6.15	2.27~7.03
	COP Range	w/w	4.36~5.28	4.29~5.18	4.30~5.20	4.31~5.22	4.33~5.21
Cooling A35/24°C W23/18°C	Cooling Capacity Range	kw	3.35~9.38	5.78~15.23	5.81~15.45	7.32~18.62	10.48~22.60
	Cooling Power Input Range	kw	0.76~3.33	1.40~5.54	1.39~5.56	1.97~6.65	2.74~8.01
	EER Range	w/w	2.82~3.31	2.75~3.19	2.78~3.21	2.80~3.25	2.82~3.31
Cooling A35/24°C W12/7°C	Cooling Capacity Range	kw	2.64~6.88	4.55~11.2	4.67~11.8	5.76~13.7	8.25~19.0
	Cooling Power Input Range	kw	0.88~2.60	1.52~4.29	1.56~4.49	1.94~5.23	2.75~7.14
	EER Range	w/w	2.65~3.09	2.61~3.02	2.63~3.07	2.62~3.05	2.66~3.08
Max. Input Power		kW	3.4	6	6.2	7.4	8.5
Max.Input Current		A	15.5	27.3	10.4	12.4	14.3
Compressor		Type	Panasonic DC+EVI				
Fan Motor		Type	DC				
Water Pump		Type	GRUNDFOS DC				
Max Water Pump Flow / Lift		m³/m	4/8.9	6 / 10.5	6 / 10.5	6 / 10.5	8 / 12.5
Max. Outlte Water Temp		°C	75°C	75°C	75°C	75°C	75°C
Ambient temp Range		°C	-30°C~50°C	-30°C~50°C	-30°C~50°C	-30°C~50°C	-30°C~50°C
Refrigerant Type / Input		kg	R290 /0.8kg	R290 /1.3kg	R290 /1.3kg	R290 /1.8kg	R290 /2.0kg
CO2 Equivalent		Tonnes	0.0024/Tonnes	0.0039/Tonnes	0.0039/Tonnes	0.0054/Tonnes	0.0060/Tonnes
Sound Pressure (1m)		dB(A)	45	46	46	47	48
Sound power Level		dB(A)	52	53	53	54	55
Electricity Shock Proof		Class	I	I	I	I	I
Water Proof		Class	IPX4	IPX4	IPX4	IPX4	IPX4
Net Weight/Gross Weight		kg	89/95	126/145	126/145	165/193	178/205
Net Dimension(L*D*H)		mm	1185*435*848	1255*435*1394	1255*435*1394	1255*435*1394	1255*435*1480
Packing Dimension(L*D*H)		mm	1280*530*1015	1355*500*1555	1355*500*1555	1355*500*1555	1355*500*1620

Notice:

★According to EN14511, EN14825, EN12102 standard, the data was tested in SGS approved AOKOL low temperature air to water heat pump laboratory.

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RK Series

Monoblock
R290 GAS



RK Series Air to Water Heat Pump

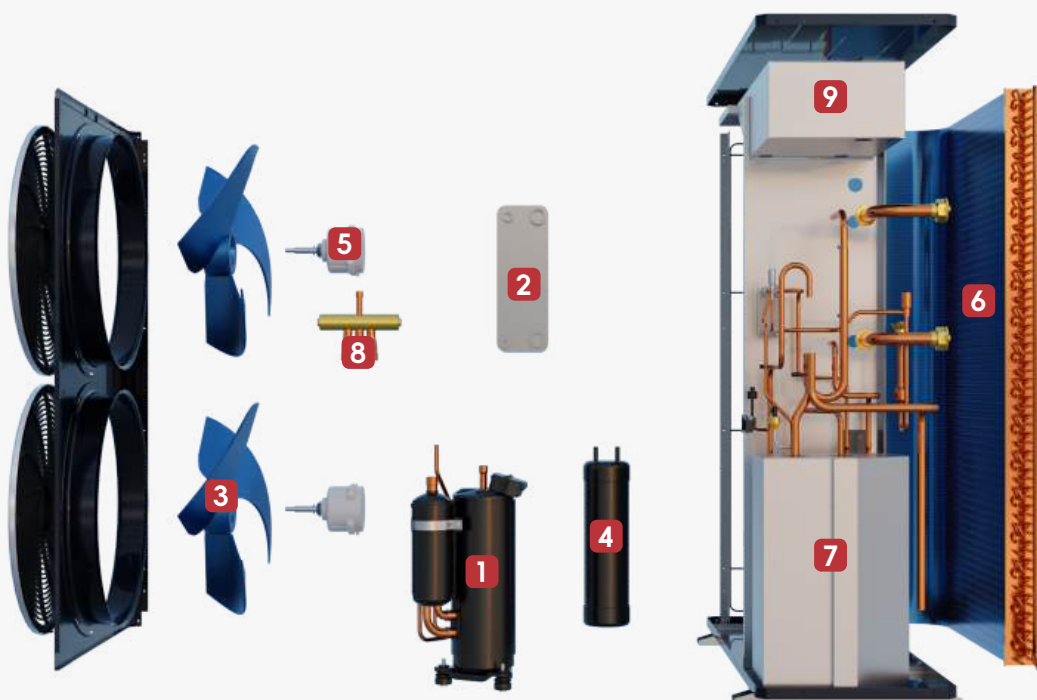
- ◆ AOKOL RK Series air to water heat pump uses the latest green refrigerant - R290.
- ◆ R290 refrigerant is the energy efficiency has low global warming potential (GWP) ,economic viability and sustainability business that changes the trend of heat pumps and the market has grown significantly.
- ◆ EVI Rotary Twin-Cylinder Low Temp DC Inverter Compressor, and full DC frequency conversion technology help it provide powerful and efficient heating performance and high water temperature.

RK Series Monoblock Heat Pump

Supporting Facilities IH & IW Series Hydraulic Module More Convenient Installation.

