

1. Specification

Comfort

Model Name		Indoor Unit		AR60F09C1AWNEU		AR60F12C1AWNEU			
		Outdoor Unit		AR60F09C1AWXEU		AR60F12C1AWXEU			
System	Mode			-	Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1 / 2.5 / 3.5		0.9 / 3.5 / 4.2		
				Btu/h	3,412 / 8,530 / 11,942		3,071 / 11,942 / 14,331		
			Heating	kW	0.88 / 3.2 / 5		0.85 / 4 / 5		
				Btu/h	3,003 / 10,919 / 17,061		2,900 / 13,649 / 17,061		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.2 / 0.625 / 1.07		0.205 / 0.99 / 1.2		
			Heating	kW	0.18 / 0.77 / 1.38		0.18 / 1.02 / 1.45		
		Current Input (Min/Std/Max)	Cooling	A	1.1 / 2.9 / 4.7		1.1 / 4.4 / 5.3		
			Heating	A	1.4 / 3.4 / 6.1		1 / 4.5 / 6.4		
	Efficiency	EER	Cooling	W/W	4.00		3.54		
		COP	Heating	-	4.16		3.92		
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	2.5		3.5		
		SEER		W/W	7.9 (A++)		7.6 (A++)		
		Pdesign_H	Heating	kW	1.2 / 2.2		1.2 / 2.3		
		SCOP		(Wamer/Average)	W/W	5.2 / 4.6 (A+++ / A++)		5.4 / 4.6 (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	15		15		
	Max. Height (Between ID/OD)			m	8		8		
		Wiring connections	Power Source Wire		mm²	1.5		1.5	
	Communication		Min. Remark	mm² -	0.75 F1,F2		0.75 F1,F2		
	Refrigerant	Type		-	R32		R32		
		Factory Charging		kg	0.70		0.70		
				tCO ₂ e	0.47		0.47		
	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	12.1 / 11.1 / 9.5 / 7.9		13.1 / 11.6 / 10 / 7.9		
				l/s	202 / 185 / 158 / 132		218 / 193 / 167 / 132		
			Heating (T/H/M/L)	m³/min	14.2 / 13.1 / 11.6 / 10		14.2 / 12.6 / 11.1 / 9		
				l/s	237 / 218 / 193 / 167		237 / 210 / 185 / 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		40 / 16		
				dB(A)	56		58		
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		-	●		●		

1. Specification

Comfort

Model Name			Indoor Unit		AR60F09C1AWNEU	AR60F12C1AWNEU
			Outdoor Unit		AR60F09C1AWXEU	AR60F12C1AWXEU
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			UB1TC5102FJ6	UB1TC5102FJ6
		Type		-	Twin Rotary	Twin Rotary
		Output		kW	3.05	3.05
		Oil	Type	-	POE	POE
			Initial charge	cc	260	260
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		m³/min	38	38
				l/s	633	633
	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)	63	
	External Dimension	Net Weight		kg	24.0	24.0
		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

