

1 Specifications

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	L	0.6	0.6
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	m³/min (CFM)	44 (1550)	44 (1550)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating *1	dBA	45 *3	45 *3
	Cooling *2	dBA	45 *3	45 *3
Noise level (PWL) (Based on EN12102:2013)	Heating	dBA	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			R32	R32
	Chargeless	kg(lbs)	2.2 (4.9)	2.2 (4.9)
	MAX.	kg(lbs)	-	-
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 *4	+9 to +59 *4
	Cooling	°C	+8 to +28 *4	+8 to +28 *4
Water Flow rate range		L/min	10.8 to 24.4	10.8 to 24.4

*1 Heating: Dry-bulb temperature 7°C, Wet-bulb temperature 6°C

*2 Cooling: Dry-bulb temperature 35°C

*3 For measurement conditions, see the Section "6 Noise criterion curves".

*4 Due to the water quantity of system. See the graph of Section "1.4 Available range".

1 Specifications

1.2 Capacity

Based on EN14511-1:2018, EN14511-2:2018, EN14511-3:2018 and EN14511-4:2018.

(1) Packaged-type units

MODEL NAME			PUZ-WZ50VAA(-BS)	PUZ-WZ60VAA(-BS)	PUZ-WZ80VAA(-BS)
Heating (A7/W35)	Capacity	kW	4.00	5.00	6.00
	COP		5.10	5.00	4.70
	Power input	kW	0.78	1.00	1.28
	Test condition flow rate	L/min	11.5	14.3	17.2
Heating (A2/W35)	Capacity	kW	5.00	6.00	8.00
	COP		3.15	3.10	3.05
	Power input	kW	1.59	1.94	2.62
	Test condition flow rate	L/min	14.3	17.2	22.9
Pressure difference (Water circuit)		kPa	13	19	18
Heating pump input (Based on EN14511)		kW	0.017	0.023	0.022
Cooling (A35/W7)	Capacity	kW	3.20	3.60	4.00
	EER (COP)		3.10	2.90	2.70
	Power input	kW	1.03	1.24	1.48
	Test condition flow rate	L/min	9.2	10.3	11.5
Cooling (A35/W18)	Capacity	kW	4.20	4.60	5.00
	EER (COP)		3.20	3.00	2.80
	Power input	kW	0.35	0.35	0.35
	Test condition flow rate	L/min	12.0	13.2	14.3
Pressure difference (Water circuit)		kPa	9	11	9
Cooling pump input (Based on EN14511)		kW	0.013	0.015	0.013
Recommended plate heat exchanger			Built-in	Built-in	Built-in

Note: "COP" and "Power input" in the above table are values that contains the "pump input (Based on EN 14511)".

MODEL NAME			PUZ-WM50VHA(-BS)	PUZ-WM60VAA(-BS)	PUZ-WM85VAA(-BS)
Heating (A7/W35)	Capacity	kW	4.00	5.00	6.50
	COP		5.20	5.10	4.90
	Power input	kW	0.77	0.98	1.33
	Test condition flow rate	L/min	11.5	14.3	18.6
Heating (A2/W35)	Capacity	kW	5.00	6.00	8.50
	COP		3.70	3.75	3.51
	Power input	kW	1.35	1.60	2.42
	Test condition flow rate	L/min	14.3	17.2	24.4
Pressure difference (Water circuit)		kPa	12	8	15
Heating pump input (Based on EN14511)		kW	0.010	0.008	0.020
Cooling (A35/W7)	Capacity	kW	4.00	5.00	6.50
	EER (COP)		3.40	3.40	3.30
	Power input	kW	1.18	1.47	1.97
	Test condition flow rate	L/min	11.5	14.3	18.6
Cooling (A35/W18)	Capacity	kW	4.00	5.00	6.50
	EER (COP)		5.00	4.50	5.00
	Power input	kW	0.80	1.11	1.30
	Test condition flow rate	L/min	11.5	14.3	18.6
Pressure difference (Water circuit)		kPa	10	8	11
Cooling pump input (Based on EN14511)		kW	0.010	0.008	0.014
Recommended plate heat exchanger			Built-in	Built-in	Built-in

Note: "COP" and "Power input" in the above table are values that contains the "pump input (Based on EN 14511)".

1 Specifications

MODEL NAME			PUZ-WM85YAA(-BS)	PUZ-WM112VAA(-BS)	PUZ-WM112YAA(-BS)
Heating (A7/W35)	Capacity	kW	6.50	9.00	9.00
	COP		4.90	4.70	4.70
	Power input	kW	1.33	1.91	1.91
	Test condition flow rate	L/min	18.6	25.8	25.8
Heating (A2/W35)	Capacity	kW	8.50	11.20	11.20
	COP		3.51	3.44	3.44
	Power input	kW	2.42	3.26	3.26
	Test condition flow rate	L/min	24.4	32.1	32.1
Pressure difference (Water circuit)		kPa	15	24	24
Heating pump input (Based on EN14511)		kW	0.020	0.043	0.043
Cooling (A35/W7)	Capacity	kW	6.50	9.00	9.00
	EER (COP)		3.30	3.30	3.30
	Power input	kW	1.97	2.73	2.73
	Test condition flow rate	L/min	18.6	25.8	25.8
Cooling (A35/W18)	Capacity	kW	6.50	9.00	9.00
	EER (COP)		5.00	4.90	4.90
	Power input	kW	1.30	1.84	1.84
	Test condition flow rate	L/min	18.6	25.8	25.8
Pressure difference (Water circuit)		kPa	11	20	20
Cooling pump input (Based on EN14511)		kW	0.014	0.032	0.032
Recommended plate heat exchanger			Built-in	Built-in	Built-in

Note: "COP" and "Power input" in the above table are values that contains the "pump input (Based on EN 14511) ".

MODEL NAME			PUZ-HWM140VHA(-BS)	PUZ-HWM140YHA(-BS)
Heating (A7/W35)	Capacity	kW	12.00	12.00
	COP		4.50	4.50
	Power input	kW	2.67	2.67
	Test condition flow rate	L/min	34.4	34.4
Heating (A2/W35)	Capacity	kW	14.00	14.00
	COP		3.15	3.15
	Power input	kW	4.44	4.44
	Test condition flow rate	L/min	40.1	40.1
Pressure difference (Water circuit)		kPa	9	9
Heating pump input (Based on EN14511)		kW	0.020	0.020
Cooling (A35/W7)	Capacity	kW	11.90	11.90
	EER (COP)		3.00	3.00
	Power input	kW	3.97	3.97
	Test condition flow rate	L/min	34.1	34.1
Cooling (A35/W18)	Capacity	kW	11.10	11.10
	EER (COP)		4.10	4.10
	Power input	kW	2.71	2.71
	Test condition flow rate	L/min	31.8	31.8
Pressure difference (Water circuit)		kPa	7	7
Cooling pump input (Based on EN14511)		kW	0.020	0.020
Recommended plate heat exchanger			Built-in	Built-in

Note: "COP" and "Power input" in the above table are values that contains the "pump input (Based on EN 14511) ".