Internal diagram

- | | |
|-------------------------------|-------------------------------|
| 1 Compressor | 6 Evaporator |
| 2 Plate heat exchanger | 7 Soundproof cabin |
| 3 Fan | 8 Four-way valve |
| 4 Liquid storage tank | 9 Electric control box |
| 5 Motor | |





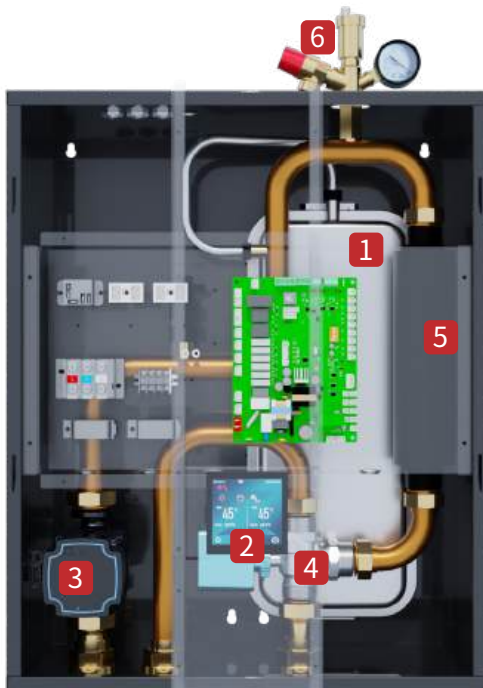
RK Series



Model			ASH-08CHW-RK	ASH-15CHW-RK	ASH-15CHW-RKS	ASH-18CHW-RKS	ASH-22CHW-RKS
Power Supply		V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
ErP Level		at35°C	A+++	A+++	A+++	A+++	A+++
ErP Level		at55°C	A++	A++	A++	A++	A++
Nominal Heating Capacity(A7°C/W35°C)		kW	8	15	15	18	22
Heating A7/6°C W30/35°C	Heating Capacity Range	kW	3.10~8.67	5.32~15.4	5.38~15.6	6.45~19.1	8.10~22.1
	Heating Power Input Range	kW	0.59~2.03	1.02~3.65	1.03~3.66	1.24~4.52	1.56~5.12
	COP Range	w/w	4.28~5.45	4.21~5.28	4.26~5.32	4.22~5.30	4.32~5.22
Heating A7/6°C W47/55°C	Heating Capacity Range	kW	3.05~7.90	4.81~13.60	4.85~13.76	6.15~18.7	7.78~22.2
	Heating Power Input Range	kW	0.96~2.82	1.60~4.77	1.62~4.78	2.06~6.68	2.47~7.79
	COP Range	w/w	2.80~3.24	2.85~3.07	2.88~3.12	2.80~3.05	2.85~3.36
Hot Water A20/15°C W15/55°C	Heating Capacity Range	kW	4.45~12.20	7.64~21.67	7.73~21.95	9.22~26.52	11.60~30.45
	Heating Power Input Range	kW	0.86~2.80	1.53~5.05	1.55~5.10	1.81~6.15	2.27~7.03
	COP Range	w/w	4.36~5.28	4.29~5.18	4.30~5.20	4.31~5.22	4.33~5.21
Cooling A35/24°C W23/18°C	Cooling Capacity Range	kW	3.35~9.38	5.78~15.23	5.81~15.45	7.32~18.62	10.48~22.60
	Cooling Power Input Range	kW	0.76~3.33	1.40~5.54	1.39~5.56	1.97~6.65	2.74~8.01
	EER Range	w/w	2.82~3.31	2.75~3.19	2.78~3.21	2.80~3.25	2.82~3.31
Cooling A35/24°C W12/7°C	Cooling Capacity Range	kW	2.64~6.88	4.55~11.2	4.67~11.8	5.76~13.7	8.25~19.0
	Cooling Power Input Range	kW	0.88~2.60	1.52~4.29	1.56~4.49	1.94~5.23	2.75~7.14
	EER Range	w/w	2.65~3.09	2.61~3.02	2.63~3.07	2.62~3.05	2.66~3.08
Max. Input Power		kW	3.4	6	6.2	7.4	8.5
Max.Input Current		A	15.5	27.3	10.4	12.4	14.3
Compressor		Type	Panasonic DC+EVI				
Fan Motor		Type	DC				
Water Pump		Type	NO				
Max Water Pump Flow / Lift		m³/m	4/8.9	6 / 10.5	6 / 10.5	6 / 10.5	8 / 12.5
Max. Outlte Water Temp		°C	75°C	75°C	75°C	75°C	75°C
Ambient temp Range		°C	-30°C~50°C	-30°C~50°C	-30°C~50°C	-30°C~50°C	-30°C~50°C
Refrigerant Type / Input		kg	R290 /0.8kg	R290 /1.3kg	R290 /1.3kg	R290 /1.8kg	R290 /2.0kg
CO2 Equivalent		Tonnes	0.0024/Tonnes	0.0039/Tonnes	0.0039/Tonnes	0.0054/Tonnes	0.0060/Tonnes
Sound Pressure (1m)		dB(A)	45	46	46	47	48
Sound power Level		dB(A)	52	53	53	54	55
Electricity Shock Proof		Class	I	I	I	I	I
Water Proof		Class	IPX4	IPX4	IPX4	IPX4	IPX4
Net Weight/Gross Weight		kg	89/95	126/145	126/145	165/193	178/205
Net Dimension(L*D*H)		mm	1185*435*848	1255*435*1394	1255*435*1394	1255*435*1394	1255*435*1480
Packing Dimension(L*D*H)		mm	1280*530*1015	1355*500*1555	1355*500*1555	1355*500*1555	1355*500*1620
Notice:							
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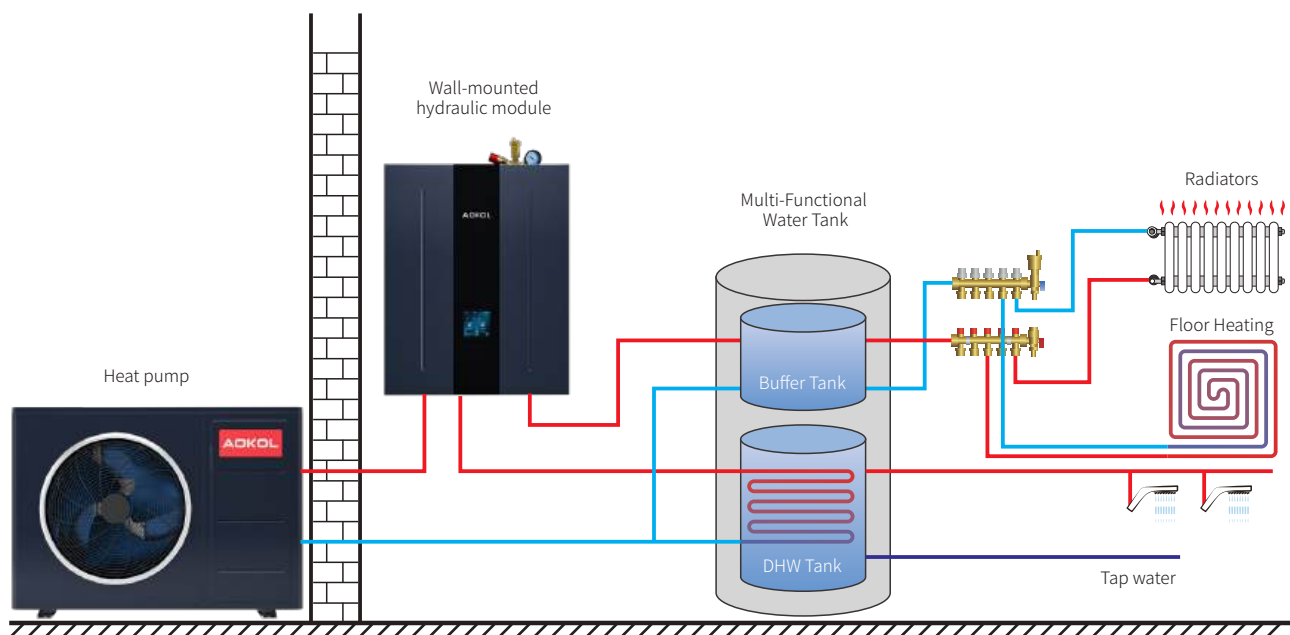
IH Series Hydraulic Module

