

SAMSUNG

FJM

Technical Data Book

**Free Joint Multi for Europe
(R32, 50Hz, HP)**



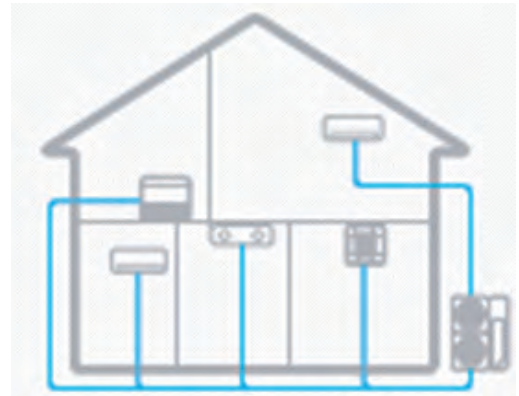
Model : Outdoor unit (AJ***TXJ*KG/EU)

Indoor unit (Wall-mounted, Wind-Free 1Way Cassette, Wind-Free 4Way Cassette(600x600), Duct, Console)

Features & Benefits

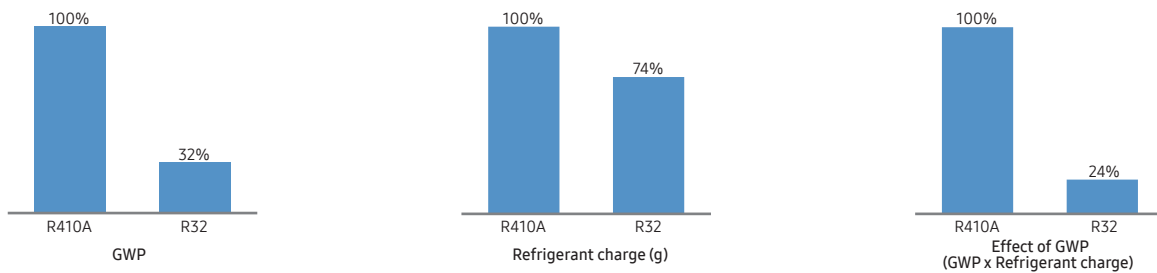
Universal Connection

A single outdoor unit supporting up to five indoor units, the FJM system is ideal for residential spaces with multiple rooms to increase space efficiency.



New refrigerant R32

We use R-32 and reduce Refrigerant charge, so we can reduce the global warming potential and protect our Earth.



<A Comparison between R410A and R32 of FJM 5kW outdoor>

Setting to Cool or Heat only mode

This function enables the indoor units connected to the outdoor unit to operate in a specific mode. When you want to operate all indoor units with the cooling mode or heating mode.

Auto addressing & Auto pipe inspection

It can automatically set the address of the indoor unit and inspect pipes with one push of the button. Installation is very simple.

Samsung Smart Home

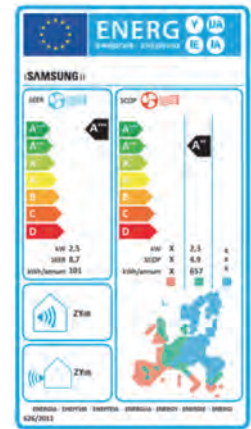
Control the FJM with only one application. This feature is optional to the several models



Features & Benefits

Top-class energy efficiency A+++

Featuring a suite of energy-optimizing technologies, Samsung FJM delivers top-class energy efficiency to support businesses in saving costs and the environment



Power improvement mode

The power improvement mode has the following power reduction effects.

- Reduced power at Thermo off
 - When the air conditioner operates in Cool, Dry, and Auto mode, if Thermo off is reached during cooling, the fan and display of the indoor unit are turned off after 5 minutes
 - When you operates the remote control, the indoor unit display turns on again.
- Standby mode operation
 - When all indoor units are turned off, the air conditioner recognizes it and enters the standby mode.
 - The product power consumption in the standby mode is 3.5 W or less.

1. Line-up

1-1. Outdoor units

Capacity (kW)	4	5	5.2	6.8 / 8	10.0
Image					
Model	AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	AJ068TXJ3KG/EU AJ080TXJ4KG/EU	AJ100TXJ5KG/EU

1-2. Indoor units

Capacity (kW) Type	1.6	2.0	2.5	2.6	3.5	5.0	5.2	6.5
AR4500 (AIRISE)								
AR5500 (GEO)								
AR9500 (Wind-Free AIRISE)								
AR9500 (Wind-Free GEO)								
Wind-Free 1Way CASSETTE								
Wind-Free 4Way CASSETTE (600x600)								
Home duct								
								
Console								

1. Line-up

1-3. Combination Table (Outdoor-Indoor)

Indoor Unit \ Outdoor Unit		Model										
			AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU				
Model		Capacity (kW)	4.0	5.0	5.2	6.8	8.0	10.0				
 AR4500 (AIRISE)	AR07/09/12/18/24TXHZAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
		5.0		●	●	●	●	●				
		6.5					●	●				
 AR5500 (GEO)	AR07/09/12/18/24TXFYAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
		5.0		●	●	●	●	●				
		6.5					●	●				
 AR9500 (Wind-Free AIRISE)	AR07/09/12/18/24TXFCAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
		5.0		●	●	●	●	●				
		6.5					●	●				
 AR9500 (Wind-Free GEO)	AR07/09/12/18/24TXEAAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
		5.0		●	●	●	●	●				
		6.5					●	●				
	AR07/09/12TXCAAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
	AR07/09/12CXCAAWKNEU	2.0	●	●	●	●	●	●				
		2.5	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
 Wind-Free 1Way CASSETTE	AJ026/035TN1DKG/EU	2.6	●	●	●	●	●	●				
		3.5	●	●	●	●	●	●				
 Wind-Free 4Way CASSETTE (600x600)	AJ016/020/026/035/052TNNDKG/EU	1.6		●	●	●	●	●				
		2.0		●	●	●	●	●				
		2.6		●	●	●	●	●				
		3.5		●	●	●	●	●				
		5.2				●	●	●				
 Home duct	AJ026/035TNL*EG/EU	2.6		●	●	●	●	●				
		3.5		●	●	●	●	●				
	AJ052BNMDEG/EU	5.2				●	●	●				
 Home duct	AJ052TNMDEG/EU	5.2				●	●	●				