Comfort

Model Name		Indoor Unit		AR60F18C1AWNEU		AR60F24C1AWNEU			
		Outdoor Unit		AR60F18C1AWXEU		AR60F24C1AWXEU			
System	Mode			-	Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.6 / 5 / 6.7		1.4 / 6.5 / 7.6		
				Btu/h	5,459 / 17,061 / 22,861		4,777 / 22,179 / 25,932		
			Heating	kW	1.3 / 6 / 8		1.2 / 7.4 / 9.7		
				Btu/h	4,436 / 20,473 / 27,297		4,095 / 25,250 / 33,098		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.32 / 1.39 / 2.18		0.3 / 1.95 / 2.6		
			Heating	kW	0.27 / 1.61 / 2.5		0.27 / 2.2 / 3.2		
		Current Input (Min/Std/Max)	Cooling	A	2 / 6.4 / 10		2 / 8.8 / 11.5		
			Heating	A	1.7 / 7.8 / 11.5		1.7 / 9.8 / 14		
	Efficiency	EER	Cooling	W/W	3.60		3.33		
		COP	Heating	-	3.73		3.36		
	Efficiency (EN14825)	Pdesign_C	Cooling	kW	5		6.5		
		SEER		W/W	7.2 (A++)		7 (A++)		
		Pdesign_H	Heating	kW	2.2 / 3.8		2.2 / 4.1		
		SCOP	(Wamer/Average)	W/W	5.3 / 4.1 (A+++ / A+)		5.3 / 4.3 (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)	12.7 (1/2)		15.88 (5/8)		
		Heat Insulation			-	Both liquid and gas pipes		Both liquid and gas pipes	
		Installation Limitation	Max. Length (Outdoor to indoor)	m	30		30		
				Max. Height (Between ID/OD)	m	15		15	
			Wiring connections	Power Source Wire		mm²	1.5		2.5
	Communication	Min.		mm²	0.75		0.75		
		Remark		-	F1,F2		F1,F2		
	Refrigerant	Type		-	R32		R32		
		Factory Charging		kg	1.30		1.30		
				tCO ₂ e	0.88		0.88		
	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	15.7 / 14.5 / 13.2 / 11.3		17.6 / 15.7 / 13.9 / 11.3		
				l/s	362 / 242 / 220 / 188		293 / 362 / 232 / 188		
			Heating (T/H/M/L)	m³/min	15.7 / 14.5 / 13.2 / 11.3		18.3 / 16.4 / 14.5 / 12		
			l/s	362 / 242 / 220 / 188		305 / 273 / 242 / 200			
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)	41 / 25		45 / 27		
				dB(A)	58		62		
External Dimension		Net Weight		kg	12.3		12.3		
		Shipping Weight		kg	14.2		14.2		
		Net Dimensions (WxHxD)		mm	1,055 x 299 x 215		1,055 x 299 x 215		
		Shipping Dimensions (WxHxD)		mm	1,115 x 290 x 375		1,115 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		-	●		●		

1. Specification

Comfort

Model Name			Indoor Unit		AR60F18C1AWNEU	AR60F24C1AWNEU	
			Outdoor Unit		AR60F18C1AWXEU	AR60F24C1AWXEU	
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			KTN150D42UFR	KTN150D42UFR	
		Type		-	Twin Rotary	Twin Rotary	
		Output		kW	4.68	4.68	
		Oil	Type	-	POE	POE	
			Initial charge	cc	450	450	
	Fan	Type		-	Propeller	Propeller	
		Discharge direction		-	Front	Front	
		Quantity		EA	1	1	
		Air Flow Rate		m³/min	50	50	
				l/s	833	833	
	Fan Motor	Type		-	BLDC	BLDC	
		Output		W x n	45 x 1	125 x 1	
	Sound Level	Sound Pressure Level	Cooling	dB(A)	51	54	
				dB(A)	65	68	
		SoundPowerLevel		dB(A)	65	68	
	External Dimension	Net Weight		kg	36.8	38.6	
		Shipping Weight		kg	40.1	42.0	
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 638 x 310	
		Shipping Dimensions (WxHxD)		mm	1,023 x 724 x 413	1,023 x 724 x 413	
	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

