

MODEL NAME			PUD-SWM120VAA(-BS)	PUD-SHWM120VAA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			1φ, 230 V, 50 Hz	1φ, 230 V, 50 Hz
	Max. Current	A	28.0	28.0
Braker size		A	32	32
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	DVK28FBAMT
	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		-	-
Fan	Fan(drive) x No.		Propeller fan x1	Propeller fan x1
	Fan motor output	kW	0.200	0.200
	Air flow	m³/min (CFM)	50 (1760)	50 (1760)
Defrost method			Reverse cycle	Reverse cycle
Noise level (SPL)	Heating	dB	46	46
	Cooling	dB	-	-
Noise level (PWL)	Heating	dB	60	60
Dimensions	Height	mm(in)	1050 (41-5/16)	1050 (41-5/16)
	Depth	mm(in)	480 (18-7/8)	480 (18-7/8)
	Width	mm(in)	1020 (40-3/16)	1020 (40-3/16)
Weight		kg(lbs)	107 (236)	108 (238)
Refrigerant (GWP)			R32	R32
	Chargeless	kg	1.6 (3.5)	1.7 (3.8)
	MAX.	kg	1.83 (4.0)	1.83 (4.0)
Pipe size O.D.	Liquid	mm(in)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(in)	12.7 (1/2)	12.7 (1/2)
Connection method			Flared	Flared
Between the indoor & outdoor unit	Height difference	m	30	30
	Piping length	m	2 to 30	2 to 30
Guaranteed operating range (Outdoor)	Heating	°C	-25 to +24	-28 to +24
	DHW	°C	-25 to +35	-28 to +35
	Cooling	°C	-	-
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	-	-
Nominal return water temperature range	Heating	L/min	+10 to +59	+10 to +59
	Cooling	L/min	-	-
Water Flow rate range		L/min	14.3 to 34.4	14.3 to 34.4

MODEL NAME			PUD-SWM120YAA(-BS)	PUD-SHWM120YAA(-BS)
POWER SUPPLY(Phase, voltage, frequency)			3φ, 400 V, 50 Hz	3φ, 400 V, 50 Hz
	Max. Current	A	12.0	12.0
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 scroll	Hermetic scroll
	Model		DVB28FBBMT	DVK28FBBMT
	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		-	-
Fan	Fan(drive) x No.		Propeller fan x1	Propeller fan x1
	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	46	46
	Cooling	dB	-	-
Noise level (PWL)	Heating	dB	60	60
Dimensions	Height	mm(in)	1050 (41-5/16)	1050 (41-5/16)
	Depth	mm(in)	480 (18-7/8)	480 (18-7/8)
	Width	mm(in)	1020 (40-3/16)	1020 (40-3/16)
Weight		kg(lbs)	120 (265)	121 (267)
Refrigerant (GWP)			R32	R32
	Chargeless	kg	1.6 (3.5)	1.7 (3.8)
	MAX.	kg	1.83 (4.0)	1.83 (4.0)
Pipe size O.D.	Liquid	mm(in)	6.35 (1/4)	6.35 (1/4)
	Gas	mm(in)	12.7 (1/2)	12.7 (1/2)
Connection method			Flared	Flared
Between the indoor & outdoor unit	Height difference	m	30	30
	Piping length	m	2 to 30	2 to 30
Guaranteed operating range (Outdoor)	Heating	°C	-25 to +24	-28 to +24
	DHW	°C	-25 to +35	-28 to +35
	Cooling	°C	-	-
Outlet water temp. (Max in Heating, Min in Cooling)	Heating	°C	+60	+60
	Cooling	°C	-	-
Nominal return water temperature range	Heating	L/min	+10 to +59	+10 to +59
	Cooling	L/min	-	-
Water Flow rate range		L/min	14.3 to 34.4	14.3 to 34.4

■ PUD-SWM60VAA(-BS)
PUD-SWM100YAA(-BS)
PUD-SHWM80VAA(-BS)
PUD-SHWM120VAA(-BS)

