

1. Specification

Wall Mounted Type (MAX)

System	Model Name	Indoor Unit		AC100RNTDKG/EU	AC100RNTDKG/EU	
		Outdoor Unit		AC100RXADKG/EU	AC100RXADNG/EU	
	Mode			-	HEAT PUMP	HEAT PUMP
	Performance	Capacity (Min/Std/Max)	Cooling	kW	3.0 / 9.5 / 11.0	3.0 / 9.5 / 11.0
				Btu/h	10,240 / 32,420 / 37,530	10,240 / 32,420 / 37,530
			Heating	kW	2.2 / 10.8 / 15.5	2.2 / 10.8 / 15.5
				Btu/h	7,500 / 36,850 / 52,900	7,500 / 36,850 / 52,900
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.60 / 3.75 / 5.10	0.60 / 3.62 / 5.10
			Heating	kW	0.46 / 3.82 / 5.40	0.46 / 3.62 / 5.40
		Current Input (Min/Std/Max)	Cooling	A	3.0 / 16.3 / 22.5	1.5 / 5.7 / 7.7
			Heating	A	2.5 / 16.7 / 23.0	1.2 / 5.7 / 8.4
		Current	MCA	A	25.6	17.7
			MFA	A	30.0	17.7
	Efficiency	EER	Cooling	-	2.53	2.62
		COP	Heating	-	2.82	2.98
		SEER (Cooling Energy Grade)		-	5.9 (A+)	5.9 (A+)
		SCOP (Heating Energy Grade)		-	4.0 (A+)	4.0 (A+)
		Pdesignh		kW	5.6	5.6
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, mm (inch)	15.88 (5/8)	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	50	50
			Elevation	m	30	30
	Chargeless		m	30	30	
Wiring connections	Communication	Min.	mm²	0.75	0.75	
		Remark	-	F1, F2	F1, F2	
Refrigerant	Type		-	R32	R32	
	Factory Charging		kg	2.7	2.7	
			tCO ₂ e	1.82	1.82	

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Indoor Unit	Model Name	Indoor Unit		AC100RNTDKG/EU	AC100RNTDKG/EU
		Outdoor Unit		AC100RXADKG/EU	AC100RXADNG/EU
	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
		Quantity		EA	2
		Air Flow Rate	Cooling (H/M/L)	m³/min	22.7 / 19.8 / 17.8
				l/s	378 / 330 / 297
			Heating (H/M/L)	m³/min	24.0 / 21.3 / 19.2
				l/s	400 / 355 / 320
	Fan Motor	Type		-	BLDC
		Output		W x n	58 x 1
	Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)
	Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	49 / 46 / 43 / 37
		Sound Power Level		dB(A)	65
	External Dimension	Net Weight		kg	18.5
		Shipping Weight		kg	22.0
		Net Dimensions (WxHxD)		mm	1,280 x 345 x 253
		Shipping Dimensions (WxHxD)		mm	1,352 x 326 x 420
	Casing	Material		-	ABS
	Control System	Infrared remote control		-	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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Outdoor Unit	Model Name	Indoor Unit			AC100RNTDKG/EU	AC100RNTDKG/EU
		Outdoor Unit			AC100RXADKG/EU	AC100RXADNG/EU
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	3, 4, 380-415, 50
	Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name			UB8TN8300FJU	UB8TN8300FJU
		Type		-	Twin BLDC	Twin BLDC
		Output		kW	2.91	2.91
		Oil	Type	-	POE	POE
			Initial charge	cc	1,200	1,200
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m³/min	72	72
				l/s	1,200	1,200
	Fan Motor	Type		-	BLDC Motor	BLDC Motor
		Output		W x n	125 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	52	52
Heating			dB(A)	54	54	
Sound Power Level		dB(A)	69	69		
External Dimension	Net Weight		kg	75.0	74.0	
	Shipping Weight		kg	80.0	79.0	
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330	
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426	
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.