

1. Specification

Wind-Free 4Way Cassette (600x600)

System	Model Name	Indoor Unit		AC026RNNDKG/EU		AC035RNNDKG/EU		
	Outdoor Unit			AC026RXADKG/EU		AC035RXADKG/EU		
	Mode			-	HEAT PUMP		HEAT PUMP	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.87 / 2.60 / 4.10		0.88 / 3.50 / 4.50	
				Btu/h	2,970 / 8,870 / 13,990		3,000 / 11,940 / 15,350	
			Heating	kW	0.98 / 3.40 / 4.10		1.00 / 4.00 / 4.80	
				Btu/h	3,340 / 11,600 / 13,990		3,410 / 13,650 / 16,380	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.67 / 1.20		0.18 / 1.03 / 1.40	
			Heating	kW	0.20 / 0.92 / 1.45		0.19 / 1.20 / 1.80	
		Current Input (Min/Std/Max)	Cooling	A	1.3 / 3.5 / 5.5		1.4 / 5.0 / 6.0	
			Heating	A	1.3 / 4.6 / 7.0		1.3 / 5.7 / 10.5	
		Current	MCA	A	11.0		11.0	
			MFA	A	12.5		12.5	
	Efficiency	EER	Cooling	-	3.88		3.40	
		COP	Heating	-	3.69		3.33	
		SEER (Cooling Energy Grade)		-	7.1 (A++)		7.0 (A++)	
		SCOP (Heating Energy Grade)		-	4.3 (A+)		4.3 (A+)	
		Pdesignh		kW	2.1		2.1	
	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.	mm²	0.75		0.75	
			Remark	-	F1, F2		F1, F2	
	Refrigerant	Type		-	R32		R32	
		Factory Charging		kg	0.9		0.9	
				tCO₂e	0.61		0.61	
Indoor Unit	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		-	Turbo Fan		Turbo Fan	
		Quantity		EA	1		1	
		Air Flow Rate	Cooling (H/M/L)	m³/min	8.0 / 7.0 / 6.0		9.2 / 8.0 / 6.4	
				l/s	133.3 / 116.6 / 100		153.3 / 133.3 / 106.6	
			Heating (H/M/L)	m³/min	10.0 / 9.0 / 8.0		10.4 / 9.0 / 7.8	
				l/s	166.6 / 150 / 133.3		173.3 / 150 / 130	
	Fan Motor	Type		-	BLDC		BLDC	
Output		W x n	65		65			

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Indoor Unit	Model Name	Indoor Unit		AC026RNNDKG/EU	AC035RNNDKG/EU
		Outdoor Unit		AC026RXADKG/EU	AC035RXADKG/EU
	Drain	Drain Pipe	Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	31 / 28 / 25
		Sound Power Level		dB(A)	48
	External Dimension	Net Weight		kg	11.5
		Shipping Weight		kg	14.0
		Net Dimensions (WxHxD)		mm	575 x 250 x 575
		Shipping Dimensions (WxHxD)		mm	623 x 298 x 653
	Casing	Material	-	Polypropylene	Polypropylene
	Panel (1)	Model Name	-	PC4SUFMAN	PC4SUFMAN
		Type	-	Wind-Free Type	Wind-Free Type
		Material	-	HIPS	HIPS
		Color	-	DA White	DA White
		Net Weight	kg	2.7	2.7
		Shipping Weight	kg	3.9	3.9
		Net Dimensions (WxHxD)	mm	620 x 46 x 620	620 x 46 x 620
		Shipping Dimensions (WxHxD)	mm	670 x 120 x 655	670 x 120 x 655
	Panel (2)	Model Name	-	PC4SUSMBN	PC4SUSMBN
		Type	-	Waffle Type	Waffle Type
		Material	-	HIPS	HIPS
		Color	-	Victory gray	Victory gray
		Net Weight	kg	2.3	2.3
		Shipping Weight	kg	3.5	3.5
		Net Dimensions (WxHxD)	mm	620 x 45 x 620	620 x 45 x 620
		Shipping Dimensions (WxHxD)	mm	661 x 106 x 671	661 x 106 x 671
	Panel (3)	Model Name	-	PC4SUSMFN	PC4SUSMFN
		Type	-	Stripe Type	Stripe Type
		Material	-	HIPS	HIPS
		Color	-	Victory gray	Victory gray
		Net Weight	kg	2.3	2.3
		Shipping Weight	kg	3.5	3.5
		Net Dimensions (WxHxD)	mm	620 x 45 x 620	620 x 45 x 620
		Shipping Dimensions (WxHxD)	mm	661 x 106 x 671	661 x 106 x 671
	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
		Virus Doctor		-	Option