1 Specifications

1.3 Maximum outlet water temperature

(1) Packaged-type units

PUZ-WZ50VAA(-BS)

PUZ-WZ60VAA(-BS)

PUZ-WZ80VAA(-BS)

PUZ-WM50VHA(-BS)

PUZ-WM60VAA(-BS)

PUZ-WM85VAA(-BS)

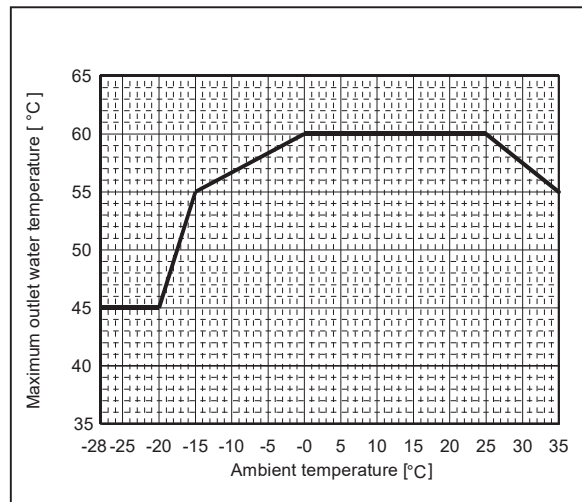
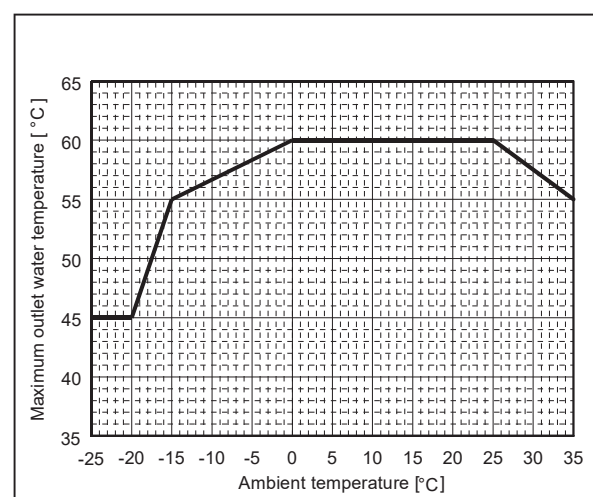
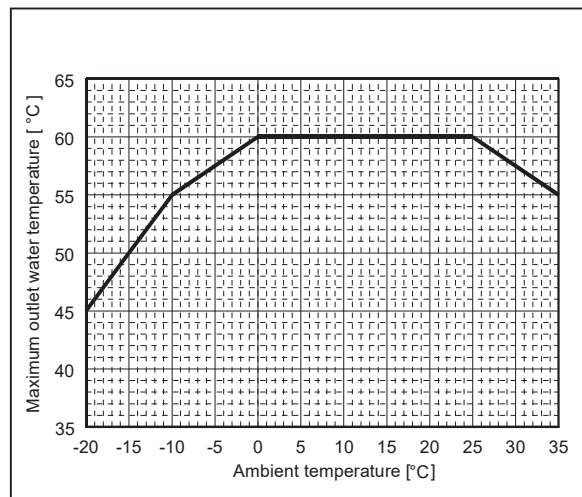
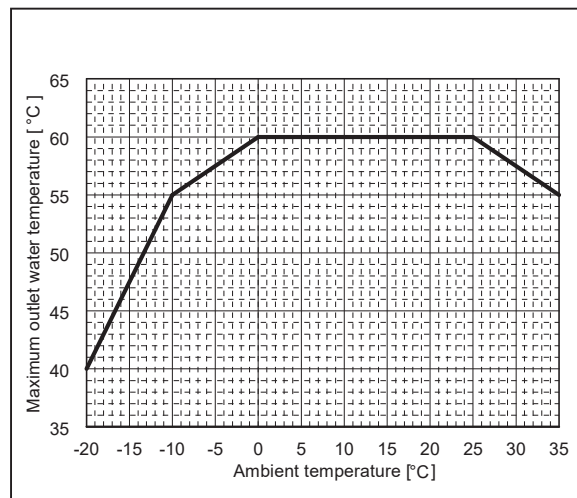
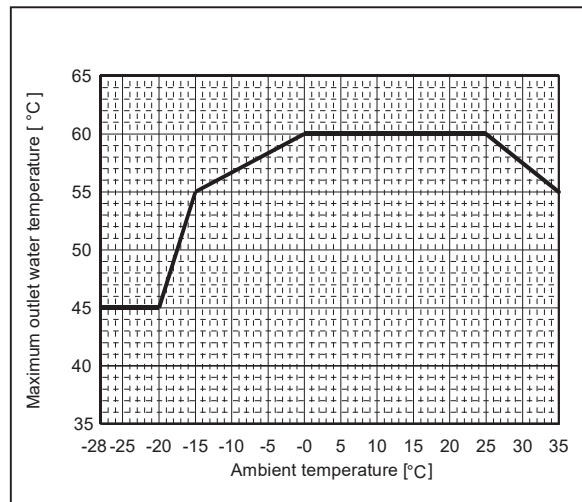
PUZ-WM85YAA(-BS)

PUZ-WM112VAA(-BS)

PUZ-WM112YAA(-BS)

PUZ-HWM140VHA(-BS)

PUZ-HWM140YHA(-BS)



