



Scroll-type Water-cooled Packaged-type Air Conditioners

Specifications MADE IN TAIWAN

Name		Model		Duct Type
Power Supply 3ph , 380Vac , 50Hz				PWA-K1800MPF
Electric Characteristics Characteristics Characteristics Characteristics Running Current A 78.0			kW	
Type				
Type				
Starting Method IR	Characteristics		A	
Motor Output	Compressor			Scroll-type
Crankcase Heater W				
Oil Charge		Motor Output	kW	9.2 * 4
Refrigerant Type Control Method Capillary Tube Control Method Capillary Tube Control Method Capillary Tube Fan Type Fan Number Fan Number Fan Motor Output Fan Motor Output Fan Motor Output Fan Driving Method Rated Air Flow Fan Driving Method Fan Motor Fan Mo		Crankcase Heater		_
Control Method Capillary Tube		Oil Charge	C.C.	
Fan Type	Refrigerant	Type		R22
Evaporator Evaporator Fan Number Fan Motor Output Fan Driving Method Rated Air Flow Rated Air Flow Evaporator Coil Rows / Fins Per Inch Type Condenser Water Flow Rate Water Flow Rate Water Piping Torain (Bottom Outlet) Air Filter Fresh Air Intake Room Temperature Control Safety Devices Safety Devices Fan Motor Output kW 11.25 Belt 12.2 Belt 12		Control Method		Capillary Tube
Evaporator Evaporator Evaporator Rated Air Flow Extenal Static Pressure Evaporator Coil Rows / Fins Per Inch Ro	Evaporator	Fan Type		Double Suction Multi-blade Centrifugal Type
Fan Driving Method Rated Air Flow Extenal Static Pressure Evaporator Coil Rows / Fins Per Inch Rows / Fins P		Fan Number		2
Evaporator Rated Air Flow Pa 300 Finned-tube Type A / 12 (2sets) Type Shell & Tube Shell & Tube Shell & Tube Condenser Water Flow Rate m³/hr 37.5 Water Head Loss kPa 49.0 Cooling Water Inlet / Outlet inch 3B Drain (Upper Outlet) inch Drain (Bottom Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Room Temperature Control Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) Control Circuit Yes Control Circuit		Fan Motor Output	kW	11.25
Evaporator Rated Air Flow Pa 300 Finned-tube Type A / 12 (2sets) Type Shell & Tube Shell & Tube Shell & Tube Condenser Water Flow Rate m³/hr 37.5 Water Head Loss kPa 49.0 Cooling Water Inlet / Outlet inch 3B Drain (Upper Outlet) inch Drain (Bottom Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Room Temperature Control Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) Control Circuit Yes Control Circuit		Fan Driving Method		Belt
Extenal Static Pressure Pa 300			m ³ /min	450
Extenal Static Pressure Pa 300			ft ³ /min	15,885
Rows / Fins Per Inch Type Shell & Tube Water Flow Rate Water Head Loss Water Head Loss Water Piping Water Piping Water Piping Water Piping Water Piping Fresh Air Filter Fresh Air Intake Room Temperature Control Safety Devices Figh High-low pressure switch Fund Room Piping Room Temperature Source Find Motor Fusible Plug Control Circuit A / 12 (2sets) A /		Extenal Static Pressure		300
Condenser Type		Evaporator Coil		Finned-tube Type
Condenser Water Flow Rate m³/hr 37.5 Water Head Loss kPa 49.0 Cooling Water Inlet / Outlet inch 3B Drain (Upper Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector High-low pressure switch MPa (G) Fusible Plug Control Circuit 5A Fuse		Rows / Fins Per Inch		4 / 12 (2sets)
Water Head Loss kPa 49.0 Cooling Water Inlet / Outlet inch 3B Water Piping Drain (Upper Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) 2.2 / 0.07 Fusible Plug Yes Control Circuit 5A Fuse	Condenser	Type		Shell & Tube
Water Piping Cooling Water Inlet / Outlet inch 1B Drain (Upper Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) Fusible Plug Yes Control Circuit 5A Fuse		Water Flow Rate	m^3/hr	37.5
Water Piping Drain (Upper Outlet) inch 1B Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) Fusible Plug Control Circuit 5A Fuse		Water Head Loss	kPa	49.0
Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector High-low pressure switch MPa (G) 2.2 / 0.07 Fusible Plug Yes Control Circuit 5A Fuse	Water Piping	Cooling Water Inlet / Outlet	inch	3B
Drain (Bottom Outlet) inch 1B Air Filter Nylon Fiber Cleanable Type Fresh Air Intake From Both Side by Ducting Room Temperature Control Thermostat (2 stages) Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector High-low pressure switch MPa (G) 2.2 / 0.07 Fusible Plug Yes Control Circuit 5A Fuse		Drain (Upper Outlet)	inch	1B
Fresh Air Intake Room Temperature Control Compressor Motor Fan Motor Safety Devices High-low pressure switch Fusible Plug Control Circuit From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse			inch	1B
Fresh Air Intake Room Temperature Control Compressor Motor Fan Motor Safety Devices Finiter and Thermal Protector Fan Motor Fusible Plug Control Circuit From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse	Air Filter			Nylon Fiber Cleanable Type
Room Temperature Control Compressor Motor Fan Motor Safety Devices High-low pressure switch Fusible Plug Control Circuit Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse	Fresh Air Intake			
Compressor Motor Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Safety Devices High-low pressure switch MPa (G) Fusible Plug Control Circuit Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse	Room Temperature Control			
Fan Motor Internal Thermal Protector High-low pressure switch MPa (G) Fusible Plug Control Circuit Fan Motor Internal Thermal Protector 2.2 / 0.07 Yes 5A Fuse				
Fusible Plug Control Circuit Yes 5A Fuse				•
Control Circuit 5A Fuse		High-low pressure switch	MPa (G)	2.2 / 0.07
		Fusible Plug		Yes
		Control Circuit		5A Fuse
1101gii (1101 / 1 dokugod) 111111	Dimensions	Height (Net / Packaged)	mm	2060 / 2260
Depth (Net / Packaged) mm 1415 / 1465		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		
Weight (Net / Gross) kg 1350 / 1410	1 \			

