

1. Specification

Wind-Free 1Way Cassette

System	Model Name	Indoor Unit			AC026RN1DKG/EU	AC035RN1DKG/EU
		Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.82 / 2.60 / 3.80	0.85 / 3.50 / 4.20
				Btu/h	2,800 / 8,870 / 12,970	2,900 / 11,940 / 14,330
			Heating	kW	0.98 / 3.30 / 4.40	1.00 / 4.00 / 5.00
				Btu/h	3,340 / 11,260 / 15,000	3,410 / 13,650 / 17,060
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.17 / 0.72 / 1.16	0.18 / 1.09 / 1.40
			Heating	kW	0.20 / 1.01 / 1.45	0.19 / 1.28 / 1.80
		Current Input (Min/Std/Max)	Cooling	A	1.2 / 3.8 / 5.4	1.6 / 5.3 / 7.5
			Heating	A	1.4 / 5.0 / 7.0	1.3 / 6.2 / 10.5
		Current	MCA	A	11.0	11.0
			MFA	A	12.5	12.5
	Efficiency	EER	Cooling	-	3.61	3.21
		COP	Heating	-	3.26	3.12
		SEER (Cooling Energy Grade)		-	6.4 (A++)	6.2 (A++)
		SCOP (Heating Energy Grade)		-	4.0 (A+)	4.0 (A+)
		Pdesignh		kW	2.0	2.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5
			Max.	m	20	20
			Elevation	m	15	15
			Chargeless	m	20	20
	Wiring connections	Communication	Min.	mm ²	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32
		Factory Charging		kg	0.9	0.9
				tCO ₂ e	0.61	0.61

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		Outdoor Unit		AC026RXADKG/EU		AC035RXADKG/EU		
	Power Supply		Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50		
	Heat Exchanger	Type		-	F&T		F&T	
		Material	Fin	-	Al		Al	
			Tube	-	Cu		Cu	
			Fin Treatment		-	Green Hydrophile		Green Hydrophile
	Fan	Type		-	Crossflow Fan		Crossflow Fan	
		Quantity		EA	1		1	
		Air Flow Rate	Cooling (H/M/L)	m³/min	7.3 / 6.5 / 5.8		9.0 / 8.2 / 7.2	
				l/s	121.6 / 108.3 / 96.6		150 / 136.6 / 120	
			Heating (H/M/L)	m³/min	8.5 / 7.2 / 6.5		10.0 / 8.4 / 7.3	
				l/s	141.6 / 120 / 108.3		166.6 / 140 / 121.6	
	Fan Motor	Type		-	BLDC		BLDC	
		Output		W x n	27		27	
	Drain	Drain Pipe		Φ, mm	VP-20(OD26, ID20)		VP-20(OD26, ID20)	
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	32 / 29 / 26 / 25		35 / 32 / 29 / 28	
		Sound Power Level		dB(A)	52		55	
	External Dimension	Net Weight		kg	9.2		9.2	
		Shipping Weight		kg	12.0		12.0	
		Net Dimensions (WxHxD)		mm	970 x 135 x 410		970 x 135 x 410	
		Shipping Dimensions (WxHxD)		mm	1,173 x 231 x 487		1,173 x 231 x 487	
	Casing	Material		-	ABS		ABS	
	Panel (1)	Model Name		-	PC1NWFMAN		PC1NWFMAN	
		Type		-	Wind-Free Type		Wind-Free Type	
		Material		-	HIPS		HIPS	
		Color		-	DA White		DA White	
		Net Weight		kg	4.3		4.3	
		Shipping Weight		kg	6.3		6.3	
		Net Dimensions (WxHxD)		mm	1,198 x 35 x 500		1,198 x 35 x 500	
		Shipping Dimensions (WxHxD)		mm	1,262 x 122 x 566		1,262 x 122 x 566	
	Panel (2)	Model Name		-	PC1NWSMAN		PC1NWSMAN	
Type		-	Fluid Type		Fluid Type			
Material		-	ABS		ABS			
Color		-	White		White			
Net Weight		kg	5.5		5.5			
Shipping Weight		kg	7.2		7.2			
Net Dimensions (WxHxD)		mm	1,198 x 25 x 500		1,198 x 25 x 500			
Shipping Dimensions (WxHxD)		mm	1,275 x 152 x 580		1,275 x 152 x 580			
Control System	Infrared remote control		-	AR-EH03E		AR-EH03E		
	Wired remote control		-	MWR-WE13N MWR-WG00*N		MWR-WE13N MWR-WG00*N		
Drain Pump	Drain Pump		-	Included		Included		
	Max. lifting Height / Displacement		mm / Liter / h	750/24		750/24		
Additional Accessories	Drain Pump	External Model	-	-		-		
		Internal Model	-	-		-		
		Max. lifting Height / Displacement	mm / Liter / h	-		-		
	Air Filter		-	Removable / Washable		Removable / Washable		
	Virus Doctor		-	-		-		

