

Mono

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SAMSUNG

Specifications

Mono

R32

- Intuitive, colour screen touch controller in multiple languages
- Energy monitoring through touch controller
- 2-zone control, suitable for floor heating and radiators



	Outdoor Unit				AE050RXYDEG/EU	AE080RXYDEG/EU	AE120RXYDEG/EU
	Control Kit				MIM-E03CN	MIM-E03CN	MIM-E03CN
System	Operation	Nominal Capacity	Heating A7/W35 ¹	W	5.000	8.000	12.000
			Cooling A35/W18 ¹	W	5.000	7.500	12.000
		Power Input (Nominal)	Heating A7/W35 ¹	W	1.030	1.770	2.650
			Cooling A35/W18 ¹	W	1.140	1.900	2.770
		COP (Nominal Heating) A7/W35 ¹		W/W	4,85	4,52	4,53
		EER (Nominal Cooling) A35/W18 ¹		W/W	4,39	3,95	4,33
		Leaving Water Temperature ²	Heating	°C	15~65	15~65	15~65
			Cooling	°C	5~25	5~25	5~25
		Ambient Temperature	Heating	°C	-25~35	-25~35	-25~35
			Cooling	°C	10~46	10~46	10~46
			DHW	°C	-25~43	-25~43	-25~43
		Functions	2-Zone Control ³	-	●	●	●
Outdoor Unit	Power Supply		Φ, V, Hz	1Φ, 220~240V, 50Hz	1Φ, 220~240V, 50Hz	1Φ, 220~240V, 50Hz	
	Compressor	Type	-	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Base Heater		-	-	●	●	
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	45	48	50
			Cooling Std	dB(A)	45	48	50
		Sound Power	Heating Std	dB(A)	61	63	64
			Cooling Std	dB(A)	62	64	65
	Dimensions	Net Weight		kg	58,5	76,0	110,0
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330
	Refrigerant	Type		-	R32	R32	R32
		These products contain R32 (GWP=675) which is fluorinated greenhouse gas.					
		Factory Charging		tCO ₂ e	0,68	0,78	1,49
kg				1,00	1,15	2,20	

Accessories



Touch Controller

MWR-WW10N



AE160RXYDEG/EU	AE080RXYDGG/EU	AE120RXYDGG/EU	AE160RXYDGG/EU
MIM-E03CN	MIM-E03CN	MIM-E03CN	MIM-E03CN
16.000	8.000	12.000	16.000
14.000	7.500	12.000	14.000
3.620	1.770	2.650	3.620
3.280	1.900	2.770	3.280
4,42	4,52	4,53	4,42
4,27	3,95	4,33	4,27
15~65	15~65	15~65	15~65
5~25	5~25	5~25	5~25
-25~35	-25~35	-25~35	-25~35
10~46	10~46	10~46	10~46
-25~43	-25~43	-25~43	-25~43
•	•	•	•
1Φ, 220~240V, 50Hz	3Φ, 380~415V, 50Hz	3Φ, 380~415V, 50Hz	3Φ, 380~415V, 50Hz
BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
•	-	•	•
52	48	50	52
54	48	50	54
66	63	64	66
68	64	65	68
110,0	75,0	111,0	111,0
940 x 1,420 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330
R32	R32	R32	R32
These products contain R32 (GWP=675) which is fluorinated greenhouse gas.			
1,49	0,78	1,49	1,49
2,20	1,15	2,20	2,20



¹A2W Conditions : (Heating) Water In/Out 30°C/35°C, Outdoor Air °C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²65°C down to +10°C (max. 60°C down to -5°C)

³When combined with external thermostat.