1. Line-up

1-3. Combination Table (Outdoor-Indoor)

Indoor Unit \ Outdoor Unit		Model								
			AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU		
Model		Capacity (kW)	4.0	5.0	5.2	6.8	8.0	10.0		
 Console	AJ026/035/052TNJDKG/EU	2.6	●	●	●					
		3.5	●	●	●					
		5.2		●	●					

2. Specification

2-1. Outdoor units

Type				FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI	
Model Name				AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU	
Power Supply			Φ, #, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity	Cooling	kW	4.00	5.00	5.2	
			Btu/h	13,600	17,100	17,700	
		Heating	kW	4.20	5.60	6.30	
			Btu/h	14,300	19,100	21,500	
Maximum number of connectable Indoor Units			EA	2	2	3	
Power	Power Input (Nominal)	Cooling	kW	0.90	1.22	1.25	
		Heating		0.90	1.28	1.32	
	Current Input (Nominal)	Cooling	A	4.10	5.60	5.50	
		Heating		4.10	5.90	6.10	
	Current	MCA	A	9.80	11.80	11.90	
		MFA	A	11.25	13.75	13.75	
Efficiency	EER	Cooling	W/W	4.44	4.10	4.16	
	COP	Heating	W/W	4.67	4.38	4.77	
	SEER (Grade)		W/W	8.54(A+++)	8.54(A+++)	8.51(A+++)	
	SCOP (Grade)		W/W	4.64(A++)	4.64(A++)	4.60(A++)	
Casing	Material	Body	-	GI steel plate	GI steel plate	GI steel plate	
		Base	-	GI steel plate	GI steel plate	GI steel plate	
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	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Output		kW x n	4.09 x 1	4.09 x 1	4.68 x 1	
	Model Name		-	KTN130D42UFR	KTN130D42UFR	KTN150D42UFR	
	Oil	Type	-	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	
		Initial Charge	cc	350	350	450	
Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan	
	Discharge direction		-	Front (Horizontal)	Front (Horizontal)	Front (Horizontal)	
	Quantity		EA	1	1	1	
	Air Flow Rate		m³/ min	29.7	33.1	45.0	
			l/s	494	551	749	
	External Static Pressure		Max.	mmAq	-	-	-
				Pa	-	-	-
Fan Motor	Type		-	BLDC	BLDC	BLDC	
	Output x n		W	40 x 1	40 x 1	125 x 1	

2. Specification

Type					FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI
Model Name					AJ040TXJ2KG/EU	AJ050TXJ2KG/EU	AJ052TXJ3KG/EU
Piping Connections	Liquid Pipe			Type	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	6.35 x 2	6.35 x 2	6.35 x 3
				Φ, inch x EA	1/4 x 2	1/4 x 2	1/4 x 3
	Gas Pipe			Type	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	9.52 x 2	9.52 x 2	9.52 x 2 + 12.70
				Φ, inch x EA	3/8 x 2	3/8 x 2	3/8 x 2 + 1/2
	Heat insulation				Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Installation Limitation	Length	Total Piping Length	m	30	30	50
			Max. Length (OD~ID)	m	20	20	25
		Height	Max. Height (OD~ID)	m	15	15	15
Max. Height (ID~ID)			m	7.5	7.5	7.5	
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	0.98	1.18	1.55
				tCO ₂ e	0.66	0.80	1.05
Sound	Sound Pressure	Cooling	dB(A)	45	46	46	
		Heating		46	47	48	
	Sound Power			dBA	60	61	61
External Dimension	Net Weight			kg	32.0	33.0	44.5
	Shipping Weight			kg	34.0	35.0	47.5
	Net Dimensions (WxHxD)			mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
	Shipping Dimensions (WxHxD)			mm	913 x 622 x 371	913 x 622 x 371	1,023 x 742 x 413
Operating Temp. Range	Cooling			°C	-10.0 ~ 46.0	-10.0 ~ 46.0	-10.0 ~ 46.0
	Heating			°C	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-1. Outdoor units

Type				FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI	
Model Name				AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU	
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity	Cooling	kW	6.80	8.00	10.00	
			Btu/h	23,200	27,300	34,100	
		Heating	kW	8.00	9.30	12.00	
			Btu/h	27,300	31,700	40,900	
Maximum number of connectable Indoor Units			EA	3	4	5	
Power	Power Input (Nominal)	Cooling	kW	1.80	1.97	2.75	
		Heating		1.81	2.13	2.82	
	Current Input (Nominal)	Cooling	A	8.10	8.90	12.2	
		Heating		8.20	9.50	12.8	
	Current	MCA	A	17.50	17.80	24.5	
		MFA	A	20.75	20.75	28.8	
Efficiency	EER	Cooling	W/W	3.78	4.06	3.64	
	COP	Heating	W/W	4.42	4.37	4.26	
	SEER (Grade)		W/W	7.75(A++)	7.75(A++)	8.00(A++)	
	SCOP (Grade)		W/W	4.32(A+)	4.10(A+)	4.32(A+)	
Casing	Material	Body	-	GI steel plate	GI steel plate	GI steel plate	
		Base	-	GI steel plate	GI steel plate	GI steel plate	
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	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	
	Output		kW x n	7.65 x 1	7.65 x 1	10.01 x 1	
	Model Name		-	KTF235D22UMV	KTF235D22UMV	KTF310D43UMT	
	Oil	Type	-	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	
		Initial Charge	cc	670	670	1000	
Fan	Type		-	Propeller Fan	Propeller Fan	Propeller Fan	
	Discharge direction		-	Front (Horizontal)	Front (Horizontal)	Front (Horizontal)	
	Quantity		EA	1	1	1	
	Air Flow Rate		m³/ min	55.4	55.4	74.96	
			l/s	923	923	1,249	
	External Static Pressure		Max.	mmAq	-	-	-
				Pa	-	-	-
Fan Motor	Type		-	BLDC	BLDC	BLDC	
	Output x n		W	125 x 1	125 x 1	125 x 1	

