(2) Split-type units

MODEL NAME				SUZ-SWM30VA	SUZ-SHWM30VAH
POWER SUPPLY(Phase, voltage, frequency)				1φ, 230 V, 50 Hz	1φ, 230 V, 50 Hz
	Max. Current		A	13.5	13.5
Braker size			A	16	16
Outer casing				Galvanized plate	Galvanized plate
External finish				Munsell 3Y 7.8/1.1 (FRONT PANEL)	Munsell 3Y 7.8/1.1 (FRONT PANEL)
Refrigerant control				Linear expansion valve	Linear expansion valve
Compressor				Hermetic twin rotary	Hermetic twin rotary
	Model			SVB130FPBM1T	SVB130FPBM1T
	Motor output		kW	0.9	0.9
	Start type			Inverter	Inverter
	Protection devices			Discharge thermo Over current Thermal Protector High pressure cut (Indoor unit)	Discharge thermo Over current Thermal Protector High pressure cut (Indoor unit)
	Oil		L	0.6	0.6
Base antifreeze heater		Input	kW	-	0.060
Heat exchanger		Air		Plate fin coil	Plate fin coil
		Water		-	-
Fan	Fan(drive) x No.			Propeller fan ×1	Propeller fan ×1
	Fan motor output		kW	0.050	0.050
	Air flow		m^3/min (CFM)	28.0 (989)	28.0 (989)
Defrost method				Reverse cycle	Reverse cycle
Noise level (SPL)		Heating	dBA	43	43
		Cooling	dBA	45	45
Noise level (PWL) (Based on EN12102:2013)		Heating	dBA	57	57
Dimensions		Width	mm(in)	714 (28-1/8)	714 (28-1/8)
		Depth	mm(in)	285 (11-1/4)	285 (11-1/4)
		Height	mm(in)	800 (31-1/2)	800 (31-1/2)
Weight			kg(lbs)	39 (86)	39.5 (87)
Refrigerant				R32	R32
		Chargeless	kg(lbs)	0.8 (1.8)	0.8 (1.8)
		MAX.	kg(lbs)	1.3 (2.9)	1.3 (2.9)
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	Max. 26	Max. 26
		Piping length	m	2 to 26	2 to 26
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	+5 to +59 *1	+5 to +59 *1
		Cooling	°C	+8 to +28 *1	+8 to +28 *1
Water Flow rate range			L/min	6.5 to 11.4	6.5 to 11.4

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

(2) Split-type units

MODEL NAME			SUZ-SWM30VA	SUZ-SHWM30VAH	SUZ-SWM40VA2(-SC)
Heating (A7/W35)	Capacity	kW	3.00	3.00	3.00
	COP		5.11	5.11	5.11
	Power input	kW	0.59	0.59	0.59
	Test condition flow rate	L/min	8.6	8.6	8.6
Heating (A2/W35)	Capacity	kW	3.00	3.00	4.00
	COP		3.96	3.67	3.90
	Power input	kW	0.76	0.82	1.03
	Test condition flow rate	L/min	8.6	8.6	11.5
Pressure difference (Water circuit)		kPa	-	-	-
Heating pump input (Based on EN14511)		kW	-	-	-
Cooling (A35/W7)	Capacity	kW	3.50	3.50	4.50
	EER (COP)		3.52	3.52	3.31
	Power input	kW	0.99	0.99	1.36
	Test condition flow rate	L/min	10.0	10.0	12.9
Cooling (A35/W18)	Capacity	kW	3.50	3.50	5.60
	EER (COP)		5.51	5.51	4.71
	Power input	kW	0.64	0.64	1.19
	Test condition flow rate	L/min	10.0	10.0	16.1
Pressure difference (Water circuit)		kPa	-	-	-
Cooling pump input (Based on EN14511)		kW	-	-	-
Recommended indoor unit model			E*S***D-***E	E*S***D-***E	E*S***D-***E

The table shows performance data obtained when an indoor unit is connected.

