

1. Specification

AR9500

	Model Name		Indoor Unit	AR24TXEAAWKNEU	AR09TXCAAWKNEU	AR12TXCAAWKNEU		
			Outdoor Unit	AR24TXEAAWKXEU	AR09TXCAAWKXEU	AR12TXCAAWKXEU		
System	Mode			-	HEAT PUMP	HEAT PUMP		
	Performance	Capacity (Min/Std/Max)	Cooling	kW Btu/h	1.4 / 6.5 / 7.6 4,777 / 22,179 / 25,932	0.9 / 2.5 / 3.6 3,071 / 8,530 / 12,284	0.9 / 3.5 / 4.8 3,071 / 11,942 / 16,378	
			Heating	kW Btu/h	1.2 / 7.4 / 9.7 4,095 / 25,250 / 33,098	0.8 / 3.2 / 7.1 2,730 / 10,919 / 24,226	0.8 / 4 / 7.3 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 Φ, mm (inch)	Flare connection 6.35 (1/4)	Flare connection 6.35 (1/4)	Flare connection 6.35 (1/4)	
		Gas Pipe		Type Φ, mm (inch)	Flare connection 15.88 (5/8)	Flare connection 9.52 (3/8)	Flare connection 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. Remark	mm ² -	0.75 F1, F2	0.75 F1, F2	0.75 F1, F2
	Refrigerant	Type		-	R32	R32	R32	
Factory Charging		kg tCO ₂ e	1.3 0.88	0.965 0.65	0.965 0.65			
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 l/s	17.6 / 15.7 / 13.9 / 11.3 293 / 262 / 232 / 188	11.1 / 10.1 / 8.6 / 7.1 185 / 168 / 143 / 118	12.1 / 10.6 / 9.1 / 7.1 202 / 177 / 152 / 118	
			Heating (T/H/M/L)	m ³ /min l/s	18.3 / 16.4 / 14.5 / 12.0 305 / 273 / 242 / 200	13.1 / 12.1 / 10.6 / 9.1 218 / 202 / 177 / 152	13.1 / 11.6 / 10.1 / 8.1 218 / 193 / 168 / 135	
				Fan Motor	Type		-	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	Drain Pump		-	-	-	-	
		Max. lifting Height / Displacement		mm / Liter/h	-	-	-	
	Additional Accessories	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		m³/min	50	45	45	
	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	
		Shipping Dimensions (WxHxD)		mm	1,023 x 724 x 413	913 x 622 x 371	913 x 622 x 371	
	Casing	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.