

# 1. Specification

## Ceiling

System	Model Name		Indoor Unit	AC052RNCDKG/EU	AC071RNCDKG/EU		
			Outdoor Unit	AC052RXADKG/EU	AC071RXADKG/EU		
	Mode			-	HEAT PUMP	HEAT PUMP	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.20 / 5.00 / 6.50	1.50 / 7.10 / 8.70	
				Btu/h	4,100 / 17,060 / 22,180	5,120 / 24,230 / 29,690	
			Heating	kW	1.70 / 6.00 / 7.70	1.90 / 8.00 / 9.00	
				Btu/h	5,800 / 20,470 / 26,270	6,480 / 27,300 / 30,710	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.48 / 1.58 / 1.90	0.35 / 2.87 / 3.60	
			Heating	kW	0.43 / 1.92 / 3.05	0.35 / 3.05 / 3.95	
		Current Input (Min/Std/Max)	Cooling	A	2.8 / 7.2 / 9.0	2.0 / 12.4 / 16.0	
			Heating	A	2.4 / 8.5 / 14.5	2.0 / 13.2 / 17.0	
		Current	MCA	A	17.5	17.5	
			MFA	A	20.6	20.6	
	Efficiency	EER	Cooling	-	3.16	2.47	
		COP	Heating	-	3.13	2.62	
		SEER (Cooling Energy Grade)		-	6.4 (A++)	5.6 (A+)	
		SCOP (Heating Energy Grade)		-	3.9 (A)	3.9 (A)	
		Pdesignh		kW	2.4	3.5	
	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	Max.	m	5	5
				Elevation	m	30	50
	Chargeless			m	20	30	
Min.	m			10	15		
Wiring connections	Communication	Min.	mm <sup>2</sup>	0.75	0.75		
		Remark	-	F1, F2	F1, F2		
Refrigerant	Type		-	R32	R32		
	Factory Charging		kg	1.2	1.7		
			tCO <sub>2</sub> e	0.81	1.15		

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Power Supply			Ø, #, V, Hz	1,2,220-240,50
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Green Hydrophile
Fan	Type		-	Sirroco
	Quantity		EA	2
	Air Flow Rate	Cooling (H/M/L)	m <sup>3</sup> /min	12.6 / 11.3 / 10.0
			l/s	210 / 188.3 / 166.6
		Heating (H/M/L)	m <sup>3</sup> /min	12.6 / 11.3 / 10.0
l/s			210 / 188.3 / 166.6	
Fan Motor	Type		-	BLDC
	Output		W x n	40
Drain	Drain Pipe		Φ, mm	ID18mm Hose
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	41 / 39 / 36
	Sound Power Level		dB(A)	60
External Dimension	Net Weight		kg	20.0
	Shipping Weight		kg	25.0
	Net Dimensions (WxHxD)		mm	1,000 x 200 x 650
	Shipping Dimensions (WxHxD)		mm	1,074 x 294 x 726
Casing	Material		-	ABS
Control System	Infrared remote control		-	AR-EH03E (Included)
	Wired remote control		-	MWR-WE13N MWR-WG00*N
Drain Pump	Drain Pump		-	-
	Max. lifting Height / Displacement		mm / Liter / h	-
Additional Accessories	Drain Pump	External Model	-	-
		Internal Model	-	-
		Max. lifting Height / Displacement	mm / Liter / h	-
	Air Filter		-	Removable / Washable
Virus Doctor		-	-	

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Power Supply				Ø, #, V, Hz	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	UB4TN8200FE4
	Type			Twin BLDC	Twin BLDC
	Output			kW	1.51
	Oil	Type	-	POE	POE
Initial charge		cc	600	650	
Fan	Type		-	Propeller	Propeller
	Discharge direction		-	Front	Front
	Quantity		EA	1	1
	Air Flow Rate		m <sup>3</sup> /min	40	51
l/s			667	850	
Fan Motor	Type			BLDC Motor	BLDC Motor
	Output			W x n	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	43.0	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	-	EGL Steel Plate	EGL 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.