

1.1 Outdoor unit specifications

(1) Packaged-type units

MODEL NAME			PUZ-WM50VHA(-BS)	PUZ-WM60VAA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			1φ, 230 V, 50 Hz	1φ, 230 V, 50 Hz
	Max. Current	A	13.0	13.0
Braker size		A	16	16
Outer casing			Galvanized plate	Galvanized plate
External finish			Munsell N8.75, N2.75 (FRONT PANEL)	Munsell N8.75, N2.75 (FRONT PANEL)
Refrigerant control			Linear expansion valve	Linear expansion valve
Compressor			Hermetic twin rotary	Hermetic twin rotary
	Model		SVB130FBBMC-L3	SVB220FEGMC-L1
	Motor output	kW	0.9	1.5
	Start type		Inverter	Inverter
	Protection devices		HP switch Discharge thermo Comp. Surface thermo Over current detection	HP switch Discharge thermo Comp. Surface thermo Over current detection
	Oil (Model)	L	0.6 (FW68S)	0.6 (FW68S)
Crankcase heater			-	-
Heat exchanger	Air		Plate fin coil	Plate fin coil
	Water		Plate heat exchanger	Plate heat exchanger
Fan	Fan(drive) x No.		Propeller fan ×1	Propeller fan ×1
	Fan motor output	kW	0.074	0.074
	Air flow	m ³ /min (CFM)	36 (1270)	44 (1550)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating	dB	52	45
	Cooling	dB	52	45
Noise level (PWL)	Heating	dB	61	58
Dimensions	Width	mm(in)	950 (37-3/8)	1050 (41-5/16)
	Depth	mm(in)	330+30 (13-1-3/16)	480 (18-7/8)
	Height	mm(in)	943 (37-1/8)	1020 (40-3/16)
Weight		kg(lbs)	71 (157)	98 (216)
Refrigerant (GWP)			R32	R32
	Chargeless	kg	2.0 (4.4)	2.2 (4.9)
	MAX.	kg	-	-
Pipe size O.D.	Liquid	mm(in)	-	-
	Gas	mm(in)	-	-
Connection method			Water Connect	Water Connect
Between the indoor & outdoor unit	Height difference	m	-	-
	Piping length	m	-	-
Guaranteed operating range (Outdoor)	Heating	°C	-20 to +24	-20 to +24
	DHW	°C	-20 to +35	-20 to +35
	Cooling	°C	+10 to +46	+10 to +46
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	+5	+5
Nominal return water temperature range	Heating	°C	+9 to +59	+9 to +59
	Cooling	°C	+8 to +28	+8 to +28
Water Flow rate range		L/min	6.5 to 14.3	8.6 to 17.2

MODEL NAME			PUZ-WM85VAA(-BS)	PUZ-WM85YAA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			1φ, 230 V, 50 Hz	3φ, 400 V, 50 Hz
	Max. Current	A	22.0	11.5
Braker size		A	25	16
Outer casing			Galvanized plate	Galvanized plate
External finish			Munsell N8.75, N2.75 (FRONT PANEL)	Munsell N8.75, N2.75 (FRONT PANEL)
Refrigerant control			Linear expansion valve	Linear expansion valve
Compressor			Hermetic twin rotary	Hermetic twin rotary
	Model		SVB220FEGMC-L1	SVB220FEAMC-L1
	Motor output	kW	1.5	1.5
	Start type		Inverter	Inverter
	Protection devices		HP switch Discharge thermo Comp. Surface thermo Over current detection	HP switch Discharge thermo Comp. Surface thermo Over current detection
	Oil (Model)	L	0.6 (FW68S)	0.6 (FW68S)
Crankcase heater			-	-
Heat exchanger	Air		Plate fin coil	Plate fin coil
	Water		Plate heat exchanger	Plate heat exchanger
Fan	Fan(drive) x No.		Propeller fan ×1	Propeller fan ×1
	Fan motor output	kW	0.074	0.074
	Air flow	m ³ /min (CFM)	44 (1550)	44 (1550)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating	dB	45	45
	Cooling	dB	45	45
Noise level (PWL)	Heating	dB	58	58
Dimensions	Width	mm(in)	1050 (41-5/16)	1050 (41-5/16)
	Depth	mm(in)	480 (18-7/8)	480 (18-7/8)
	Height	mm(in)	1020 (40-3/16)	1020 (40-3/16)
Weight		kg(lbs)	98 (216)	111 (245)
Refrigerant (GWP)			R32	R32
	Chargeless	kg	2.2 (4.9)	2.2 (4.9)
	MAX.	kg	-	-
Pipe size O.D.	Liquid	mm(in)	-	-
	Gas	mm(in)	-	-
Connection method			Water Connect	Water Connect
Between the indoor & outdoor unit	Height difference	m	-	-
	Piping length	m	-	-
Guaranteed operating range (Outdoor)	Heating	°C	-20 to +24	-20 to +24
	DHW	°C	-20 to +35	-20 to +35
	Cooling	°C	+10 to +46	+10 to +46
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	+5	+5
Nominal return water temperature range	Heating	°C	+9 to +59	+9 to +59
	Cooling	°C	+8 to +28	+8 to +28
Water Flow rate range		L/min	10.8 to 24.4	10.8 to 24.4