⁴Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

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Specifications

Mono Control Kit

- Includes remote controller and flow sensor
- Mounting box with the control printed board assembly
- Leaving and return water sensors
- Domestic Hot Water sensor



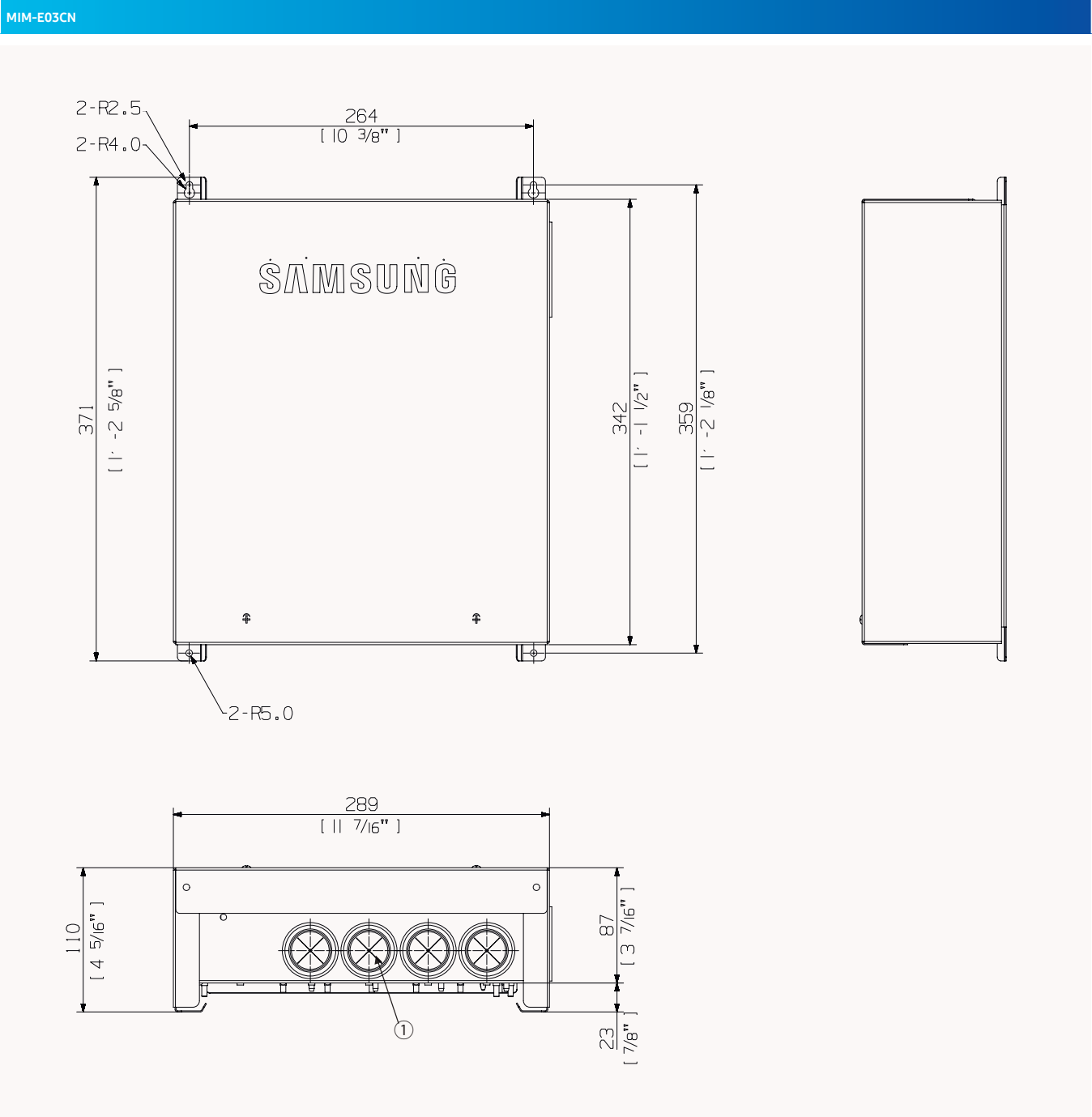
Model		MIM-E03CN
Compatible With	-	EHS R32 Mono ODU
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50
External Control	Booster Heater	-
	Back up Heater (/Boiler)	-
	Water Pump	-
	2way(or 3way) Valve	-
	Room Thermostat	-
	Solar Pump	-
	Inverter Pump	-
	3way Mixing Valve	-
External Dimension	Net Weight	kg
	Net Dimensions (WxHxD)	mm