2. Specification

Type					FREE JOINT MULTI	FREE JOINT MULTI	FREE JOINT MULTI
Model Name					AJ068TXJ3KG/EU	AJ080TXJ4KG/EU	AJ100TXJ5KG/EU
Piping Connections	Liquid Pipe			Type	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	6.35 x 3	6.35 x 4	6.35 x 5
				Φ, inch x EA	1/4 x 3	1/4 x 4	1/4 x 5
	Gas Pipe			Type	Flare connection	Flare connection	Flare connection
				Φ, mm x EA	9.52 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3
				Φ, inch x EA	3/8 + 1/2 x 2	3/8 x 2 + 1/2 x 2	3/8 x 2 + 1/2 x 3
	Heat insulation				Both Liquid & Gas pipes	Both Liquid & Gas pipes	Both Liquid & Gas pipes
	Installation Limitation	Length	Total Piping Length	m	50	70	75
			Max. Length (OD~ID)	m	25	25	25
		Height	Max. Height (OD~ID)	m	15	15	15
Max. Height (ID~ID)			m	7.5	7.5	7.5	
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	2.00	2.00	2.70
				tCO ₂ e	1.35	1.35	1.82
Sound	Sound Pressure	Cooling	dB(A)	48	48	54	
		Heating		50	50	56	
	Sound Power			dBA	64	64	70
External Dimension	Net Weight			kg	57.5	57.5	76.5
	Shipping Weight			kg	61.5	61.5	82.0
	Net Dimensions (WxHxD)			mm	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330
	Shipping Dimensions (WxHxD)			mm	1,023 x 896 x 413	1,023 x 896 x 413	995 x 1,096 x 426
Operating Temp. Range	Cooling			℃	-10.0 ~ 46.0	-10.0 ~ 46.0	-10.0 ~ 46.0
	Heating			℃	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR4500

Type				AR4500	AR4500	AR4500
Model Name				AR07TXHZAWKNEU	AR09TXHZAWKNEU	AR12TXHZAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	3.5
			Btu/h	7,500	10,900	11,900
Power	Power Input	Cooling	W	30	30	30
		Heating	W	30	30	30
	Current Input	Cooling	A	0.3	0.3	0.3
		Heating	A	0.3	0.3	0.3
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	9.9 / 9.4 / 9.3 / 8.4	10.3 / 9.8 / 9.3 / 8.4	10.7 / 10.3 / 9.3 / 8.4
			l/s	165 / 157 / 155 / 140	172 / 163 / 155 / 140	178 / 172 / 155 / 140
		Heating (T/H/M/L)	m³/min	10.8 / 10.4 / 10.3 / 9.3	11.2 / 10.7 / 10.3 / 9.3	11.7 / 11.2 / 10.3 / 9.3
			l/s	180 / 173 / 172 / 155	187 / 178 / 172 / 155	195 / 187 / 172 / 155
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	36 / 19	37 / 19	38 / 19
	Sound Power Level		dB(A)	54	54	56

2. Specification

Type			AR4500	AR4500	AR4500
Model Name			AR07TXHZAWKNEU	AR09TXHZAWKNEU	AR12TXHZAWKNEU
External Dimension	Net Weight	kg	9.0	9.0	9.0
	Shipping Weight	kg	11.0	11.0	11.0
	Net Dimensions (WxHxD)	mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	880 x 290 x 375	880 x 290 x 375	880 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

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 - 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
- 2)* Select wire size based on the value of MCA
- 3)* Sound pressure level is obtained in an anechoic room.
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- 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.

2. Specification

2-2. Indoor units

AR4500

Type				AR4500		AR4500	
Model Name				AR18TXHZAWKNEU		AR24TXHZAWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity	Cooling	kW	5		6.5	
			Btu/h	17,100		22,200	
		Heating	kW	6		7.4	
			Btu/h	20,500		25,300	
Power	Power Input	Cooling	W	40		50	
		Heating	W	40		50	
	Current Input	Cooling	A	0.4		0.5	
		Heating	A	0.4		0.5	
Heat Exchanger	Type		-	Fin & Tube		Fin & Tube	
	Material	Fin	-	Al		Al	
		Tube	-	Cu		Cu	
	Fin Treatment		-	Green Hydrophile		Green Hydrophile	
Fan	Type		-	Cross Flow		Cross Flow	
	Quantity		EA	1		1	
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	15.3 / 14.8 / 13.7 / 12.7		16.4 / 15.3 / 14.2 / 13.1	
			l/s	256 / 247 / 229 / 211		274 / 255 / 237 / 218	
		Heating (T/H/M/L)	m³/min	15.5 / 15.0 / 13.9 / 12.8		17.1 / 16.0 / 14.9 / 13.8	
			l/s	258 / 249 / 231 / 213		286 / 267 / 248 / 229	
Fan Motor	Type		-	BLDC		BLDC	
	Output		W x n	27 x 1		27 x 1	
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	
	Drain Pipe		Φ, mm	16.3, 550		16.3, 550	
Wiring connections	Communication	Min.	mm²	0.75		0.75	
		Remark	-	F1, F2		F1, F2	
Refrigerant	Type		-	R32		R32	
	Electronic Expansion Valve		-	EEV NOT INCLUDED		EEV NOT INCLUDED	

