

1. Specification

AR9500

Model Name	Indoor Unit		AR24TXEAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU		
	Outdoor Unit		AR24TXEAAWKXEU	AR09TXCAAWKXEU	AR12TXCAAWKXEU		
Mode			-	HEAT PUMP	HEAT PUMP		
Performance	Capacity (Min/Std/Max)	Cooling	kW	1.4 / 6.5 / 7.6	0.9 / 2.5 / 3.6	0.9 / 3.5 / 4.8	
			Btu/h	4,777 / 22,179 / 25,932	3,071 / 8,530 / 12,284	3,071 / 11,942 / 16,378	
		Heating	kW	1.2 / 7.4 / 9.7	0.8 / 3.2 / 7.1	0.8 / 4 / 7.3	
			Btu/h	4,095 / 25,250 / 33,098	2,730 / 10,919 / 24,226	2,730 / 13,649 / 24,909	
Power	Power Input (Min/Std/Max)	Cooling	kW	0.30 / 1.95 / 2.60	0.18 / 0.54 / 0.93	0.18 / 0.89 / 1.45	
		Heating	kW	0.27 / 2.35 / 3.20	0.15 / 0.68 / 2.16	0.15 / 0.94 / 2.28	
	Current Input (Min/Std/Max)	Cooling	A	2.0 / 8.8 / 11.5	1.2 / 2.9 / 4.5	1.2 / 4.1 / 6.4	
		Heating	A	1.7 / 10.5 / 14.0	1.0 / 3.4 / 9.5	1.0 / 4.4 / 10.0	
Efficiency	EER	Cooling	-	3.33	4.63	3.95	
	COP	Heating	-	3.15	4.74	4.26	
	SEER (Cooling Energy Grade)		-	6.40 (A++)	8.80 (A+++)	8.50 (A+++)	
	SCOP (Heating Energy Grade)		-	4.00 (A+)	5.10 (A+++)	5.10 (A+++)	
	Pdesignh		kW	4.1	-	2.4	
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)	15.88 (5/8)	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	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30	15	15	
Max. Height (Between ID/OD)		m	15	8	8		
Wiring connections	Power Source Wire		mm ²	1.5	1.5	1.5	
	Communication	Min.	mm ²	0.75	0.75	0.75	
Remark		-	F1, F2	F1, F2	F1, F2		
Refrigerant	Type		-	R32	R32		
	Factory Charging		kg	1.3	0.965	0.965	
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		-	Cross Flow	Cross Flow	Cross Flow
		Quantity		EA	1	1	1
		Air Flow Rate	Cooling (T/H/M/L)	m ³ /min	17.6 / 15.7 / 13.9 / 11.3	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1
			Heating (T/H/M/L)	m ³ /min	29.3 / 26.2 / 23.2 / 18.8	18.5 / 16.8 / 14.3 / 11.8	20.2 / 17.7 / 15.2 / 11.8
			l/s	18.3 / 16.4 / 14.5 / 12.0	13.1 / 12.1 / 10.6 / 9.1	13.1 / 11.6 / 10.1 / 8.1	
			l/s	30.5 / 27.3 / 24.2 / 20.0	21.8 / 20.2 / 17.7 / 15.2	21.8 / 19.3 / 16.8 / 13.5	
	Fan Motor	Type		-	BLDC	BLDC	
		Output		W x n	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, mm	Φ16.3, 550mm	Φ16.3, 550mm	Φ16.3, 550mm
	Sound	Sound Pressure Level	H / Silent	dB(A)	45 / 27	38 / 16	40 / 16
		Sound Power Level		dB(A)	62	56	58
	External Dimension	Net Weight		kg	12.5	10.6	10.6
		Shipping Weight		kg	14.8	12.5	12.7
		Net Dimensions (WxHxD)		mm	1,055 x 299 x 215	889 x 299 x 215	889 x 299 x 215
		Shipping Dimensions (WxHxD)		mm	1,115 x 290 x 375	950 x 290 x 375	950 x 290 x 375
Casing	Material		-	HIPS	HIPS	HIPS	
	Infrared remote control		-	Included	Included	Included	
Control System	Wired remote control		-	MWR-WE13N MWR-WG00JN MWR-WG00KN MWR-SH11N	MWR-WE13N MWR-WG00JN MWR-WG00KN MWR-SH11N	MWR-WE13N MWR-WG00JN MWR-WG00KN MWR-SH11N	
	Drain Pump		-	-	-	-	
Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-	-	
	Drain Pump	External Model	-	-	-	-	
		Internal Model	-	-	-	-	
	Max. lifting Height / Displacement		mm / Liter/h	-	-	-	
	Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable	
	Tri-Care Filter		-	○	○	○	
Motion Detect Sensor		-	-	○	○		
Wi-Fi		-	○	○	○		

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Outdoor Unit	Model Name		Indoor Unit	AR24TXEAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU		
			Outdoor Unit	AR24TXEAAWKXEU	AR09TXCAAWKXEU	AR12TXCAAWKXEU		
	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		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion		
	Compressor		Model Name	-	UB9TK2150FE4	KTN130D42UFR	KTN130D42UFR	
			Type	-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	
	Output		kW	-	4.57	4.09	4.09	
	Oil	Type	-	POE	POE	POE		
		Initial charge	cc	-	570	350	350	
	Fan		Type	-	Propeller	Propeller	Propeller	
			Discharge direction	-	Front	Front	Front	
	Quantity		EA	-	1	1	1	
	Air Flow Rate		m ³ /min	-	50	45	45	
			l/s	-	833	750	750	
	Fan Motor		Type	-	BLDC	BLDC	BLDC	
	Output		W x n	-	125 x 1	40 x 1	40 x 1	
	Sound		Sound Pressure Level	Cooling	dB(A)	54	45	46
			Sound Power Level	-	dB(A)	68	59	62
	External Dimension		Net Weight	-	kg	43.7	32.5	32.5
			Shipping Weight	-	kg	46.7	34.8	34.8
			Net Dimensions (WxHxD)	-	mm	880 x 638 x 310	790 x 548 x 285	790 x 548 x 285
	Casing		Shipping Dimensions (WxHxD)	-	mm	1,023 x 724 x 413	913 x 622 x 371	913 x 622 x 371
			Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	EGI Steel Plate / PP
	Operating Temp. Range		Cooling	-	°C	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	

NOTE

- Specifications may be subject to change without prior notice.
- 1) Nominal cooling capacities are based on;
 - Indoor temperature: 27°C DB, 19°C WB
 - Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 5m, Level differences: 0 m
 - 2) Nominal heating capacities are based on;
 - Indoor temperature: 20°C DB, 15°C WB
 - Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 5m, Level differences: 0 m
 - 3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - 4) These products contain R32 which is fluorinated greenhouse gas.