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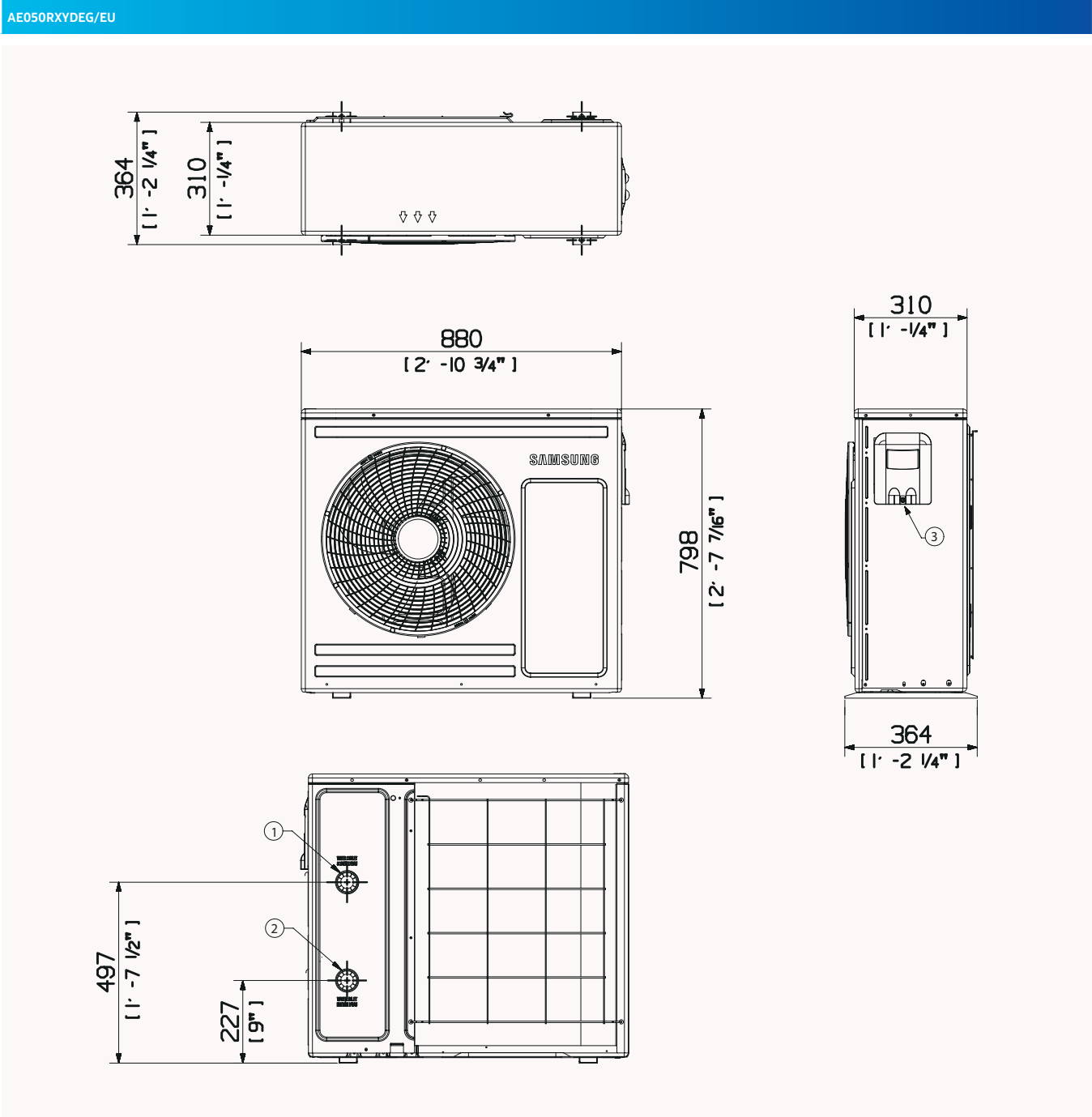
Dimensional Drawings

Mono Control Kit



NO	Name
1	Conduit Holes for Wiring (Rubber)

