

# 1. Specification

## Wind-Free 4Way Cassette

	Model Name		Indoor Unit	AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC100RN4DKG/EU	
			Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	
System	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.00 / 5.00 / 6.50	1.50 / 7.10 / 8.70	3.0 / 10.0 / 12.0	3.0 / 10.0 / 12.0
				Btu/h	3,410 / 17,060 / 22,180	5,120 / 24,230 / 29,680	10,240 / 34,120 / 41,000	10,240 / 34,120 / 41,000
			Heating	kW	1.00 / 6.00 / 7.00	1.90 / 8.00 / 9.00	2.2 / 11.2 / 15.5	2.2 / 11.2 / 15.5
				Btu/h	3,410 / 20,470 / 23,880	6,480 / 27,300 / 30,710	7,500 / 38,210 / 52,900	7,500 / 38,210 / 52,900
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.33 / 1.43 / 2.30	0.35 / 2.38 / 3.60	0.60 / 3.42 / 4.70	0.60 / 3.32 / 4.70
			Heating	kW	0.25 / 1.49 / 2.50	0.35 / 2.45 / 3.95	0.46 / 3.10 / 5.40	0.46 / 3.03 / 5.40
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 6.5 / 9.5	2.0 / 10.3 / 16.0	3.0 / 15.2 / 20.4	1.5 / 5.5 / 7.1
			Heating	A	1.5 / 6.8 / 12.0	2.0 / 10.7 / 17.0	2.5 / 13.6 / 23.0	1.2 / 5.1 / 8.4
		Current	MCA	A	17.5	17.5	25.0	17.1
			MFA	A	20.6	20.6	30.0	17.1
	Efficiency	EER	Cooling	-	3.50	2.98	2.92	3.01
		COP	Heating	-	4.03	3.27	3.61	3.69
		SEER (Cooling Energy Grade)		-	7.6 (A++)	6.7 (A++)	7.0 (A++)	7.0 (A++)
		SCOP (Heating Energy Grade)		-	4.3 (A+)	4.2 (A+)	4.3 (A+)	4.3 (A+)
		Pdesignh		kW	2.6	4.5	5.3	5.3
	Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe	Type		Flare connection	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)		12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Heat Insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	
Piping length (ODU-IDU)		Standard	m		5	5	5	5
			Max.	m	30	50	50	50
			Elevation	m	20	30	30	30
	Chargeless		m	10	15	30	30	
Wiring connections	Communication	Min.	mm <sup>2</sup>	0.75	0.75	0.75	0.75	
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	
Refrigerant	Type		-	R32	R32	R32	R32	
	Factory Charging	kg		1.2	1.7	2.7	2.7	
		tCO <sub>2</sub> e		0.81	1.15	1.82	1.82	
Indoor Unit	Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
	Heat Exchanger	Type		-	F&T	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al	Al
			Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile	Green Hydrophile	
	Fan	Type		-	Turbo Fan	Turbo Fan	Turbo	Turbo
		Quantity		EA	1	1	1	1
		Air Flow Rate	Cooling (H/M/L)	m <sup>3</sup> /min	15.0 / 14.0 / 13.0	19.5 / 16.5 / 14.5	31.0 / 25.0 / 19.0	31.0 / 25.0 / 19.0
				l/s	250 / 233.3 / 216.6	325 / 275 / 241.6	517 / 417 / 317	517 / 417 / 317
			Heating (H/M/L)	m <sup>3</sup> /min	15.0 / 14.0 / 13.0	19.5 / 16.5 / 14.5	31.0 / 25.0 / 19.0	31.0 / 25.0 / 19.0
	l/s			250 / 233.3 / 216.6	325 / 275 / 241.6	517 / 417 / 317	517 / 417 / 317	
	Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
Output		W x n	65	65	97 x 1	97 x 1		