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Wind-Free 4Way Cassette (600x600)

Outdoor Unit	Model Name			Indoor Unit	AC026RNNDKG/EU	AC035RNNDKG/EU
				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		m ³ /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.

1. Specification

Wind-Free 4Way Cassette (600x600)

System	Model Name	Indoor Unit		AC052RNNDKG/EU	AC071RNNDKG/EU	
		Outdoor Unit		AC052RXADKG/EU	AC071RXADKG/EU	
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.30 / 5.00 / 6.20	1.50 / 6.80 / 8.30
				Btu/h	4,430 / 17,060 / 21,150	5,120 / 23,200 / 28,320
			Heating	kW	1.30 / 5.50 / 7.50	1.90 / 7.50 / 9.00
				Btu/h	4,430 / 18,760 / 25,590	6,480 / 25,590 / 30,710
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.31 / 1.53 / 2.10	0.35 / 2.75 / 3.60
			Heating	kW	0.35 / 1.52 / 2.40	0.35 / 2.80 / 3.95
		Current Input (Min/Std/Max)	Cooling	A	2.6 / 7.0 / 9.5	2.0 / 12.0 / 16.0
			Heating	A	2.9 / 7.0 / 11.0	2.0 / 12.0 / 17.0
		Current	MCA	A	17.5	17.5
			MFA	A	20.6	20.6
	Efficiency	EER	Cooling	-	3.27	2.47
		COP	Heating	-	3.62	2.68
		SEER (Cooling Energy Grade)		-	6.7 (A++)	6.1 (A++)
		SCOP (Heating Energy Grade)		-	4.2 (A+)	3.8 (A)
		Pdesignh		kW	2.4	4.0
	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)	12.7 (1/2)	15.88 (5/8)
		Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	m	5	5
			Max.	m	30	50
			Elevation	m	20	30
	Chargeless		m	10	15	
	Wiring connections	Communication	Min.	mm²	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R32	R32
		Factory Charging		kg	1.2	1.7
				tCO ₂ e	0.81	1.15
Indoor Unit	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		-	Turbo Fan	Turbo Fan
		Quantity		EA	1	1
		Air Flow Rate	Cooling (H/M/L)	m³/min	10.5 / 9.5 / 8.5	11.5 / 10.5 / 9.5
				l/s	175 / 158.3 / 141.6	191.6 / 175 / 158.3
			Heating (H/M/L)	m³/min	10.5 / 9.5 / 8.5	11.5 / 10.5 / 9.5
				l/s	175 / 158.3 / 141.6	191.6 / 175 / 158.3
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	65	65

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Wind-Free 4Way Cassette (600x600)