Mono Outdoor

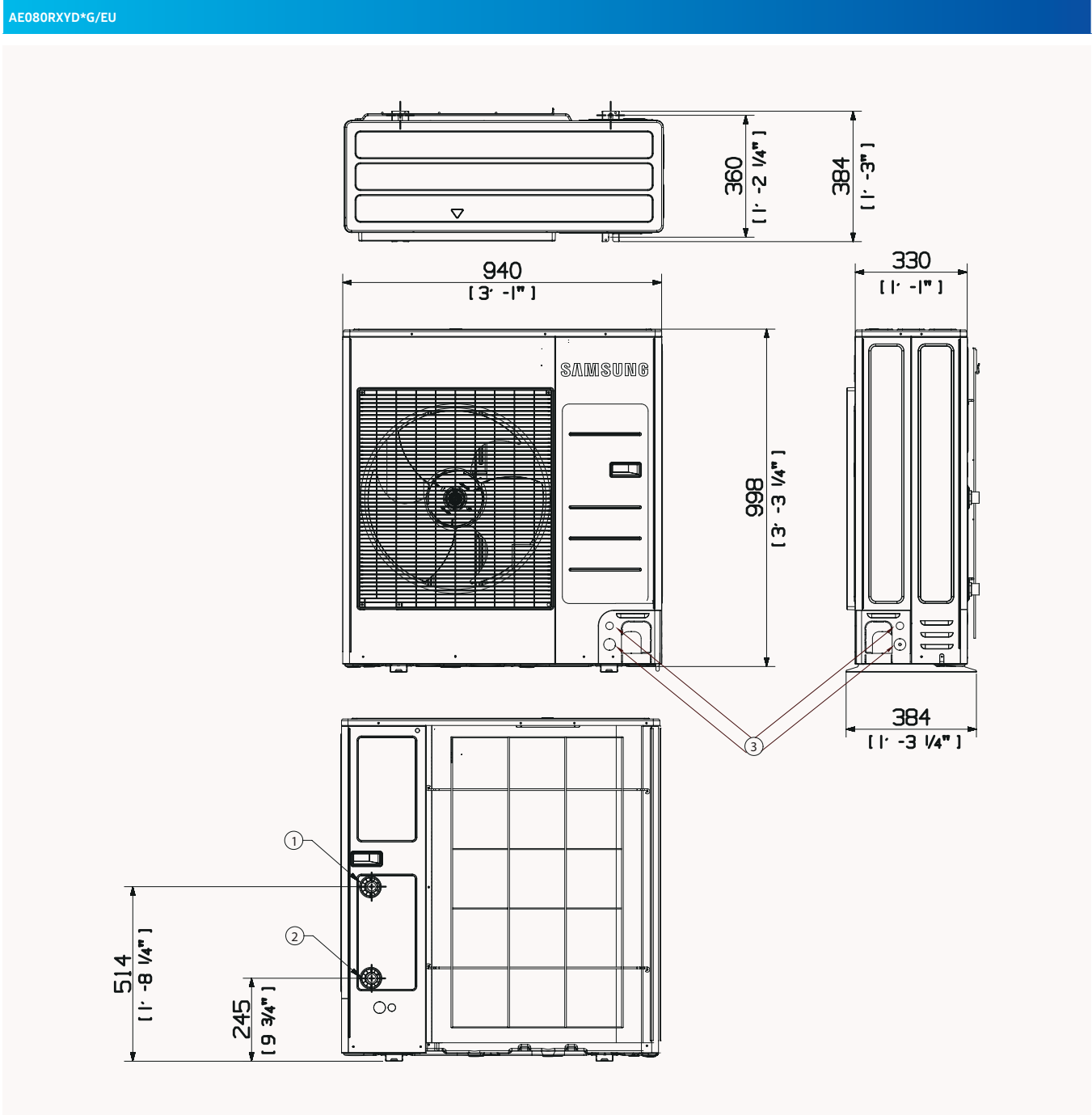


NO	Name
1	Water Pipe(Out)
2	Water Pipe(In)
3	Power & Communication Wiring Conduit Holes