2. Specification

Type				AR4500	AR4500
Model Name				AR18TXHZAWKNEU	AR24TXHZAWKNEU
Sound	Sound Pressure Level	H / Silent	dB(A)	41 / 28	45 / 29
	Sound Power Level		dB(A)	58	62
External Dimension	Net Weight		kg	11.5	12.5
	Shipping Weight		kg	13.7	14.8
	Net Dimensions (WxHxD)		mm	1,055 x 299 x 215	1,055 x 299 x 215
	Shipping Dimensions (WxHxD)		mm	1,115 x 290 x 375	1,115 x 290 x 375
Casing	Material		-	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR5500

Type				AR5500	AR5500	AR5500
Model Name				AR07TXFYAWKNEU	AR09TXFYAWKNEU	AR12TXFYAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	3.5
			Btu/h	7,500	10,900	11,900
Power	Power Input	Cooling	W	30	30	30
		Heating	W	30	30	30
	Current Input	Cooling	A	0.3	0.3	0.3
		Heating	A	0.3	0.3	0.3
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	AL	AL	AL
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	9.9 / 9.4 / 9.3 / 8.4	10.3 / 9.8 / 9.3 / 8.4	10.7 / 10.3 / 9.3 / 8.4
			l/s	165 / 157 / 155 / 140	172 / 163 / 155 / 140	178 / 172 / 155 / 140
		Heating (T/H/M/L)	m³/min	10.8 / 10.4 / 10.3 / 9.3	11.2 / 10.7 / 10.3 / 9.3	11.7 / 11.2 / 10.3 / 9.3
			l/s	180 / 173 / 172 / 155	187 / 178 / 172 / 155	195 / 187 / 172 / 155
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	36 / 19	37 / 19	38 / 19
	Sound Power Level		dB(A)	54	54	56

2. Specification

Type			AR5500	AR5500	AR5500
Model Name			AR07TXFYAWKNEU	AR09TXFYAWKNEU	AR12TXFYAWKNEU
External Dimension	Net Weight	kg	9.0	9.0	9.0
	Shipping Weight	kg	11.0	11.0	11.0
	Net Dimensions (WxHxD)	mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	880 x 290 x 375	880 x 290 x 375	880 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR5500

Type				AR5500	AR5500
Model Name				AR18TXFYAWKNEU	AR24TXFYAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	5	6.5
			Btu/h	17,100	22,200
		Heating	kW	6	7.4
			Btu/h	20,500	25,300
Power	Power Input	Cooling	W	40	50
		Heating	W	40	50
	Current Input	Cooling	A	0.4	0.5
		Heating	A	0.4	0.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow
	Quantity		EA	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	15.3 / 14.8 / 13.7 / 12.7	16.4 / 15.3 / 14.2 / 13.1
			l/s	256 / 247 / 229 / 211	274 / 255 / 237 / 218
		Heating (T/H/M/L)	m³/min	15.5 / 15.0 / 13.9 / 12.8	17.1 / 16.0 / 14.9 / 13.8
			l/s	258 / 249 / 231 / 213	286 / 267 / 248 / 229
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1
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
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	41 / 28	45 / 29
	Sound Power Level		dB(A)	58	62

2. Specification

Type			AR5500	AR5500
Model Name			AR18TXFYAWKNEU	AR24TXFYAWKNEU
External Dimension	Net Weight	kg	11.5	11.6
	Shipping Weight	kg	13.7	13.8
	Net Dimensions (WxHxD)	mm	1,055 x 299 x 215	1,055 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	1,115 x 290 x 375	1,115 x 290 x 375
Casing	Material	-	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500	AR9500
Model Name				AR07TXFCAWKNEU	AR09TXFCAWKNEU	AR12TXFCAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	3.5
			Btu/h	7,500	10,900	11,900
Power	Power Input	Cooling	W	30	30	30
		Heating	W	30	30	30
	Current Input	Cooling	A	0.3	0.3	0.3
		Heating	A	0.3	0.3	0.3
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	9.9 / 9.4 / 9.3 / 8.4	10.3 / 9.8 / 9.3 / 8.4	10.7 / 10.3 / 9.3 / 8.4
			l/s	165 / 157 / 155 / 140	172 / 163 / 155 / 140	178 / 172 / 155 / 140
		Heating (T/H/M/L)	m³/min	10.8 / 10.3 / 10.3 / 9.3	11.2 / 10.7 / 10.3 / 9.3	11.7 / 11.2 / 10.3 / 9.3
			l/s	180 / 173 / 171 / 155	187 / 178 / 172 / 155	195 / 187 / 172 / 155
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	36 / 19	37 / 19	38 / 19
	Sound Power Level		dB(A)	54	54	56

2. Specification

Type			AR9500	AR9500	AR9500
Model Name			AR07TXFCAWKNEU	AR09TXFCAWKNEU	AR12TXFCAWKNEU
External Dimension	Net Weight	kg	9.0	9.0	9.0
	Shipping Weight	kg	11.0	11.0	11.0
	Net Dimensions (WxHxD)	mm	820 x 299 x 215	820 x 299 x 215	820 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	880 x 290 x 375	880 x 290 x 375	880 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500
Model Name				AR18TXFCAWKNEU	AR24TXFCAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	5	6.5
			Btu/h	17,100	22,200
		Heating	kW	6	7.4
			Btu/h	20,500	25,300
Power	Power Input	Cooling	W	40	50
		Heating	W	40	50
	Current Input	Cooling	A	0.4	0.5
		Heating	A	0.4	0.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow
	Quantity		EA	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	15.3 / 14.3 / 13.3 / 12.2	16.4 / 15.3 / 14.3 / 12.7
			l/s	256 / 238 / 221 / 204	274 / 256 / 238 / 211
		Heating (T/H/M/L)	m³/min	15.5 / 14.5 / 13.4 / 12.4	17.1 / 16.0 / 15.0 / 13.3
			l/s	258 / 241 / 223 / 206	286 / 267 / 249 / 222
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1
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
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	41 / 28	45 / 29
	Sound Power Level		dB(A)	58	62

