



Screw-type Water-cooled Packaged-type Air Conditioners

Specifications MADE IN TAIWAN

FWA-K1/S0RS		Model	-	Duct Type
Power Supply			1 777	PWA-K1750RS
Electric Power Consumption kW 44.8			kW	
Characteristics Running Current A 72.0 Compressor Type Screw-type Motor Output kW 47.25 * 1 Crankcase Heater W — Oil Charge C.C. Minearl * 7.0 Refrigerant Type R22 Control Method Expansion Valve Fan Type Double Suction Multi-blade Centrifugal Type Fan Number 2 Fan Motor Output kW 11.25 Fan Motor Output kW 11.25 Fan Driving Method Belt Belt Evaporator Belt 11.25 Rated Air Flow m³/min 450 Extenal Static Pressure Pa 300 Extenal Static Pressure Pa 300 Evaporator Coil Finned-tube Type Rows / Fins Per Inch 4 / 12 (2sets) Type Shell & Tube Condenser Water Flow Rate m³/hr 37.5 Water Piping kWa 4-40,0 38			1 777	-
Type				
Starting Method W	Characteristics	_	Α	
Motor Output	Compressor			
Crankcase Heater				
Oil Charge				47.25 * 1
Type				-
Fan Type		Oil Charge	C.C.	
Fan Type	Refrigerant	Type		R22
Fan Number		Control Method		
Fan Number	Evaporator	Fan Type		Double Suction Multi-blade Centrifugal Type
Fan Driving Method Rated Air Flow m³/min 450 15,885 15		Fan Number		2
Evaporator Rated Air Flow m³/min 15,885 Extenal Static Pressure Pa 300 Evaporator Coil Finned-tube Type Rows / Fins Per Inch 4 / 12 (2sets) Type Shell & Tube		Fan Motor Output	kW	11.25
Extenal Static Pressure Evaporator Coil Finned-tube Type Rows / Fins Per Inch Condenser Water Flow Rate Water Head Loss Water Head Loss Water Piping Drain (Upper Outlet) Drain (Bottom Outlet) Fresh Air Intake Room Temperature Control Room Temperature Control Safety Devices Fished Height (Net / Packaged) Dimensions Finned-tube Type Finned-tube Type Shell & Tube A/ 12 (2sets) Shell & Tube 4 / 10 (2sets) Shell & Tube A / 10 (2sets) Internal The Internal The From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Shell & Tube A / 12 (2sets) Shell & Tube A / 10 (2sets) Internal The From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector Solver Current Relay Fan Motor Fusible Plug Control Circuit Shell & Tube A / 12 (2sets) Shell & Tube A / 10 (2sets) Internal Thermal Protector Solver Current Relay Fan Motor Internal Thermal Protector Solver Cur		Fan Driving Method		Belt
Extenal Static Pressure Evaporator Coil Finned-tube Type Rows / Fins Per Inch Condenser Water Flow Rate Water Head Loss Water Head Loss Water Piping Drain (Upper Outlet) Drain (Bottom Outlet) Fresh Air Intake Room Temperature Control Room Temperature Control Safety Devices Fished Height (Net / Packaged) Dimensions Finned-tube Type Finned-tube Type Shell & Tube A/ 12 (2sets) Shell & Tube 4 / 10 (2sets) Shell & Tube A / 10 (2sets) Internal The Internal The From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Fan Motor Internal Thermal Protector Shell & Tube A / 12 (2sets) Shell & Tube A / 10 (2sets) Internal The From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector Solver Current Relay Fan Motor Fusible Plug Control Circuit Shell & Tube A / 12 (2sets) Shell & Tube A / 10 (2sets) Internal Thermal Protector Solver Current Relay Fan Motor Internal Thermal Protector Solver Cur			m ³ /min	450
Extenal Static Pressure Pa 300			ft ³ /min	15,885
Evaporator Coil Finned-tube Type		Extenal Static Pressure		
Rows / Fins Per Inch				Finned-tube Type
Condenser Type				• • • • • • • • • • • • • • • • • • • •
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 Height (Net / Packaged) mm 2060 / 2260 Dimensions Width (Net / Packaged) mm 2165 / 2265	Condenser	Type		· /
Water Piping Cooling Water Inlet / Outlet inch 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 Height (Net / Packaged) mm 2060 / 2260 Dimensions Width (Net / Packaged) mm 2165 / 2265		Water Flow Rate	m^3/hr	37.5
Water Piping Drain (Upper Outlet) inch Drain (Bottom Outlet) inch 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 Height (Net / Packaged) mm 2060 / 2260 Dimensions Width (Net / Packaged) mm 2165 / 2265		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 Height (Net / Packaged) mm 2060 / 2260 Dimensions Width (Net / Packaged) mm 2165 / 2265	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 Height (Net / Packaged) mm 2060 / 2260 Dimensions Width (Net / Packaged) mm 2165 / 2265		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 Dimensions Fresh Air Intake From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Fusible Plug Yes Control Circuit 5A Fuse Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265			inch	1B
Fresh Air Intake Room Temperature Control Compressor Motor Fan Motor Safety Devices High-low pressure switch Fusible Plug Control Circuit Dimensions Fresh Air Intake From Both Side by Ducting Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Fusible Plug Yes Control Circuit 5A Fuse Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265	Air Filter			Nylon Fiber Cleanable Type
Room Temperature Control Compressor Motor Fan Motor Safety Devices High-low pressure switch Fusible Plug Control Circuit Dimensions Room Temperature Control Thermostat (2 stages) Internal Thermal Protector & Over Current Relay Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse Height (Net / Packaged) Thermostat (2 stages) Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse Height (Net / Packaged) Thermostat (2 stages) Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse Height (Net / Packaged) Thermostat (2 stages) Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse Height (Net / Packaged) Thermostat (2 stages) Internal Thermal Protector 2.2 / 0.07	Fresh Air Intake			
Compressor Motor Fan Motor Safety Devices High-low pressure switch Fusible Plug Control Circuit Dimensions Compressor Motor Internal Thermal Protector Internal Thermal Protector 2.2 / 0.07 Yes Control Circuit 5A Fuse Height (Net / Packaged) The motor of the moto	Room Temperature Control			
Fan Motor Internal Thermal Protector High-low pressure switch MPa (G) Fusible Plug Control Circuit Dimensions Fan Motor Internal Thermal Protector 2.2 / 0.07 Yes Yes Control Circuit 5A Fuse Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265				
Fusible Plug Yes				•
Control Circuit 5A Fuse Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265		High-low pressure switch	MPa (G)	2.2 / 0.07
Control Circuit 5A Fuse Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265		Fusible Plug		Yes
Height (Net / Packaged) mm 2060 / 2260 Width (Net / Packaged) mm 2165 / 2265				
Dimensions Width (Net / Packaged) mm 2165 / 2265	Dimensions		mm	
· · · · · · · · · · · · · · · · · · ·				
Depth (Net / Packaged) mm 1415 / 1465		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		
	Weight (Net / Gross)			

