

1. Specification

Cebu

Model Name		Indoor Unit		AR50F07C1AHNEU		AR50F09C1AHNEU		AR50F12C1AHNEU			
		Outdoor Unit		AR50F07C1AHXEU		AR50F09C1AHXEU		AR50F12C1AHXEU			
System	Mode			-	Heat Pump		Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.05 / 2 / 3		1.05 / 2.5 / 3.5		1.05 / 3.5 / 4		
				Btu/h	3,583 / 6,824 / 10,236		3,583 / 8,530 / 11,942		3,583 / 11,942 / 13,649		
			Heating	kW	0.85 / 2.2 / 4.5		0.85 / 3.2 / 4.5		0.85 / 3.5 / 5		
				Btu/h	2,900 / 7,507 / 15,355		2,900 / 10,919 / 15,355		2,900 / 11,942 / 17,061		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.21 / 0.46 / 0.88		0.21 / 0.6 / 1.05		0.21 / 1.06 / 1.2		
			Heating	kW	0.18 / 0.47 / 1.6		0.18 / 0.85 / 1.6		0.18 / 0.93 / 1.72		
		Current Input (Min/Std/Max)	Cooling	A	1.2 / 2.4 / 3.9		1.2 / 2.9 / 4.6		1.2 / 4.7 / 5.3		
			Heating	A	1.4 / 2.5 / 7		1.4 / 3.8 / 7		1.4 / 4.2 / 7.6		
	Efficiency	EER	Cooling	W/W	4.35		4.17		3.30		
		COP	Heating	-	4.68		3.76		3.76		
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	2		2.5		3.5		
		SEER		W/W	7.6 (A++)		7.4 (A++)		7 (A++)		
		Pdesign_H	Heating (Wamer/Average)	kW	1.2 / 2.1		1.2 / 2.1		1.2 / 2.2		
		SCOP		W/W	4.9 / 4.2 (A++ / A+)		4.9 / 4.2 (A++ / A+)		4.9 / 4.2 (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	15		15		15	
Max. Height (Between ID/OD)	m			8		8		8			
Wiring connections	Power Source Wire		mm²	1.5		1.5		1.5			
	Communication	Min.	mm²	0.75		0.75		0.75			
		Remark	-		F1,F2		F1,F2				
Refrigerant	Type		-	R32		R32		R32			
	Factory Charging		kg	0.70		0.70		0.70			
			tCO₂e	0.47		0.47		0.47			
Indoor 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	
	Fan	Type		-		Cross Flow		Cross Flow		Cross Flow	
		Quantity		EA		1		1		1	
		Air Flow Rate	Cooling (T/H/M/L)	m³/min	10 / 9.5 / 9 / 8.5		10.5 / 10 / 9.5 / 8.5		10.9 / 10.5 / 9.5 / 8.5		
				l/s	167 / 158 / 150 / 142		175 / 167 / 158 / 142		182 / 175 / 158 / 142		
			Heating (T/H/M/L)	m³/min	10.9 / 10.5 / 10 / 9.5		11.4 / 10.9 / 10.5 / 9.5		11.9 / 11.4 / 10.5 / 9.5		
	l/s			182 / 175 / 167 / 158		190 / 182 / 175 / 158		198 / 190 / 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)		37 / 19		37 / 19		38 / 19	
				dB(A)		54		54		56	
	External Dimension	Net Weight		kg		9.1		9.1		9.1	
		Shipping Weight		kg		11.0		11.0		11.0	
		Net Dimensions (WxHxD)		mm		820 x 299 x 215		820 x 299 x 215		820 x 299 x 215	
		Shipping Dimensions (WxHxD)		mm		880 x 290 x 375		880 x 290 x 375		880 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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Model Name				AR50F07C1AHNEU	AR50F09C1AHNEU	AR50F12C1AHNEU
Indoor Unit				AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU
Outdoor Unit				AR50F07C1AHXEU	AR50F09C1AHXEU	AR50F12C1AHXEU
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		UB1TC5102FJ6	UB1TC5102FJ6	UB1TC5102FJ6
		Type		Twin Rotary	Twin Rotary	Twin Rotary
		Output		kW	3.05	3.05
		Oil	Type	POE	POE	POE
			Initial charge	cc	260	260
	Fan	Type		Propeller	Propeller	Propeller
		Discharge direction		Front	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m³/min	38	38
				l/s	633	633
	Fan Motor	Type		BLDC	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)	60	63
	External Dimension	Net Weight		kg	24.0	24.4
		Shipping Weight		kg	26.2	26.2
		Net Dimensions (WxHxD)		mm	710 x 540 x 220	710 x 540 x 220
		Shipping Dimensions (WxHxD)		mm	834 x 620 x 323	834 x 620 x 323
	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.

