

1. Specification

360 Cassette

Indoor Unit	Model Name	Indoor Unit		AC071RN4PKG/EU	AC100RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU
		Outdoor Unit		AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC120RXADKG/EU
	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)	36 / 33 / 29	44 / 39 / 33	44 / 39 / 33
		Sound Power Level		dB(A)	53	61	61
	External Dimension	Net Weight		kg	20.2	23.5	23.5
		Shipping Weight		kg	24.5	28.3	28.3
		Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 330 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	1000 x 66 x 1000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	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	1000 x 66 x 1000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	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	1050 x 66 x 1050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	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	1050 x 66 x 1050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
		Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	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	-	-	-	-
		Drain Pump	Max. lifting Height / Displacement	mm / Liter / h	-	-	-
		Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable
			Virus Doctor		-	Option	Option

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Outdoor Unit	Model Name	Indoor Unit		AC071RN4PKG/EU	AC100RN4PKG/EU	AC100RN4PKG/EU	AC120RN4PKG/EU	
		Outdoor Unit		AC071RXADKG/EU	AC100RXADKG/EU	AC100RXADNG/EU	AC120RXADKG/EU	
	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	3, 4, 380-415, 50	1, 2, 220-240, 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			UB4TN8200FE4	UB8TN8300FJU	UB8TN8300FJU	UB5TN5450FJX
		Type		-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Output		kW	1.89	2.91	2.91	4.25
		Oil	Type	-	POE	POE	POE	POE
			Initial charge	cc	320	1,200	1,200	1,700
	Fan	Type		-	Propeller	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front	Front
		Quantity		EA	1	1	1	1
		Air Flow Rate		m³/min	51	72	72	72
				l/s	650	1,200	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)	49	52	52	54
			Heating	dB(A)	51	54	54	56
		Sound Power Level		dB(A)	65	69	69	70
	External Dimension	Net Weight		kg	51.0	75.0	74.0	81.0
		Shipping Weight		kg	55.0	80.0	79.0	86.0
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
		Shipping Dimensions (WxHxD)		mm	1,023 x 896 x 413	995 x 1,096 x 426	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.

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System	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.	m	50	75	75
			Elevation	m	30	30	30
			Chargeless	m	30	30	30
	Wiring connections	Communication	Min.	mm²	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
Indoor Unit	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)	m³/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)	m³/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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Indoor Unit	Model Name	Indoor Unit		AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU
		Outdoor Unit		AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU
	Drain	Drain Pipe		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
		Sound Power Level		dB(A)	61	61
	External Dimension	Net Weight		kg	23.5	25.5
		Shipping Weight		kg	28.3	30.3
		Net Dimensions (WxHxD)		mm	947 x 365 x 947	947 x 365 x 947
		Shipping Dimensions (WxHxD)		mm	990 x 414 x 990	990 x 414 x 990
	Casing	Material		-	HIPS	HIPS
	Panel (1)	Model Name		-	PC4NUDMAN	PC4NUDMAN
		Type		-	Ceiling Type(Square)	Ceiling Type(Square)
		Material		-	HIPS	HIPS
		Color		-	White	White
		Net Weight		kg	3.6	3.6
		Shipping Weight		kg	6.3	6.3
		Net Dimensions (WxHxD)		mm	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
	Panel (2)	Model Name		-	PC4NBDMAN	PC4NBDMAN
		Type		-	Ceiling Type(Square)	Ceiling Type(Square)
		Material		-	HIPS	HIPS
		Color		-	Black	Black
		Net Weight		kg	3.6	3.6
		Shipping Weight		kg	6.3	6.3
		Net Dimensions (WxHxD)		mm	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
	Panel (3)	Model Name		-	PC4NUNMAN	PC4NUNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS
		Color		-	White	White
		Net Weight		kg	2.7	2.7
		Shipping Weight		kg	5.3	5.3
		Net Dimensions (WxHxD)		mm	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
	Panel (4)	Model Name		-	PC4NBNMAN	PC4NBNMAN
		Type		-	Open Type(Circle)	Open Type(Circle)
		Material		-	HIPS	HIPS
		Color		-	Black	Black
		Net Weight		kg	2.7	2.7
		Shipping Weight		kg	5.3	5.3
		Net Dimensions (WxHxD)		mm	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
	Control System	Infrared remote control		-	AR-EH03E	AR-EH03E
		Wired remote control		-	MWR-WE13N MWR-WG00*N	MWR-WE13N MWR-WG00*N
	Drain Pump	Drain Pump		-	Included	Included
		Max. lifting Height / Displacement		mm / Liter / h	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
		Virus Doctor		-	Option	Option

1. Specification

360 Cassette

Outdoor Unit	Model Name	Indoor Unit		AC120RN4PKG/EU	AC140RN4PKG/EU	AC140RN4PKG/EU	
		Outdoor Unit		AC120RXADNG/EU	AC140RXADKG/EU	AC140RXADNG/EU	
	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		m³/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	Cooling		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
		Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24

NOTE

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- 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.