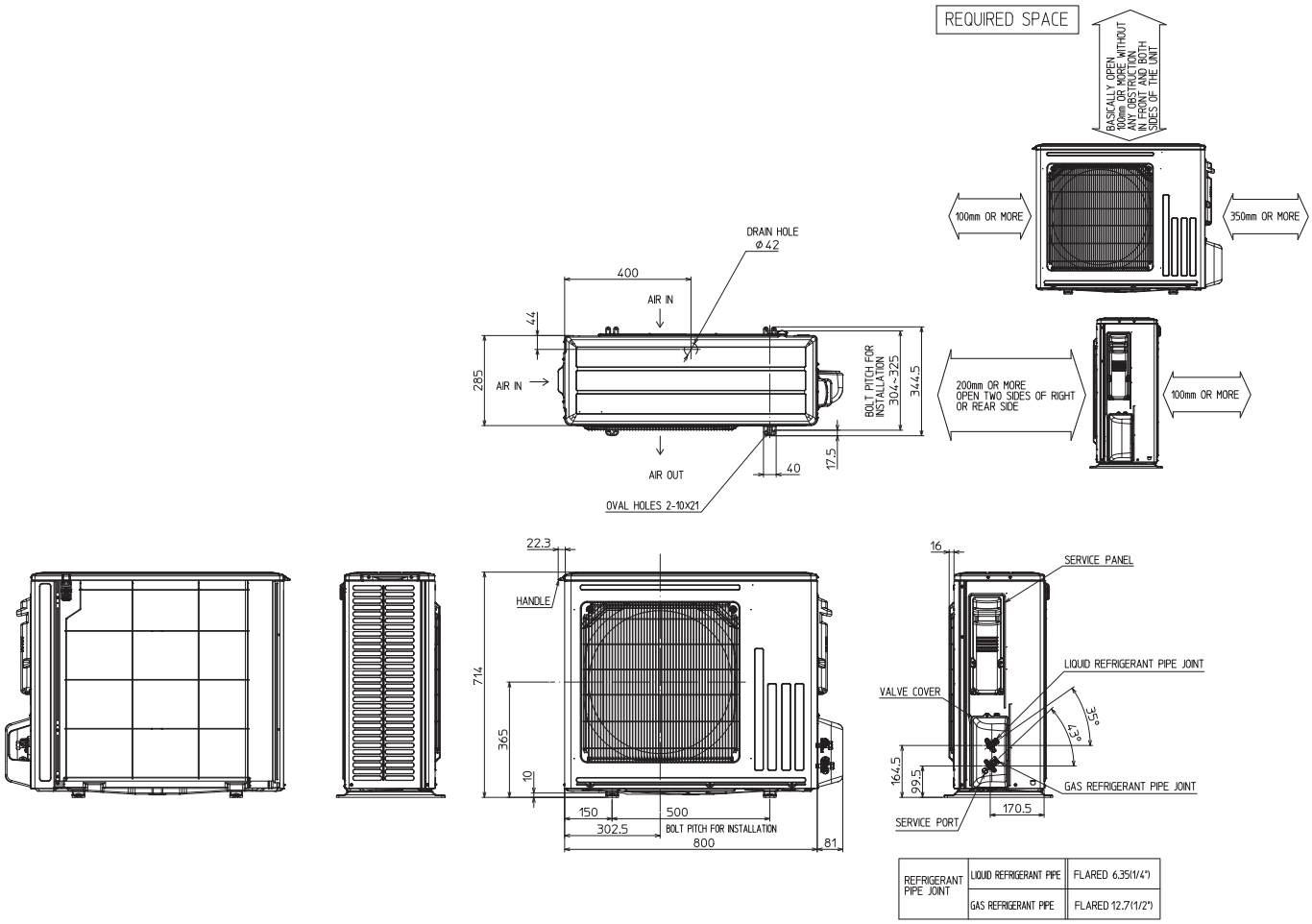
MODEL NAME			SUZ-SHWM40VAH(-SC)	SUZ-SWM60VA2(-SC)	SUZ-SHWM60VAH(-SC)
Heating (A7/W35)	Capacity	kW	3.00	5.00	5.00
	COP		4.77	4.85	4.95
	Power input	kW	0.63	1.03	1.01
	Test condition flow rate	L/min	8.6	14.3	14.3
Heating (A2/W35)	Capacity	kW	4.00	6.00	6.00
	COP		3.61	3.62	3.47
	Power input	kW	1.11	1.66	1.73
	Test condition flow rate	L/min	11.5	17.2	17.2
Pressure difference (Water circuit)		kPa	-	-	-
Heating pump input (Based on EN14511)		kW	-	-	-
Cooling (A35/W7)	Capacity	kW	4.50	5.00	6.00
	EER (COP)		3.33	3.18	3.28
	Power input	kW	1.35	1.57	1.83
	Test condition flow rate	L/min	12.9	14.3	17.2
Cooling (A35/W18)	Capacity	kW	5.60	6.00	6.00
	EER (COP)		4.70	4.65	5.21
	Power input	kW	1.19	1.29	1.15
	Test condition flow rate	L/min	16.1	17.2	17.2
Pressure difference (Water circuit)		kPa	-	-	-
Cooling pump input (Based on EN14511)		kW	-	-	-
Recommended indoor unit model			E*S***D-***E	E*S***D-***E	E*S***D-***E