2. Specification

Type			AR9500	AR9500
Model Name			AR18TXFCAWKNEU	AR24TXFCAWKNEU
External Dimension	Net Weight	kg	11.5	11.6
	Shipping Weight	kg	13.7	13.8
	Net Dimensions (WxHxD)	mm	1,055 x 299 x 215	1,055 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	1,115 x 290 x 375	1,115 x 290 x 375
Casing	Material	-	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500	AR9500
Model Name				AR07TXEAAWKNEU	AR09TXEAAWKNEU	AR12TXEAAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	4.0
			Btu/h	7,500	10,900	13,600
Power	Power Input	Cooling	W	40	40	40
		Heating	W	40	40	40
	Current Input	Cooling	A	0.4	0.4	0.4
		Heating	A	0.4	0.4	0.4
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	AL	AL	AL
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	9.2 / 8.6 / 8.6 / 7.1	9.5 / 9.0 / 8.5 / 7.4	10.5 / 10.0 / 9.0 / 7.9
			l/s	153 / 144 / 143 / 118	158 / 150 / 142 / 123	175 / 167 / 150 / 132
		Heating (T/H/M/L)	m³/min	10.7 / 10.1 / 10.0 / 9.0	11.1 / 10.5 / 10.0 / 9.0	12.1 / 11.6 / 10.5 / 9.5
			l/s	178 / 168 / 166 / 150	185 / 175 / 167 / 150	202 / 193 / 175 / 158
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	37 / 19	38 / 19	40 / 19
	Sound Power Level		dB(A)	54	54	57

2. Specification

Type			AR9500	AR9500	AR9500
Model Name			AR07TXEAAWKNEU	AR09TXEAAWKNEU	AR12TXEAAWKNEU
External Dimension	Net Weight	kg	9.9	9.9	9.9
	Shipping Weight	kg	12.0	12.0	12.0
	Net Dimensions (WxHxD)	mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	950 x 290 x 375	950 x 290 x 375	950 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500
Model Name				AR18TXEAAWKNEU	AR24TXEAAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	5	6.5
			Btu/h	17100	22,200
		Heating	kW	6	7.4
			Btu/h	20500	25,300
Power	Power Input	Cooling	W	40	50
		Heating	W	40	50
	Current Input	Cooling	A	0.4	0.5
		Heating	A	0.4	0.5
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow
	Quantity		EA	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	15.3 / 14.3 / 13.3 / 11.8	16.4 / 14.9 / 13.5 / 11.5
			l/s	256 / 239 / 222 / 197	274 / 249 / 225 / 192
		Heating (T/H/M/L)	m³/min	15.0 / 14.0 / 13.0 / 11.6	17.1 / 15.6 / 14.2 / 12.2
			l/s	250 / 234 / 217 / 193	286 / 261 / 236 / 203
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1
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
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	41 / 28	45 / 29
	Sound Power Level		dB(A)	58	62

2. Specification

Type			AR9500	AR9500
Model Name			AR18TXEAAWKNEU	AR24TXEAAWKNEU
External Dimension	Net Weight	kg	12.2	12.5
	Shipping Weight	kg	14.7	14.8
	Net Dimensions (WxHxD)	mm	1,055 x 299 x 215	1,055 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	1,115 x 290 x 375	1,115 x 290 x 375
Casing	Material	-	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500	AR9500
Model Name				AR07TXCAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	4.0
			Btu/h	7,500	10,900	13,600
Power	Power Input	Cooling	W	40	40	40
		Heating	W	40	40	40
	Current Input	Cooling	A	0.4	0.4	0.4
		Heating	A	0.4	0.4	0.4
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	AL	AL	AL
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	10.7 / 9.7 / 8.6 / 7.1	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1
			l/s	178 / 1612 / 143 / 118	185 / 168 / 143 / 118	202 / 177 / 152 / 118
		Heating (T/H/M/L)	m³/min	12.6 / 11.6 / 10.6 / 9.1	13.1 / 12.1 / 10.6 / 9.1	13.1 / 11.6 / 10.1 / 8.1
			l/s	210 / 194 / 177 / 152	218 / 202 / 177 / 152	218 / 193 / 168 / 135
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	37 / 19	38 / 19	40 / 19
	Sound Power Level		dB(A)	56	56	58

2. Specification

Type			AR9500	AR9500	AR9500
Model Name			AR07TXCAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU
External Dimension	Net Weight	kg	10.6	10.6	10.6
	Shipping Weight	kg	12.7	12.7	12.7
	Net Dimensions (WxHxD)	mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	950 x 290 x 375	950 x 290 x 375	950 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

AR9500

Type				AR9500	AR9500	AR9500
Model Name				AR07CXCAAWKNEU	AR09CXCAAWKNEU	AR12CXCAAWKNEU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.0	2.5	3.5
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.2	3.2	4.0
			Btu/h	7,500	10,900	13,600
Power	Power Input	Cooling	W	40	40	40
		Heating	W	40	40	40
	Current Input	Cooling	A	0.4	0.4	0.4
		Heating	A	0.4	0.4	0.4
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Cross Flow	Cross Flow	Cross Flow
	Quantity		EA	1	1	1
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	10.7 / 9.7 / 8.6 / 7.1	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1
			l/s	178 / 1612 / 143 / 118	185 / 168 / 143 / 118	202 / 177 / 152 / 118
		Heating (T/H/M/L)	m³/min	12.6 / 11.6 / 10.6 / 9.1	13.1 / 12.1 / 10.6 / 9.1	13.1 / 11.6 / 10.1 / 8.1
			l/s	210 / 194 / 177 / 152	218 / 202 / 177 / 152	218 / 193 / 168 / 135
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1	27 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ, mm	16.3, 550	16.3, 550	16.3, 550
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	37 / 19	38 / 19	40 / 19
	Sound Power Level		dB(A)	56	56	58

