

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
	Communication	Min.		mm²	0.75	0.75	
		Remark		-	F1,F2	F1,F2	
	Refrigerant	Type		-	R32	R32	
		Factory Charging		kg	0.97	0.97	
				tCO ₂ e	0.65	0.65	
	Indoor Unit	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
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		-	●	●	

1. Specification

Elite

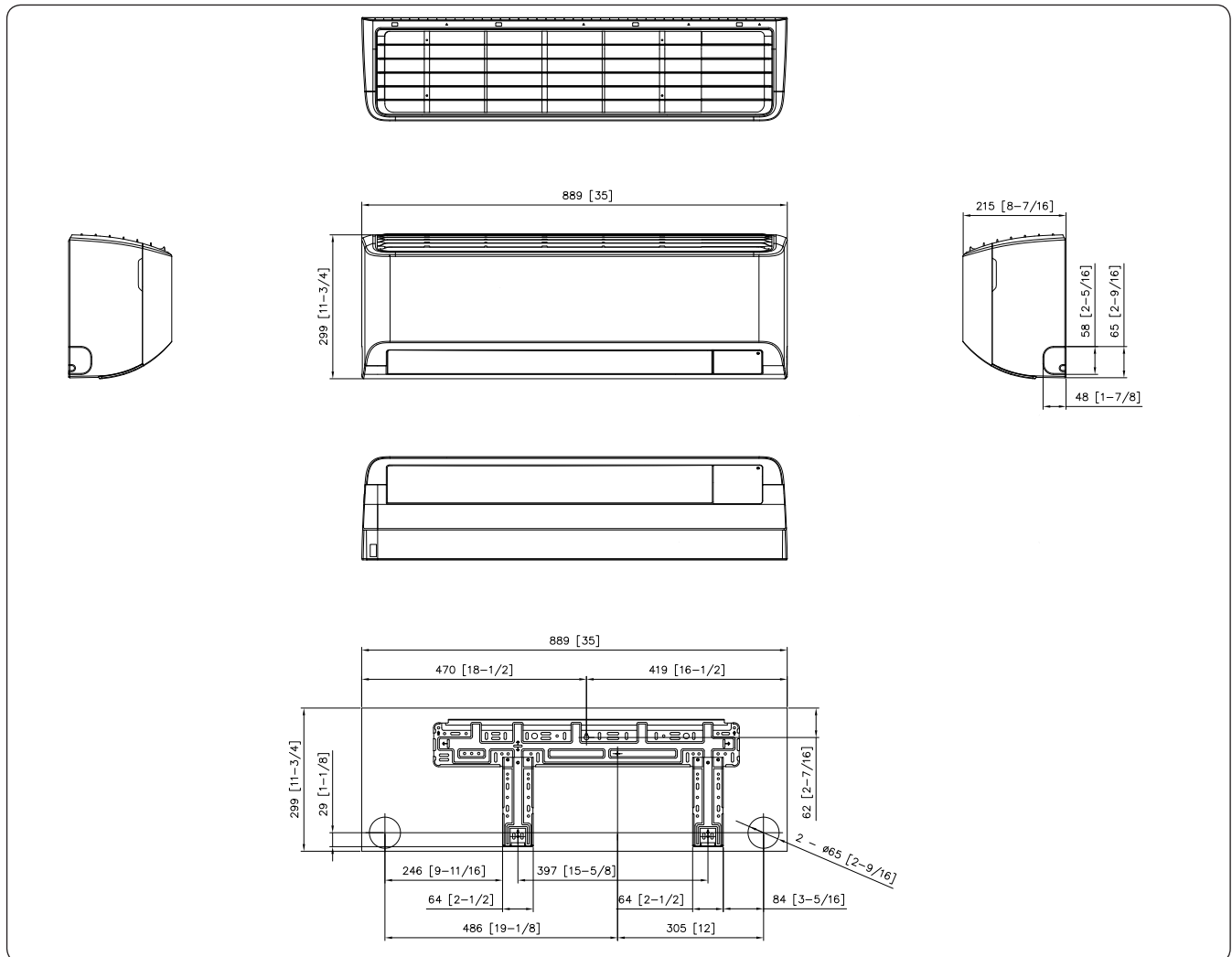
Model Name			Indoor Unit		AR70F09CAAWNEU	AR70F12CAAWNEU
			Outdoor Unit		AR70F09CAAWXEU	AR70F12CAAWXEU
Outdoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Hydrophile	Hydrophile
	Compressor	Model Name			KTN130D42UFR	KTN130D42UFR
		Type		-	Twin Rotary	Twin Rotary
		Output		kW	4.09	4.09
		Oil	Type	-	POE	POE
			Initial charge	cc	350	350
		Fan	Type		-	Propeller
	Discharge direction		-	Front	Front	
	Quantity		EA	1	1	
	Air Flow Rate		m³/min	45	45	
			l/s	750	750	
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	45 x 1	45 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	46
		SoundPowerLevel		dB(A)	59	62
	External Dimension	Net Weight		kg	30.7	30.7
		Shipping Weight		kg	33.0	33.0
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285
		Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	913 x 622 x 371
	Casing	Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP
	Operating Temp. Range	Cooling		°C	-10 ~ 46	-10 ~ 46
		Heating		°C	-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.

Indoor units

Unit: mm (inches)



3. Dimensional Drawing

Outdoor units

AR70F09CAAWXEU, AR70F12CAAWXEU, AR70F07C1AWXEU, AR70F09C1AWXEU, AR70F12C1AWXEU
AR70F15C1AWXEU, AR50F15C1AHXEU

Unit: mm (inches)