The table shows performance data obtained when an indoor unit is connected.

(2)Split-type units

Unit : mm

■ **SUZ-SWM30VA**
SUZ-SHWM30VAH
SUZ-SWM40VA2(-SC)
SUZ-SHWM40VAH(-SC)
SUZ-SWM60VA2(-SC)



REFRIGERANT PIPE JOINT	LIQUID REFRIGERANT PIPE	FLARED 6.35(1/4")
	GAS REFRIGERANT PIPE	FLARED 12.7(1/2")

(2)Split-type units

■ Power inverter

Water outlet temperature [°C]			7		18	
Model	Ambient temperature [°C]		Capacity	COP	Capacity	COP
SUZ-SWM30VA SUZ-SHWM30VAH	Max	35	4.1	3.23	5.5	4.42
		30	4.3	3.83	5.8	5.16
		25	4.5	4.55	6.0	6.19
		20	4.6	5.31	6.3	7.62
	Partload1	35	3.5	3.52	3.5	5.51
		30	3.5	4.28	3.5	6.62
		25	3.5	5.15	3.5	7.95
		20	3.5	6.18	3.5	8.99
	Partload2	35	2.8	3.77	2.8	5.69
		30	2.8	4.50	2.8	6.83
		25	2.8	5.39	2.8	8.24
		20	2.8	6.47	2.8	9.39
	Min	35	1.3	3.70	1.5	5.73
		30	1.3	4.22	1.5	6.66
		25	1.4	5.19	1.6	8.22
		20	1.4	6.02	1.7	9.60
SUZ-SWM40VA2(-SC)	Max	35	4.7	3.13	6.5	4.18
		30	5.0	3.67	7.0	5.01
		25	5.2	4.33	7.2	5.96
		20	5.4	5.12	7.5	7.26
	Partload1	35	4.5	3.31	5.6	4.71
		30	4.5	3.88	5.6	5.65
		25	4.5	4.67	5.6	6.72
		20	4.5	5.62	5.6	7.50
	Partload2	35	3.6	3.54	4.5	5.16
		30	3.6	4.19	4.5	6.18
		25	3.6	5.00	4.5	7.28
		20	3.6	6.02	4.5	8.28
	Min	35	1.3	3.55	1.6	5.45
		30	1.3	4.05	1.6	6.34
		25	1.4	4.98	1.7	7.82
		20	1.4	5.78	1.8	9.13
SUZ-SHWM40VAH(-SC)	Max	35	4.9	2.98	6.5	3.97
		30	5.3	3.65	6.9	4.62
		25	5.5	4.51	7.2	5.35
		20	5.6	5.83	7.5	6.17
	Partload1	35	4.5	3.33	5.6	4.70
		30	4.5	3.90	5.6	5.41
		25	4.5	4.97	5.6	6.15
		20	4.5	6.37	5.6	6.88
	Partload2	35	3.6	3.37	4.5	4.60
		30	3.6	4.04	4.5	5.27
		25	3.6	5.00	4.5	5.79
		20	3.6	6.16	4.5	6.35
	Min	35	1.7	3.14	2.1	4.28
		30	1.8	3.88	2.2	4.95
		25	1.9	4.76	2.3	5.59
		20	2.0	5.84	2.3	6.11
SUZ-SWM60VA2(-SC)	Max	35	5.3	2.82	7.2	3.75
		30	5.7	3.45	7.6	4.36
		25	5.9	4.27	8.0	5.05
		20	6.1	5.52	8.3	5.83
	Partload1	35	5.0	3.18	6.0	4.65
		30	5.0	3.69	6.0	5.11
		25	5.0	4.70	6.0	5.81
		20	5.0	6.03	6.0	6.50
	Partload2	35	4.0	3.32	4.8	4.65
		30	4.0	3.98	4.8	5.33
		25	4.0	4.93	4.8	5.85
		20	4.0	6.07	4.8	6.42
	Min	35	1.7	3.11	2.1	4.23
		30	1.8	3.84	2.2	4.90
		25	1.9	4.71	2.3	5.53
		20	2.0	5.77	2.3	6.05