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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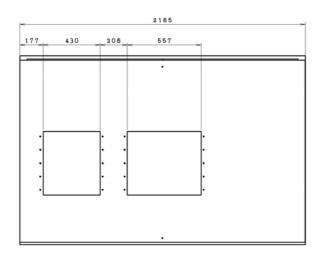
PWA-K1750RS

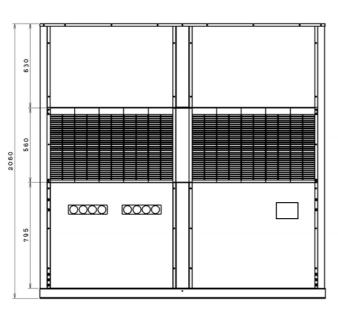
Duct Type

Cooling capacity: 175 kW

Power Supply: 3ph, 440Vac, 60Hz

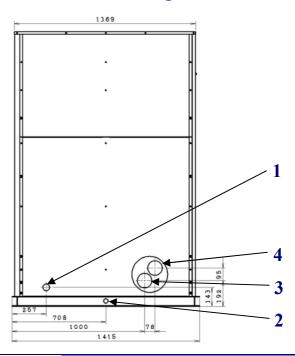
Dimensions: 2060H*2165W*1415D (mm)







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



TECO Electric & Machinery Co,. Ltd.

Commercial Air Conditioning System Business Division

Address: 10F, No.3-1, Yuan Cyu St., Nan-Kang, Taipei 115, Taiwan

TEL: 886-2-6615-9111 FAX: 886-2-6615-9018 E-mail: aircon@teco.com.tw