Indoor Unit	Model Name	Indoor Unit			AC052RNNDKG/EU	AC071RNNDKG/EU
		Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU
	Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	39 / 34 / 29	42 / 39 / 36
		Sound Power Level		dB(A)	56	58
	External Dimension	Net Weight		kg	12.0	12.0
		Shipping Weight		kg	14.2	14.2
		Net Dimensions (WxHxD)		mm	575 x 250 x 575	575 x 250 x 575
		Shipping Dimensions (WxHxD)		mm	623 x 298 x 653	623 x 298 x 653
	Casing	Material		-	Polypropylene	Polypropylene
	Panel (1)	Model Name		-	PC4SUFMAN	PC4SUFMAN
		Type		-	Wind-Free Type	Wind-Free Type
		Material		-	HIPS	HIPS
		Color		-	DA White	DA White
		Net Weight		kg	2.7	2.7
		Shipping Weight		kg	3.9	3.9
		Net Dimensions (WxHxD)		mm	620 x 46 x 620	620 x 46 x 620
		Shipping Dimensions (WxHxD)		mm	670 x 120 x 655	670 x 120 x 655
	Panel (2)	Model Name		-	PC4SUSMBN	PC4SUSMBN
		Type		-	Waffle Type	Waffle Type
		Material		-	HIPS	HIPS
		Color		-	Victory gray	Victory gray
		Net Weight		kg	2.3	2.3
		Shipping Weight		kg	3.5	3.5
		Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
		Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
	Panel (3)	Model Name		-	PC4SUSMFN	PC4SUSMFN
		Type		-	Stripe Type	Stripe Type
		Material		-	HIPS	HIPS
		Color		-	Victory gray	Victory gray
		Net Weight		kg	2.3	2.3
		Shipping Weight		kg	3.5	3.5
		Net Dimensions (WxHxD)		mm	620 x 45 x 620	620 x 45 x 620
		Shipping Dimensions (WxHxD)		mm	661 x 106 x 671	661 x 106 x 671
	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		-	Option	Option

1. Specification

Wind-Free 4Way Cassette (600x600)

Outdoor Unit	Model Name		Indoor Unit		AC052RNNDKG/EU	AC071RNNDKG/EU
			Outdoor Unit		AC052RXADKG/EU	AC071RXADKG/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			UB9TK3150FE4	UG4T200FUA4
		Type		-	Twin BLDC	Twin BLDC
		Output		kW	1.51	1.89
		Oil	Type	-	POE	POE
			Initial charge	cc	500	650
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m ³ /min	40	51
				l/s	667	850
	Fan Motor	Type		-	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	48	49
			Heating	dB(A)	48	51
		Sound Power Level		dB(A)	62	65
	External Dimension	Net Weight		kg	43.5	51.0
		Shipping Weight		kg	46.5	55.0
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310
		Shipping Dimensions (WxHxD)		mm	1,023 x 742 x 413	1,023 x 896 x 413
	Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50
		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 4Way Cassette (600x600)

Performance Characteristics

Model Code	Net Weight (kg)	Capacity			Fan Speed	Airflow (CMM)	Sound Pressure Level (dBA)	Sound Power Level (dBA)
			Cooling (kW)	Heating (kW)				
AC026RNNDKG/EU	11.4	Max.	4.10	4.10	High	8.0	31	48
		Std.	2.60	3.40	Mid	7.0	28	
		Min.	0.87	0.98	Low	6.0	25	
AC035RNNDKG/EU	11.4	Max.	4.50	4.80	High	9.2	34	50
		Std.	3.50	4.00	Mid	8.0	30	
		Min.	0.88	1.00	Low	6.4	25	
AC052RNNDKG/EU	11.6	Max.	6.20	7.50	High	10.5	39	56
		Std.	5.00	5.50	Mid	9.5	34	
		Min.	1.30	1.30	Low	8.5	29	
AC071RNNDKG/EU	11.8	Max.	8.30	9.00	High	11.5	42	58
		Std.	6.80	7.50	Mid	10.5	39	
		Min.	1.50	1.90	Low	9.5	36	

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model		Outdoor Unit				Input Current (Amperes)				Power Supply	
Indoor Unit	Outdoor Unit	Rated	Voltage range			Outdoor Unit		Indoor Unit	Total	MCA(A)	MFA(A)
		Hz	Volts	Min.	Max.	Cooling	Heating				
AC026RNNDKG/EU	AC026RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC035RNNDKG/EU	AC035RXADKG/EU	50	220 to 240	198	264	10	10	1.0	11.0	11.0	12.5
AC052RNNDKG/EU	AC052RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.0	17.5	17.5	20.6
AC071RNNDKG/EU	AC071RXADKG/EU	50	220 to 240	198	264	16.5	16.5	1.0	17.5	17.5	20.6