MODEL NAME			PUZ-WM112VAA(-BS)	PUZ-WM112YAA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			1φ, 230 V, 50 Hz	3φ, 400 V, 50 Hz
	Max. Current	A	28.0	13.0
Braker size		A	32	16
Outer casing			Galvanized plate	Galvanized plate
External finish			Munsell N8.75, N2.75 (FRONT PANEL)	Munsell N8.75, N2.75 (FRONT PANEL)
Refrigerant control			Linear expansion valve	Linear expansion valve
Compressor			Hermetic scroll	Hermetic scroll
	Model		DVB28FBAMT	DVB28FBBMT
	Motor output	kW	2.2	2.2
	Start type		Inverter	Inverter
	Protection devices		HP switch Discharge thermo Comp. Surface thermo Over current detection	HP switch Discharge thermo Comp. Surface thermo Over current detection
	Oil (Model)	L	0.9 (FW68S)	0.9 (FW68S)
Crankcase heater			-	-
Heat exchanger	Air		Plate fin coil	Plate fin coil
	Water		Plate heat exchanger	Plate heat exchanger
Fan	Fan(drive) x No.		Propeller fan ×1	Propeller fan ×1
	Fan motor output	kW	0.200	0.200
	Air flow	m ³ /min (CFM)	50 (1760)	50 (1760)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating	dB	47	47
	Cooling	dB	49	49
Noise level (PWL)	Heating	dB	60	60
Dimensions	Width	mm(in)	1050 (41-5/16)	1050 (41-5/16)
	Depth	mm(in)	480 (18-7/8)	480 (18-7/8)
	Height	mm(in)	1020 (40-3/16)	1020 (40-3/16)
Weight		kg(lbs)	119 (262)	132 (291)
Refrigerant (GWP)			R32	R32
	Chargeless	kg	3.0 (6.7)	3.0 (6.7)
	MAX.	kg	-	-
Pipe size O.D.	Liquid	mm(in)	-	-
	Gas	mm(in)	-	-
Connection method			Water Connect	Water Connect
Between the indoor & outdoor unit	Height difference	m	-	-
	Piping length	m	-	-
Guaranteed operating range (Outdoor)	Heating	°C	-25 to +24	-25 to +24
	DHW	°C	-25 to +35	-25 to +35
	Cooling	°C	+10 to +46	+10 to +46
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	+5	+5
Nominal return water temperature range	Heating	°C	+9 to +59	+9 to +59
	Cooling	°C	+8 to +28	+8 to +28
Water Flow rate range		L/min	14.4 to 32.1	14.4 to 32.1

MODEL NAME			PUZ-HWM140VHA(-BS)	PUZ-HWM140YHA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			1φ, 230V, 50Hz	3φ, 400V, 50Hz
	Max. Current	A	35.0	13.0
Braker size		A	40	16
Outer casing			Galvanized plate	Galvanized plate
External finish			Munsell: N8.75, 3Y 7.8/1.1	Munsell: N8.75, 3Y 7.8/1.1
Refrigerant control			Linear expansion valve	Linear expansion valve
Compressor			Hermetic scroll	Hermetic scroll
	Model		AVB36FJDMT	AVB36FJCMT
	Motor output	kW	3.67	3.75
	Start type		Inverter	Inverter
	Protection devices		HP switch Discharge thermo Comp. Surface thermo Over current detection	HP switch Discharge thermo Comp. Surface thermo Over current detection
	Oil (Model)	L	1.4 (FW68S)	1.4 (FW68S)
Crankcase heater			-	-
Heat exchanger	Air		Plate fin coil	Plate fin coil
	Water		Plate heat exchanger	Plate heat exchanger
Fan	Fan(drive) x No.		Propeller fan ×2	Propeller fan ×2
	Fan motor output	kW	0.074 ×2	0.074 ×2
	Air flow	m ³ /min (CFM)	100 (3530)	100 (3530)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating	dB	53	53
	Cooling	dB	53	53
Noise level (PWL)	Heating	dB	67	67
Dimensions	Width	mm(in)	1020 (40-3/16)	1020 (40-3/16)
	Depth	mm(in)	330+30 (13-1-3/16)	330+30 (13-1-3/16)
	Height	mm(in)	1350 (53-1/8)	1350 (53-1/8)
Weight		kg(lbs)	132 (291)	143 (315)
Refrigerant (GWP)			R32 (675)	R32 (675)
	Chargeless	kg	3.3 (7.3)	3.3 (7.3)
	MAX.	kg	-	-
Pipe size O.D.	Liquid	mm(in)	-	-
	Gas	mm(in)	-	-
Connection method			Water Connect	Water Connect
Between the indoor & outdoor unit	Height difference	m	-	-
	Piping length	m	-	-
Guaranteed operating range (Outdoor)	Heating	°C	-28 to +21	-28 to +21
	DHW	°C	-28 to +35	-28 to +35
	Cooling	°C	+10 to +46	+10 to +46
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	+5	+5
Nominal return water temperature range	Heating	°C	+9 to +59	+9 to +59
	Cooling	°C	+8 to +28	+8 to +28
Water Flow rate range		L/min	17.9 to 40.1	17.9 to 40.1