

1. Specification

360 Cassette

Model Name	Indoor Unit			AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU	
	Outdoor Unit			AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU	
Mode				-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.5 / 12.0 / 13.5	3.5 / 13.4 / 15.5	3.5 / 13.4 / 15.5	
			Btu/h	11,940 / 41,000 / 46,100	11,940 / 45,720 / 52,900	11,940 / 45,720 / 52,900	
		Heating	kW	3.5 / 13.2 / 15.5	3.5 / 15.5 / 18.0	3.5 / 15.5 / 18.0	
			Btu/h	11,940 / 45,040 / 52,900	11,940 / 52,900 / 61,420	11,940 / 52,900 / 61,420	
Power	Power Input (Min/Std/Max)	Cooling	kW	0.90 / 4.45 / 5.50	0.80 / 4.76 / 6.45	0.80 / 4.68 / 6.60	
		Heating	kW	0.75 / 4.05 / 6.40	0.70 / 4.62 / 7.36	0.70 / 4.54 / 7.50	
	Current Input (Min/Std/Max)	Cooling	A	2.1 / 6.9 / 10.0	3.7 / 20.6 / 28.0	2.1 / 7.3 / 10.5	
		Heating	A	2.1 / 6.3 / 12.0	3.5 / 20.0 / 32.0	1.9 / 7.1 / 12.0	
	Current	MCA	A	17.6	33.5	17.6	
		MFA	A	17.6	40.0	17.6	
Efficiency	EER	Cooling	-	2.69	2.81	2.86	
	COP	Heating	-	3.26	3.35	3.41	
	SEER (Cooling Energy Grade)		-	6.0 (A+)	6.4 (-)	6.4 (-)	
	SCOP (Heating Energy Grade)		-	4.0 (A+)	4.1 (-)	4.1 (-)	
	Pdesignh		kW	6.5	8.4	8.4	
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)	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	
	Piping length (ODU-IDU)	Standard	m	5	5	5	
			Max.	50	75	75	
Elevation			30	30	30		
Chargeless			30	30	30		
Wiring connections	Communication	Min.	mm ²	0.75	0.75	0.75	
		Remark	-	F1, F2	F1, F2	F1, F2	
Refrigerant	Type		-	R32	R32	R32	
	Factory Charging		kg	2.7	2.9	2.9	
			tCO ₂ e	1.82	1.96	1.96	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Heat Exchanger	Type		-	F&T	F&T	F&T	
	Material	Fin	-	Al	Al	Al	
		Tube	-	Cu	Cu	Cu	
Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile		
Fan	Type		-	Turbo	Turbo	Turbo	
	Quantity		EA	1	1	1	
	Air Flow Rate	Cooling (H/M/L)	m ³ /min	32.5 / 25.5 / 19.8	32.4 / 27.1 / 22.8	32.4 / 27.1 / 22.8	
			l/s	542 / 425 / 330	540 / 452 / 380	540 / 452 / 380	
		Heating (H/M/L)	m ³ /min	32.5 / 25.5 / 19.8	32.4 / 27.1 / 22.8	32.4 / 27.1 / 22.8	
l/s			542 / 425 / 330	540 / 452 / 380	540 / 452 / 380		
Fan Motor	Type		-	BLDC	BLDC	BLDC	
	Output		W x n	97 x 1	97 x 1	97 x 1	

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Drain	Drain Pipe		Φ, mm	VP-25(OD32, ID25)	VP-25(OD32, ID25)	VP-25(OD32, ID25)
Sound	Sound Pressure Level	High/Mid/Low/(Silent)	dB(A)	45 / 40 / 35	45 / 41 / 37	45 / 41 / 37
	Sound Power Level		dB(A)	61	61	61
External Dimension	Net Weight		kg	23.5	25.5	25.5
	Shipping Weight		kg	28.3	30.3	30.3
	Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Casing	Material		-	HIPS	HIPS	HIPS
Panel (1)	Model Name		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Type		-	Ceiling Type(Square)	Ceiling Type(Square)	Ceiling Type(Square)
	Material		-	HIPS	HIPS	HIPS
	Color		-	White	White	White
	Net Weight		kg	3.6	3.6	3.6
	Shipping Weight		kg	6.3	6.3	6.3
	Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
Panel (2)	Model Name		-	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN
	Type		-	Ceiling Type(Square)	Ceiling Type(Square)	Ceiling Type(Square)
	Material		-	HIPS	HIPS	HIPS
	Color		-	Black	Black	Black
	Net Weight		kg	3.6	3.6	3.6
	Shipping Weight		kg	6.3	6.3	6.3
	Net Dimensions (WxHxD)		mm	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
Panel (3)	Model Name		-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
	Material		-	HIPS	HIPS	HIPS
	Color		-	White	White	White
	Net Weight		kg	2.7	2.7	2.7
	Shipping Weight		kg	5.3	5.3	5.3
	Net Dimensions (WxHxD)		mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
Panel (4)	Model Name		-	PC4NBNMAN	PC4NBNMAN	PC4NBNMAN
	Type		-	Open Type(Circle)	Open Type(Circle)	Open Type(Circle)
	Material		-	HIPS	HIPS	HIPS
	Color		-	Black	Black	Black
	Net Weight		kg	2.7	2.7	2.7
	Shipping Weight		kg	5.3	5.3	5.3
	Net Dimensions (WxHxD)		mm	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
	Shipping Dimensions (WxHxD)		mm	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
Control System	Infrared remote control		-	AR-EH03E	AR-EH03E	AR-EH03E
	Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
Drain Pump	Drain Pump		-	Included	Included	Included
	Max. lifting Height / Displacement		mm / Liter / h	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
Virus Doctor		-	Option	Option	Option	

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Power Supply		Ø, #, V, Hz		3, 4, 380-415, 50	1, 2, 220-240, 50	3, 4, 380-415, 50
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
Compressor	Model Name		-	UB5TN5450FJX	UB5TN5450FJX	UB5TN5450FJX
	Type		-	Twin BLDC	Twin BLDC	Twin BLDC
	Output		kW	4.25	4.25	4.25
	Oil	Type	-	POE	POE	POE
		Initial charge	cc	1,700	1,700	1,700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Front	Front	Front
	Quantity		EA	1	2	2
	Air Flow Rate		m ³ /min	72	110	110
l/s			1,200	1,833	1,833	
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	125 x 1	125 x 2	125 x 2
Sound	Sound Pressure Level	Cooling	dB(A)	54	53	53
		Heating	dB(A)	56	54	54
	Sound Power Level		dB(A)	70	69	69
External Dimension	Net Weight		kg	80.0	91.5	90.5
	Shipping Weight		kg	85.0	100.0	99.0
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,388 x 426	995 x 1,388 x 426
Casing	Material	Body	-	EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
	Operating Temp. Range		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
				°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.