2. Specification

Type			AR9500	AR9500	AR9500
Model Name			AR07CXCAAWKNEU	AR09CXCAAWKNEU	AR12CXCAAWKNEU
External Dimension	Net Weight	kg	10.5	10.5	10.5
	Shipping Weight	kg	12.5	12.5	12.5
	Net Dimensions (WxHxD)	mm	889 x 299 x 215	889 x 299 x 215	889 x 299 x 215
	Shipping Dimensions (WxHxD)	mm	950 x 290 x 375	950 x 290 x 375	950 x 290 x 375
Casing	Material	-	HIPS	HIPS	HIPS

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

(Wind-Free) 1 Way Cassette

Type				(Wind-Free) 1 Way Cassette	(Wind-Free) 1 Way Cassette
Model Name				AJ026TN1DKG/EU	AJ035TN1DKG/EU
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode			-	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50
			Btu/h	8,900	11,900
		Heating	kW	2.90	3.80
			Btu/h	9,900	13,000
Power	Power Input (Nominal)	Cooling	W	30.00	30.00
		Heating	W	30.00	30.00
	Current Input (Nominal)	Cooling	A	0.30	0.30
		Heating	A	0.30	0.30
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Crossflow Fan	Crossflow Fan
	Quantity		EA	1	1
	Air Flow Rate		m³/min	7.3 / 6.5 / 5.8	9.0 / 8.2 / 7.2
			l/s	122 / 108 / 97	150 / 137 / 120
	External Static Pressure	Max. (Min/Std/Max)	mmAq	-	-
			Pa	-	-
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	27 x 1	27 x 1
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
	Drain Pipe		Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Wiring connections	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure Level	H / Silent	dB(A)	32 / 29 / 26	37 / 35 / 30
	Sound Power Level		dB(A)	50	55
External Dimension	Net Weight		kg	9.5	9.5
	Shipping Weight		kg	12.5	12.5
	Net Dimensions (WxHxD)		mm	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)		mm	1173 x 231 x 487	1173 x 231 x 487
Casing	Material		-	ABS	ABS

2. Specification

Type			(Wind-Free) 1 Way Cassette	(Wind-Free) 1 Way Cassette
Model Name			AJ026TN1DKG/EU	AJ035TN1DKG/EU
Panel 1	Model Name	-	PC1NWFMAN	PC1NWFMAN
	Type	-	Wind-Free	Wind-Free
	Material	-	HIPS	HIPS
	Color	-	White	White
	Net Weight	kg	4.3	4.3
	Shipping Weight	kg	6.3	6.3
	Net Dimensions (W×H×D)	mm	1,198 x 35 x 500	1,198 x 35 x 500
	Shipping Dimensions (W×H×D)	mm	1,262 x 122 x 566	1,262 x 122 x 566
Panel 2	Model Name	-	PC1NUSMAN	PC1NUSMAN
	Type	-	Normal	Normal
	Material	-	HIPS	HIPS
	Color	-	White	White
	Net Weight	kg	4.2	4.2
	Shipping Weight	kg	6.1	6.1
	Net Dimensions (W×H×D)	mm	1,180 x 25 x 460	1,180 x 25 x 460
	Shipping Dimensions (W×H×D)	mm	1,250 x 126 x 530	1,250 x 126 x 530
Additional Accessories	Drain pump		Built in	Built in
		Max. lifting Height / Displacement	mm / liter/h	750 / 24
	Air Filter		Option (Removable / Washable)	Option (Removable / Washable)

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

(Wind-Free) 4Way Cassette (600x600)

Type				(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)
Model Name				AJ016TNNDKG/EU	AJ020TNNDKG/EU	AJ026TNNDKG/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	1.60	2.00	2.60
			Btu/h	5,500	6,800	8,900
		Heating	kW	2.00	2.20	2.90
			Btu/h	6,800	7,500	9,900
Power	Power Input	Cooling	W	19.00	19.00	19.00
		Heating		19.00	19.00	19.00
	Current Input	Cooling	A	0.51	0.51	0.51
		Heating		0.51	0.51	0.51
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1
	Air Flow Rate		m³/min	9.0 / 8.2 / 6.9	9.0 / 8.2 / 6.9	9.0 / 8.2 / 6.9
			l/s	150 / 137 / 115	150 / 137 / 115	150 / 137 / 115
	External Static pressure	Max. (Min/Std/Max)	mmAq	-	-	-
			Pa	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	65 x 1	65 x 1	65 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	33 / 29 / 24	33 / 29 / 24	33 / 29 / 24
	Sound Power	Cooling		49	49	49
External Dimension	Net Weight		kg	11.5	11.5	11.5
	Shipping Weight		kg	13.5	13.5	13.5
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (W×H×D)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Casing	Material		-	Polypropylene	Polypropylene	Polypropylene

2. Specification

Type				(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)
Model Name				AJ016TNNDKG/EU	AJ020TNNDKG/EU	AJ026TNNDKG/EU
Panel 1	Model Name		-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Type		-	Wind-Free	Wind-Free	Wind-Free
	Material		-	HIPS	HIPS	HIPS
	Color		-	DA White	DA White	DA White
	Net Weight		kg	2.7	2.7	2.7
	Shipping Weight		kg	3.9	3.9	3.9
	Net Dimensions (W×H×D)		mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (W×H×D)		mm	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
Panel 2	Model Name		-	PC4SUSMBN	PC4SUSMBN	PC4SUSMBN
	Type		-	Normal (Waffle Type)	Normal (Waffle Type)	Normal (Waffle Type)
	Material		-	HIPS	HIPS	HIPS
	Color		-	White	White	White
	Net Weight		kg	2.7	2.7	2.7
	Shipping Weight		kg	3.5	3.5	3.5
	Net Dimensions (W×H×D)		mm	620 x 45 x 620	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (W×H×D)		mm	667 x 102 x 655	667 x 102 x 655	667 x 102 x 655
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		-	Option (Removable / Washable)	Option (Removable / Washable)	Option (Removable / Washable)

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.
 - dB(A) = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa
- 4)* Sound power level is an absolute value that a sound source generates.
 - dB(A) = 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.