(2)Split-type units

■ SUZ-SWM30VA

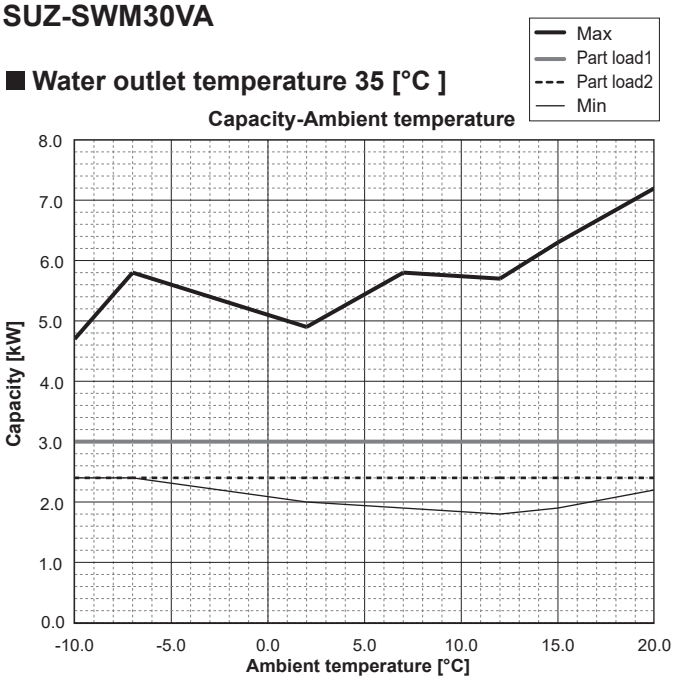
Water outlet temperature [°C]		25		35		40		45		50		55		60	
Ambient temperature [°C]		Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP	Capacity	COP
Max	-25	-	-	2.3	1.86	2.2	1.73	-	-	-	-	-	-	-	-
	-20	-	-	2.9	1.99	2.9	1.87	2.9	1.75	-	-	-	-	-	-
	-15	-	-	3.7	2.31	3.7	2.15	3.7	1.98	3.7	1.85	-	-	-	-
	-10	4.8	2.92	4.7	2.52	4.9	2.36	4.6	2.12	4.6	1.88	-	-	-	-
	-7	6.3	3.16	5.8	2.71	5.6	2.49	5.3	2.26	4.6	2.17	3.8	2.07	-	-
	2	5.0	3.99	4.9	3.32	4.9	2.99	4.8	2.65	4.4	2.56	4.0	2.47	3.1	2.40
	7	6.0	4.76	5.8	3.91	5.7	3.49	5.6	3.06	5.5	2.80	5.3	2.54	4.0	2.39
	12	5.9	6.02	5.7	4.86	5.6	4.28	5.5	3.70	5.4	3.28	5.3	2.86	4.0	2.59
	15	6.6	6.54	6.3	5.24	6.2	4.59	6.0	3.94	5.7	3.53	5.3	3.12	4.0	2.88
	20	7.5	7.12	7.2	5.94	7.1	5.17	6.9	4.39	6.1	4.01	5.3	3.62	4.0	3.46
Partload1	-25	-	-	2.3	1.86	2.2	1.73	-	-	-	-	-	-	-	-
	-20	-	-	2.9	1.99	2.9	1.87	2.9	1.75	-	-	-	-	-	-
	-15	-	-	3.0	2.43	3.0	2.15	3.0	2.06	3.0	1.98	-	-	-	-
	-10	3.0	3.30	3.0	2.80	3.0	2.36	3.0	2.30	3.0	2.24	-	-	-	-
	-7	3.0	3.74	3.0	3.14	3.0	2.84	3.0	2.54	3.0	2.32	3.6	2.10	-	-
	2	3.0	4.91	3.0	3.96	3.0	3.49	3.0	3.01	3.0	2.69	3.0	2.48	3.1	2.15
	7	3.0	6.55	3.0	5.11	3.0	4.39	3.0	3.67	3.0	3.25	3.6	2.83	3.6	2.35
	12	3.0	7.27	3.0	5.75	3.0	4.99	3.0	4.23	3.0	3.73	3.6	3.23	4.0	2.67