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		Outdoor Unit		AC026RXADKG/EU	AC035RXADKG/EU	
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB9AK5090FER	UB9AK5090FER
		Type		-	Single BLDC	Single BLDC
		Output		kW	0.86	0.86
		Oil	Type	-	POE	POE
			Initial charge	cc	320	320
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m³/min	30	30
				l/s	500	500
	Fan Motor	Type		-	BLDC Motor	BLDC Motor
		Output		W x n	40 x 1	40 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	46	48
Heating			dB(A)	47	48	
Sound Power Level		dB(A)	59	61		
External Dimension	Net Weight		kg	32.5	32.5	
	Shipping Weight		kg	35.5	35.5	
	Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285	
	Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	913 x 622 x 371	
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	
Operating Temp. Range	Cooling		°C	-15 ~ 46	-15 ~ 46	
	Heating		°C	-20 ~ 24	-20 ~ 24	

NOTE

- Specification may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°C DB, 19°C WB, Outdoor temperature 35°C DB, 24°C WB
 - Heating : Indoor temperature 20°C DB, 15°C WB, Outdoor temperature 7°C DB, 6°C WB
 - Equivalent refrigerant pipe length 5m, Level differences 0m
- 2) Select wire size based on the value of MCA
- 3) Sound 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 condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741
- 5) These products contain R32(GWP=675) which is fluorinated greenhouse gas.
- 6) 'MWR-WG00*N' is new wired remote control type(Graphic).
If you need the latest control system information, please refer to SAC control TDB.

2. Summary Table

Wind-Free 1Way Cassette

Performance Characteristics

Model Code	Net Weight (kg)	Capacity			Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC026RN1DKG/EU	9.5	Max.	3.80	4.40	High	7.3	32	54
		Std.	2.60	3.30	Mid	6.5	29	
		Min.	0.82	0.98	Low	5.8	26	
AC035RN1DKG/EU	9.5	Max.	4.20	5.00	High	9.0	35	57
		Std.	3.50	4.00	Mid	8.2	32	
		Min.	0.85	1.00	Low	7.2	29	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Maximum Input Current [A]				Power Supply	
Indoor Unit	Outdoor Unit	Rated	Voltage range			Outdoor Unit		Indoor Unit	Total	MCA	MFA
		Hz	Volts	Min.	Max.	Cooling	Heating				
AC026RN1DKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC035RN1DKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5