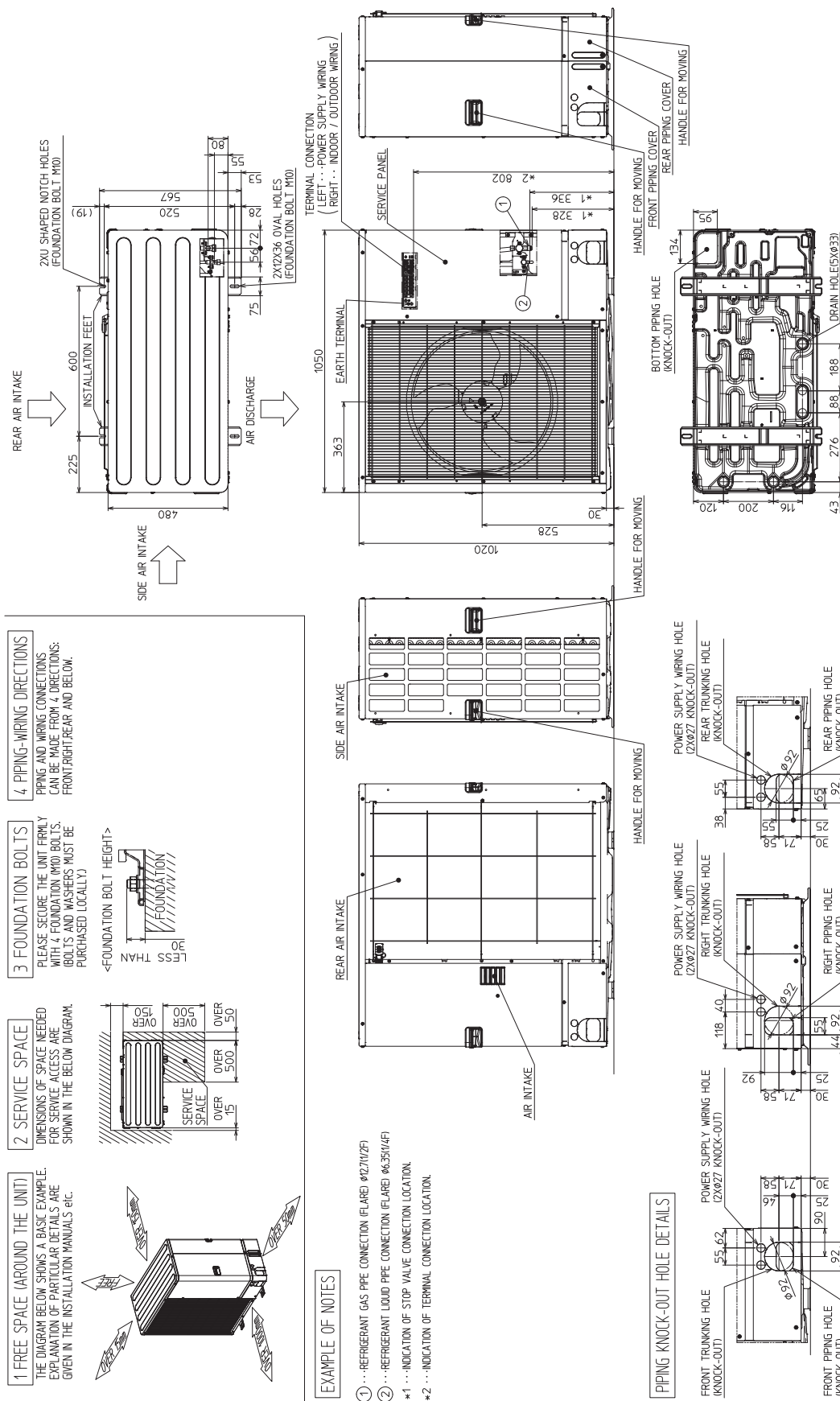
PUD-SWM80VAA(-BS)
PUD-SWM120VAA(-BS)
PUD-SHWM80YAA(-BS)
PUD-SHWM120YAA(-BS)

PUD-SWM80YAA(-BS)
PUD-SWM120YAA(-BS)
PUD-SHWM100VAA(-BS)
PUD-SHWM140VAA(-BS)

PUD-SWM100VAA(-BS)
PUD-SHWM60VAA(-BS)
PUD-SHWM100YAA(-BS)
PUD-SHWM140YAA(-BS)