Internal diagram



- 1 Expansion Tank
- 2 Display
- 3 Water Pump
- 4 Electric 3-way Valve
- 5 Electric Heater
- 6 Exhaust Valve

IH Series Hydraulic Module Installation with RK Series





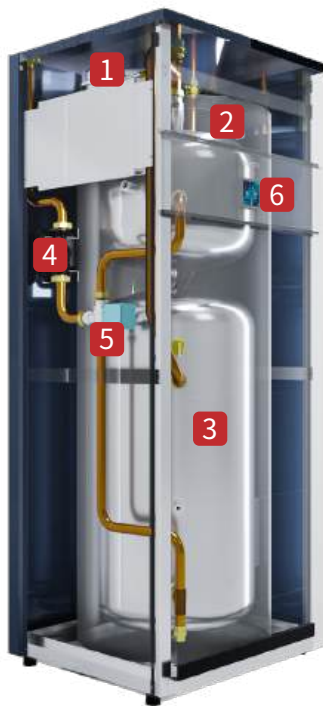
- ◆ IH Series Hydraulic Module can be combined with RK series and MR Series monobloc heat pump (without water pump, expansion tank, three-way valve, electric heating and other components).
- ◆ IH Series Hydraulic Module has high flexibility, which reduces the workload and installation process of the installation personnel, and also reduces the installation cost.



Model	ASH-10HM-IH	ASH-18HM-IH	ASH-22HM-IHS
Power Supply	220~240V/50Hz	220~240V/50Hz	220~240V/50Hz
Expansion Tank	6L	10L	12L
Auxiliary Electric Heating	3kW	3kW	3kW
Water Connection	1.2Inch	1.2Inch	1.2Inch
Water Pump	Standard Delivery		
Electric 3 way Valve	Standard Delivery		
Exhaust valve	Standard Delivery		
Water Flow Switch	Standard Delivery		
WIFI Module	Standard Delivery		
Water Temp Range	10°C~75°C		
Sound Pressure (1m)	33	33	35
Net Dimension(L*D*H)	520×300×650mm	520×300×650mm	520×300×650mm

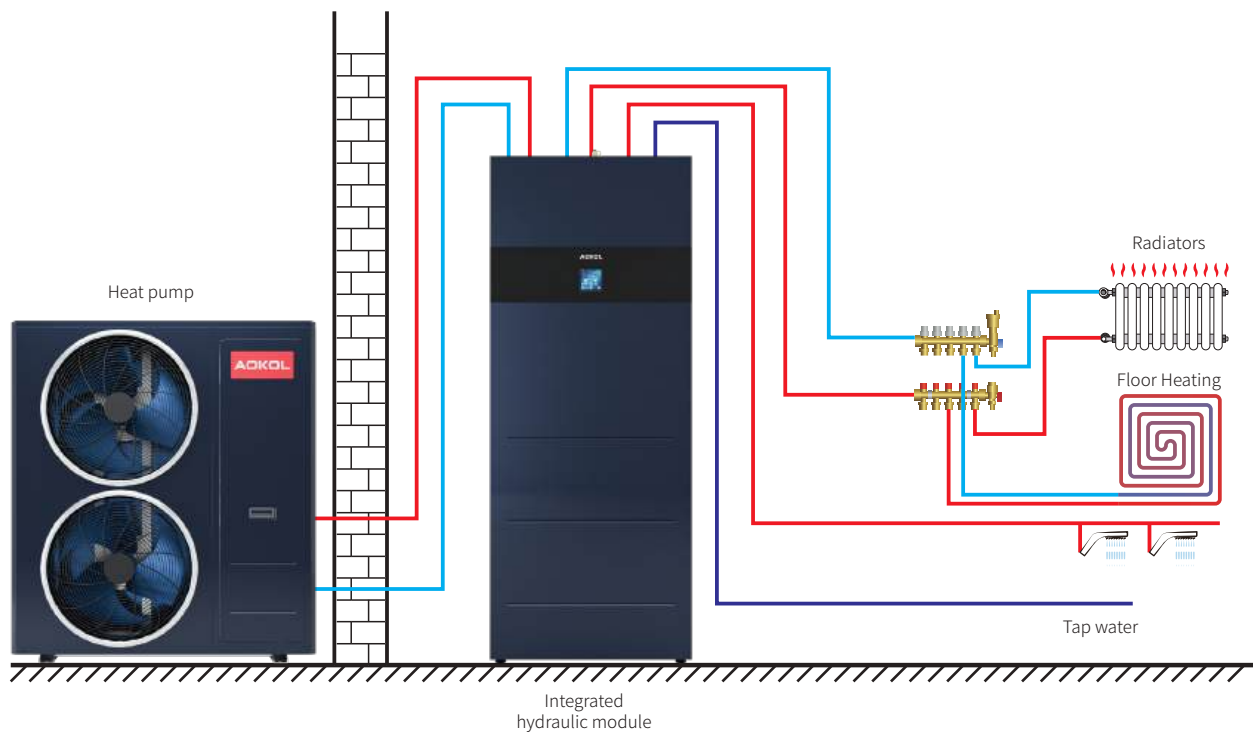
IW Series Hydraulic Module

Internal diagram



- 1 Expansion Tank
- 2 Buffer Tank
- 3 DHW Tank
- 4 Water Pump
- 5 3 Way Valve
- 6 Display

IW Series Hydraulic Module Install with RK Series





◆ IW Series Multi-functional Hydraulic Module is an integrated design, with heating & cooling buffer water tank, domestic hot water tank (including internal heating coil), expansion tank, circulating water pump, auxiliary electric heating, electric three-way valve and other components, which can meet the requirements of home heating, cooling, DHW, Heating +DHW, cooling +DHW 5 functions.

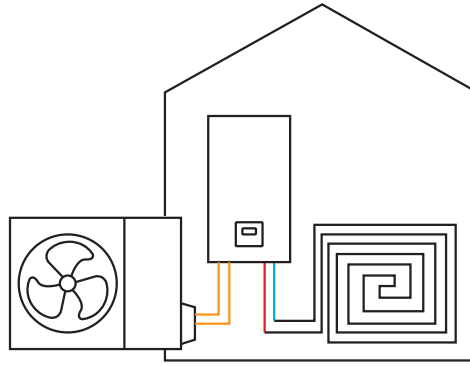
◆ IW Series Multi-functional Hydraulic Module internal structure design is compact; it's easy and flexible to install; occupy small space. High quality duplex stainless steel (DSS) has strong anti-corrosion properties to ensure a long service life.



