

1. Specification

Avant

Model Name	Indoor Unit			AR70F07C1AWNEU	AR70F09C1AWNEU	AR70F12C1AWNEU	
	Outdoor Unit			AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	
System	Mode		-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.96 / 2.3.2	0.96 / 2.5 / 3.7	
				Btu/h	3,276 / 6,824 / 10,919	3,276 / 8,530 / 12,625	
		Power	Heating	kW	0.7 / 2.2 / 6.7	0.7 / 3.2 / 7	
				Btu/h	2,388 / 7,507 / 22,861	2,388 / 10,919 / 23,885	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.17 / 0.43 / 0.84	0.17 / 0.57 / 0.96	
		Heating	kW	0.15 / 0.46 / 2.25	0.15 / 0.76 / 2.2		
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 2.3 / 3.7	1.5 / 3 / 4.3	
		Heating	A	1.3 / 2.3 / 9.8	1.3 / 3.4 / 10		
	Efficiency	EER	Cooling	W/W	4.65	4.39	
		COP	Heating	-	4.78	4.21	
Indoor Unit	Efficiency (EN14825)	Pdesign_C	Cooling	kW	2	2.5	
		SEER		W/W	9 (A+++)	8.8 (A+++)	
		Pdesign_H	Heating	kW	1.3 / 2.2	1.3 / 2.3	
		SCOP		W/W	5.7 / 4.8 (A+++ / A++)	5.7 / 4.8 (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)	
	Wiring connections	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
		Installation Limitation	Max. Length (Outdoor to Indoor)	m	20	20	
				m	8	8	
	Refrigerant	Power Source Wire		mm ²	1.5	1.5	
		Communication	Min.	mm ²	0.75	0.75	
			Remark	-	F1,F2	F1,F2	
		Type		-	R32	R32	
	Factory Charging			kg	0.95	0.95	
				tCO ₂ e	0.64	0.64	
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	
	Fan	Fin Treatment		-	Hydrophile	Hydrophile	
		Type		-	Cross Flow	Cross Flow	
		Quantity		EA	1	1	
		Air Flow Rate	Cooling (T/H/M/L)	m ³ /min	9 / 8.5 / 7.9 / 7.4	9.5 / 9 / 8.5 / 7.4	
				l/s	150 / 142 / 132 / 123	158 / 150 / 142 / 123	
			Heating (T/H/M/L)	m ³ /min	10.5 / 10 / 9.5 / 9	11.1 / 10.5 / 10 / 9	
				l/s	175 / 167 / 158 / 150	185 / 175 / 167 / 150	
	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	38 / 16	
		SoundPowerLevel		dB(A)	56	56	
	External Dimension	Net Weight		kg	9.9	9.9	
		Shipping Weight		kg	11.6	11.6	
		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		AR70F07C1AWXEU	AR70F09C1AWXEU	AR70F12C1AWXEU	
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
	Type		-	F&T	F&T	F&T	
	Heat Exchanger	Material	Fin	-	Al	Al	
			Tube	-	Cu	Cu	
	Fin Treatment		-	Hydrophile	Hydrophile	Hydrophile	
	Compressor		Model Name	KTN130D42UFR	KTN130D42UFR	KTN130D42UFR	
	Type		-	Twin Rotary	Twin Rotary	Twin Rotary	
	Output		kW	4.09	4.09	4.09	
	Oil	Type	-	POE	POE	POE	
			Initial charge	cc	350	350	
Outdoor Unit	Fan		Type	-	Propeller	Propeller	
	Discharge direction		-	Front	Front	Front	
	Quantity		EA	1	1	1	
	Air Flow Rate		m³/min	45	45	45	
			l/s	750	750	750	
	Fan Motor		Type	-	BLDC	BLDC	
	Output		W x n	45 x 1	45 x 1	45 x 1	
	Sound Level	Sound Pressure Level	dB(A)	45	45	46	
		SoundPowerLevel	dB(A)	59	59	62	
External Dimension	Net Weight		kg	30.7	30.7	30.7	
	Shipping Weight		kg	33.0	33.0	33.0	
	Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285	790 x 548 x 285	
	Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	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.