NOTE

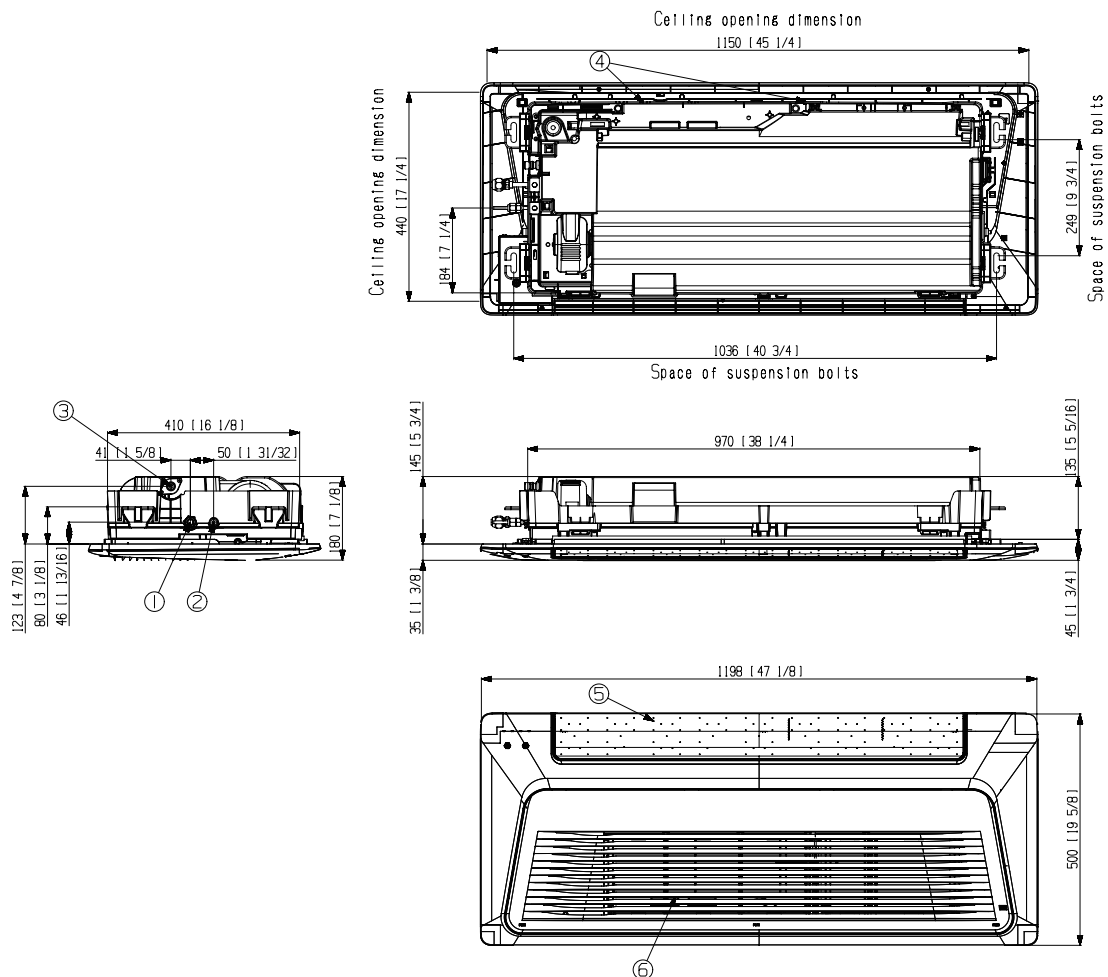
- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

4. Dimensional Drawing

Wind-Free 1Way Cassette

AC026/035RN1DKG/EU

Units : mm [inches]



No.	Name	Description
1	Gas pipe connection	Φ 9.52 (3/8)
2	Liquid pipe connection	Φ 6.35 (1/4)
3	Drain pipe connection	VP-20 (OD26, ID20)
4	Power supply & Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

NOTE

- As for suspension bolt, please use M8 ~ M10.
(Procured at local site)

1. Summary Table

Outdoor Units

Performance Characteristics

Capacity kW	Model Code	Net Size (WxHxD mm)	Net Weight (kg)	Airflow (CMM)	Sound Pressure Level (dBA)		Sound Power Level (dBA)
					Cooling	Heating	
2.6	AC026RXADKG/EU	790 x 548 x 285	32.5	29	46	47	59
3.5	AC035RXADKG/EU	790 x 548 x 285	32.5	30	48	48	61
5.2	AC052RXADKG/EU	880 x 638 x 310	43.0	40	48	48	62
7.1	AC071RXADKG/EU	880 x 798 x 310	51.0	51	49	51	65
10.0	AC100RXAD*G/EU	940 x 998 x 330	72.0	72	52	54	69
12.0	AC120RXAD*G/EU	940 x 998 x 330	77.0	72	54	56	70
13.4	AC140RXAD*G/EU	940 x 1,210 x 330	87.0	110	53	54	69