Model	ASH-10HM-180L-IW	ASH-18HM-180L-IW	ASH-22HM-180L-IWS
Power Supply	220~240V/50Hz	220~240V/50Hz	380~415V/50Hz
DHW Tank	180L	180L	180L
Heating Tank	60L	60L	60L
Expansion Tank	6L	10L	12L
Auxiliary Electric Heating	3+3kW	3+3kW	6+3kW
Water Connection	1.2/DN32		
Water Pump	Standard Delivery		
Electric 3 way Valve	Standard Delivery		
Exhaust valve	Standard Delivery		
Water Flow Switch	Standard Delivery		
WIFI Module	Standard Delivery		
Water Temp Range	10°C~75°C		
Sound Pressure (1m)	33	33	35
Net Dimension(L*D*H)	730×650×1850mm	730×650×1850mm	730×650×1850mm

FR Series

Split Type
R32 GAS
Heat Pump



Function

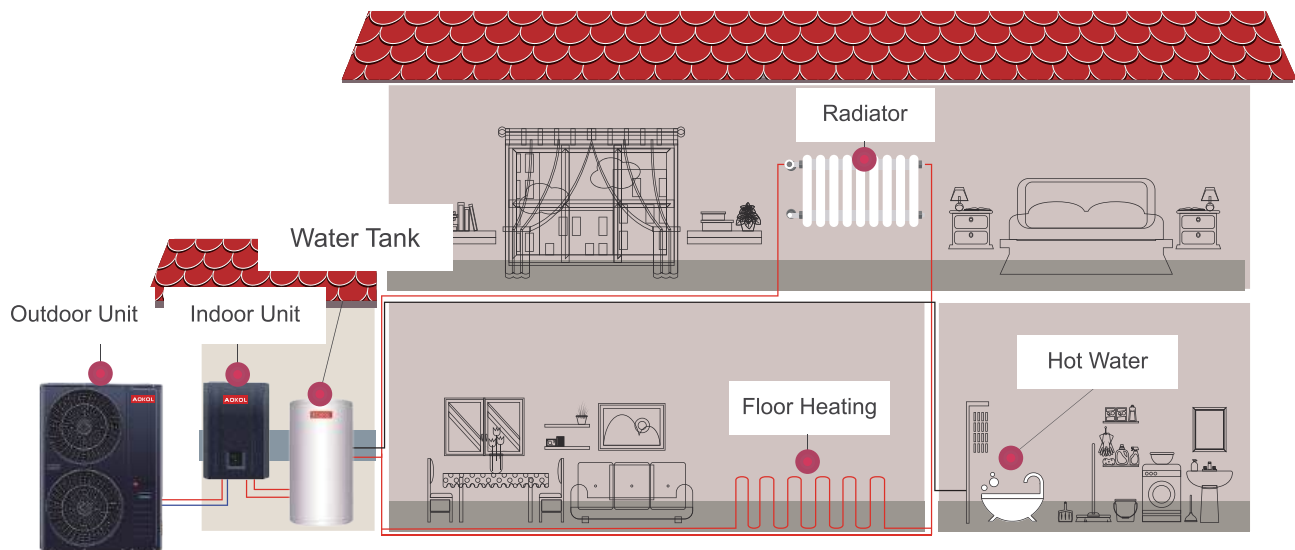
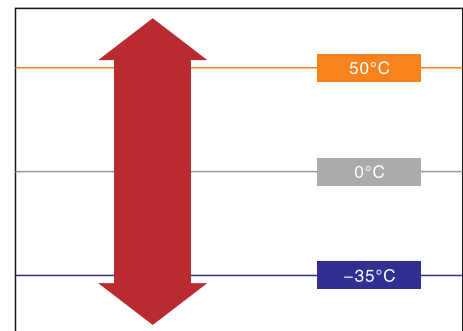
- a. Heating mode
 - b. Hot water mode
 - c. Cooling mode
 - d. Heating and hot water mode
 - e. Cooling and hot water mode
- Domestic hot water is preferred when heating and hot water modes are selected



Wide-Range Operation

Low temperature DC inverter compressor, extended heat exchanger, optimized system design, AOKOL heat pump can operate in the outdoor ambient temperature of $-30^{\circ}\text{C} \sim 50^{\circ}\text{C}$.