NOTE

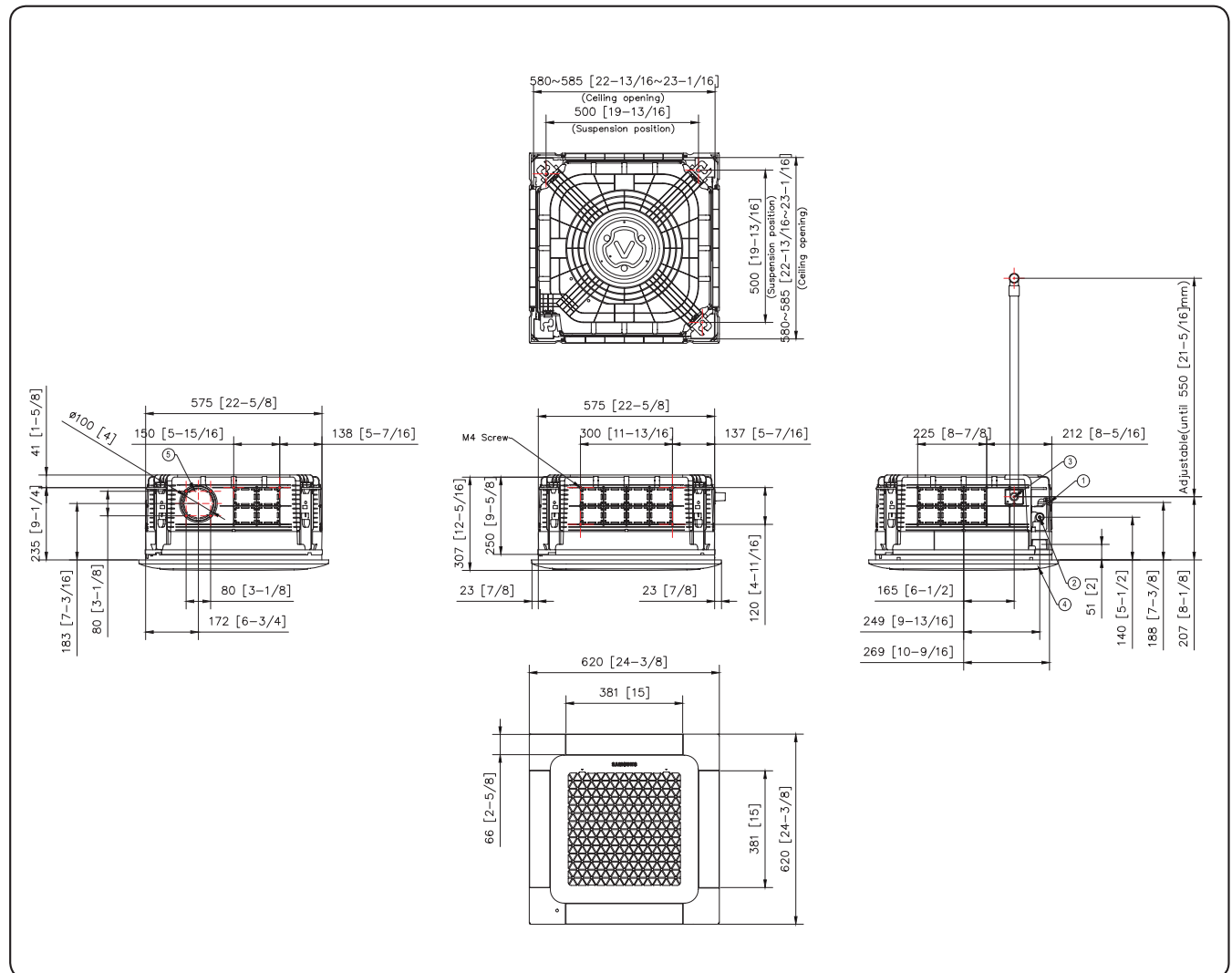
- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

4. Dimensional Drawing

Wind-Free 4Way Cassette (600x600)

AC026/035/052/071RNNDKG/EU

Units : mm [inches]