	15	3.0	8.16	3.0	6.39	3.0	5.51	3.0	4.62	3.0	4.06	3.6	3.50	4.0	2.89
	20	3.0	9.53	3.0	7.69	3.0	6.52	3.0	5.35	3.0	4.68	3.6	4.00	4.0	3.26
Partload2	-25	-	-	2.0	1.90	1.8	1.76	-	-	-	-	-	-	-	-
	-20	-	-	2.3	2.08	2.3	1.94	2.3	1.80	-	-	-	-	-	-
	-15	-	-	2.4	2.52	2.4	2.32	2.4	2.11	2.4	1.91	-	-	-	-
	-10	2.4	3.39	2.4	2.87	2.4	2.61	2.4	2.35	2.4	2.35	-	-	-	-
	-7	2.4	3.79	2.4	3.18	2.4	2.88	2.4	2.57	2.4	2.37	2.9	2.16	-	-
	2	2.4	4.87	2.4	3.97	2.4	3.52	2.4	3.07	2.4	2.79	2.4	2.50	2.4	2.18
	7	2.4	6.11	2.4	4.91	2.4	4.31	2.4	3.71	2.4	3.33	2.9	2.94	2.9	2.54
	12	2.4	7.27	2.4	5.75	2.4	4.99	2.4	4.23	2.4	3.78	2.9	3.32	3.2	2.83
	15	2.4	8.12	2.4	6.35	2.4	5.47	2.4	4.58	2.4	4.08	2.9	3.58	3.2	3.04
	20	2.4	9.41	2.4	7.59	2.4	6.43	2.4	5.27	2.4	4.66	2.9	4.05	3.2	3.40
Min	-25	-	-	2.0	1.90	1.9	1.76	-	-	-	-	-	-	-	-
	-20	-	-	1.9	2.20	1.9	2.08	1.9	1.95	-	-	-	-	-	-
	-15	-	-	2.3	2.54	2.2	2.34	2.1	2.13	2.0	1.93	-	-	-	-
	-10	2.4	3.39	2.4	2.87	2.4	2.61	2.4	2.35	2.4	2.35	-	-	-	-
	-7	2.4	3.79	2.4	3.18	2.4	2.88	2.4	2.57	2.4	2.37	2.3	2.14	-	-
	2	2.1	4.92	2.0	4.02	2.0	3.57	1.9	3.12	1.9	2.85	1.9	2.57	1.9	2.30
	7	2.0	6.00	1.9	4.81	1.9	4.22	1.8	3.62	1.8	3.28	1.7	2.93	1.7	2.59
	12	1.9	6.95	1.8	5.48	1.8	4.75	1.7	4.01	1.7	3.57	1.6	3.13	1.6	2.69
	15	2.0	7.87	1.9	6.13	1.9	5.26	1.8	4.39	1.8	3.92	1.8	3.45	1.8	2.98
	20	2.3	8.84	2.2	7.48	2.2	6.31	2.1	5.14	2.1	4.54	2.0	3.94	2.0	3.34

