

1. Specification

Wind-Free 4Way Cassette (600x600)

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.	30	50
Elevation			20	30	
Chargeless			10	15	
Wiring connections	Communication	Min.	mm ²	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	
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)	m ³ /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)	m ³ /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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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	-	-	-
	Drain Pump	Max. lifting Height / Displacement	mm / Liter / h	-	-
		Air Filter	-	Removable / Washable	Removable / Washable
	Virus Doctor	-	Option	Option	

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Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
Heat Exchanger	Type		-	Fin & Tube
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model Name		UB9TK3150FE4	UG4T200FUA4E4
	Type		-	Twin BLDC
	Output		kW	1.51
	Oil	Type	-	POE
		Initial charge	cc	500
Fan	Type		-	Propeller
	Discharge direction		-	Front
	Quantity		EA	1
	Air Flow Rate		m ³ /min	40
			l/s	667
Fan Motor	Type		-	BLDC Motor
	Output		W x n	125 x 1
Sound	Sound Pressure Level	Cooling	dB(A)	48
		Heating	dB(A)	51
	Sound Power Level		dB(A)	62
External Dimension	Net Weight		kg	43.5
	Shipping Weight		kg	46.5
	Net Dimensions (WxHxD)		mm	880 x 638 x 310
	Shipping Dimensions (WxHxD)		mm	1,023 x 742 x 413
Casing	Material	Body	-	EGI Steel Plate
	Operating Temp. Range		°C	-15 ~ 50
			°C	-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.