Down to
 -30°C
Outdoor temperature



Note: Reference only



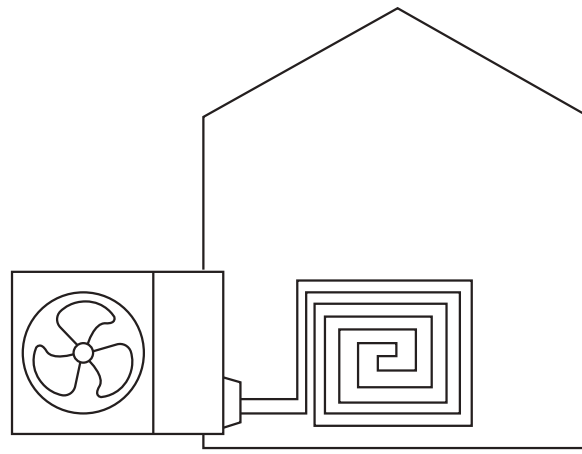
FR Series Split Type



Model			ASH-35CHW/FR	ASH-55CHW/FR	ASH-65CHW/FR	ASH-85CHW/FR	ASH-105CHW/FR
Power Supply	V/Hz		220~240/50	220~240/50	380~415/50	380~415/50	380~415/50
ErP Level	35°C		A+++	A+++	A+++	A+++	A+++
ErP Level	55°C		A++	A++	A++	A++	A++
Nominal Heating Capacity(A7°C/W35°C)	kW		10	15	18	25	30
Heating (A7°C/6°C) (W30°C~35°C)	Heating Capacity Range	kW	3.45~10.15	5.29~15.65	5.58~17.89	9.31~25.12	11.02~29.94
	Heating Input Power Range	kW	0.73~2.44	1.11~3.71	1.19~4.30	1.97~5.96	2.36~7.47
	COP Range	w/w	4.70~4.16	4.75~4.22	4.70~4.16	4.72~4.21	4.66~4.01
Heating (A7°C/6°C) (W47°C~55°C)	Heating Capacity Range	kW	3.15~8.82	4.73~13.51	5.48~15.10	8.43~21.90	10.30~26.12
	Heating Input Power Range	kW	0.85~3.51	1.26~5.28	1.48~6.00	2.22~8.66	2.81~10.70
	COP Range	w/w	3.72~2.51	3.76~2.56	3.71~2.52	3.80~2.53	3.67~2.44
Hot Water (A20°C/15°C) (W15°C~55°C)	Heating Capacity Range	kW	4.18~11.65	6.31~18.72	6.87~20.01	11.39~30.17	13.32~35.70
	Heating Input Power Range	kW	0.84~2.81	1.24~4.44	1.36~4.97	2.23~7.34	2.72~9.27
	COP Range	w/w	5.00~4.15	5.08~4.22	5.06~4.03	5.10~4.11	4.90~3.85
Cooling A35/24°C W23/18°C	Cooling Capacity Range	kW	4.05~9.58	7.13~14.78	7.51~15.89	11.43~22.38	13.89~25.32
	Cooling Input Power Range	kW	1.33~3.46	2.21~5.13	2.35~5.58	3.61~7.83	4.60~9.14
	EER Range	w/w	3.04~2.77	3.23~2.88	3.19~2.85	3.17~2.86	3.02~2.77
Cooling (A35°C/24°C) (W12°C~7°C)	Cooling Capacity Range	kW	3.15~8.05	5.76~12.11	6.02~12.99	9.25~17.60	11.36~22.23
	Cooling Input Power Range	kW	1.06~3.21	1.87~4.49	2.01~4.90	3.05~6.52	3.86~8.86
	EER Range	w/w	2.96~2.51	3.08~2.70	3.00~2.65	3.03~2.70	2.94~2.51
Max.Rated Input Power	kW		4.2	6.3	7.2	10.4	12.8
Max.Pressure at high Pressure Side	Mpa		4.2	4.2	4.2	4.2	4.2
Max.Pressure at low Pressure Side	Mpa		2.2	2.2	2.2	2.2	2.2
Water Flowrate	m³/h		1.38	2.08	2.23	3.03	3.82
Refrigerant Type / Input	kg		R32 /1.6	R32 /2.4	R32 /2.4	R32 /3.6	R32 /3.9
CO2 Equivalent	Tonnes		1.09	1.63	1.63	2.45	2.65
Compressor	Type		DC Inverter+EVI				
Fan Motor	Type		DC Inverter				
Water Pump	Type		DC Inverter				
Heating & Hot Water Temp	°C		30~60				
Outdoor Temperature limit	°C		-30~45				
Indoor Unit	Auxiliary Heating Power	kW	3	3	3	3	3
	Water Connection	Inch	1.2/DN32	1.2/DN32	1.2/DN32	1.2/DN32	1.2/DN32
	Copper Pipe Connection	Inch	3/8+5/8	1/2+3/4	1/2+3/4	5/8+3/4	5/8+3/4
	Noise Level	dB(A)	32	32	32	35	35
	Net Weight	kg	47	50	52	55	58
	Net Dimension(L*W*H)	mm	590×430×890	590×430×890	590×430×890	590×430×890	590×430×890
Outdoor Unit	Noise Level	dB(A)	55	57	58	62	63
	Net Weight	kg	75	102	110	151	164
	Net Dimension(L*W*H)	mm	1000×390×860	1000×390×1360	1000×390×1360	1170×430×1490	1170×430×1490
♦The technical data above is compliant with the guidelines specified in the following standards: EN 14511,EN 14825. ♦The above data is for reference only;specific data is subject to the product nameplate.							

MR Series

Monoblock
R32 GAS
Heat Pump



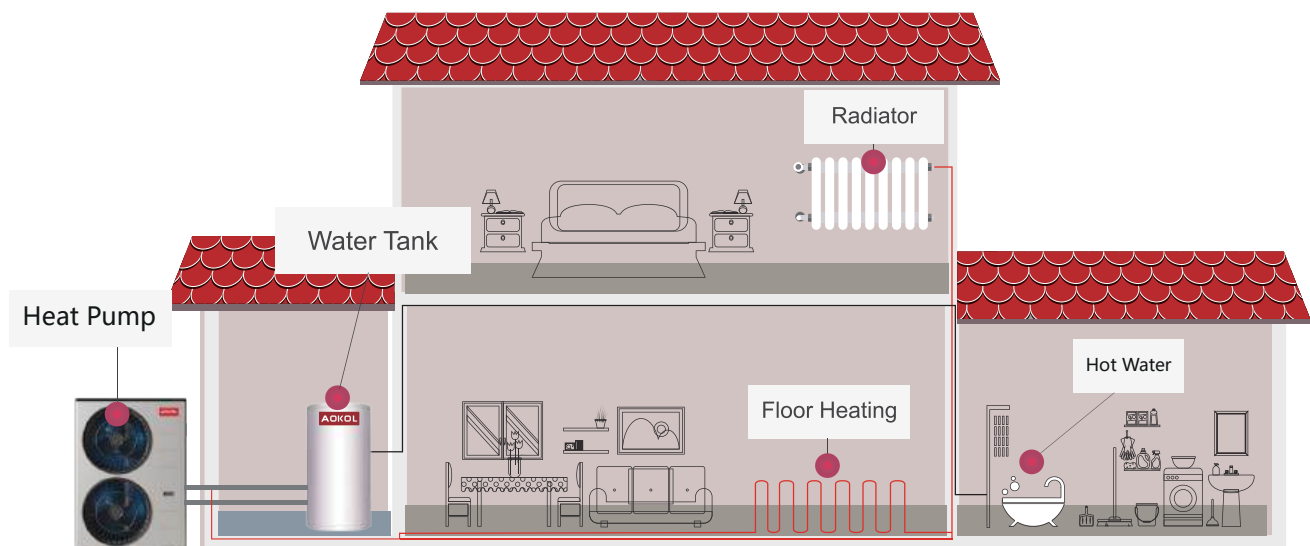
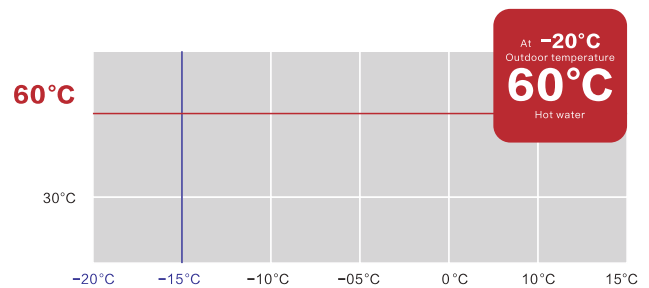
Features of Monobloc heat pump

- * Monoblock design, easy to install, flexible and convenient.
- * Fashion design, compact structure, multiple sound insulation protection, low running noise.
- * Meet the cold area heating in winter, summer refrigeration and year-round domestic hot water demand.



High Water Temperature

Without the use of electric auxiliary heating, outdoor temperature -20°C environment heating can reach the highest temperature of 60°C .