NOTE

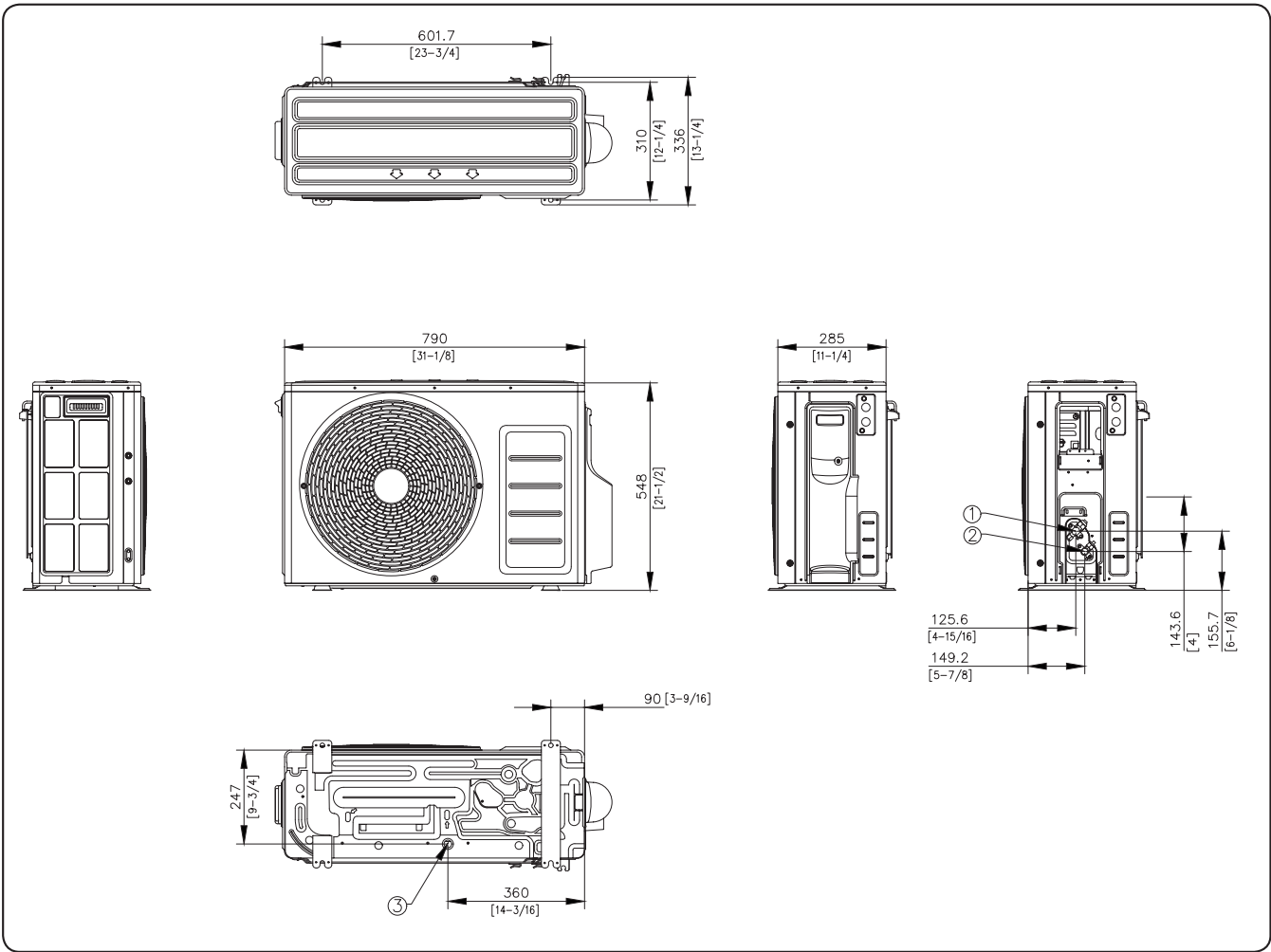
- Sound power level is based on cooling operation.