No.	Name	Description		
		AC026/035RNNDKG/EU	AC052RNNDKG/EU	AC071RNNDKG/EU
1	Liquid pipe connection	Φ6.35(1/4)		
2	Gas pipe connection	Φ9.52(3/8)	Φ12.7(1/2)	Φ15.88(3/8)
3	Drain pipe connection	VP-25(OD32, ID25)		
4	Power supply & Communication wiring conduit			
5	Sub duct connection	Use M4 Screw		
6	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw		

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

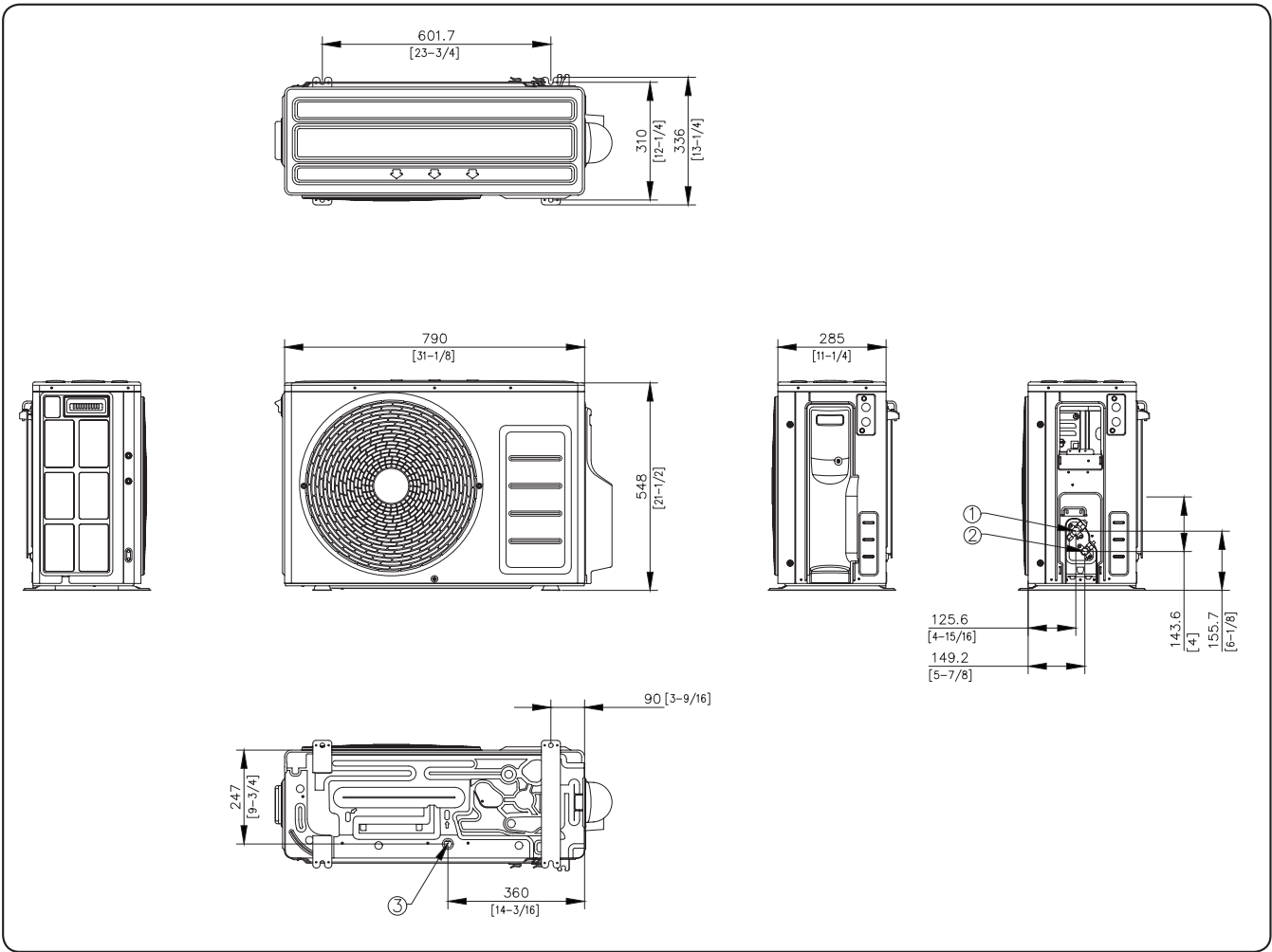
- Sound power level is based on cooling operation.

