

2. SPECIFICATIONS

AIR TO WATER

PW-FY-P100VM-E1-BU

Model			PWFFY-P100VM-E1-BU
Power source			1-phase 220-230-240V 50Hz
Heating capacity (Nominal)	*1	kW	12.5
	*1	BTU / h	42,700
	Power input	kW	2.48
	Current input	A	11.63 - 11.12 - 10.66
Temp. range of heating	for outdoor unit	W.B	-20~32°C (-4~90°F) R2-Series
	for heat source unit	-	10~45°C (50~113°F) WR2-Series
	for PWFFY	-	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-Series R2-Series (High efficiency) WR2-Series	
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.)	R3/4
	Outlet	mm(in.)	Rc3/4
Field drain pipe size		mm(in.)	ø32 (1-1/4")
External finish		NO	
External dimension H × W × D		mm	848 (833 without legs) × 450 × 300
		in.	33-7/16" (32-13/16" without legs) × 17-3/4" × 11-13/16"
Net weight		kg(lbs)	63 (138)
Compressor	Type	Inverter rotary hermetic compressor	
	Maker	MITSUBISHI ELECTRIC CORPORATION	
	Starting method	Inverter	
	Motor output	kW	1.0
	Lubricant	NEO22	
Circulating water	Operation volume	m³/h	0.6~2.15
	Range		
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		R134a × 1.1kg (0.50lbs)
	Control		LEV
Design pressure	R410a	MPa	4.15
	R134a	MPa	3.60
	Water	MPa	1.00
Drawing	External	WKB94C7Q4	
	Wiring	WKE94L369	
Standard attachment	Document	Installation Manual, Instruction Book	
	Accessory	Strainer, Heat insulation material, wire × 1 set	
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.	
Note: *1 Nominal heating conditions (PWFFY conditions are indicated in the parentheses.) <R2-Series> Outdoor temp. : 7°CDB/6°CWB (45°FDB / 43°FWB) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0 m (0 ft) (Inlet water temp. 65°C Water flow rate 2.15 m³/h) * Due to continuing improvement, the above specifications may be subject to change without notice. * The unit is not designed for outside installations. * Please do not 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 or less. * Please always make water circulate or pull out the circulation water completely when not using it. * Please do not use ground water and well water.			Unit converter BTU/h = kW × 3,412 cfm = m³/min x 35.31 lbs = kg / 0.4536 * The specification data is subject to rounding variation.
<WR2-Series> Circulating water temp. : 20°C (68°F) Pipe length : 7.5 m (24-9/16 ft) Level difference : 0 m (0 ft) (Inlet water temp. for PWFFY side 65°C Water flow rate 2.15 m³/h) * Install the outdoor unit (R2-Series) in an environment where the wet bulb temp. will not exceed 32°C. * The water circuit must use the closed circuit. * Please do not use it as a drinking water.			