2. Dimensional Drawing

Outdoor Units

AC026/035RXADKG/EU

Units : mm [inches]



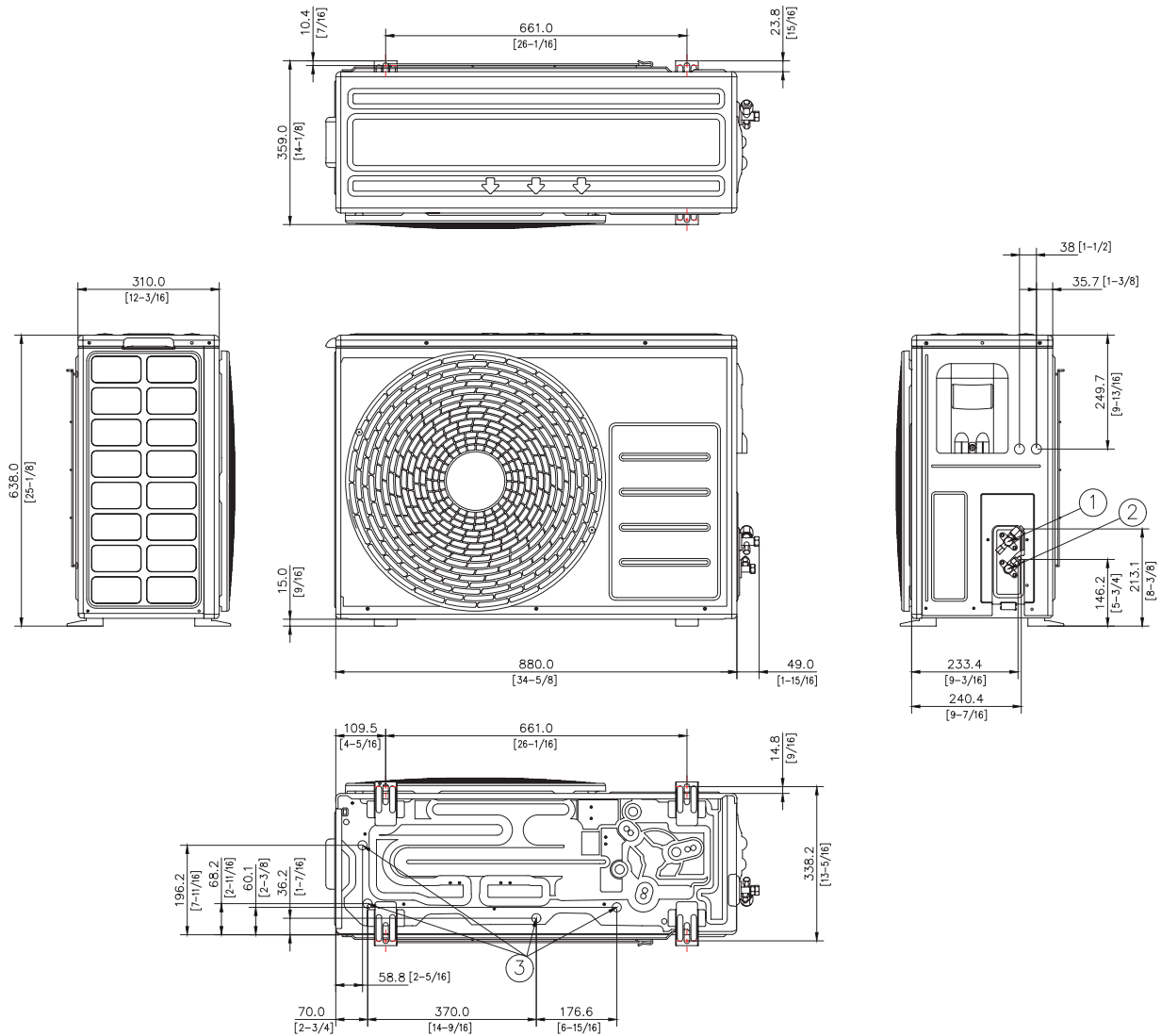
No.	Name	Description
1	Refrigerant gas pipe	Φ9.52(3/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