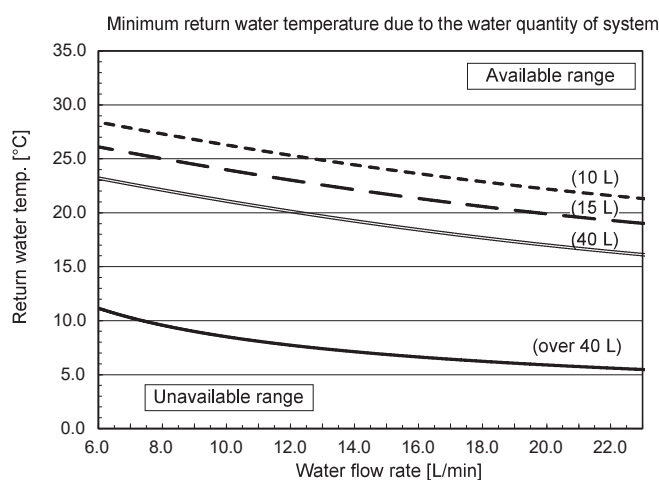
1 Specifications

1.4 Available range (Water flow rate, return water temp.)

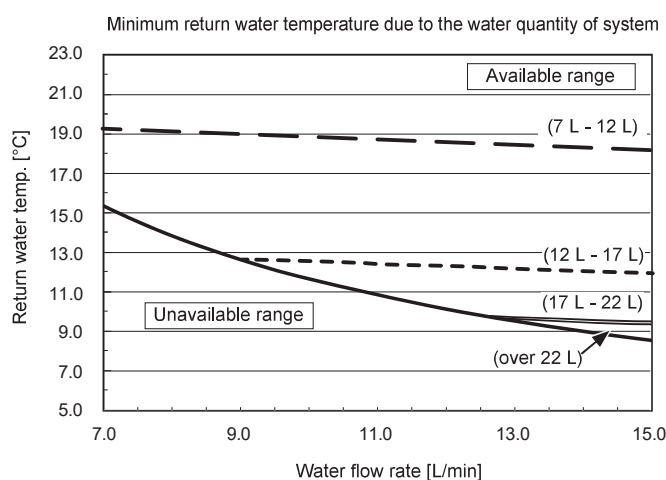
(1) Packaged-type units

■ Heating

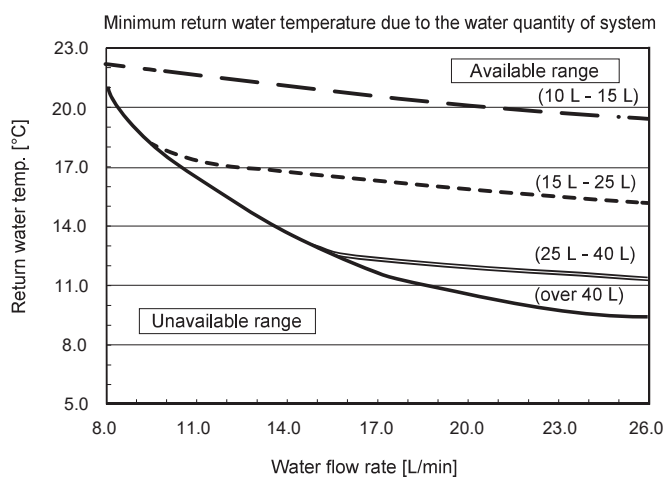
PUZ-WZ50VAA(-BS) PUZ-WZ60VAA(-BS) PUZ-WZ80VAA(-BS)



PUZ-WM50VHA(-BS)



PUZ-WM60VAA(-BS) PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)



Note:

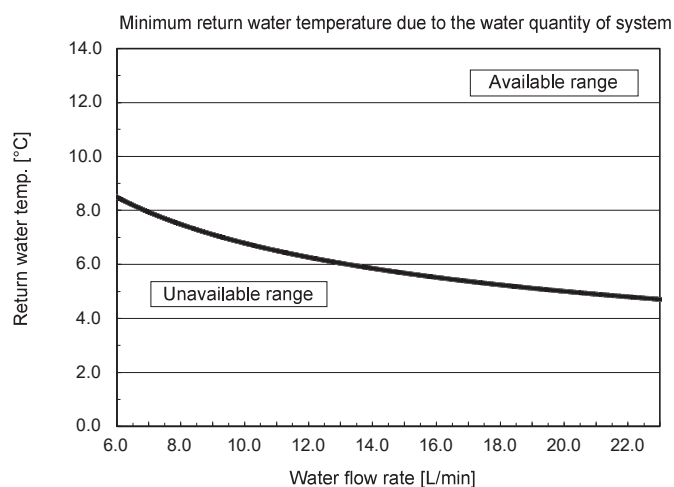
Be sure to avoid the unavailable range during defrosting.

Otherwise, the outdoor unit is insufficiently defrosted and/or the heat exchanger of the indoor unit may freeze.

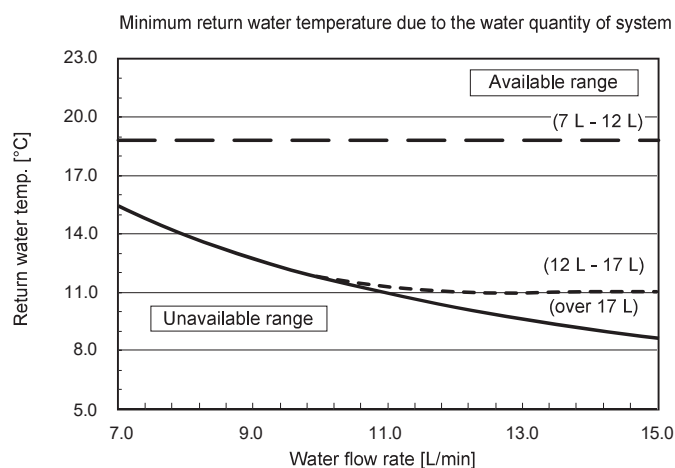
1 Specifications

Cooling

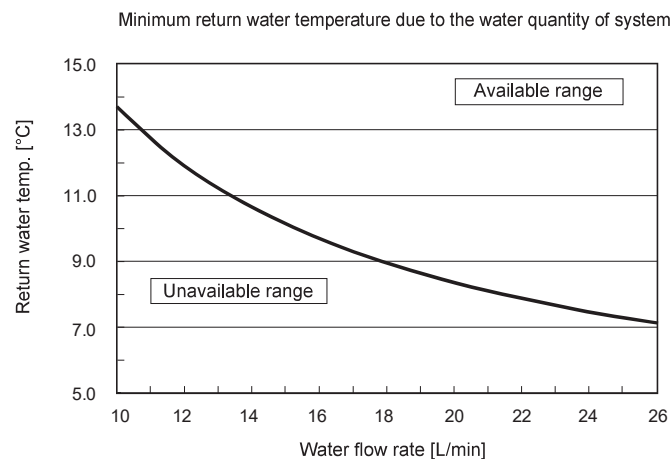
PUZ-WZ50VAA(-BS) PUZ-WZ60VAA(-BS) PUZ-WZ80VAA(-BS)



PUZ-WM50VHA(-BS)



PUZ-WM60VAA(-BS) PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)