# 1. Specification

## Wind-Free 4Way Cassette

Model Name	Indoor Unit			AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC100RN4DKG/EU
	Outdoor Unit			AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU
Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	33 / 31 / 29	36 / 33 / 29	44 / 39 / 33	44 / 39 / 33
	Sound Power Level		dB(A)	49	53	61	61
External Dimension	Net Weight		kg	14.5	14.5	18.0	18.0
	Shipping Weight		kg	18.5	18.5	22.0	22.0
	Net Dimensions (WxHxD)		mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (WxHxD)		mm	898 x 275 x 898	898 x 275 x 898	898 x 357 x 898	898 x 357 x 898
Casing	Material		-	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Panel (1)	Model Name		-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Type		-	Wind-Free Type	Wind-Free Type	Wind-Free Type	Wind-Free Type
	Material		-	HIPS	HIPS	HIPS	HIPS
	Color		-	DA White	DA White	DA White	DA White
	Net Weight		kg	6.3	6.3	6.3	6.3
	Shipping Weight		kg	8.7	8.7	8.7	8.7
	Net Dimensions (WxHxD)		mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Shipping Dimensions (WxHxD)		mm	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000
Panel (2)	Model Name		-	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Type		-	Waffle Type	Waffle Type	Waffle Type	Waffle Type
	Material		-	HIPS	HIPS	HIPS	HIPS
	Color		-	White	White	White	White
	Net Weight		kg	5.9	5.9	5.9	5.9
	Shipping Weight		kg	8	8	8	8
	Net Dimensions (WxHxD)		mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD)		mm	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Panel (3)	Model Name		-	PC4NBSKAN	PC4NBSKAN	PC4NBSKAN	PC4NBSKAN
	Type		-	Waffle Type	Waffle Type	Waffle Type	Waffle Type
	Material		-	HIPS	HIPS	HIPS	HIPS
	Color		-	Black	Black	Black	Black
	Net Weight		kg	5.9	5.9	5.9	5.9
	Shipping Weight		kg	8	8	8	8
	Net Dimensions (WxHxD)		mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD)		mm	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Panel (4)	Model Name		-	PC4NUSKEN	PC4NUSKEN	PC4NUSKEN	PC4NUSKEN
	Type		-	Stripe Type	Stripe Type	Stripe Type	Stripe Type
	Material		-	ABS	ABS	ABS	ABS
	Color		-	White	White	White	White
	Net Weight		kg	5.9	5.9	5.9	5.9
	Shipping Weight		kg	8	8	8	8
	Net Dimensions (WxHxD)		mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD)		mm	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Control System	Infrared remote control		-	AR-EH03E	AR-EH03E	AR-EH03E	AR-EH03E
	Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
Drain Pump	Drain Pump		-	Included	Included	Included	Included
	Max. lifting Height / Displacement		mm / Liter / h	750/24	750/24	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	Removable / Washable	Removable / Washable
Virus Doctor		-	Option	Option	Option	Option	

# 1. Specification

## Wind-Free 4Way Cassette

	Model Name		Indoor Unit	AC052RN4DKG/EU	AC071RN4DKG/EU	AC100RN4DKG/EU	AC100RN4DKG/EU	
			Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	3, 4, 380-415, 50	
	Heat Exchanger	Type	-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube	
		Material	Fin	-	Al	Al	Al	Al
			Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	
	Compressor	Model Name		-	UB9TK3150FE4	UB4TN8200FE4	UB8TN8300FJU	UB8TN8300FJU
		Type		-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Output		kW	1.51	1.89	2.91	2.91
		Oil	Type	-	POE	POE	POE	POE
	Initial charge		cc	500	650	1,200	1,200	
	Fan	Type		-	Propeller	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front	Front
		Quantity		EA	1	1	1	1
		Air Flow Rate			m <sup>3</sup> /min	40	51	72
			l/s	667	850	1,200	1,200	
	Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1	125 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	48	49	52	52
			Heating	dB(A)	48	51	54	54
		Sound Power Level		dB(A)	62	65	69	69
External Dimension	Net Weight		kg	43.0	51.0	75.0	74.0	
	Shipping Weight		kg	46.5	55.0	80.0	79.0	
	Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	
	Shipping Dimensions (WxHxD)		mm	1,023 x 742 x 413	1,023 x 896 x 413	995 x 1,096 x 426	995 x 1,096 x 426	
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate	
Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	
	Heating		°C	-20 ~ 24	-20 ~ 24	-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.