Unit: mm

Outdoor unit



■ PUD-SHWM100VAA(-BS) PUD-SHWM100YAA(-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	-28 (INJ)	-	-	8.0	2.00	7.9	1.80	7.7	1.57	-	-	-	-	-	-
	-20 (INJ)	-	-	9.4	2.15	9.2	1.95	9.0	1.75	8.6	1.55	-	-	-	-
	-15 (INJ)	-	-	10.7	2.50	10.5	2.20	10.3	1.90	10.0	1.85	9.2	1.60	-	-
	-10 (INJ)	12.6	2.80	12.0	2.60	11.7	2.45	11.4	2.25	11.0	2.00	10.0	1.91	-	-
	-7 (INJ)	13.5	2.90	13.2	2.65	12.9	2.45	12.6	2.25	12.2	2.10	10.9	1.95	9.2	1.65
	2	12.8	3.45	12.4	3.15	12.2	2.90	11.9	2.60	11.4	2.30	10.4	2.00	9.4	1.85
	7	11.4	5.50	10.9	4.65	10.5	4.05	10.0	3.40	9.7	3.10	9.2	2.55	8.5	2.25
	12	12.9	6.30	12.2	5.45	12.0	4.75	11.7	4.00	11.1	3.50	10.5	2.95	9.5	2.55
	15	13.4	6.70	13.0	5.65	12.7	5.10	12.4	4.50	11.8	4.10	11.1	3.55	10.0	2.90
	20	14.2	7.60	13.8	6.25	13.5	5.65	13.1	5.00	12.5	4.35	11.4	3.75	10.5	3.55
Nominal	-28 (INJ)	-	-	8.0	2.00	7.9	1.80	7.7	1.57	-	-	-	-	-	-
	-20 (INJ)	-	-	9.4	2.15	9.2	1.95	9.0	1.75	8.6	1.55	-	-	-	-
	-15 (INJ)	-	-	10.0	2.60	10.0	2.30	10.0	1.95	10.0	1.85	9.2	1.60	-	-
	-10 (INJ)	10.0	3.45	10.0	2.92	10.0	2.65	10.0	2.40	10.0	2.10	10.0	1.91	-	-
	-7 (INJ)	10.0	3.50	10.0	3.05	10.0	2.75	10.0	2.45	10.0	2.25	10.0	2.00	9.2	1.65
	2	10.0	4.10	10.0	3.45	10.0	3.10	10.0	2.75	10.0	2.45	10.0	2.05	9.4	1.85
	7	8.0	5.90	8.0	5.00	8.0	4.35	8.0	3.65	8.0	3.20	8.0	2.60	8.0	2.30
	12	8.0	7.20	8.0	5.90	8.0	5.10	8.0	4.30	8.0	3.75	8.0	3.10	8.0	2.65
	15	8.0	7.55	8.0	6.20	8.0	5.50	8.0	4.80	8.0	4.25	8.0	3.65	8.0	2.95
	20	8.0	8.65	8.0	7.10	8.0	6.25	8.0	5.40	8.0	4.65	8.0	3.85	8.0	3.75
Mid	-28 (INJ)	-	-	6.4	2.05	6.3	1.85	6.2	1.60	-	-	-	-	-	-
	-20 (INJ)	-	-	7.2	2.35	7.2	2.10	7.2	1.80	6.9	1.60	-	-	-	-
	-15 (INJ)	-	-	8.0	2.65	8.0	2.35	8.0	2.00	8.0	1.90	7.4	1.70	-	-
	-10 (INJ)	8.0	3.70	8.0	3.10	8.0	2.80	8.0	2.50	8.0	2.20	8.0	1.85	-	-
	-7 (INJ)	8.0	3.70	8.0	3.15	8.0	2.85	8.0	2.50	8.0	2.30	8.0	2.05	7.4	1.75
	2	8.0	4.45	8.0	3.60	8.0	3.25	8.0	2.85	8.0	2.55	8.0	2.15	7.5	1.95
	7	6.4	5.80	6.4	5.00	6.4	4.35	6.4	3.70	6.4	3.25	6.4	2.75	6.4	2.35
	12	6.4	7.30	6.4	5.65	6.4	5.00	6.4	4.30	6.4	3.75	6.4	3.10	6.4	2.70
	15	6.4	7.55	6.4	6.15	6.4	5.45	6.4	4.70	6.4	4.15	6.4	3.60	6.4	2.95
	20	6.4	8.35	6.4	7.05	6.4	6.20	6.4	5.30	6.4	4.60	6.4	3.80	6.4	3.70
Min	-28 (INJ)	-	-	4.0	1.90	3.9	1.70	3.8	1.50	-	-	-	-	-	-
	-20 (INJ)	-	-	4.9	2.40	4.8	2.15	4.7	1.85	4.5	1.55	-	-	-	-
	-15 (INJ)	-	-	5.6	2.70	5.5	2.40	5.4	2.05	5.3	1.85	5.2	1.55	-	-
	-10 (INJ)	3.8	3.60	3.6	2.90	3.5	2.60	3.4	2.25	3.3	1.90	3.1	1.60	-	-
	-7 (INJ)	3.8	3.70	3.5	2.90	3.4	2.60	3.2	2.25	3.1	2.00	2.9	1.70	3.7	1.65
	2	3.5	4.70	3.2	3.60	3.0	3.20	2.7	2.75	2.4	2.30	2.1	1.80	3.2	1.90
	7	2.7	4.90	2.5	3.55	2.4	3.35	2.3	3.10	2.0	2.70	1.7	2.30	2.6	2.25
	12	3.4	6.90	3.1	4.55	2.9	4.25	2.7	3.95	2.3	3.25	1.9	2.65	2.9	2.55
	15	4.0	7.30	3.3	5.70	3.1	4.95	2.9	4.20	2.5	3.60	2.0	3.00	3.1	2.75
	20	4.3	7.60	3.8	6.65	3.5	5.75	3.2	4.85	2.9	4.10	2.6	3.30	3.5	3.35