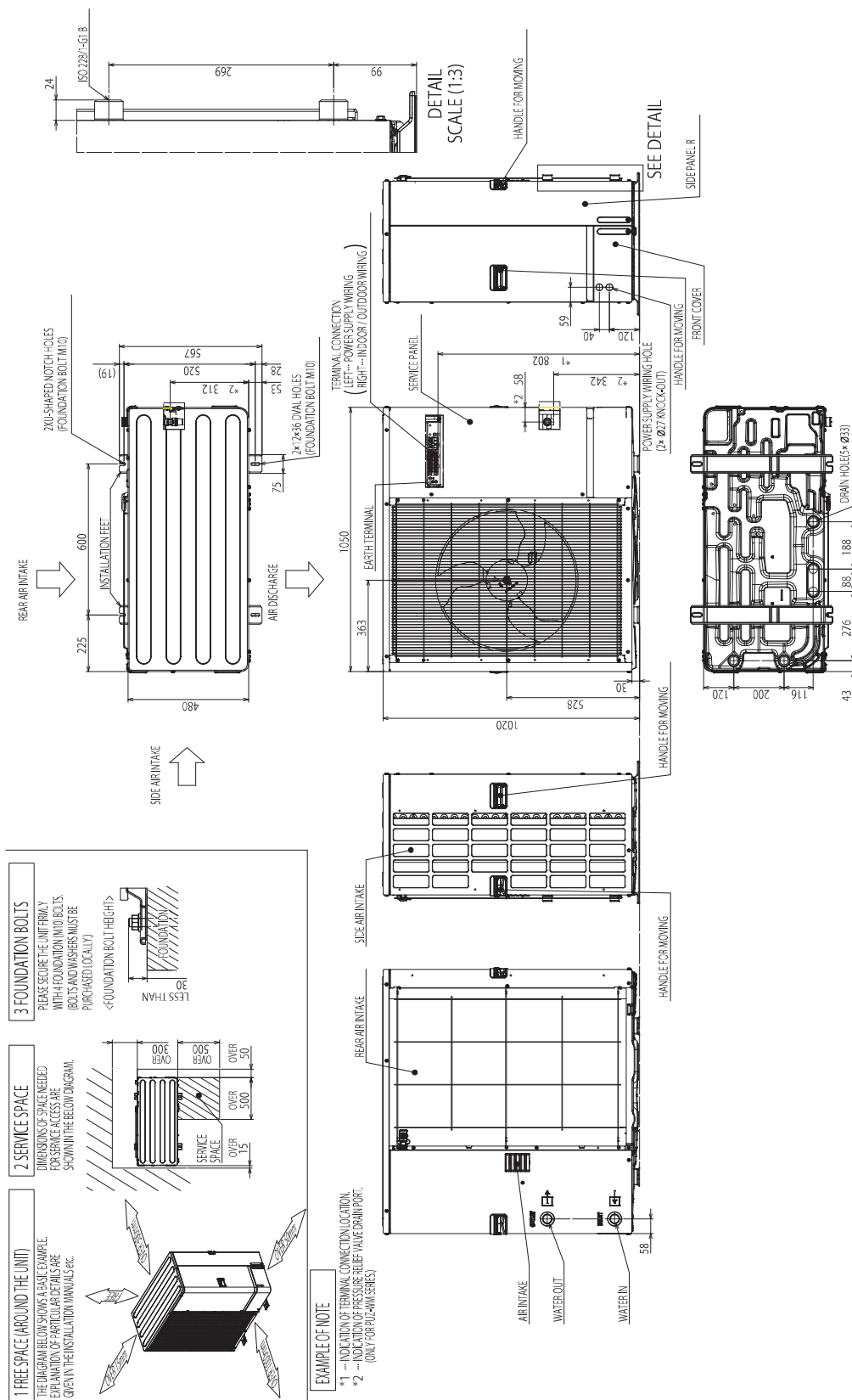


Note:
 Be sure to avoid the unavailable range during defrosting.
 Otherwise, the outdoor unit is insufficiently defrosted and/or the heat exchanger of the indoor unit may freeze.

2 Outlines and dimensions

Unit : mm

- PUZ-WM60VAA(-BS)
- PUZ-WM85VAA(-BS)
- PUZ-WM85YAA(-BS)
- PUZ-WM112VAA(-BS)
- PUZ-WM112YAA(-BS)



5 Performance data

Water outlet temperature [°C]			7		18	
Model	Ambient temperature [°C]		Capacity	COP	Capacity	COP
PUZ-WM50VHA(-BS)	Max	35	4.5	3.40	6.9	4.16
		30	5.3	3.60	7.1	4.46
		25	4.9	3.64	6.7	4.62
		20	4.8	3.40	6.2	3.74
	Partload1	35	4.5	3.40	4.5	5.00
		30	4.5	3.62	4.5	5.40
		25	4.5	4.06	4.5	6.30
		20	4.0	4.31	4.0	6.31
	Partload2	35	3.6	3.69	3.6	5.40
		30	3.6	3.80	3.6	5.69
		25	3.6	4.11	3.6	6.23
		20	3.6	3.89	3.6	5.88
	Min	35	1.9	4.01	2.6	5.66
		30	2.0	4.69	2.7	6.38
		25	2.1	5.46	2.8	7.28
		20	2.1	5.82	2.8	7.37
PUZ-WM60VAA(-BS)	Max	35	6.0	3.30	8.4	3.51
		30	6.3	3.73	8.7	3.98
		25	6.0	3.32	8.2	3.25
		20	6.0	3.02	7.6	2.75
	Partload1	35	6.0	3.30	6.0	4.45
		30	6.0	3.89	6.0	6.42
		25	6.0	3.32	6.0	6.24
		20	6.0	3.02	6.0	5.93
	Partload2	35	4.8	3.84	4.8	4.88
		30	4.8	4.53	4.8	6.92
		25	4.8	4.33	4.8	7.20
		20	4.8	4.07	4.8	7.31
	Min	35	2.3	4.58	3.2	5.46
		30	2.4	5.54	3.3	6.82
		25	2.5	5.68	3.4	7.72
		20	2.6	5.54	3.4	8.41
PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)	Max	35	7.5	3.15	10.5	3.87
		30	7.9	3.56	10.9	4.38
		25	7.5	3.17	10.2	3.58
		20	7.2	2.88	9.5	3.03
	Partload1	35	7.5	3.15	7.5	4.90
		30	7.5	3.71	7.5	7.07
		25	7.5	3.17	7.5	6.87
		20	7.2	2.88	7.5	6.53
	Partload2	35	6.0	3.66	6.0	5.38
		30	6.0	4.33	6.0	7.62
		25	6.0	4.13	6.0	7.93
		20	6.0	3.89	6.0	8.05
	Min	35	2.3	4.38	3.2	6.01
		30	2.4	5.29	3.3	7.51
		25	2.5	5.43	3.4	8.50
		20	2.6	5.29	3.4	9.26
PUZ-WM112VAA(-BS) PUZ-WM112YAA(-BS)	Max	35	10.0	3.30	13.9	3.98
		30	10.6	3.91	14.8	4.67
		25	10.4	3.72	14.1	4.18
		20	10.1	3.44	13.4	3.63
	Partload1	35	10.0	3.30	10.0	4.90
		30	10.0	4.14	10.0	5.83
		25	10.0	3.92	10.0	5.81
		20	10.0	3.49	10.0	5.48
	Partload2	35	8.0	3.80	8.0	5.04
		30	8.0	4.57	8.0	5.94
		25	8.0	4.66	8.0	6.27
		20	8.0	4.58	8.0	6.27
	Min	35	2.8	3.00	4.1	4.91
		30	3.0	3.45	4.3	5.79
		25	3.1	4.09	4.3	6.81
		20	3.2	4.51	4.4	7.44

5 Performance data

Outdoor unit

■ PUZ-WM60VAA(-BS)