2. Dimensional Drawing

Outdoor Units

AC052RXADKG/EU

Units : mm [inches]



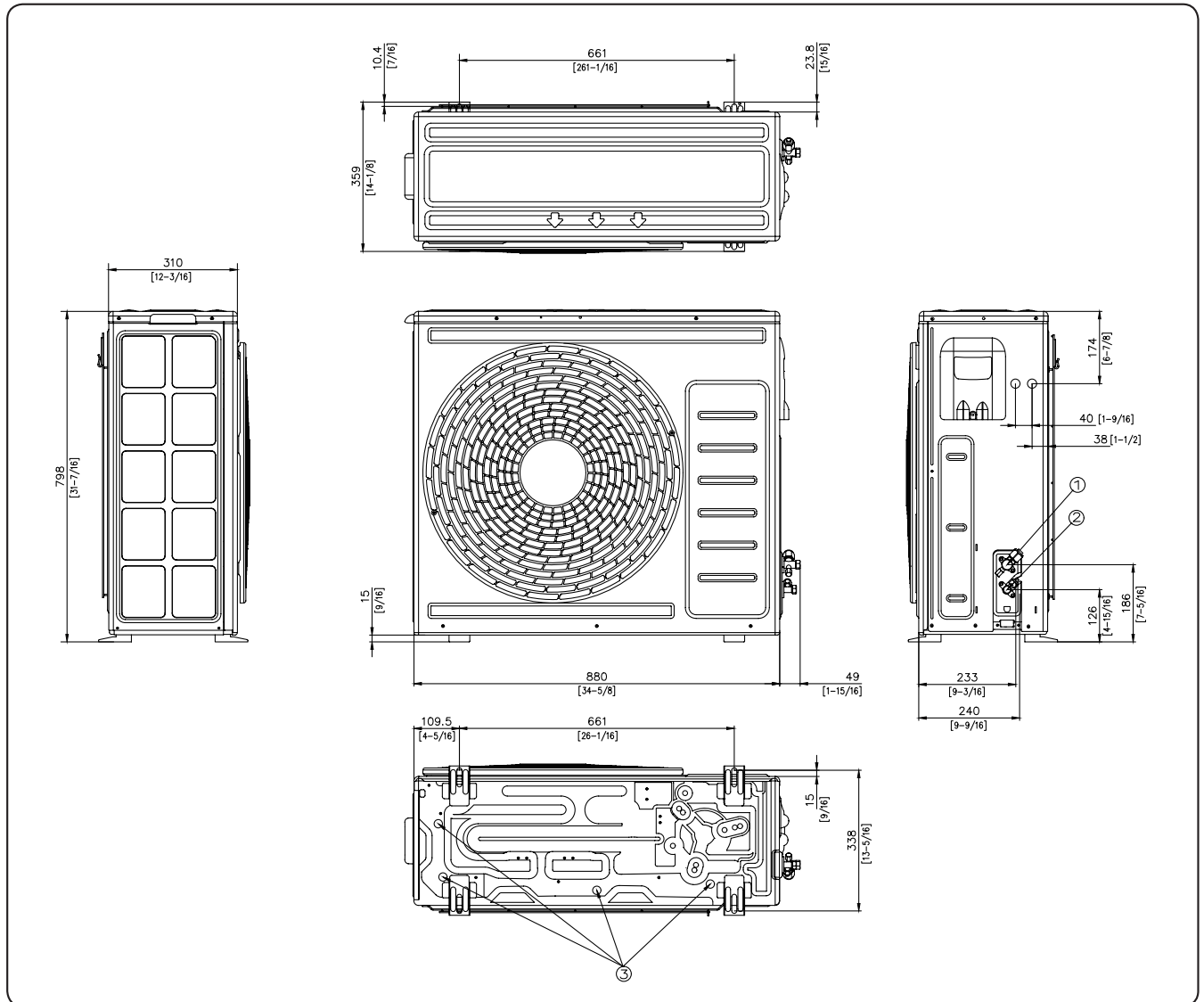
No.	Name	Description
1	Refrigerant gas pipe	Φ12.7(1/2)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Φ20

