

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		1 / 3.5 / 4.6		
				Btu/h	3,276 / 6,824 / 10,919		3,276 / 8,530 / 12,625		3,412 / 11,942 / 15,696		
			Heating	kW	0.7 / 2.2 / 6.7		0.7 / 3.2 / 7		0.7 / 4 / 7.2		
				Btu/h	2,388 / 7,507 / 22,861		2,388 / 10,919 / 23,885		2,388 / 13,649 / 24,567		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.17 / 0.43 / 0.84		0.17 / 0.57 / 0.96		0.18 / 0.91 / 1.4		
			Heating	kW	0.15 / 0.46 / 2.25		0.15 / 0.76 / 2.2		0.15 / 1.07 / 2.4		
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 2.3 / 3.7		1.5 / 3 / 4.3		1.5 / 4.1 / 6.1		
			Heating	A	1.3 / 2.3 / 9.8		1.3 / 3.4 / 10		1.3 / 4.7 / 10.5		
	Efficiency	EER	Cooling	W/W	4.65		4.39		3.85		
		COP	Heating	-	4.78		4.21		3.74		
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	2		2.5		3.5		
		W/W		9 (A+++)		8.8 (A+++)		8.6 (A+++)			
		Pdesign_H	Heating (Wamer/Average)	kW	1.3 / 2.2		1.3 / 2.3		1.3 / 2.4		
		SCOP		W/W	5.7 / 4.8 (A+++ / A++)		5.7 / 4.8 (A+++ / A++)		5.7 / 4.8 (A+++ / A++)		
	Piping Connections	Liquid Pipe			Type	Flare		Flare		Flare	
					Φ, mm (inch)	6.35 (1/4)		6.35 (1/4)		6.35 (1/4)	
		Gas Pipe			Type	Flare		Flare		Flare	
					Φ, mm (inch)	9.52 (3/8)		9.52 (3/8)		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	20		20		20		
	Max. Height (Between ID/OD)			m	8		8		8		
		Wiring connections	Power Source Wire		mm ²	1.5		1.5		1.5	
	Communication		Min.	mm ²	0.75		0.75		0.75		
			Remark	-	F1,F2		F1,F2		F1,F2		
	Refrigerant	Type			-	R32		R32		R32	
		Factory Charging			kg	0.95		0.95		0.95	
					tCO ₂ e	0.64		0.64		0.64	
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			-	Hydrophile		Hydrophile		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	9 / 8.5 / 7.9 / 7.4		9.5 / 9 / 8.5 / 7.4		10.5 / 10 / 9 / 7.9			
			l/s	150 / 142 / 132 / 123		158 / 150 / 142 / 123		175 / 167 / 150 / 132			
		Heating (T/H/M/L)	m ³ /min	10.5 / 10 / 9.5 / 9		11.1 / 10.5 / 10 / 9		12.1 / 11.6 / 10.5 / 9.5			
			l/s	175 / 167 / 158 / 150		185 / 175 / 167 / 150		202 / 193 / 175 / 158			
Fan Motor	Type			-	BLDC		BLDC		BLDC		
	Output			W x n	27 x 1		27 x 1		27 x 1		
Drain	Drain Pipe			Φ, mm	16.3, 550		16.3, 550		16.3, 550		
Sound Level	Sound Pressure Level	H / Silent		dB(A)	38 / 16		38 / 16		40 / 16		
	SoundPowerLevel			dB(A)	56		56		58		
External Dimension	Net Weight			kg	9.9		9.9		9.9		
	Shipping Weight			kg	11.6		11.6		11.6		
	Net Dimensions (WxHxD)			mm	889 x 299 x 215		889 x 299 x 215		889 x 299 x 215		
	Shipping Dimensions (WxHxD)			mm	950 x 290 x 375		950 x 290 x 375		950 x 290 x 375		
Casing	Material			-	HIPS		HIPS		HIPS		
Control System	Infrared remote control			-	Included		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		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
	Heat Exchanger	Type		-	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	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	350
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	1	1
		Air Flow Rate		m ³ /min	45	45	45
				l/s	750	750	750
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		W x n	45 x 1	45 x 1	45 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	45	46
				dB(A)	59	59	62
		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.