Water outlet temperature [°C]		25		35		40		45		50		55		60	
Ambient temperature [°C]		Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max	-20	-	-	3.7	2.20	3.6	1.85	3.6	1.55	-	-	-	-	-	-
	-15	-	-	5.3	2.70	5.2	2.30	5.1	1.95	5.1	1.95	-	-	-	-
	-10	6.3	3.10	6.2	2.80	6.1	2.50	6.0	2.20	5.9	2.00	5.7	1.80	-	-
	-7	6.9	3.25	6.6	2.95	6.3	2.65	6.0	2.40	6.0	2.20	6.0	2.05	-	-
	2	7.3	3.65	7.1	3.40	6.9	3.15	6.7	2.90	6.8	2.60	6.9	2.39	7.0	2.15
	7	8.4	5.30	7.9	4.80	7.4	4.30	6.9	3.85	7.0	3.30	7.1	2.80	7.1	2.50
	12	8.1	5.30	7.8	4.85	7.5	4.40	7.2	3.95	7.3	3.45	7.4	2.95	7.5	2.60
	15	9.0	5.60	8.6	5.15	8.2	4.70	7.8	4.25	7.9	3.70	8.0	3.15	8.1	2.80
Partload1	20	9.7	6.25	9.4	5.65	9.1	5.05	8.8	4.50	8.9	3.95	9.1	3.45	9.2	3.10
	-20	-	-	3.7	2.20	3.6	1.85	-	-	-	-	-	-	-	-
	-15	-	-	5.3	2.70	5.2	2.30	5.1	1.95	-	-	-	-	-	-
	-10	6.0	3.20	6.0	2.85	6.0	2.50	6.0	2.20	5.9	2.00	5.7	1.80	-	-
	-7	6.0	3.60	6.0	3.20	6.0	2.80	6.0	2.40	6.0	2.20	6.0	2.05	-	-
	2	6.0	4.10	6.0	3.75	6.0	3.40	6.0	3.06	6.0	2.75	6.0	2.45	5.9	2.20
	7	6.0	5.67	6.0	5.06	6.0	4.45	6.0	3.90	6.0	3.40	6.0	2.98	6.0	2.50
	12	6.0	6.10	6.0	5.45	6.0	4.80	6.0	4.20	6.0	3.60	6.0	3.05	6.0	2.70
Partload2	15	6.0	7.10	6.0	6.30	6.0	5.50	6.0	4.70	6.0	4.00	6.0	3.35	6.0	2.95
	20	6.0	8.95	6.0	7.85	6.0	6.75	6.0	5.70	6.0	4.85	6.0	4.00	6.0	3.45
	-20	-	-	2.9	2.25	2.9	1.90	-	-	-	-	-	-	-	-
	-15	-	-	4.3	2.75	4.2	2.35	4.1	1.95	-	-	-	-	-	-
	-10	4.8	3.15	4.8	2.85	4.8	2.55	4.8	2.25	4.7	2.00	4.6	1.75	-	-
	-7	4.8	3.65	4.8	3.25	4.8	2.85	4.8	2.45	4.8	2.25	4.8	2.05	-	-
	2	4.8	4.40	4.8	4.00	4.8	3.60	4.8	3.20	4.8	2.85	4.8	2.50	4.7	2.25
	7	4.8	5.90	4.8	5.25	4.8	4.60	4.8	4.00	4.8	3.50	4.8	3.00	4.8	2.50
Min	12	4.8	6.60	4.8	5.85	4.8	5.10	4.8	4.40	4.8	3.75	4.8	3.15	4.8	2.75
	15	4.8	7.60	4.8	6.70	4.8	5.80	4.8	4.95	4.8	4.20	4.8	3.45	4.8	3.00
	20	4.8	9.50	4.8	8.30	4.8	7.10	4.8	5.95	4.8	5.00	4.8	4.10	4.8	3.50
	-20	-	-	2.9	2.30	2.8	1.90	-	-	-	-	-	-	-	-
	-15	-	-	3.3	2.35	3.2	2.00	3.2	1.65	-	-	-	-	-	-
	-10	3.7	3.05	3.6	2.75	3.6	2.45	3.5	2.20	3.4	1.85	3.4	1.55	-	-
	-7	3.3	3.60	3.2	3.15	3.2	2.70	3.2	2.25	3.0	2.00	2.8	1.80	-	-
	2	3.8	4.90	3.4	4.40	3.4	3.90	3.2	3.40	3.1	2.95	2.9	2.55	2.8	2.25
	7	3.5	6.20	2.9	5.45	2.8	4.70	2.7	3.95	2.5	3.35	2.4	2.80	2.4	2.40
	12	3.2	7.25	2.9	6.35	2.7	5.45	2.6	4.60	2.5	3.90	2.4	3.20	2.3	2.75
	15	3.4	8.05	3.1	7.05	3.0	6.05	2.9	5.10	2.8	4.30	2.7	3.50	2.5	2.95
	20	3.9	9.95	3.6	8.80	3.4	7.40	3.3	6.05	3.2	5.05	3.0	4.05	2.9	3.40

■ PUZ-WM85VAA(-BS)

PUZ-WM85YAA(-BS)