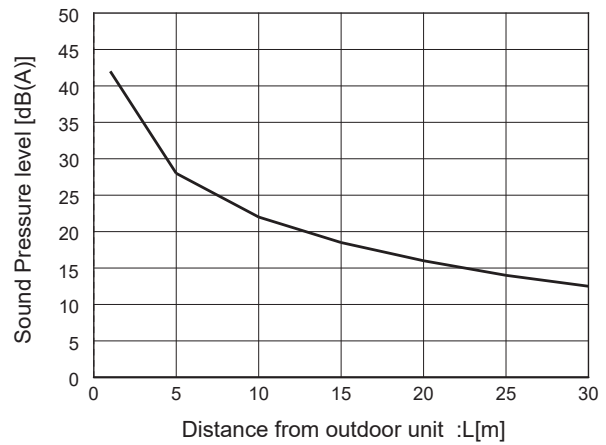
■ PUD-SHWM120VAA(-BS) PUD-SHWM120YAA(-BS)

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	-28 (INJ)	-	-	9.6	1.95	9.4	1.75	9.2	1.56	-	-	-	-	-	-
	-20 (INJ)	-	-	11.0	2.00	10.9	1.90	10.8	1.75	9.6	1.55	-	-	-	-
	-15 (INJ)	-	-	12.3	2.35	12.2	2.10	12.0	1.85	11.6	1.80	11.2	1.76	-	-
	-10 (INJ)	14.0	2.40	13.6	2.35	13.2	2.20	12.8	2.00	12.4	1.90	12.0	1.87	-	-
	-7 (INJ)	15.2	2.60	14.9	2.40	14.5	2.25	14.1	2.10	13.3	2.00	12.4	1.85	10.0	1.60
	2	13.5	3.30	13.2	3.10	12.9	2.85	12.6	2.55	12.3	2.25	12.0	2.03	11.0	1.80
	7	13.2	4.90	12.9	4.10	12.5	3.60	12.1	3.10	11.7	2.85	11.2	2.55	10.5	2.20
	12	15.0	5.40	14.5	4.55	14.2	4.10	13.8	3.60	13.2	3.10	12.6	2.65	11.7	2.30
	15	15.9	5.90	15.4	5.00	15.1	4.60	14.7	4.15	14.0	3.75	13.3	3.30	12.4	2.65
	20	16.9	6.10	16.4	5.30	16.2	4.85	15.9	4.40	15.2	3.90	14.5	3.40	13.5	3.00
Nominal	-28 (INJ)	-	-	9.6	1.95	9.4	1.75	9.2	1.56	-	-	-	-	-	-
	-20 (INJ)	-	-	11.0	2.00	10.9	1.90	10.8	1.75	9.6	1.55	-	-	-	-
	-15 (INJ)	-	-	12.0	2.45	12.0	2.15	12.0	1.85	11.6	1.80	11.2	1.76	-	-
	-10 (INJ)	12.0	3.20	12.0	2.77	12.0	2.50	12.0	2.20	12.0	1.95	12.0	1.87	-	-
	-7 (INJ)	12.0	3.30	12.0	2.85	12.0	2.60	12.0	2.35	12.0	2.15	12.0	1.95	10.0	1.60
	2	12.0	3.55	12.0	3.30	12.0	2.95	12.0	2.60	12.0	2.30	12.0	2.03	11.0	1.80
	7	10.0	5.75	10.0	4.80	10.0	4.10	10.0	3.40	10.0	3.05	10.0	2.65	10.0	2.25
	12	10.0	7.15	10.0	5.80	10.0	5.00	10.0	4.20	10.0	3.65	10.0	3.00	10.0	2.50
	15	10.0	7.45	10.0	6.15	10.0	5.45	10.0	4.75	10.0	4.20	10.0	3.60	10.0	2.90
	20	10.0	8.65	10.0	7.00	10.0	6.20	10.0	5.35	10.0	4.60	10.0	3.80	10.0	3.60
Mid	-28 (INJ)	-	-	7.7	2.05	7.6	1.85	7.4	1.60	-	-	-	-	-	-