2. Dimensional Drawing

Outdoor Units

AC026/035RXADKG/EU

Units : mm [inches]



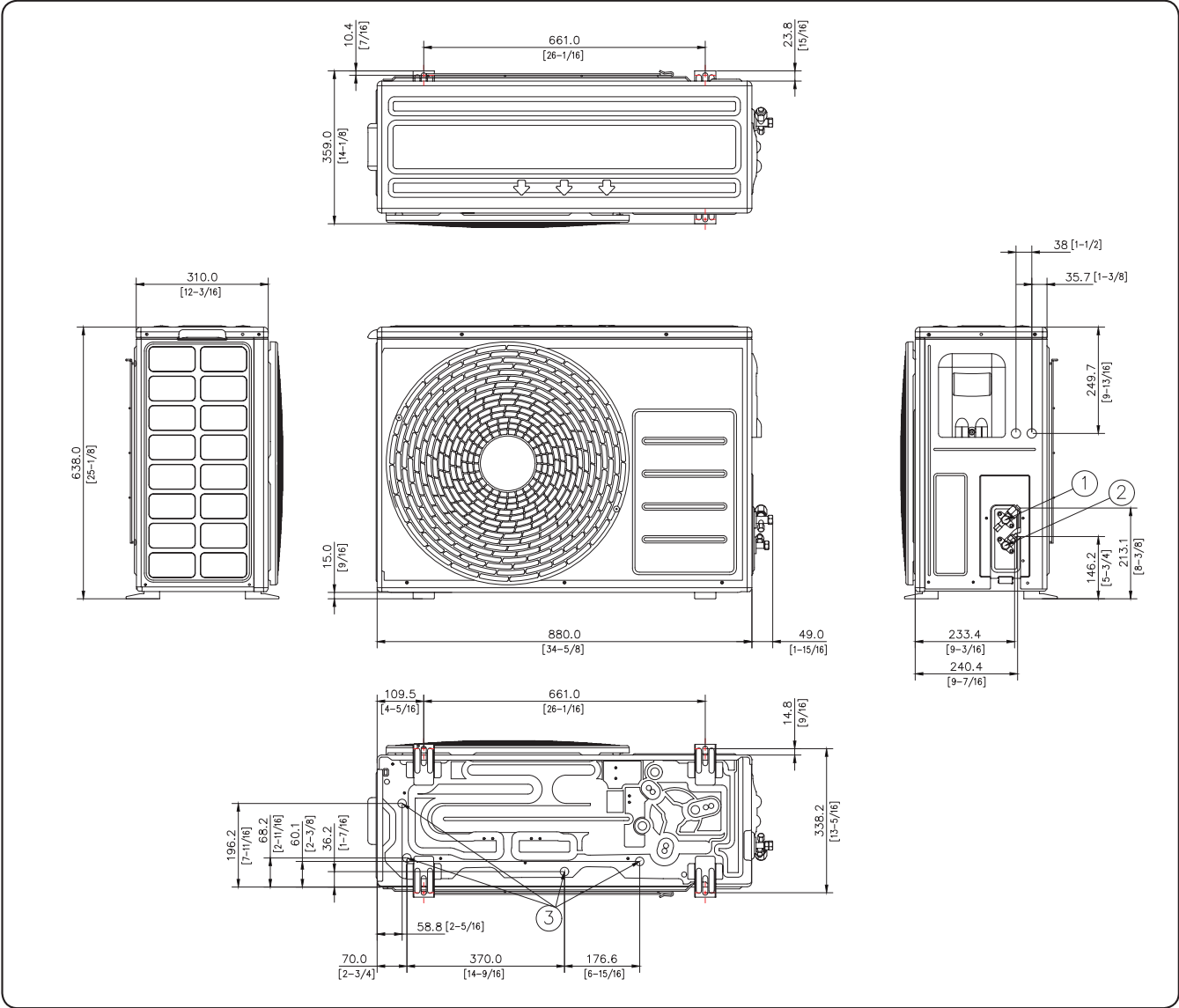
No.	Name	Description
1	Refrigerant gas pipe	Φ9.52(3/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

