

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	(Warmer/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		mm ²	1.5		1.5
	Communication		Min.	mm ²	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)	m ³ /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)	m ³ /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	
			SoundPowerLevel		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		AR70F09CAAWXEU	AR70F12CAAWXEU	
Outdoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	
		Type		-	F&T	
	Heat Exchanger	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	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m ³ /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
	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
	Casing	Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	913 x 622 x 371
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

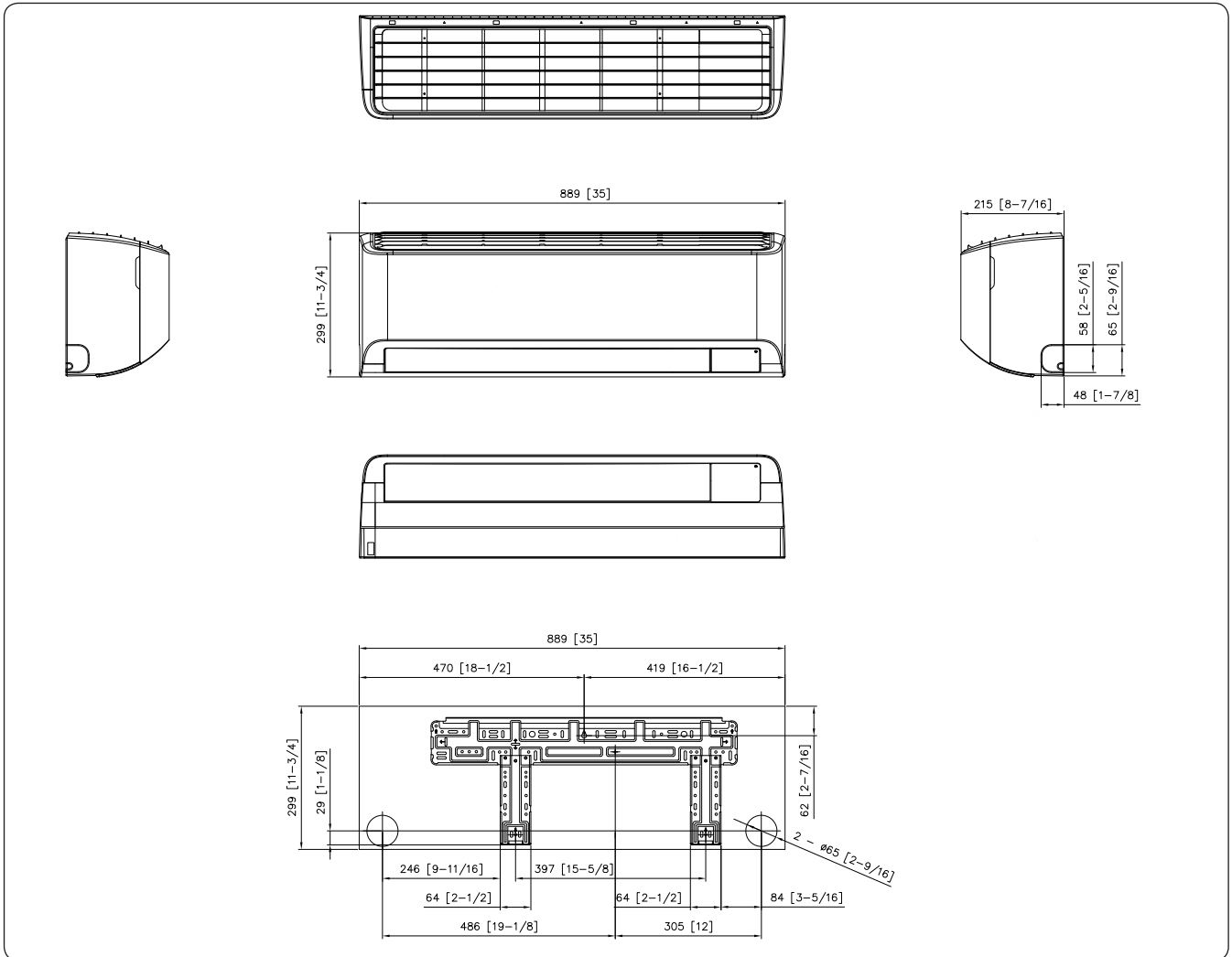
- Specifications may be subject to change without prior notice.
- 1) Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 5m, Level differences: 0 m
- 2) Nominal heating capacities are based on;
Indoor temperature: 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.

3. Dimensional Drawing

Indoor units

AR70F09CAWNEU, AR70F12CAWNEU, AR70F07C1AWNEU, AR70F09C1AWNEU, AR70F12C1AWNEU
AR70F15C1AWNEU, AR70F07C1ABNEU, AR70F09C1ABNEU, AR70F12C1ABNEU, AR60F09C1AWNEU
AR60F12C1AWNEU

Unit: mm (inches)



3. Dimensional Drawing

Outdoor units

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

Unit: mm (inches)