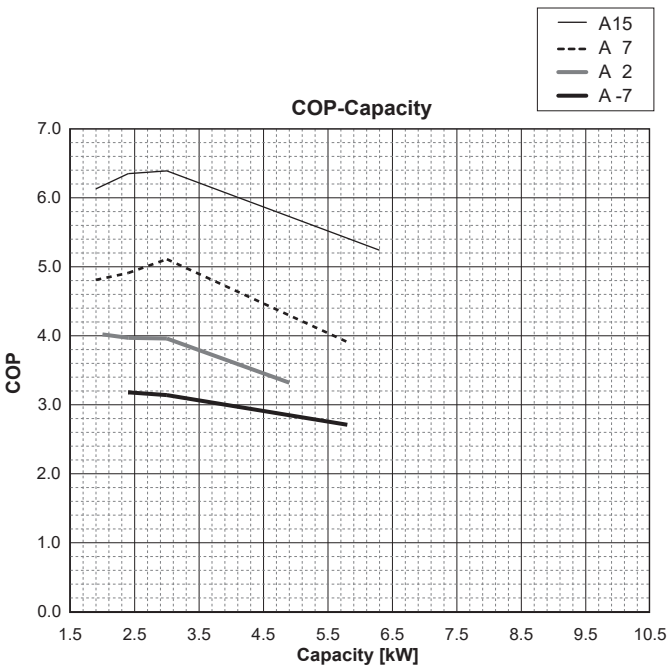
■ SUZ-SHWM30VAH

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	-25	-	-	2.3	1.77	2.2	1.65	-	-	-	-	-	-	-	-
	-20	-	-	3.4	1.87	3.4	1.76	3.4	1.66	-	-	-	-	-	-
	-15	-	-	4.3	2.16	4.3	2.02	4.2	1.87	4.2	1.76	-	-	-	-
	-10	5.2	2.70	5.2	2.34	5.5	2.18	5.2	1.99	5.2	1.99	-	-	-	-
	-7	6.3	3.07	5.8	2.64	5.6	2.42	5.3	2.20	4.6	2.10	3.8	2.00	-	-
	2	5.0	3.82	4.9	3.19	4.9	2.88	4.8	2.57	4.4	2.47	4.0	2.38	3.1	2.29
	7	6.0	4.76	5.8	3.91	5.7	3.49	5.6	3.06	5.5	2.80	5.3	2.54	4.0	2.39
	12	5.9	6.02	5.7	4.86	5.6	4.28	5.5	3.70	5.4	3.28	5.3	2.86	4.0	2.59
	15	6.6	6.54	6.3	5.24	6.2	4.59	6.0	3.94	5.7	3.53	5.3	3.12	4.0	2.88
	20	7.5	7.12	7.2	5.94	7.1	5.17	6.9	4.39	6.1	4.01	5.3	3.62	4.0	3.46
Partload1	-25	-	-	2.3	1.77	2.2	1.65	-	-	-	-	-	-	-	-
	-20	-	-	3.0	1.90	3.2	1.78	3.4	1.66	-	-	-	-	-	-
	-15	-	-	3.0	2.13	3.0	2.02	3.0	1.85	3.0	1.70	-	-	-	-
	-10	3.0	2.78	3.0	2.43	3.0	2.18	3.0	2.07	3.0	2.00	-	-	-	-
	-7	3.0	3.49	3.0	2.95	3.0	2.69	3.0	2.42	3.0	2.22	3.6	2.03	-	-
	2	3.0	4.50	3.0	3.67	3.0	3.25	3.0	2.84	3.0	2.60	3.0	2.36	3.1	2.06
	7	3.0	6.55	3.0	5.11	3.0	4.39	3.0	3.67	3.0	3.25	3.6	2.83	3.6	2.35
	12	3.0	7.27	3.0	5.75	3.0	4.99	3.0	4.23	3.0	3.73	3.6	3.23	4.0	2.67
	15	3.0	8.16	3.0	6.39	3.0	5.51	3.0	4.62	3.0	4.06	3.6	3.50	4.0	2.89
	20	3.0	9.53	3.0	7.69	3.0	6.52	3.0	5.35	3.0	4.68	3.6	4.00	4.0	3.26
Partload2	-25	-	-	2.0	1.80	1.7	1.67	-	-	-	-	-	-	-	-
	-20	-	-	2.4	1.92	2.6	1.81	2.7	1.70	-	-	-	-	-	-
	-15	-	-	2.4	2.29	2.4	2.12	2.4	1.94	2.4	1.77	-	-	-	-
	-10	2.4	2.90	2.4	2.54	2.4	2.36	2.4	2.17	2.4	2.17	-	-	-	-
	-7	2.4	3.48	2.4	2.95	2.4	2.68	2.4	2.41	2.4	2.24	2.9	2.07	-	-
	2	2.4	4.37	2.4	3.61	2.4	3.23	2.4	2.85	2.4	2.60	2.4	2.35	2.4	2.06
	7	2.4	6.11	2.4	4.91	2.4	4.31	2.4	3.71	2.4	3.33	2.9	2.94	2.9	2.54
	12	2.4	7.27	2.4	5.75	2.4	4.99	2.4	4.23	2.4	3.78	2.9	3.32	3.2	2.83
	15	2.4	8.12	2.4	6.35	2.4	5.47	2.4	4.58	2.4	4.08	2.9	3.58	3.2	3.04
	20	2.4	9.41	2.4	7.59	2.4	6.43	2.4	5.27	2.4	4.66	2.9	4.05	3.2	3.40
Min	-25	-	-	2.0	1.80	1.9	1.67	-	-	-	-	-	-	-	-
	-20	-	-	1.9	2.13	1.9	1.98	1.9	1.84	-	-	-	-	-	-
	-15	-	-	2.3	2.38	2.2	2.19	2.1	2.01	2.0	1.82	-	-	-	-
	-10	2.4	3.09	2.4	2.65	2.4	2.36	2.4	2.21	2.4	2.17	-	-	-	-
	-7	2.4	3.48	2.4	2.95	2.4	2.68	2.4	2.41	2.4	2.24	2.3	2.03	-	-
	2	2.1	4.92	2.0	4.02	2.0	3.57	1.9	3.12	1.9	2.85	1.9	2.57	1.9	2.30
	7	2.0	6.00	1.9	4.81	1.9	4.22	1.8	3.62	1.8	3.28	1.7	2.93	1.7	2.59
	12	1.9	6.95	1.8	5.48	1.8	4.75	1.7	4.01	1.7	3.57	1.6	3.13	1.6	2.69
	15	2.0	7.87	1.9	6.13	1.9	5.26	1.8	4.39	1.8	3.92	1.8	3.45	1.8	2.98
	20	2.3	8.84	2.2	7.48	2.2	6.31	2.1	5.14	2.1	4.54	2.0	3.94	2.0	3.34