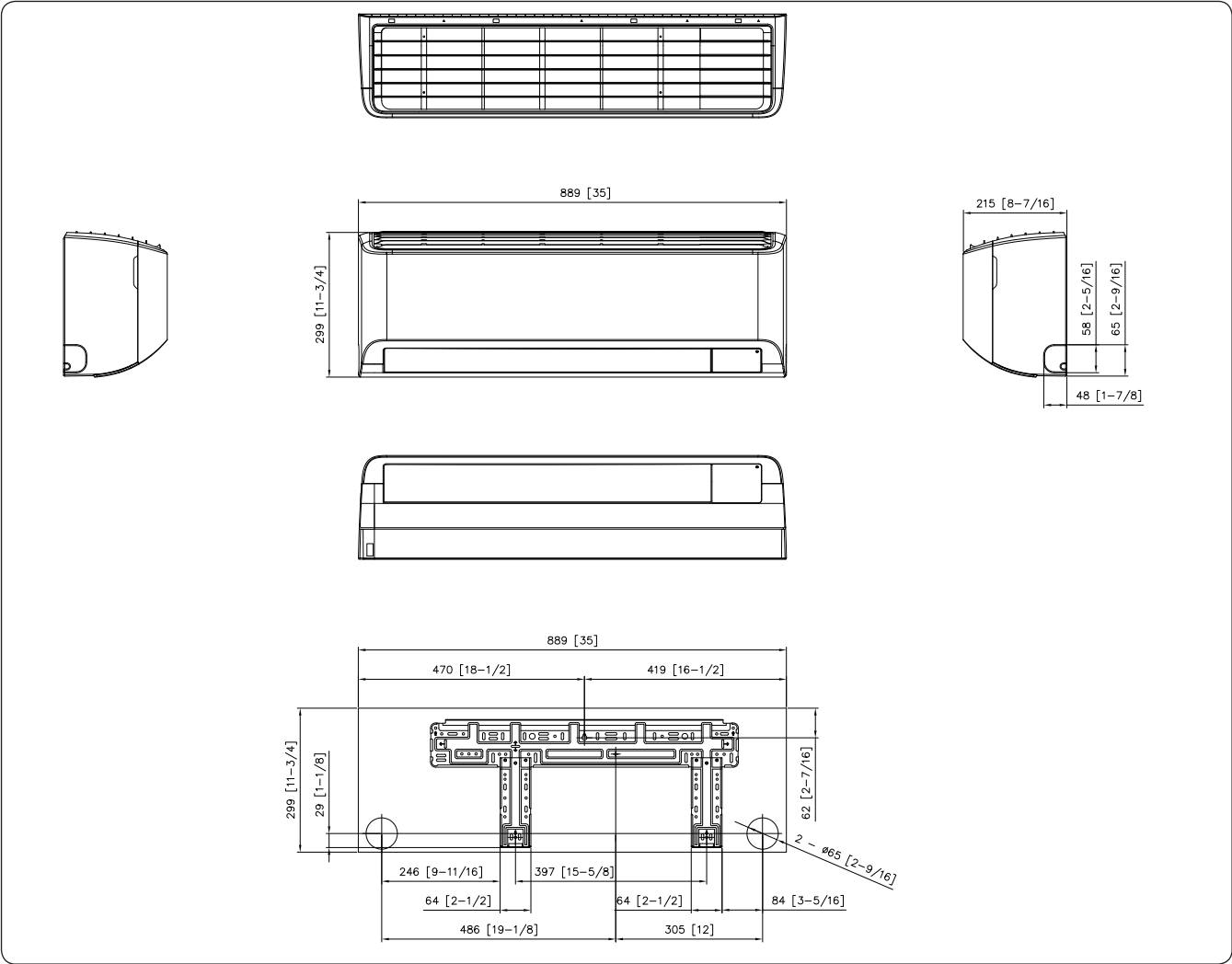
- Specifications may be subject to change without prior notice.
- 1) Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB
Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 5m, Level differences: 0 m
- 2) Nominal heating capacities are based on;
Indoor temperature: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

3. Dimensional Drawing

Indoor units

AR70F09CAAWNEU, AR70F12CAAWNEU, AR70F07C1AWNEU, AR70F09C1AWNEU, AR70F12C1AWNEU
AR70F15C1AWNEU, AR70F07C1ABNEU, AR70F09C1ABNEU, AR70F12C1ABNEU, AR60F09C1AWNEU
AR60F12C1AWNEU

Unit: mm (inches)