2. Dimensional Drawing

Outdoor Units

AC052RXADKG/EU

Units : mm [inches]



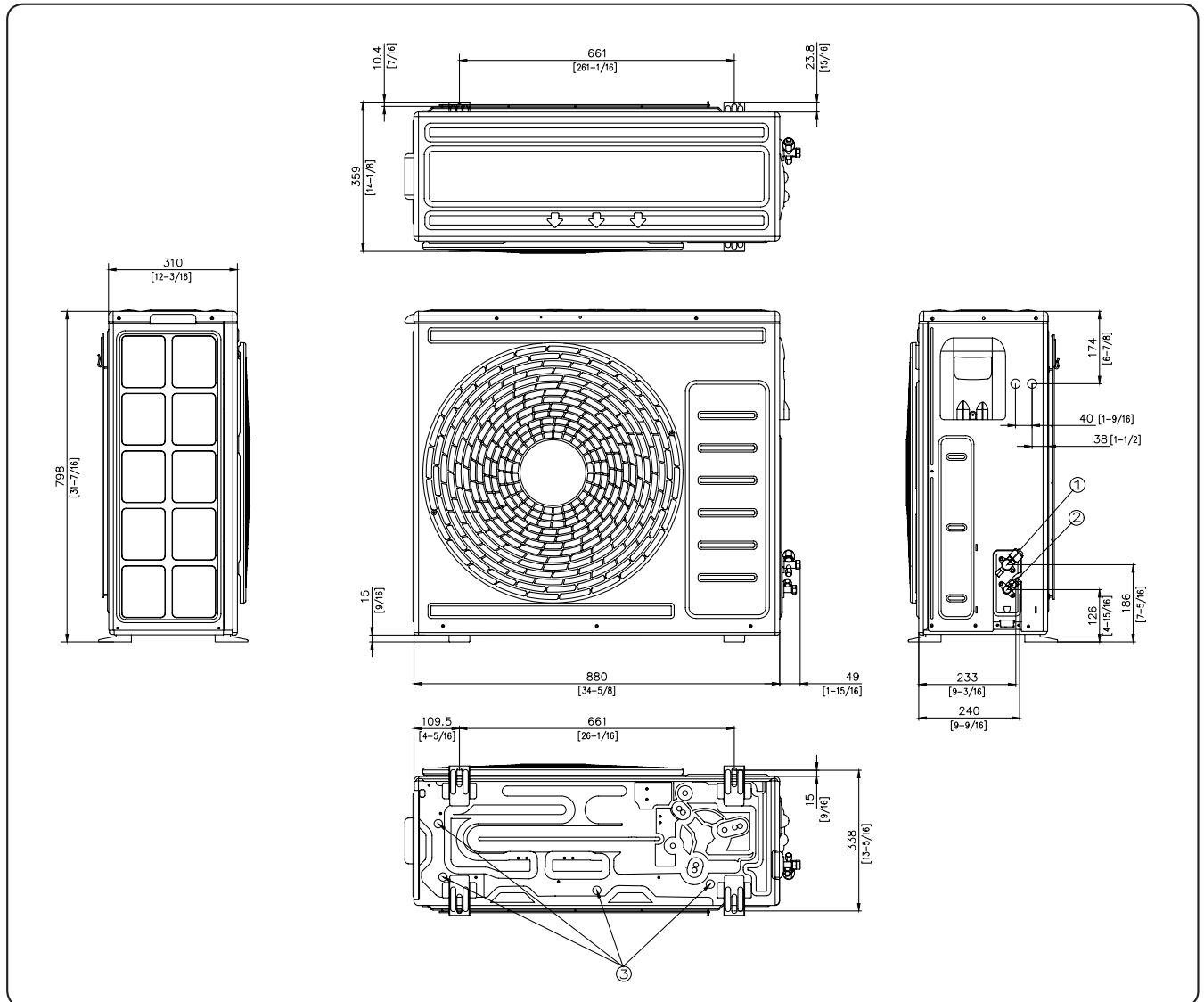
No.	Name	Description
1	Refrigerant gas pipe	Φ12.7(1/2)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Φ20

