

1. Specification

Elite

Model Name		Indoor Unit		AR70F09CAAWNEU		AR70F12CAAWNEU			
		Outdoor Unit		AR70F09CAAWXEU		AR70F12CAAWXEU			
System	Mode			-	Heat Pump	Heat Pump			
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1 / 2.5 / 4	1 / 3.5 / 4.8			
				Btu/h	3,412 / 8,530 / 13,649	3,412 / 11,942 / 16,378			
			Heating	kW	0.7 / 3.2 / 7.1	0.7 / 4 / 7.3			
				Btu/h	2,388 / 10,919 / 24,226	2,388 / 13,649 / 24,909			
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.18 / 0.535 / 1.07	0.18 / 0.86 / 1.45			
			Heating	kW	0.15 / 0.675 / 2.16	0.15 / 0.94 / 2.28			
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 2.8 / 4.7	1.5 / 4.1 / 6.4			
			Heating	A	1.3 / 3.2 / 9.5	1.3 / 4.4 / 10			
	Efficiency	EER	Cooling	W/W	4.67	4.07			
		COP	Heating	-	4.74	4.26			
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	2.5	3.5			
		SEER		W/W	9.5 (A+++)	8.8 (A+++)			
		Pdesign_H	Heating	kW	1.3 / 2.4	1.3 / 2.4			
		SCOP	(Wamer/Average)	W/W	6.0 / 5.1 (A+++ / A+++)	6.0 / 5.1 (A+++ / A+++)			
	Piping Connections	Liquid Pipe			Type	Flare	Flare		
					Φ, mm (inch)	6.35 (1/4)	6.35 (1/4)		
		Gas Pipe			Type	Flare	Flare		
					Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)		
		Heat Insulation			-	Both liquid and gas pipes		Both liquid and gas pipes	
		Installation Limitation	Max. Length (Outdoor to indoor)		m	20	20		
	Max. Height (Between ID/OD)		m	8	8				
	Wiring connections	Power Source Wire			mm²	1.5	1.5		
		Communication	Min.	Remark	mm²	0.75	0.75		
	Refrigerant	Type			-	R32	R32		
		Factory Charging			kg	0.97	0.97		
					tCO2e	0.65	0.65		
	Power Supply				Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50		
	Heat Exchanger	Type			-	F&T	F&T		
		Material	Fin	-	Al	Al			
			Tube	-	Cu	Cu			
		Fin Treatment			-	Hydrophile	Hydrophile		
Fan	Type			-	Cross Flow	Cross Flow			
	Quantity			EA	1	1			
	Air Flow Rate	Cooling (T/H/M/L)	m³/min	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1				
			l/s	185 / 168 / 143 / 118	202 / 177 / 152 / 118				
			Heating (T/H/M/L)	m³/min	13.1 / 12.1 / 10.6 / 9.1	13.1 / 11.6 / 10.1 / 8.1			
l/s				218 / 202 / 177 / 152	218 / 193 / 168 / 135				
Fan Motor	Type			-	BLDC	BLDC			
	Output			W x n	27 x 1	27 x 1			
Drain	Drain Pipe			Φ, mm	16.3, 550	16.3, 550			
Sound Level	Sound Pressure Level	H / Silent	dB(A)	38 / 16	40 /16				
			dB(A)	56	58				
External Dimension	Net Weight		kg	10.5	10.5				
	Shipping Weight		kg	12.5	12.5				
	Net Dimensions (WxHxD)		mm	889 x 299 x 215	889 x 299 x 215				
	Shipping Dimensions (WxHxD)		mm	950 x 290 x 375	950 x 290 x 375				
Casing	Material			-	HIPS	HIPS			
Control System	Infrared remote control			-	Included	Included			
	Wired remote control			-	-	-			
Drain Pump	Drain Pump			-	-	-			
	Max. lifting Height / Displacement			mm / Liter/h	-	-			
Additional Accessories	Easy Filter Plus			-	Removable / Washable	Removable / Washable			
	Tri-Care Filter			-	●	●			
	Motion Detect Sensor			-	●	●			
	Wi-Fi			-	●	●			

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Outdoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50
					1, 2, 220-240, 50
	Heat Exchanger	Type		-	F&T
		Material	Fin	-	Al
			Tube	-	Cu
		Fin Treatment		-	Hydrophile
	Compressor	Model Name			KTN130D42UFR
		Type		-	Twin Rotary
		Output		kW	4.09
		Oil	Type	-	POE
			Initial charge	cc	350
	Fan	Type		-	Propeller
		Discharge direction		-	Front
		Quantity		EA	1
		Air Flow Rate		m³/min	45
				l/s	750
	Fan Motor	Type		-	BLDC
		Output		W x n	45 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45
				dB(A)	46
	External Dimension	Net Weight		kg	30.7
		Shipping Weight		kg	33.0
		Net Dimensions (WxHxD)		mm	790 x 548 x 285
		Shipping Dimensions (WxHxD)		mm	913 x 622 x 371
	Casing	Material	Body	-	EGI Steel Plate / PP
	Operating Temp. Range	Cooling		°C	-10 ~ 46
		Heating		°C	-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.