

ATW UNIT

Booster Unit

PWFY-P VM-E-BU



► Specifications

Model			PWFY-P100VM-E-BU	
Power source			1-phase 220-230-240V 50 / 60Hz	
Heating capacity (Nominal)	*1	kW	12.5	
	*1	kcal/h	10,800	
	*1	BTU/h	42,700	
	Power input		kW	2.48
	Current input		A	11.63-11.12-10.66
Temp. range of heating	Outdoor unit/Heat source unit condition		W.B. -20~32°C (-4~90°F) R2-series	
			- 10~45°C (50~113°F) WR2-series	
	Booster unit inlet water temp.		- 10~70°C (50~158°F)	
Connectable outdoor unit/heat source unit	Total capacity		50~100% of outdoor unit/heat source unit capacity	
	Model / Quantity		R2 (Standard, Hi-COP), Replace R2, WR2 series only	
Sound pressure level (measured in anechoic room)			dB<A> 44	
Diameter of refrigerant pipe	Liquid	mm(in.)	ø9.52 (ø3/8") Brazed	
	Gas	mm(in.)	ø15.88 (ø5/8") Brazed	
Diameter of water pipe	Inlet	mm(in.)	PT3/4 Screw	
	Outlet	mm(in.)	PT3/4 Screw	
Field drain pipe size		mm(in.)	ø32 (1-1/4")	
External finish			NO	
External dimension H × W × D			mm 800 (785 without legs) × 450 × 300	
			in. 31-1/2" (30-15/16" without legs) × 17-3/4" × 11-13/16"	
Net weight		kg(lbs)	60 (133)	
Compressor	Type		Inverter rotary hermetic compressor	
	Maker		MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	1.0	
	Lubricant		NEO22	
Circulating water		Operation volume Range	m³/h 0.6~2.15	
Protection on internal circuit (R134a)	High pressure protection		High pressure sensor, High pressure switch at 3.60 MPa (601 psi)	
	Inverter circuit (COMP)		Over - heat protection, Over - current protection	
	Compressor		Discharge thermo protection, Over - current protection	
Refrigerant	Type × original charge	*2	R134a × 1.1kg (0.50lb)	
	Control		LEV	
Design pressure	R410A	MPa	4.15	
	R134a	MPa	3.60	
	Water	MPa	1.00	
Drawing	External		WKB94L762	
	Wiring		WKE94C229	
Standard attachment	Document		Installation Manual, Instruction Book	
	Accessory		Strainer, Heat insulation material, 2 × Connector sets	
Optional parts			NONE	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Notes:

*1 Nominal heating conditions

<R2-series>

Outdoor Temp. : 7°CDB/6°CWB (45°FDB / 43°FWB)
 Pipe length : 7.5 m (24-9/16 ft)
 Level difference : 0m (0ft)
 Inlet water Temp 65°C Water flow rate 2.15m³/h

<WR2-series>

Circulating water Temp. : 20°C (68°F)
 Pipe length : 7.5 m (24-9/16 ft)
 Level difference : 0m (0ft)
 Inlet water Temp 65°C Water flow rate 2.15m³/h

*2 Do not use refrigerant other than the type indicated in the manuals provided with the unit and on the nameplate.

- Doing so may cause the unit or pipes to burst, or result in explosion or fire during use, during repair, or at the time of disposal of the unit.
- It may also be in violation of applicable laws.
- MITSUBISHI ELECTRIC CORPORATION cannot be held responsible for malfunctions or accidents resulting from the use of the wrong type of refrigerant.

* Due to continuing improvement, the above specifications may be subject to change without notice.

* The unit is not designed for outside installations.

* Please don't use the steel material for the water piping material.

* Please always make water circulate or add the brine to the circulation water when the ambient temperature becomes 0°C (32°F) or less.

* Please always make water circulate or pull out the circulation water completely when not using it.

* Please do not use groundwater and well water.

* Install the unit in an environment where the wet bulb Temp. will not exceed 32°C (90°F).

* The water circuit must use the closed circuit.

* Please do not use it as a drinking water.