2. Specification

2-2. Indoor units

(Wind-Free) 4Way Cassette (600x600)

Type				(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)
Model Name				AJ035TNNDKG/EU	AJ052TNNDKG/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	3.50	5.20
			Btu/h	11,900	17,700
		Heating	kW	3.80	5.60
			Btu/h	13,000	19,100
Power	Power Input	Cooling	W	22.00	28.00
		Heating		22.00	28.00
	Current Input	Cooling	A	0.52	0.53
		Heating		0.52	0.53
Heat exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan
	Quantity		EA	1	1
	Air Flow Rate		m³/min	10.5 / 9.0 / 7.4	10.5 / 9.0 / 7.4
			l/s	175 / 150 / 123	175 / 150 / 123
	External Static pressure	Max. (Min/Std/Max)	mmAq	-	-
			Pa	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output x n		W	65 x 1	65 x 1
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)	12.7 (1/2)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Wiring connections	Communication	Min.	mm²	0.75	0.75
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	35 / 31 / 27	39 / 36 / 32
	Sound Power	Cooling		53	55
External Dimension	Net Weight		kg	11.5	11.8
	Shipping Weight		kg	13.5	13.8
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (W×H×D)		mm	623 x 298 x 653	623 x 298 x 653
Casing	Material		-	Polypropylene	Polypropylene

2. Specification

Type				(Wind-Free) 4Way Cassette (600x600)	(Wind-Free) 4Way Cassette (600x600)
Model Name				AJ035TNNDKG/EU	AJ052TNNDKG/EU
Panel 1	Model Name		-	PC4SUFMAN	PC4SUFMAN
	Type		-	Wind-Free	Wind-Free
	Material		-	HIPS	HIPS
	Color		-	DA White	DA White
	Net Weight		kg	2.7	2.7
	Shipping Weight		kg	3.9	3.9
	Net Dimensions (W×H×D)		mm	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (W×H×D)		mm	670 x 120 x 655	670 x 120 x 655
Panel 2	Model Name		-	PC4SUSMBN	PC4SUSMBN
	Type		-	Normal (Waffle Type)	Normal (Waffle Type)
	Material		-	HIPS	HIPS
	Color		-	White	White
	Net Weight		kg	2.7	2.7
	Shipping Weight		kg	3.5	3.5
	Net Dimensions (W×H×D)		mm	620 x 45 x 620	620 x 45 x 620
	Shipping Dimensions (W×H×D)		mm	667 x 102 x 655	667 x 102 x 655
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		-	Option (Removable / Washable)	Option (Removable / Washable)

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.
 - dB(A) = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa
- 4)* Sound power level is an absolute value that a sound source generates.
 - dB(A) = 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.

2. Specification

2-2. Indoor units

Duct

Type				Home Duct	Home Duct	Home Duct
Model				AJ026TNLDEG/EU	AJ035TNLDEG/EU	AJ026TNLPEG/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling 2)	kW	2.6	3.5	2.6
			Btu/h	8,900	11,900	8,900
		Heating 2)	kW	2.9	3.8	2.9
			Btu/h	9,900	13,000	9,900
Power	Power Input (Nominal)	Cooling 1)	W	80	80	80
		Heating 2)		80	80	80
	Current Input (Nominal)	Cooling 1)	A	0.4	0.4	0.4
		Heating 2)		0.4	0.4	0.4
Fan	Motor	Type	-	Sirroco Fan / BLDC	Sirroco Fan / BLDC	Sirroco Fan / BLDC
		Output x n	W	69 x 1	69 x 1	69 x 1
	Air Flow Rate	H/M/L (UL)	CMM	9.1 / 7.7 / 5.7	9.5 / 7.9 / 6.2	9.1 / 7.7 / 5.7
			l/s	152 / 128 / 95	158 / 131 / 103	152 / 128 / 95
	External Pressure	Min / Std / Max	mmAq	0 / 1 / 3	0 / 1 / 3	0 / 1 / 3
			Pa	0 / 9.8 / 29.4	0 / 9.8 / 29.4	0 / 9.8 / 29.4
Piping Connections	Liquid Pipe		Φ,mm	6.35	6.35	6.35
			Φ, inch	1/4	1/4	1/4
	Gas Pipe		Φ,mm	9.52	9.52	9.52
			Φ, inch	3/8	3/8	3/8
	Drain Pipe	Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire		mm2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R32	R32	R32
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	33 / 29 / 23	34 / 30 / 25	33 / 29 / 23
	Sound Power	Cooling		50	50	50
Dimensions	Net Weight		kg	14.8	14.8	15.0
	Shipping Weight		kg	17.7	17.7	18.0
	Net Dimensions (W×H×D)		mm	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
	Shipping Dimensions (W×H×D)		mm	949 x 280 x 544	949 x 280 x 544	949 x 280 x 544
Casing	Material		-	HIPS	HIPS	HIPS
Drain pump	Drain pump		-	NOT INCLUDED	NOT INCLUDED	INCLUDED
	Max. lifting Height / Displacement		mm / Liter/h	-	-	750/24