Remarks:

- 1. The electric power supply must be in compliant with this table for each model. Any damage or failure caused by using power supply other than specified in this table is not covered in the warranty.
- 2. The cooling capacity is tested under the conditions specified in ISO. Operation conditions:Indoor side intake air temperature 27° C, wet bulb temperature 19° C; intake cooling water temperature 30° C, and outlet temperature 35° C.
- 3. Suitable temperature range: 21° C $\sim 31^{\circ}$ C.
- 4. For the continuous development, the specifications are subjected to modification without notice. The specification is in compliance with the product plate if the content and data altered. If you have any special requirment, please inform us before placing order.





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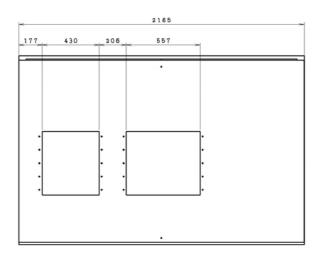
PWA-K1800MPF

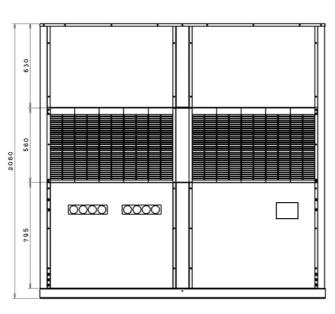
Duct Type

Cooling capacity: 180 kW

Power Supply: 3ph, 380Vac, 50Hz

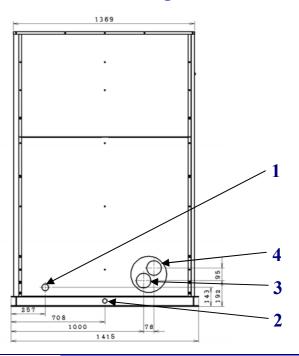
Dimensions: 2060H*2165W*1415D (mm)







- 1 φ52 Power Cable Hole
- 2 1B Drain Hole
- 3 3B Cooling Water Inlet
- 4 3B Cooling Water Outlet



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