Note: Reference only



MR Series Monobloc



Model			ASH-35CHW/MR	ASH-55CHW/MR	ASH-65CHW/MR	ASH-85CHW/MR	ASH-105CHW/MR
Power Supply		V/Hz	220~240/50	220~240/50	380~415/50	380~415/50	380~415/50
ErP Level		35°C	A+++	A+++	A+++	A+++	A+++
ErP Level		55°C	A++	A++	A++	A++	A++
Nominal Heating Capacity(A7°C/W35°C)		kW	10	15	18	25	30
Heating (A7°C/6°C) (W30°C~35°C)	Heating Capacity Range	kW	3.54~10.50	5.35~15.80	5.86~18.20	9.43~25.30	11.20~30.10
	Heating Input Power Range	kW	0.75~2.51	1.12~3.73	1.24~4.34	1.99~5.97	2.39~7.49
	COP Range	w/w	4.72~4.18	4.76~4.24	4.71~4.19	4.75~4.24	4.68~4.02
Heating (A7°C/6°C) (W47°C~55°C)	Heating Capacity Range	kW	3.25~8.95	4.82~13.65	5.56~15.80	8.54~22.30	10.50~26.40
	Heating Input Power Range	kW	0.87~3.54	1.28~5.29	1.49~6.22	2.23~8.71	2.85~11.06
	COP Range	w/w	3.74~2.53	3.78~2.58	3.73~2.54	3.83~2.56	3.69~2.48
Hot Water (A20°C/15°C) (W15°C~55°C)	Heating Capacity Range	kW	4.25~11.82	6.45~18.94	6.94~20.20	11.53~30.32	13.45~35.85
	Heating Input Power Range	kW	0.85~2.83	1.26~4.47	1.37~4.99	2.25~7.34	2.73~9.24
	COP Range	w/w	5.02~4.17	5.10~4.24	5.08~4.05	5.12~4.13	4.92~3.88
Cooling A35/24°C W23/18°C	Cooling Capacity Range	kW	4.13~9.66	7.25~14.90	7.63~16.03	11.55~22.56	14.01~25.52
	Cooling Input Power Range	kW	1.35~3.46	2.23~5.14	2.38~5.59	3.62~7.83	4.61~9.15
	EER Range	w/w	3.06~2.79	3.25~2.90	3.21~2.87	3.19~2.88	3.04~2.79
Cooling (A35°C/24°C) (W12°C~7°C)	Cooling Capacity Range	kW	3.28~8.20	5.85~12.30	6.15~13.10	9.40~18.50	11.50~22.40
	Cooling Input Power Range	kW	1.10~3.24	1.89~4.52	2.04~4.91	3.08~6.83	3.89~8.89
	EER Range	w/w	2.98~2.53	3.10~2.72	3.02~2.67	3.05~2.71	2.96~2.52
Max.Rated Input Power		kW	4.1	6.2	7.2	10.1	12.8
Max.Pressure at high Pressure Side		Mpa	4.2	4.2	4.2	4.2	4.2
Max.Pressure at low Pressure Side		Mpa	2.2	2.2	2.2	2.2	2.2
Water Flowrate		m³/h	1.41	2.12	2.25	3.18	3.85
Refrigerant Type / Input		kg	R32 /1.5	R32 /2.3	R32 /2.3	R32 /3.5	R32 /3.8
CO2 Equivalent		Tonnes	1.02	1.56	1.56	2.37	2.57
Compressor		Type	DC Inverter+ EVI				
Fan Motor		Type	DC Inverter				
Heating & Hot Water Temp		°C	30~60				
Outdoor Temperature limit		°C	-30~45				
Water Connection		Inch	1.2/DN32	1.2/DN32	1.2/DN32	1.2/DN32	1.2/DN32
Noise Level		dB(A)	55	57	58	62	63
Net Weight		kg	86	115	123	162	175
Net Dimension(L*W*H)		mm	1000x390x860	1000x390x1360	1000x390x1360	1170*430*1490	1170*430*1490
♦The technical data above is compliant with the guidelines specified in the following standards: EN 14511,EN 14825. ♦The above data is for reference only;specific data is subject to the product nameplate.							





Commercial Air to Water Heat Pump Unit



QM Series



DM Series

Model			ASH-80CHW-QMS	ASH-150CHW-DMS
Power Supply		V/Hz	380~415/50	380~415/50
ErP Level		35°C	A+++	A+++
ErP Level		55°C	A++	A++
Nominal Heating Capacity(A7°C/W35°C)		kW	80	150
Heating A7/6°C W30/35°C	Heating Capacity Range	kW	18.21~81.50	35.48~150.22
	Heating Power Input Range	kW	3.94~22.33	7.71~41.50
	COP Range	w/w	4.62~3.65	4.60~3.62
Heating A7/6°C W47/55°C	Heating Capacity Range	kW	16.45~73.83	32.39~134.91
	Heating Power Input Range	kW	4.52~31.69	8.95~58.40
	COP Range	w/w	3.64~2.33	3.62~2.31
Hot Water A20/15°C W15/55°C	Heating Capacity Range	kW	20.36~89.65	39.42~164.33
	Heating Power Input Range	kW	4.11~23.78	8.01~44.06
	COP Range	w/w	4.95~3.77	4.92~3.73
Cooling A35/24°C W23/18°C	Cooling Capacity Range	kW	17.57~70.81	33.98~137.76
	Cooling Power Input Range	kW	5.47~25.75	10.62~50.28
	EER Range	w/w	3.21~2.75	3.20~2.74
Cooling A35/24°C W12/7°C	Cooling Capacity Range	kW	15.45~66.80	30.37~131.05
	Cooling Power Input Range	kW	5.13~24.93	10.12~49.08
	EER Range	w/w	3.01~2.68	3.00~2.67
Max. Input Power		kW	38.03	70.08
Max.Input Current		A	64.0	117.9
Compressor		Type	DC+EVI	
Fan Motor		Type	DC	
Max Water Pump Flow / Lift		m³/m	11.49/35	22.54/35
Ambient temp Range		°C	Heat:-35~28 Cool: 21~45	
Refrigerant Type / Input		kg	R32/12	R32/24
CO2 Equivalent		Tonnes	8.16	16.32
Sound Pressure (1m)		dB(A)	65	69
Sound power Level		dB(A)	70	74
Electricity Shock Proof		Class	1	1
Water Proof		Class	IPX4	IPX4
Net Weight/Gross Weight		kg	546/576	1200/1250
Net Dimension(L*D*H)		mm	1880*750*2250	2490×1120×2300
Packing Dimension(L*D*H)		mm	1900×800×1400	2550×1150×2410
Notice:				
★According to EN14511, EN14825, EN12102 standard, the data was tested in SGS approved AOKOL low temperature air to water heat pump laboratory.				
★Since the continuous improvement and control in the production process, The above data is for reference only.				