2. Dimensional Drawing

Outdoor Units

AC071RXADKG/EU

Units : mm [inches]



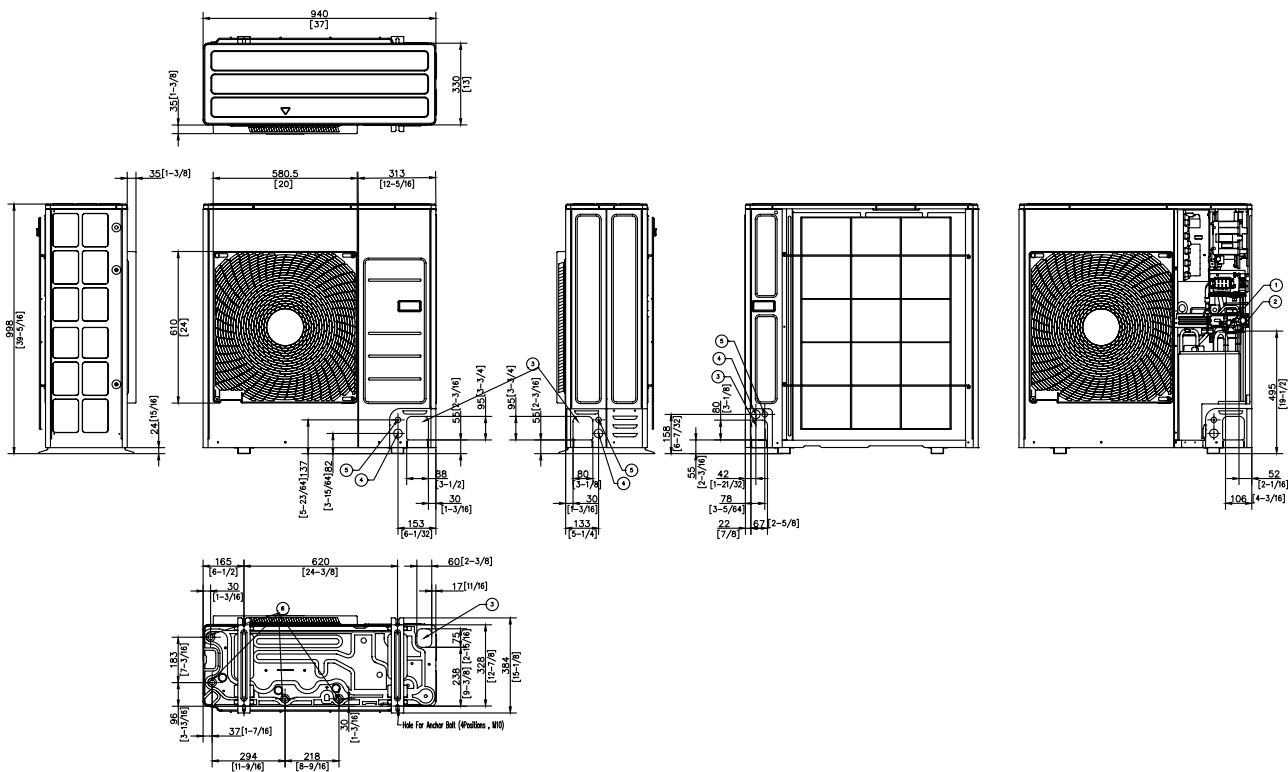
No.	Name	Description
1	Refrigerant gas pipe	Φ15.88(5/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

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.