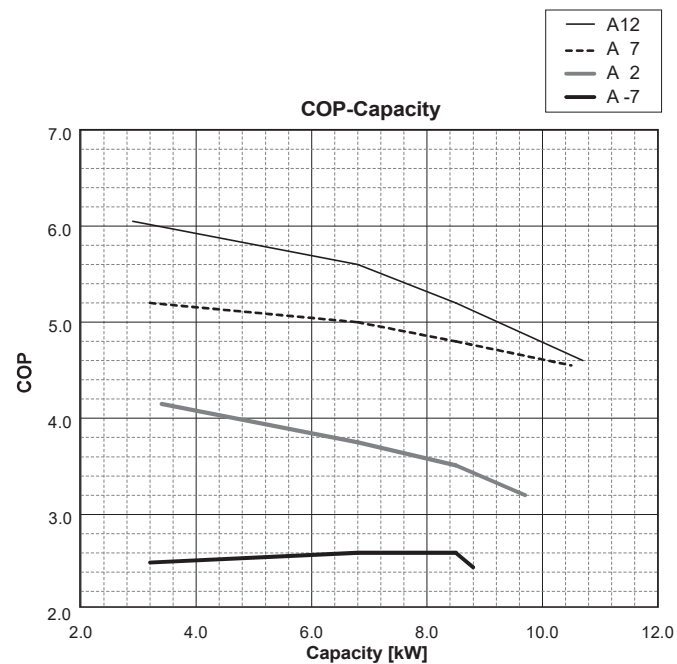
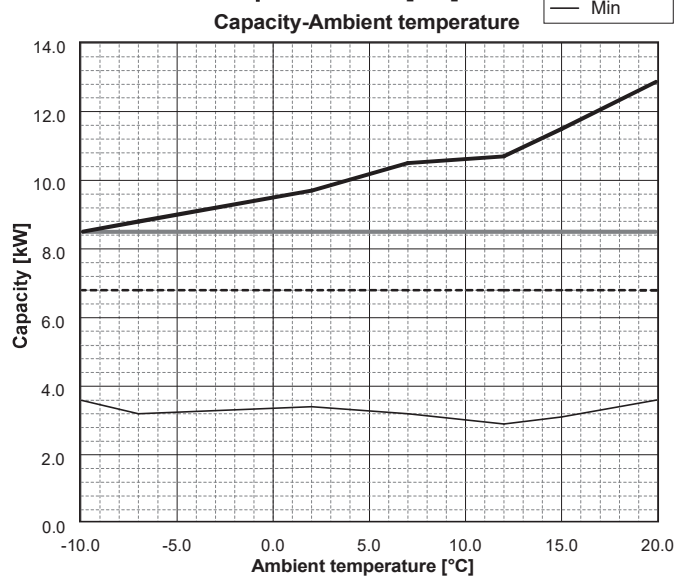
Water outlet temperature [°C]		25		35		40		45		50		55		60	
Ambient temperature [°C]		Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max	-20	-	-	5.0	1.75	5.0	1.60	4.9	1.45	-	-	-	-	-	-
	-15	-	-	7.3	2.15	7.2	1.95	7.1	1.80	6.9	1.80	-	-	-	-
	-10	8.5	2.45	8.5	2.30	8.5	2.15	8.5	2.05	8.1	1.85	7.6	1.65	-	-
	-7	8.5	2.55	8.8	2.45	8.7	2.35	8.5	2.25	8.3	2.05	8.0	1.90	-	-
	2	9.8	3.45	9.7	3.20	9.6	2.95	9.5	2.70	9.3	2.45	9.2	2.25	9.1	2.00
	7	10.9	5.00	10.5	4.55	10.1	4.10	9.8	3.65	9.6	3.15	9.4	2.65	9.2	2.35
	12	11.0	5.05	10.7	4.60	10.5	4.15	10.2	3.75	10.1	3.25	9.9	2.80	9.7	2.45
	15	11.9	5.35	11.5	4.90	11.3	4.45	11.1	4.00	10.9	3.50	10.7	3.00	10.5	2.60
Partload1	20	13.3	5.90	12.9	5.35	12.7	4.80	12.4	4.25	12.3	3.75	12.1	3.25	11.9	2.90
	-20	-	-	5.0	1.75	5.0	1.60	-	-	-	-	-	-	-	-
	-15	-	-	7.3	2.15	7.2	1.95	7.1	1.80	-	-	-	-	-	-
	-10	8.5	2.45	8.5	2.30	8.5	2.15	8.5	2.05	8.1	1.85	7.6	1.65	-	-
	-7	8.5	2.80	8.5	2.60	8.5	2.40	8.5	2.25	8.3	2.05	8.0	1.90	-	-
	2	8.5	3.87	8.5	3.51	8.5	3.15	8.5	2.86	8.5	2.55	8.5	2.30	8.3	2.05
	7	8.5	5.40	8.5	4.80	8.5	4.20	8.5	3.70	8.5	3.25	8.5	2.82	8.5	2.35
	12	8.5	5.80	8.5	5.20	8.5	4.60	8.5	4.00	8.5	3.45	8.5	2.90	8.5	2.50
Partload2	15	8.5	6.70	8.5	5.95	8.5	5.20	8.5	4.45	8.5	3.80	8.5	3.20	8.5	2.75
	20	8.5	8.50	8.5	7.45	8.5	6.40	8.5	5.40	8.5	4.55	8.5	3.75	8.5	3.25
	-20	-	-	4.0	1.80	4.0	1.60	-	-	-	-	-	-	-	-
	-15	-	-	5.8	2.20	5.8	2.00	5.7	1.80	-	-	-	-	-	-
	-10	6.8	2.40	6.8	2.30	6.8	2.20	6.8	2.10	6.4	1.85	6.1	1.60	-	-
	-7	6.8	2.75	6.8	2.60	6.8	2.45	6.8	2.30	6.6	2.10	6.4	1.90	-	-
	2	6.8	4.15	6.8	3.75	6.8	3.35	6.8	3.00	6.8	2.65	6.8	2.35	6.6	2.10
	7	6.8	5.60	6.8	5.00	6.8	4.40	6.8	3.80	6.8	3.30	6.8	2.85	6.8	2.35
Min	12	6.8	6.30	6.8	5.60	6.8	4.90	6.8	4.20	6.8	3.60	6.8	3.00	6.8	2.55
	15	6.8	7.20	6.8	6.35	6.8	5.50	6.8	4.65	6.8	3.95	6.8	3.30	6.8	2.80
	20	6.8	9.05	6.8	7.90	6.8	6.75	6.8	5.60	6.8	4.70	6.8	3.85	6.8	3.30
	-20	-	-	2.9	1.80	2.8	1.60	-	-	-	-	-	-	-	-
	-15	-	-	3.3	1.85	3.2	1.65	3.2	1.50	-	-	-	-	-	-
	-10	3.7	2.30	3.6	2.20	3.6	2.10	3.5	2.05	3.4	1.75	3.4	1.45	-	-
	-7	3.3	2.70	3.2	2.50	3.2	2.30	3.2	2.10	3.0	1.85	2.8	1.65	-	-
	2	3.8	4.65	3.4	4.15	3.4	3.65	3.2	3.15	3.1	2.75	2.9	2.40	2.8	2.10
	7	3.9	5.95	3.2	5.20	3.1	4.45	3.0	3.75	2.8	3.20	2.6	2.65	2.6	2.25
	12	3.2	6.90	2.9	6.05	2.7	5.20	2.6	4.40	2.5	3.70	2.4	3.05	2.3	2.55
	15	3.4	7.65	3.1	6.70	3.0	5.75	2.9	4.80	2.8	4.05	2.7	3.35	2.5	2.75
	20	3.9	9.70	3.6	8.35	3.4	7.00	3.3	5.70	3.2	4.75	3.0	3.80	2.9	3.20

5 Performance data

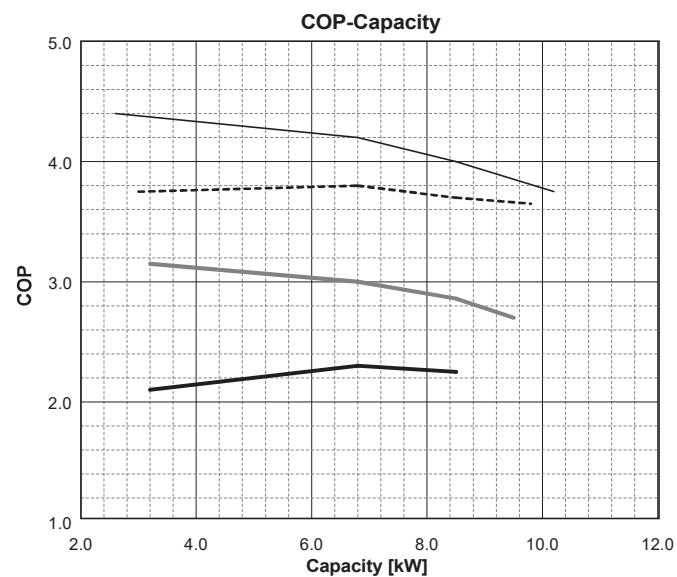
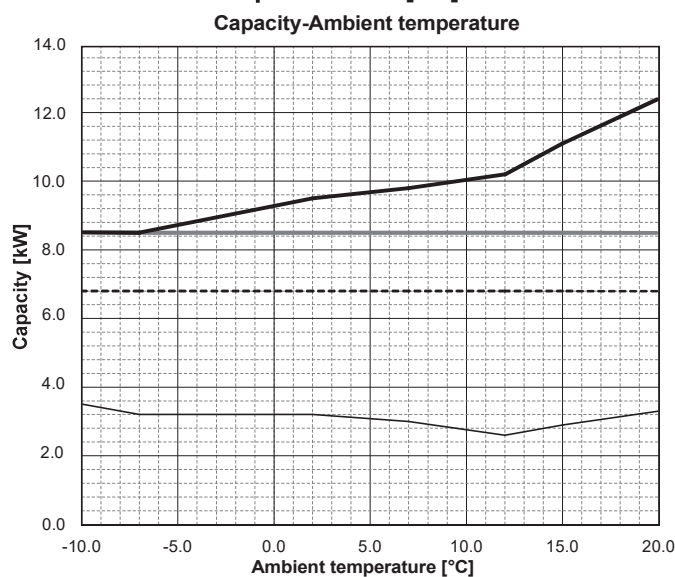
PUZ-WM85VAA(-BS)

PUZ-WM85YAA(-BS)