2. Dimensional Drawing

Outdoor Units

AC071RXADKG/EU

Units : mm [inches]



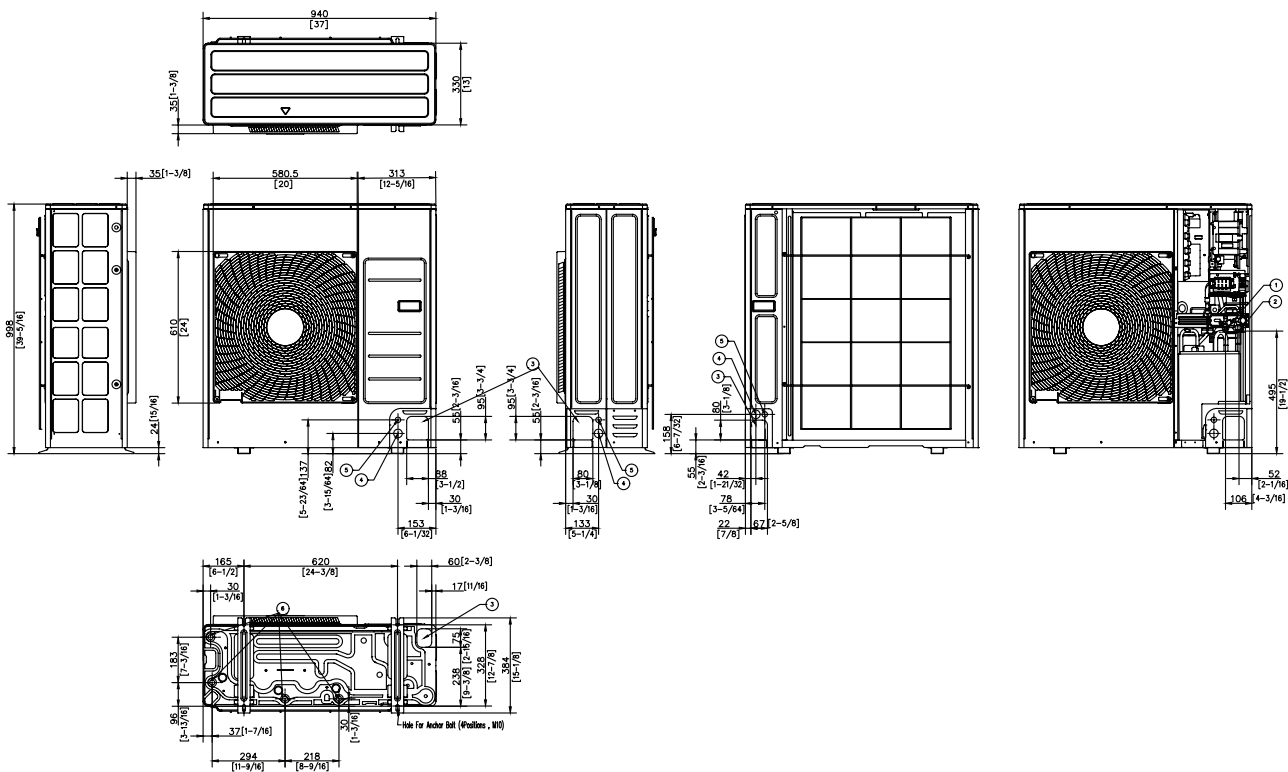
No.	Name	Description
1	Refrigerant gas pipe	Φ15.88(5/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

2. Dimensional Drawing

Outdoor Units

AC100/120RXAD*G/EU

Units : mm [inches]