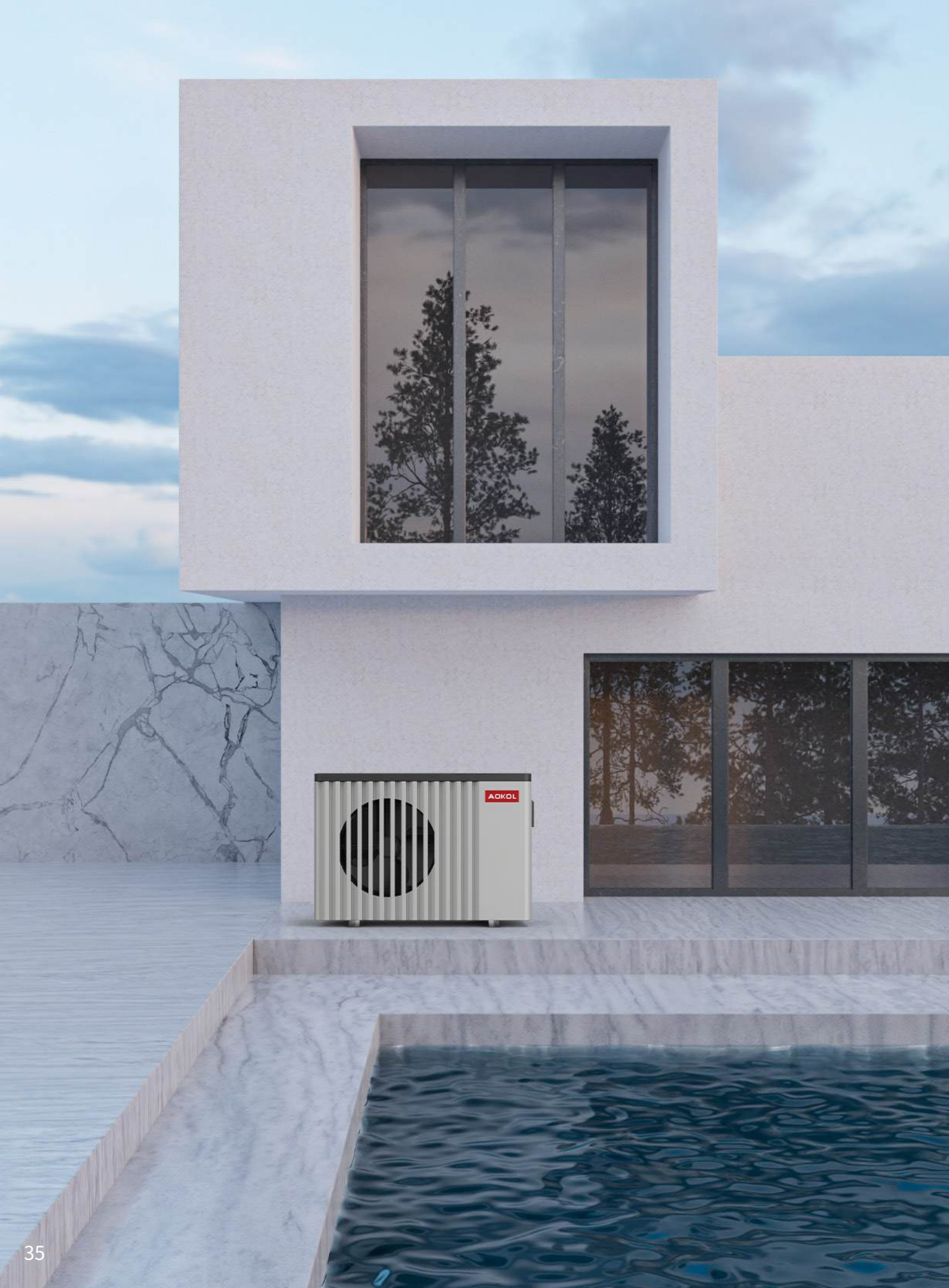
HV Series

Heat Pump Water Heater All in One Domestic Hot Water

- ◆ R290 Refrigerant
- ◆ WIFI Smart Control
- ◆ Stable Silent Operation
- ◆ Working Temperature Range -7°C ~ 43°C
- ◆ Max. Outlet hot water temperature 75°



Model		ASH-1.2KW-190L-HV	ASH-1.2KW-270L-HV
Power Supply	V/Hz	220~240/50	220~240/50
Water tank Capacity	L	200	270
Rated Heating Capacity	kw	1.2	1.2
COP(EN16147)	w/w	3.05	3.05
Auxiliary Electric Heating	kw	1.5	1.5
Maximum Power Input	kw	2	2
Max. Tempe Heat Pump Only	°C	65	
Max Hot Water Temp	°C	75	
Operation Temp Range	°C	-7~45°C	
Refrigerant	Type	R290	
Level Against Electric shock	Class	I	I
Water-Proof Grade	Class	IPX4	IPX4
Water Pipe Dimension	inch	3/4 "	3/4 "
Sound Pressure (1m)	dB(A)	48	48
Net Dimension(DxH)	mm	φ600*1650	φ600*2060
◆ Measuring conditions: Dry bulb 20C, Wet bulb 15C, Water inlet 15C, Water outlet 55C ◆ Note: All the data in the brochure is only for reference, designs and specifications might be changed without prior notice for.			





GWP

Low GWP



Low Noise

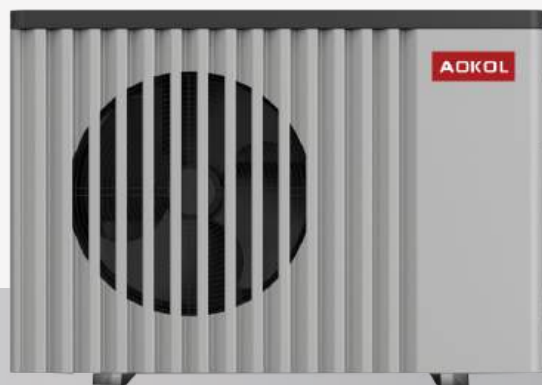
COP

High COP

- ◆ Compared to R410A, R32 refrigerant has a lower global warming potential (GWP) and is more efficient in performance.
- ◆ Full DC frequency conversion technology, the unit can automatically change the working frequency of the compressor and fan motor according to the user's heating or cooling needs, achieving stepless and rapid heating or cooling. When the demand for heating or cooling is high, the compressor and fan motors will run at high speed, otherwise they will run at low speed or constant temperature.
- ◆ High quality swimming pool heat pump dedicated dual rotor variable frequency compressor, low noise, high energy efficiency, and longer service life. Remote updates can be provided through WIFI software updates for remote services.