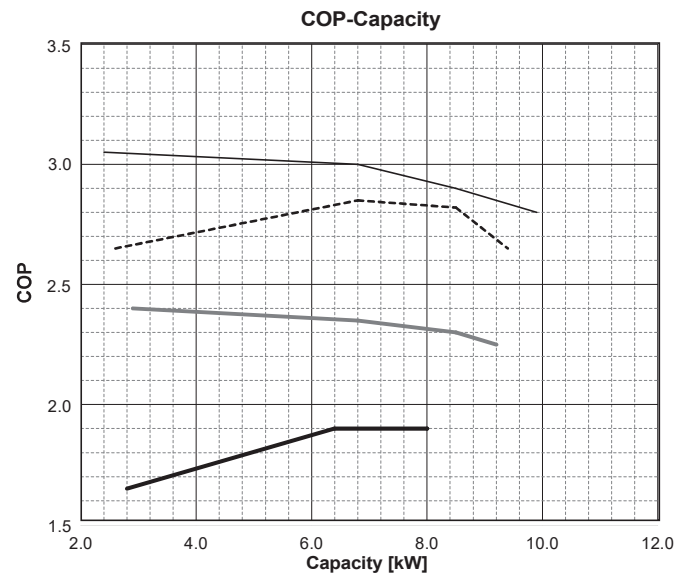
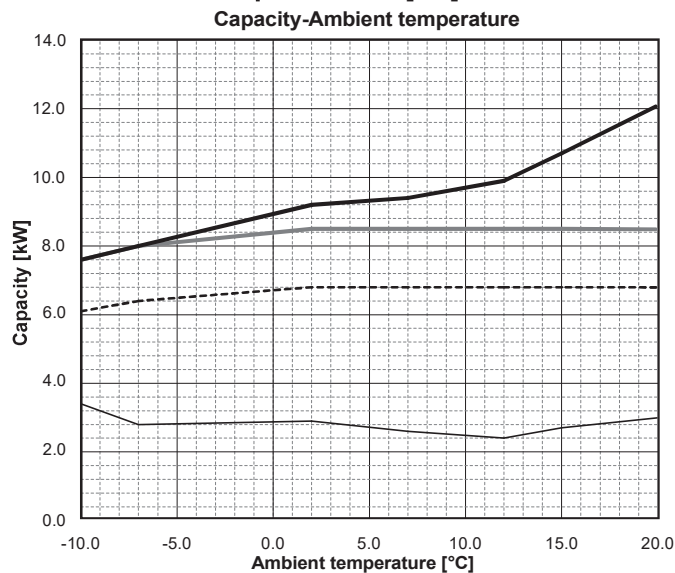
■ Water outlet temperature 35 [°C]



■ Water outlet temperature 45 [°C]



■ Water outlet temperature 55 [°C]



Outdoor unit

5 Performance data

5.4 Best COP

<Notes>

1) Max COP of each model at each condition are shown.

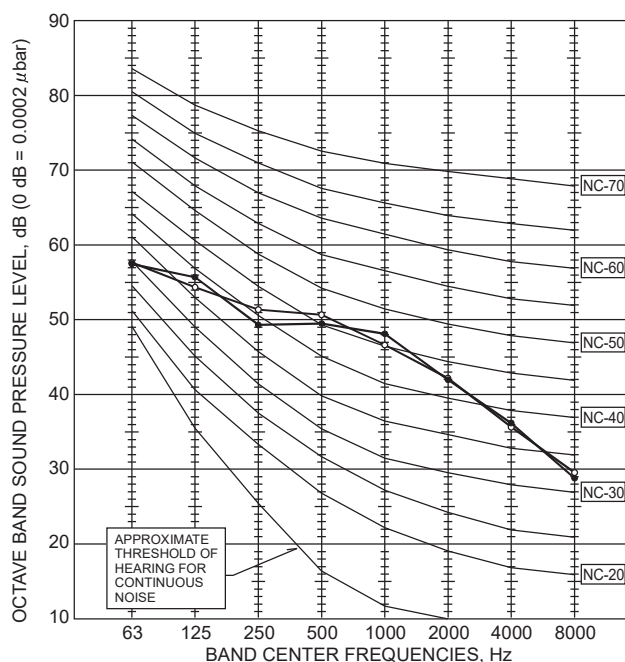
2) Gray highlighted data means integrated data including defrost operation.

Water outlet temperature[°C]		35		45		55	
Ambient temperature[°C]		Capacity	COP	Capacity	COP	Capacity	COP
PUZ-WZ50VAA(-BS)	-7	3.5	2.87	3.4	2.54	3.4	2.07
	2	3.8	3.27	3.7	2.55	4.0	2.11
		3.6	3.49	4.0	2.75	4.5	2.28
	7	4.0	5.10	4.5	4.00	4.7	3.23
PUZ-WZ60VAA(-BS)	-7	3.4	2.84	3.6	2.58	3.7	2.05
	2	3.8	3.52	3.8	2.62	4.6	2.09
		3.6	3.76	4.0	2.83	5.2	2.27
	7	3.1	5.05	4.2	3.97	5.0	3.15
PUZ-WZ80VAA(-BS)	-7	3.5	2.90	3.6	2.60	3.8	2.14
	2	6.6	3.35	6.5	2.81	5.0	2.40
		3.3	3.49	3.6	2.92	4.7	2.59
	7	3.9	4.85	4.5	3.88	4.8	3.04
PUZ-WM50VHA(-BS)	-7	2.7	3.25	3.7	2.42	3.5	1.90
	2	4.0	3.69	4.0	2.77	4.0	2.20
		2.5	3.42	2.5	3.47	2.3	2.78
	7	1.8	5.46	4.0	4.11	4.0	2.99
PUZ-WM60VAA(-BS)	-7	4.8	3.25	4.8	2.45	4.8	2.05
	2	4.8	4.00	4.8	3.20	4.8	2.50
		3.4	4.40	3.2	3.40	5.3	2.63
	7	2.9	5.45	4.8	4.00	4.8	3.00
PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)	-7	6.8	2.60	6.8	2.30	6.4	1.90
	2	6.8	3.75	6.8	3.00	6.8	2.35
		3.4	4.15	7.5	3.15	7.5	2.47
	7	3.2	5.20	6.8	3.80	6.8	2.85
PUZ-WM112VAA(-BS) PUZ-WM112YAA(-BS)	-7	9.0	3.05	9.0	2.55	8.0	1.90
	2	9.0	3.75	9.0	2.80	8.0	2.10
		9.9	3.94	9.9	2.94	8.8	2.21
	7	9.0	4.80	9.0	3.90	8.0	3.00
PUZ-HWM140VHA(-BS) PUZ-HWM140YHA(-BS)	-7	11.2	3.00	11.2	2.50	11.2	2.10
	2	5.1	3.65	11.2	2.90	11.2	2.55
		6.0	3.69	12.3	3.05	12.3	2.68
	7	11.2	4.80	11.2	3.85	11.2	2.90
SUZ-SWM30VA	-7	2.4	3.18	2.4	2.57	2.9	2.16
	2	2.4	3.97	2.4	3.07	2.4	2.50
		2.0	4.02	1.9	3.12	1.9	2.57
	7	3.0	5.11	2.4	3.71	2.9	2.94
SUZ-SHWM30VAH	-7	3.0	2.95	3.0	2.42	2.9	2.07
	2	3.0	3.67	2.4	2.85	4.0	2.38
		2.0	4.02	1.9	3.12	1.9	2.57
	7	3.0	5.11	2.4	3.71	2.9	2.94
SUZ-SWM40VA2(-SC)	-7	3.6	3.12	2.4	2.52	2.3	2.14
	2	3.2	3.94	3.2	3.06	4.0	2.47
		2.0	4.02	1.9	3.12	1.9	2.57
	7	3.0	5.11	2.4	3.71	2.9	2.93
SUZ-SHWM40VAH(-SC)	-7	2.8	3.38	2.7	2.18	2.6	1.70
	2	3.2	3.71	3.2	2.56	4.0	2.20
		2.6	3.84	2.5	2.70	2.4	2.04
	7	3.0	4.77	3.0	3.08	2.3	2.86
SUZ-SWM60VA2(-SC)	-7	2.8	3.64	2.7	2.18	2.6	1.70
	2	4.8	3.86	4.8	2.53	4.0	2.09
		2.6	4.21	2.5	2.70	2.4	2.04
	7	5.0	4.85	4.0	3.32	4.0	2.94
SUZ-SHWM60VAH(-SC)	-7	4.8	2.95	4.8	2.22	4.8	1.78
	2	4.8	3.65	4.8	2.79	4.8	2.23
		3.8	4.17	3.5	3.12	3.3	2.54
	7	3.6	4.98	3.4	3.63	4.0	2.95
SUZ-SWM80VA2	-7	3.9	2.95	3.5	2.20	3.4	1.78
	2	6.0	3.66	6.0	2.87	6.0	2.32
		3.8	4.17	3.5	3.12	3.3	2.54
	7	6.0	5.10	4.8	3.66	4.8	3.01
SUZ-SWM80VAH2	-7	7.0	2.76	3.5	2.05	3.4	1.67
	2	6.0	3.41	6.0	2.71	6.0	2.22
		3.8	4.17	3.5	3.12	3.3	2.54
	7	6.0	5.10	4.8	3.66	4.8	3.01
SUZ-SWM100VA	-7	3.9	2.95	3.5	2.22	3.4	1.78
	2	7.2	3.36	6.8	2.79	6.8	2.36
		3.8	4.17	3.5	3.12	3.3	2.54
	7	10.0	5.08	6.0	3.65	3.3	2.93