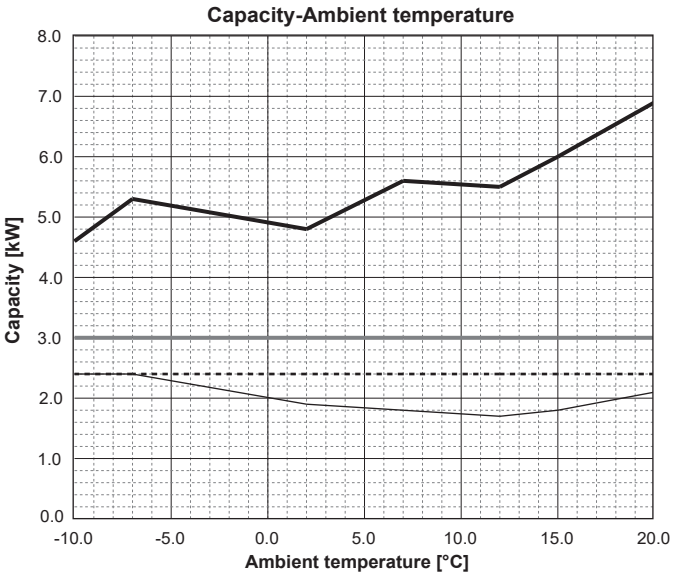
SUZ-SWM30VA

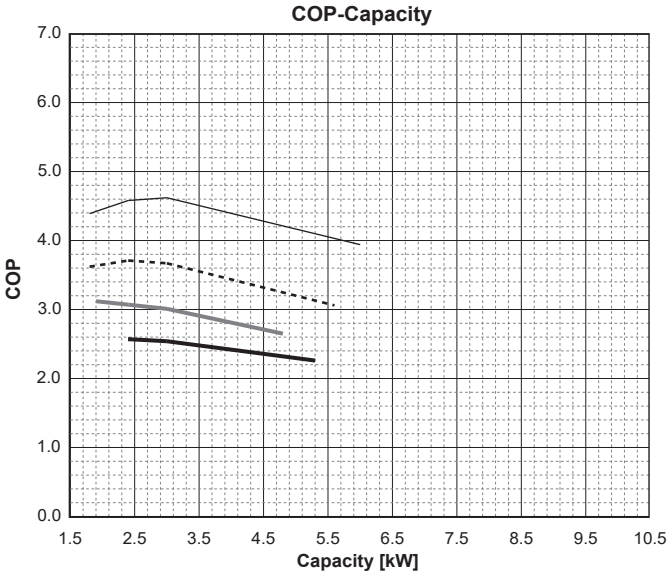
■ Water outlet temperature 35 [°C]





■ Water outlet temperature 45 [°C]





■ Water outlet temperature 55 [°C]