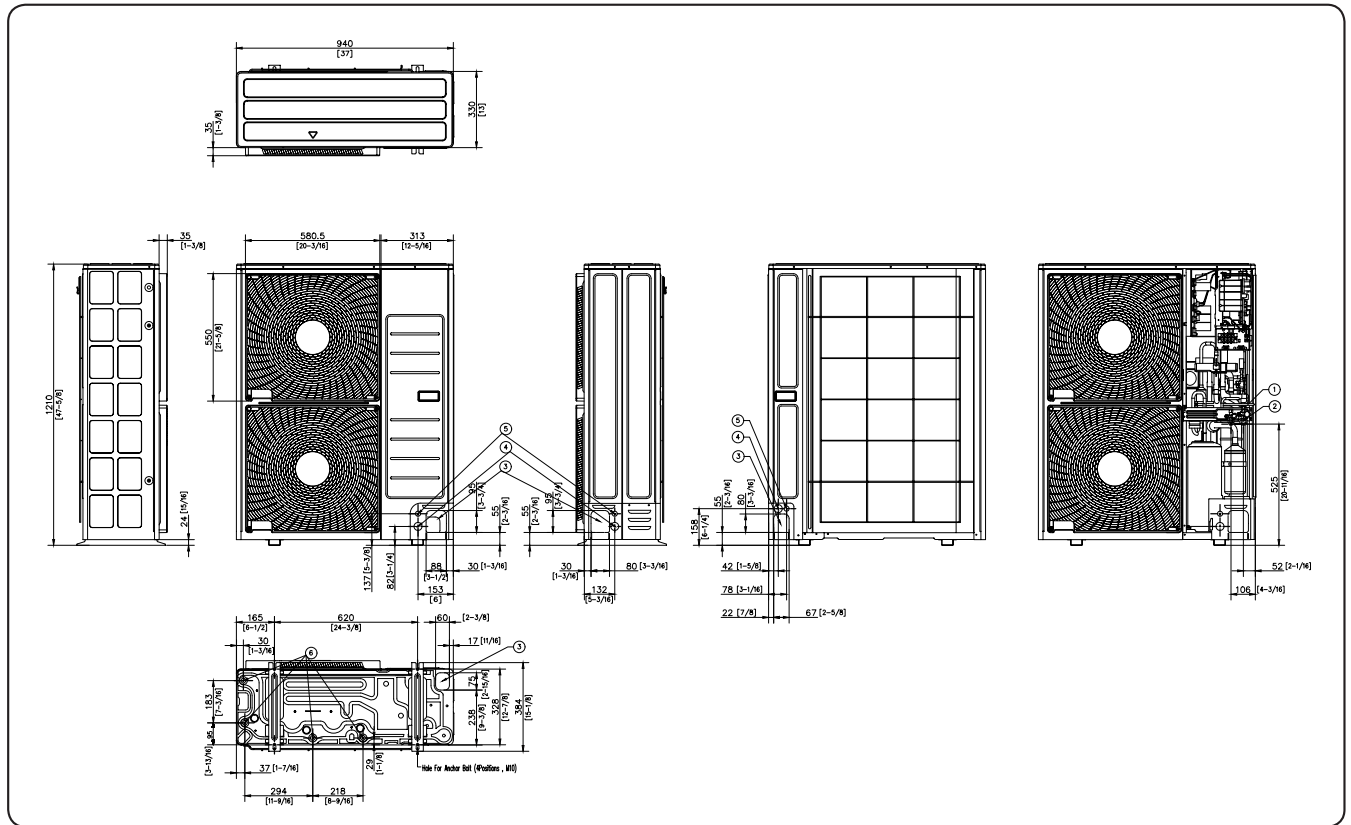
No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Ø15.88 (5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear / Ø34 (1-3/8)
5	Communication wiring conduit	Front / Side / Rear / Ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.

2. Dimensional Drawing

Outdoor Units

AC140RXAD*G/EU

Units : mm [inches]



No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Ø15.88 (5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear / Ø34 (1-3/8)
5	Communication wiring conduit	Front / Side / Rear / Ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.