

- ◆ AKL The Factory is located in China's Home Appliance Manufacturing base and the largest Port city-Ningbo.
- ◆ AKL has a standardized technology research and development center, modern manufacturing workshop, low-temperature heat pump product performance laboratory and perfect production and testing equipment. The technical development and quality management personnel are professionals in the industry.
- ◆ AKL heat pump has obtained CE certification, Keymark certification, ErP energy efficiency report issued by TUV and SGS, ROHS certification, CCC certification, ISO9001 quality management certification, ISO14001 environmental management certification, ISO45001 health and safety management certification.
- ◆ AKL's annual output of heat pumps is about 200000 units. We have rich OEM and ODM product production experience. More than 60% of our heat pumps are sold to more than 50 countries, including Europe. We have the right to import and export.
- ◆ AKL is a leading Air to water heat pump manufacturer in China.

### MDS Series | Monobloc Type EVI Inverter | Air to Water Heat Pump Product Introduction

◆ Unit Mainly Components Includes: Panasonic DC Inverter Compressor, Danfoss Brand Electric Expansion Valve, SANHUA Brand Four way valve, Sensata Brand Pressure Transducer, Dc Motor, Hydrophilic Aluminium foil & Inner-Grooved Copper Evaporator, Refrigerant valve and De-Ice Heater so on parts.

							
<b>Model</b>		<b>ASH-45CHW-V/MDS</b>	<b>ASH-75CHW-V/MDS</b>	<b>ASH-90CHW-MDS</b>	<b>ASH-150CHW-MDS</b>	<b>ASH-165CHW-MDS</b>	<b>ASH-180CHW-MDS</b>
Power Supply		380~415V/50Hz	380~415V/50Hz	380~415V/50Hz	380~415V/50Hz	380~415V/50Hz	380~415V/50Hz
ErP Level   35°C		A++	A++	A++	A++	A++	A++
Heating (A7°C/W35°C)	Heating Capacity	45.0kW	75.0kW	90.0kW	150.0kW	165.0kW	180.0kW
	Heating Input Power	11.97kW	21.07kW	25.64kW	42.25kW	46.22kW	51.72kW
	COP	3,76	3,56	3,51	3,55	3,58	3,48
Heating (A7°C/W55°C)	Heating Capacity	38.5kW	63.0kW	76.5kW	125.5kW	135.0kW	150.0kW
	Heating Input Power	14.86kW	24.23kW	29.4kW	48.25kW	51.72kW	57.91kW
	COP	2,59	2,60	2,60	2,55	2,61	2,59
Heating (A-12°C/W41°C)	Heating Capacity	31.5kW	48.0kW	62.0kW	95.0kW	110.0kW	125.0kW
	Heating Input Power	12.70kW	18.32kW	25kW	36.26kW	42.15kW	50.81kW
	COP	2,48	2,62	2,48	2,62	2,61	2,46
Cooling (A35°C/W7°C)	Cooling Capacity	33.0kW	58.0kW	70.0kW	120.0kW	130.0kW	145.0kW
	Cooling Input Power	11.87kW	20.35kW	24.82kW	42.4kW	46.26kW	51.79kW
	EER	2,78	2,85	2,82	2,83	2,81	2,80
Water Flowrate		5.7m³/h	9.4m³/h	11.3m³/h	20.7m³/h	22.4m³/h	25.1m³/h
Refrigerant Type		<b>R410a and R32</b>	<b>R410a and R32</b>	<b>R410a</b>			
Compressor Type		DC/1 set	DC/2 set	DC/2 set	DC/2 set	DC/2 set	DC/4 set
Fan Motor Type		AC/1 set	AC/2 set	AC/2 set	AC/2 set	AC/2 set	AC/2 set
Heating & Hot Water Temp		30 ~60°C					
Outdoor Temperature limit		-30 ~45°C					
Water Connection		DN40	DN50	DN50	DN65	DN65	DN65
Noise Level		64dB(A)	67dB(A)	69dB(A)	71dB(A)	71dB(A)	71dB(A)
Net Weight		305kg	515kg	532kg	1050kg	1115kg	1152kg
Net Dimension(L*W*H)		1000×1180×1938mm	1010×1950×2328mm	1230×1400×2328mm	1410×2250×2328mm	1410×2250×2328mm	1410×2250×2328mm

★According to EN14825, the data was tested in GSG approved AKL low temperature air to water heat pump laboratory.