2. Specification

Type				Home Duct	Home Duct	Home Duct
Model				AJ026TNLDEG/EU	AJ035TNLDEG/EU	AJ026TNLPEG/EU
Additional Accessories	Drain pump	External Model	-	-	-	-
		Internal Model	-	Optional MDP-Z075SZED	Optional MDP-Z075SZED	X
		Max. lifting Height / Displacement	mm / liter/h	750/24	750/24	-
	Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable

NOTE

- Specifications may be subject to change without prior notice.
- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

Duct

Type				Home Duct	Home Duct	Home Duct
Model				AJ035TNLPEG/EU	AJ052TNMDEG/EU	AJ052BNMDEG/EU
Power Supply			Φ, #, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling 2)	kW	3.5	5.2	5.2
			Btu/h	11,900	17,700	17,700
		Heating 2)	kW	3.8	5.6	5.6
			Btu/h	13,000	19,100	19,100
Power	Power Input (Nominal)	Cooling 1)	W	80	170	50
		Heating 2)		80	170	50
	Current Input (Nominal)	Cooling 1)	A	0.4	1.04	0.45
		Heating 2)		0.4	1.04	0.45
Fan	Motor	Type	-	Sirroco Fan / BLDC	Sirroco Fan / SSR	Sirroco Fan / BLDC
		Output x n	W	69 x 1	200 x 1	84 x 1
	Air Flow Rate	H/M/L (UL)	CMM	9.5 / 7.9 / 6.2	16.3 / 15.0 / 13.5	14.0 / 9.8 / 5.4
			l/s	158 / 131 / 103	272 / 250 / 225	233 / 163 / 90
	External Pressure	Min / Std / Max	mmAq	0 / 1 / 3	0 / 4 / 6	0 / 2 / 5.1
			Pa	0 / 9.8 / 29.4	0 / 39.2 / 58.8	0 / 19.6 / 50.0
Piping Connections	Liquid Pipe		Φ,mm	6.35	6.35	6.35
			Φ, inch	1/4	1/4	1/4
	Gas Pipe		Φ,mm	9.52	12.7	12.7
			Φ, inch	3/8	1/2	1/2
	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire		mm2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R32	R32	R32
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	34 / 30 / 25	42 / 41 / 39	33 / 29 / 23
	Sound Power	Cooling		50	59	53
Dimensions	Net Weight		kg	15.0	28.3	18.9
	Shipping Weight		kg	18.0	33.5	21.8
	Net Dimensions (W×H×D)		mm	700 x 199 x 440	900 x 260 x 480	900 x 199 x 440
	Shipping Dimensions (W×H×D)		mm	949 x 280 x 544	1,170 x 340 x 595	1,151 x 280 x 544
Casing	Material		-	HIPS	HIPS	HIPS
Drain pump	Drain pump		-	INCLUDED	NOT INCLUDED	NOT INCLUDED
	Max. lifting Height / Displacement		mm / Liter/h	750/24	-	-

2. Specification

Type				Home Duct	Home Duct	Home Duct
Model				AJ035TNLPEG/EU	AJ052TNMDEG/EU	AJ052BNMDEG/EU
Additional Accessories	Drain pump	External Model	-	-	-	-
		Internal Model	-	X	Optional MDP-M075SGU3D	Optional MDP-Z075SZED
		Max. lifting Height / Displacement	mm / liter/h	-	750/24	750/24
	Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable

NOTE

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- 1)* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
 - 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
- 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.

2. Specification

2-2. Indoor units

Console

Type				Console	Console	Console
Model Name				AJ026TNJDKG/EU	AJ035TNJDKG/EU	AJ052TNJDKG/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP
Performance	Capacity	Cooling	kW	2.6	3.5	5.2
			Btu/h	8,900	11,900	17,700
		Heating	kW	2.9	3.8	5.6
			Btu/h	9,900	13,000	19,100
Power	Power Input	Cooling	W	30	35	50
		Heating		30	35	50
	Current Input	Cooling	A	0.25	0.29	0.35
		Heating		0.25	0.29	0.35
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al
		Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1
	Air Flow Rate		m³/min	9.0 / 7.8 / 6.7	10.5 / 9.3 / 8.2	11.2 / 9.9 / 8.6
			l/s	150 / 130 / 112	175 / 155 / 137	187 / 165 / 143
	External Static pressure	Max. (Min/Std/Max)	mmAq	-	-	-
			Pa	-	-	-
Fan Motor	Type		-	BLDC	BLDC	BLDC
	Output x n		W	35 x 1	35 x 1	35 x 1
Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas Pipe		Type	Flare connection	Flare connection	Flare connection
			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Wiring connections	Communication	Min.	mm²	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R32	R32	R32
	Electronic Expansion Valve		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	36 / 32 / 27	38 / 35 / 30	43 / 39 / 32
	Sound Power	Cooling		53	57	60
External Dimension	Net Weight		kg	15.7	15.7	15.7
	Shipping Weight		kg	20.0	20.0	20.0
	Net Dimensions (W×H×D)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
	Shipping Dimensions (W×H×D)		mm	805 x 705 x 295	805 x 705 x 295	805 x 705 x 295
Casing	Material		-	HIPS	HIPS	HIPS

2. Specification

Type				Console	Console	Console
Model Name				AJ026TNJDKG/EU	AJ035TNJDKG/EU	AJ052TNJDKG/EU
Drain pump	Drain pump		-	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
	Max. lifting Height / Displacement		mm / Liter/h	-	-	-
Additional Accessories	Drain pump	External Model	-	-	-	-
		Internal Model	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-
	SPI		-	Default	Default	Default
	Air Filter		-	Removable / Washable	Removable / Washable	Removable / Washable

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 - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- 2)* Select wire size based on the value of MCA
- 3)* Sound pressure level is obtained in an anechoic room.
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- 4)* Sound power level is an absolute value that a sound source generates.
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 - Measured according to ISO 3741
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