	-20 (INJ)	-	-	8.8	2.25	8.7	2.05	8.6	1.80	7.8	1.60	-	-	-	-
	-15 (INJ)	-	-	9.6	2.55	9.6	2.25	9.6	1.95	9.3	1.90	9.0	1.80	-	-
	-10 (INJ)	9.6	3.50	9.6	3.00	9.6	2.70	9.6	2.40	9.6	2.15	9.6	1.90	-	-
	-7 (INJ)	9.6	3.60	9.6	3.10	9.6	2.80	9.6	2.45	9.6	2.25	9.6	2.05	8.0	1.70
	2	9.6	4.25	9.6	3.50	9.6	3.15	9.6	2.80	9.6	2.50	9.6	2.15	8.6	1.90
	7	8.0	5.90	8.0	5.00	8.0	4.35	8.0	3.65	8.0	3.20	8.0	2.70	8.0	2.30
	12	8.0	7.20	8.0	5.90	8.0	5.10	8.0	4.30	8.0	3.75	8.0	3.10	8.0	2.65
	15	8.0	7.55	8.0	6.20	8.0	5.50	8.0	4.80	8.0	4.25	8.0	3.65	8.0	2.95
	20	8.0	8.70	8.0	7.10	8.0	6.25	8.0	5.40	8.0	4.65	8.0	3.85	8.0	3.75
Min	-28 (INJ)	-	-	4.0	1.90	3.9	1.70	3.8	1.50	-	-	-	-	-	-
	-20 (INJ)	-	-	4.9	2.40	4.8	2.15	4.7	1.85	4.5	1.55	-	-	-	-
	-15 (INJ)	-	-	5.6	2.70	5.5	2.40	5.4	2.05	5.3	1.85	5.2	1.55	-	-
	-10 (INJ)	3.8	3.60	3.6	2.90	3.5	2.60	3.4	2.25	3.3	1.90	3.1	1.60	-	-
	-7 (INJ)	3.8	3.70	3.5	2.90	3.4	2.60	3.2	2.25	3.1	2.00	2.9	1.70	3.7	1.65
	2	3.5	4.70	3.2	3.60	3.0	3.20	2.7	2.75	2.4	2.30	2.1	1.80	3.2	1.90
	7	2.7	4.90	2.5	3.55	2.4	3.35	2.3	3.10	2.0	2.70	1.7	2.30	2.6	2.25
	12	3.4	6.90	3.1	4.55	2.9	4.25	2.7	3.95	2.3	3.35	1.9	2.70	2.9	2.60
	15	4.0	7.30	3.3	5.70	3.1	4.95	2.9	4.20	2.5	3.60	2.0	3.00	3.1	2.75
	20	4.3	7.60	3.8	6.65	3.5	5.75	3.2	4.85	2.9	4.10	2.6	3.30	3.5	3.35

■ PUD-SWM60VAA(-BS) PUD-SHWM60VAA(-BS)



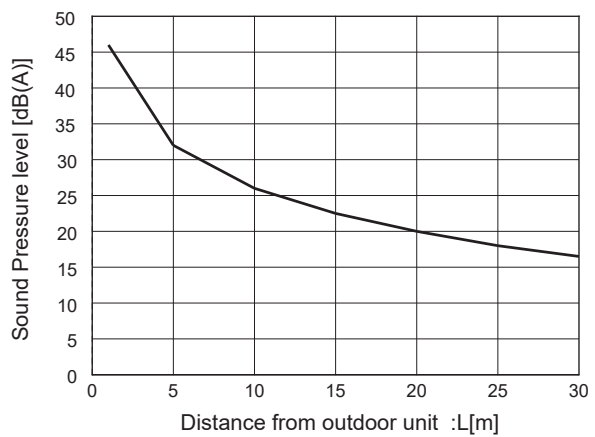
■ PUD-SWM80VAA(-BS) PUD-SWM80YAA(-BS) PUD-SHWM80VAA(-BS) PUD-SHWM80YAA(-BS)



■ PUD-SWM100VAA(-BS) PUD-SWM100YAA(-BS) PUD-SHWM100VAA(-BS) PUD-SHWM100YAA(-BS)



■ PUD-SWM120VAA(-BS) PUD-SWM120YAA(-BS) PUD-SHWM120VAA(-BS) PUD-SHWM120YAA(-BS)



■ PUD-SHWM140VAA(-BS) PUD-SHWM140YAA(-BS)