BE Series

SWIMMING POOL HEAT PUMP



Model			ASH-10HW-BE	ASH-12HW-BE	ASH-15HW-BE	ASH-18HW-BE	ASH-25HW-BE	ASH-30HW-BE	ASH-18HW-BES	ASH-25HW-BES	ASH-30HW-BES
Power Supply		V/Ph/Hz	220~240/1/50						380~415/3/50		
Advised Pool Volume		m ³	25~50	30~60	40~70	50~90	65~125	90~175	50~90	65~125	90~175
Heating A27°C/W26°C/ Humidity 80%	Heating Capacity Range	kw	2.25~9.50	2.95~12.50	3.75~16.00	4.55~18.50	5.79~24.83	6.81~29.75	4.59~18.80	5.83~24.92	6.89~29.83
	Heating Power Input Range	kw	0.17~1.68	0.22~2.20	0.30~2.85	0.37~3.67	0.47~4.74	0.55~5.81	0.37~3.78	0.47~4.75	0.55~5.80
	COP Range	w/w	13.46~5.65	13.59~5.68	12.55~5.61	12.40~4.91	12.42~5.24	12.43~5.12	12.43~4.98	12.43~5.25	12.45~5.14
Heating A15°C/W26°C/ Humidity 70%	Heating Capacity Range	kw	1.79~7.8	2.25~9.75	2.90~12.00	3.80~14.42	5.05~20.42	5.76~24.27	3.88~14.49	5.12~20.65	5.76~24.27
	Heating Power Input Range	kw	0.25~1.68	0.32~2.09	0.44~2.78	0.60~3.60	0.77~4.78	0.87~5.68	0.61~3.56	0.78~4.82	0.87~5.66
	COP Range	w/w	7.2~4.65	7.03~4.66	6.60~4.31	6.38~4.01	6.53~4.27	6.61~4.27	6.41~4.07	6.56~4.28	6.63~4.29
Heating A10°C/W26°C/ Humidity 64%	Heating Capacity Range	kw	1.45~6.95	1.98~8.64	2.45~9.65	3.31~13.45	4.45~18.81	5.32~21.51	3.34~13.47	4.52~18.99	5.33~21.52
	Heating Power Input Range	kw	0.25~1.67	0.34~2.00	0.44~2.40	0.61~3.44	0.78~4.32	0.94~5.22	0.61~3.41	0.80~4.35	0.94~5.20
	COP Range	w/w	5.69~4.17	5.75~4.31	5.51~4.02	5.42~3.91	5.67~4.35	5.65~4.12	5.44~3.95	5.68~4.37	5.66~4.14
Max. Input Power		kW	2.02	2.64	3.62	4.73	5.74	6.97	4.54	5.78	6.96
Max.Input Current		A	9.2	12.0	16.5	21.5	26.1	31.7	7.6	9.7	11.7
Ambient temp Range		°C	-15°C~43°C								
Refrigerant Type / Input		kg	R32 /1.3kg	R32 /1.6kg	R32 /2.0kg	R32 /2.2kg	R32 /2.5kg	R32 /2.2kg	R32 /3.0kg	R32 /3.5kg	R32 /4.0kg
CO2 Equivalent		Tonnes	0.952/Tonnes	1.360/Tonnes	1.700/Tonnes	2.040/Tonnes	2.380/Tonnes	2.720/Tonnes	2.040/Tonnes	2.380/Tonnes	2.720/Tonnes
Sound Pressure (1m)		dB(A)	42	42	43	44	45	46	44	45	46
Sound power Level		dB(A)	49	49	50	51	52	50	51	52	55
Electricity Shock Proof		Class	I	I	I	I	I	I	I	I	I
Water Proof		Class	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Net Weight/Gross Weight		kg	80/85	90/95	100/105	110/119	120/129	130/139	110/119	120/129	130/139
Net Dimension(L*D*H)		mm	900*350*690	900*350*690	1000*390*860	1000*390*860	1000*390*1360	1000*390*1360	1000*390*860	1000*390*1360	1000*390*1360
Packing Dimension(L*D*H)		mm	995*445*760	995*445*760	1095*485*930	1095*485*930	1095*485*1430	1095*485*1430	1095*485*930	1095*485*1430	1095*485*1430

BR Series

SWIMMING POOL HEAT PUMP



Model			ASH-15HW-BR	ASH-15HW-BR	ASH-15HW-BR	ASH-15HW-BRS
Power Supply		V/Ph/Hz	220~240/1/50			380~415/3/50
Advised Pool Volume		m ³	25~50	40~65	50~95	65~125
Heating A27°C/W26°C/Humidity 80%	Heating Capacity Range	kw	2.35~10.50	3.95~15.65	5.99~20.23	6.99~25.31
	Heating Power Input Range	kw	0.19~1.86	0.33~2.79	0.48~3.59	0.62~4.85
	COP Range	w/w	12.46~5.65	12.15~5.61	12.42~5.64	11.35~5.22
Heating A15°C/W26°C/Humidity 70%	Heating Capacity Range	kw	1.89~7.85	2.96~12.00	5.45~18.42	5.96~23.27
	Heating Power Input Range	kw	0.30~1.76	0.49~2.60	0.90~4.18	0.99~5.42
	COP Range	w/w	6.22~4.45	6.10~4.61	6.03~4.41	5.98~4.29
Heating A10°C/W26°C/Humidity 64%	Heating Capacity Range	kw	1.75~6.95	2.65~9.65	4.75~16.81	5.66~20.52
	Heating Power Input Range	kw	0.35~2.19	0.55~3.09	0.96~5.34	1.18~6.82
	COP Range	w/w	4.96~3.17	4.85~3.12	4.95~3.15	4.81~3.01
Max. Input Power		kW	2.63	3.71	6.41	8.18
Max.Input Current		A	11.9	16.9	29.1	13.8
Ambient temp Range		°C	-15°C~43°C			
Refrigerant Type / Input		kg	R290 /0.8kg	R290 /1.3kg	R290 /1.8kg	R290 /2.0kg
CO2 Equivalent		Tonnes	0.0024/Tonnes	0.0039//Tonnes	0.0054/Tonnes	0.0060/Tonnes
Sound Pressure (1m)		dB(A)	42	44	45	46
Sound power Level		dB(A)	49	51	52	55
Electricity Shock Proof		Class	I	I	I	I
Water Proof		Class	IPX4	IPX4	IPX4	IPX4
Net Weight/Gross Weight		kg	101/106	112/120	122/131	132/141
Net Dimension(L*D*H)		mm	1000*390*860	1000*390*860	1000*390*1360	1000*390*1360
Packing Dimension(L*D*H)		mm	1095*485*930	1095*485*930	1095*485*1430	1095*485*1430

AOKOL

HEAT PUMP

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★ if there is any update, all the past parameter would canceled; AOKOL reserves the final interpretation of the data (2025).