1. Specification

Cebu

Model Name		Indoor Unit		Outdoor Unit		AR50F15C1AHNEU	AR50F18C1AHNEU	AR50F24C1AHNEU
						AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.95 / 4.3 / 4.8	1.6 / 5 / 6.7	1.4 / 6.5 / 7.6	
				Btu/h	3,242 / 14,672 / 16,378	5,459 / 17,061 / 22,861	4,777 / 22,179 / 25,932	
			Heating	kW	0.75 / 4.3 / 7	1.3 / 6 / 8	1.2 / 7.4 / 9.7	
				Btu/h	2,559 / 14,672 / 23,885	4,436 / 20,473 / 27,297	4,095 / 25,250 / 33,098	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.18 / 1.27 / 1.57	0.32 / 1.39 / 2.18	0.3 / 1.95 / 2.6	
			Heating	kW	0.15 / 1.24 / 2.3	0.27 / 1.61 / 2.5	0.27 / 2.2 / 3.2	
		Current Input (Min/Std/Max)	Cooling	A	1.5 / 5.6 / 6.9	2 / 6.4 / 10	2 / 8.8 / 11.5	
			Heating	A	1.3 / 5.5 / 10.2	1.7 / 7.8 / 11.5	1.7 / 9.8 / 14	
	Efficiency	EER	Cooling	W/W	3.39	3.60	3.33	
		COP	Heating	-	3.47	3.73	3.36	
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	4.3	5	6.5	
		SEER		W/W	7.6 (A++)	7 (A++)	6.8 (A++)	
		Pdesign_H	Heating (Wamer/Average)	kW	1.5 / 2.7	2.2 / 3.8	2.2 / 4.1	
		SCOP		W/W	5.4 / 4.5 (A+++ / A+)	5.3 / 4.1 (A+++ / A+)	5.3 / 4.3 (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)	12.7 (1/2)	15.88 (5/8)	
		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	30	30	
			Max. Height (Between ID/OD)	m	8	15	15	
	Wiring connections	Power Source Wire		mm²	1.5	1.5	2.5	
		Communication	Min.	mm²	0.75	0.75	0.75	
			Remark	-	F1,F2	F1,F2	F1,F2	
	Refrigerant	Type		-	R32	R32	R32	
		Factory Charging		kg	0.93	1.30	1.30	
				tCO ₂ e	0.63	0.88	0.88	
Indoor 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	
	Fan	Type		-	Cross Flow	Cross Flow	Cross Flow	
		Quantity		EA	1	1	1	
		Air Flow Rate	Cooling (T/H/M/L)	m³/min	12.4 / 11.4 / 10 / 8.5	15.7 / 14.4 / 13.1 / 11.7	17.7 / 15.7 / 13.7 / 11.7	
				l/s	207 / 190 / 167 / 142	362 / 240 / 218 / 195	295 / 362 / 228 / 195	
			Heating (T/H/M/L)	m³/min	13.3 / 12.4 / 10.9 / 9.5	15.7 / 14.4 / 13.1 / 11.7	18.4 / 16.4 / 14.4 / 12.4	
			l/s	222 / 207 / 182 / 158	362 / 240 / 218 / 195	307 / 273 / 240 / 207		
	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)	41 / 25	41 / 25	45 / 27	
			SoundPowerLevel		dB(A)	58	58	62
	External Dimension	Net Weight		kg	9.1	12.5	12.5	
		Shipping Weight		kg	11.0	14.2	14.2	
		Net Dimensions (WxHxD)		mm	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215	
		Shipping Dimensions (WxHxD)		mm	880 x 290 x 375	1,115 x 290 x 375	1,115 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			AR50F15C1AHXEU	AR50F18C1AHXEU	AR50F24C1AHXEU	
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	KTN150D42UFR	KTN150D42UFR
		Type		-		Twin Rotary	Twin Rotary	Twin Rotary
		Output		kW		4.09	4.68	4.68
		Oil	Type	-	POE	POE	POE	
			Initial charge	cc	350	450	450	
		Fan	Type		-		Propeller	Propeller
	Discharge direction		-		Front	Front	Front	
	Quantity		EA		1	1	1	
	Air Flow Rate		m³/min		45	50	50	
			l/s		750	833	833	
	Fan Motor	Type		-		BLDC	BLDC	BLDC
		Output		W x n		45 x 1	45 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	48	51	54	
		SoundPowerLevel		dB(A)	65	65	68	
	External Dimension	Net Weight		kg	30.7	36.8	38.6	
		Shipping Weight		kg	33.0	40.1	42.0	
		Net Dimensions (WxHxD)		mm	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310	
		Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	1,023 x 724 x 413	1,023 x 724 x 413	
	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	

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- Specifications may be subject to change without prior notice.
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Indoor temperature: 27°C DB, 19°C WB
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 - Nominal heating capacities are based on;
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 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R32 which is fluorinated greenhouse gas.