6 Noise criterion curves

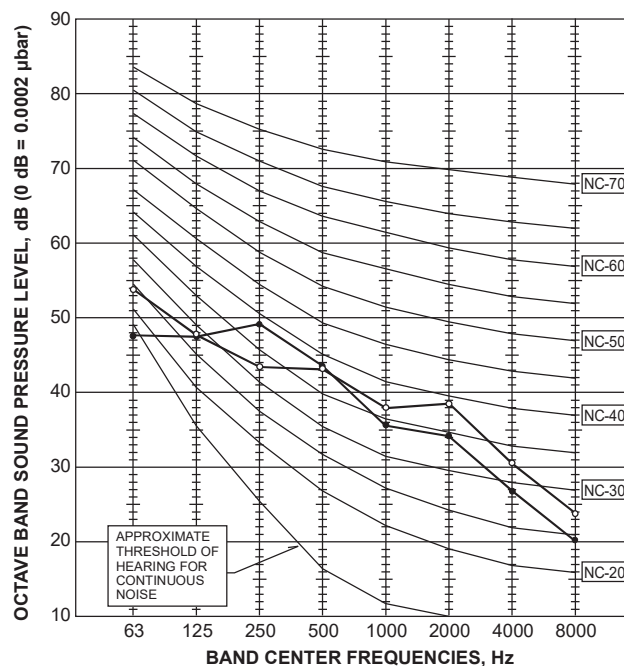
■ PUZ-WM50VHA(-BS)

MODE	SPL(dBA)	LINE
COOLING	52	○—○
HEATING	52	●—●



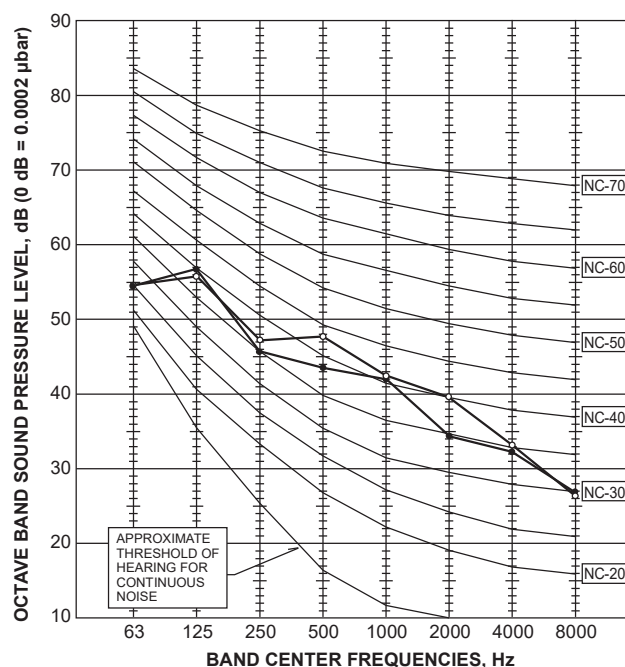
■ PUZ-WM60VAA(-BS) PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)

MODE	SPL(dBA)	LINE
COOLING	45	○—○
HEATING	45	●—●



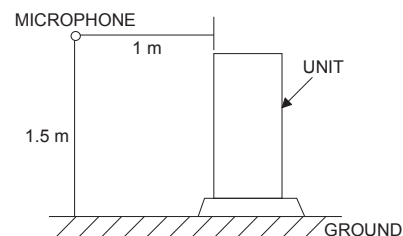
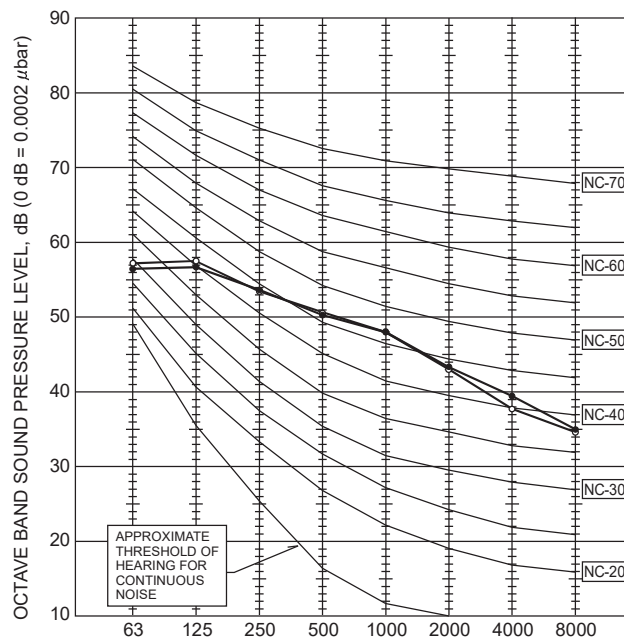
■ PUZ-WM112VAA(-BS) PUZ-WM112YAA(-BS)

MODE	SPL(dBA)	LINE
COOLING	49	○—○
HEATING	47	●—●



■ PUZ-HWM140VHA(-BS) PUZ-HWM140YHA(-BS)

MODE	SPL(dBA)	LINE
COOLING	53	○—○
HEATING	53	●—●



<Notes>

- 1) Sound data is taken when the system is running stably.
- 2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.
- 3) These values are only for reference purpose.