

1. Specification

Wind-Free 1Way Cassette

Model Name	Indoor Unit			AC026RN1DKG/EU	AC035RN1DKG/EU
	Outdoor Unit			AC026RXADKG/EU	AC035RXADKG/EU
Mode				-	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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Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	
Heat Exchanger	Type		-	F&T	
	Material	Fin	-	Al	
		Tube	-	Cu	
	Fin Treatment		-	Green Hydrophile	
Fan	Type		-	Crossflow Fan	
	Quantity		EA	1	
	Air Flow Rate	Cooling (H/M/L)	m ³ /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)	m ³ /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	
	Output		W x n	27	
Drain	Drain Pipe		Ø, mm	VP-20(OD26, ID20)	
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	32 / 29 / 26 / 25	
	Sound Power Level		dB(A)	52	
External Dimension	Net Weight		kg	9.2	
	Shipping Weight		kg	12.0	
	Net Dimensions (WxHxD)		mm	970 x 135 x 410	
	Shipping Dimensions (WxHxD)		mm	1,173 x 231 x 487	
Casing	Material		-	ABS	
Panel (1)	Model Name		-	PC1NWFMAN	
	Type		-	Wind-Free Type	
	Material		-	HIPS	
	Color		-	DA White	
	Net Weight		kg	4.3	
	Shipping Weight		kg	6.3	
	Net Dimensions (WxHxD)		mm	1,198 x 35 x 500	
	Shipping Dimensions (WxHxD)		mm	1,262 x 122 x 566	
Panel (2)	Model Name		-	PC1NWSMAN	
	Type		-	Fluid Type	
	Material		-	ABS	
	Color		-	White	
	Net Weight		kg	5.5	
	Shipping Weight		kg	7.2	
	Net Dimensions (WxHxD)		mm	1,198 x 25 x 500	
	Shipping Dimensions (WxHxD)		mm	1,275 x 152 x 580	
Control System	Infrared remote control		-	AR-EH03E	
	Wired remote control		-	MWR-WE13N MWR-WG00*N	
Drain Pump	Drain Pump		-	Included	
	Max. lifting Height / Displacement		mm / Liter / h	750/24	
Additional Accessories	Drain Pump	External Model	-	-	
		Internal Model	-	-	
	Air Filter	Max. lifting Height / Displacement	mm / Liter / h	-	-
		Virus Doctor		-	Removable / Washable

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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		°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.