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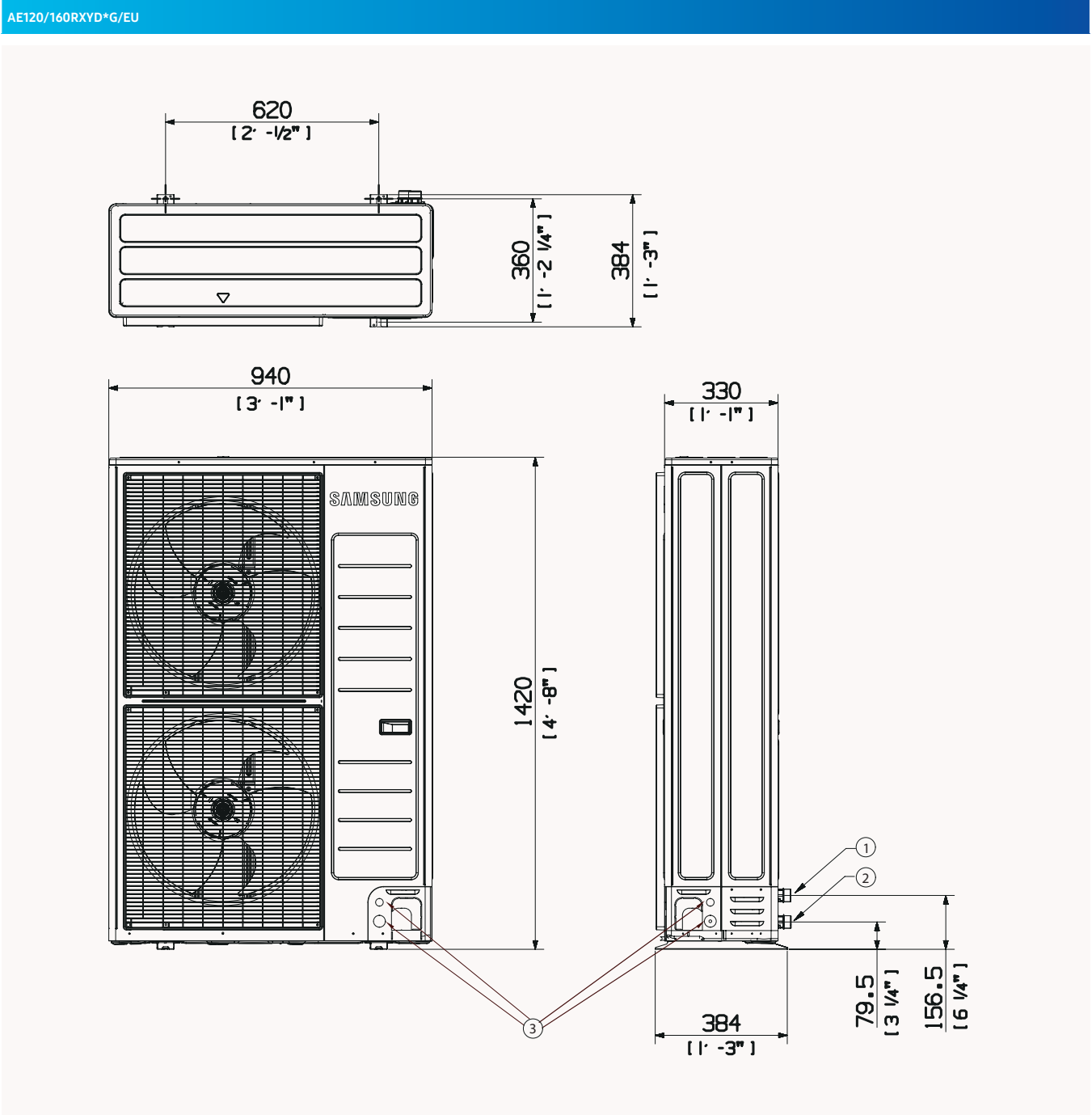
Dimensional Drawings

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1	Water Pipe(Out)
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