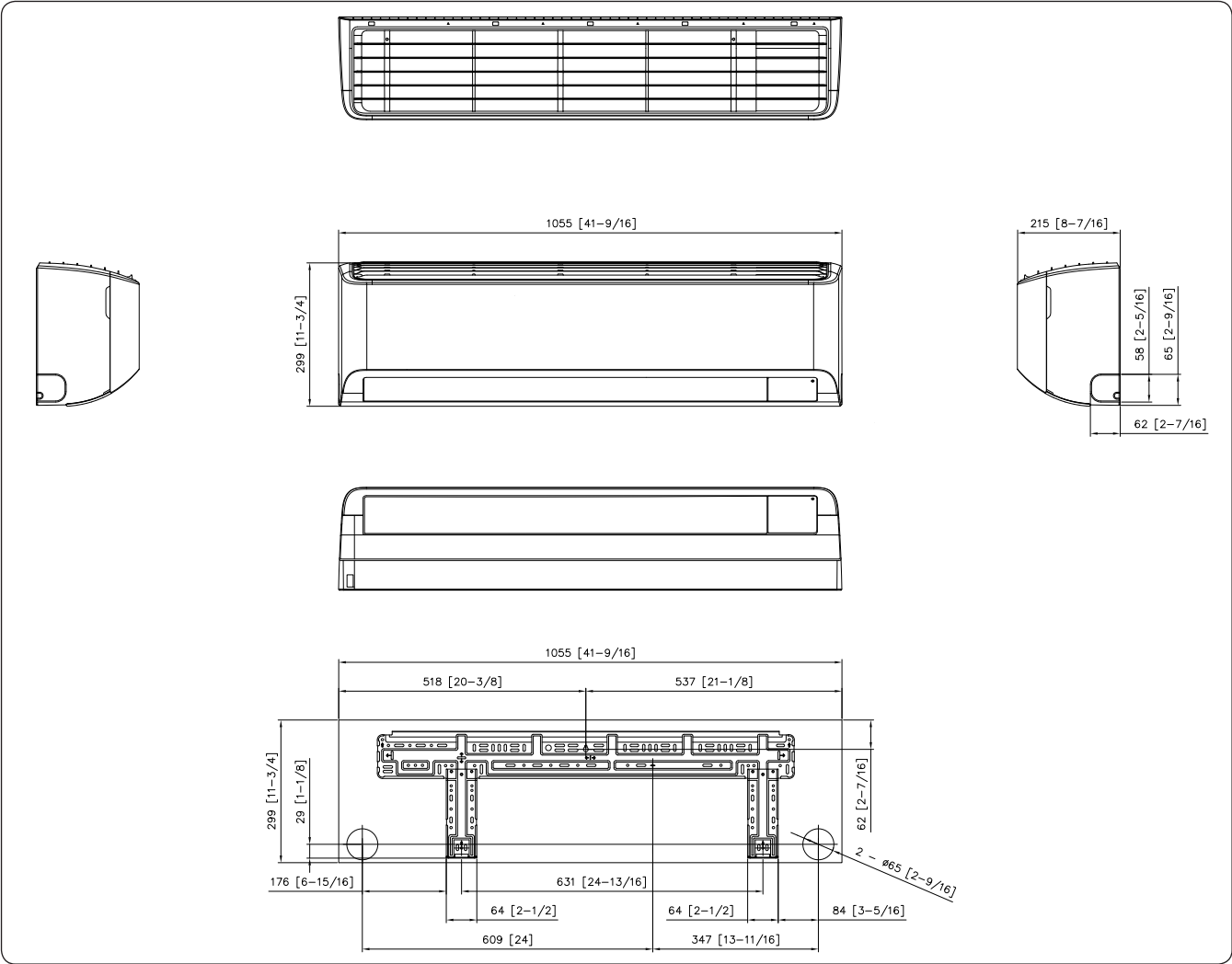


3. Dimensional Drawing

Indoor units

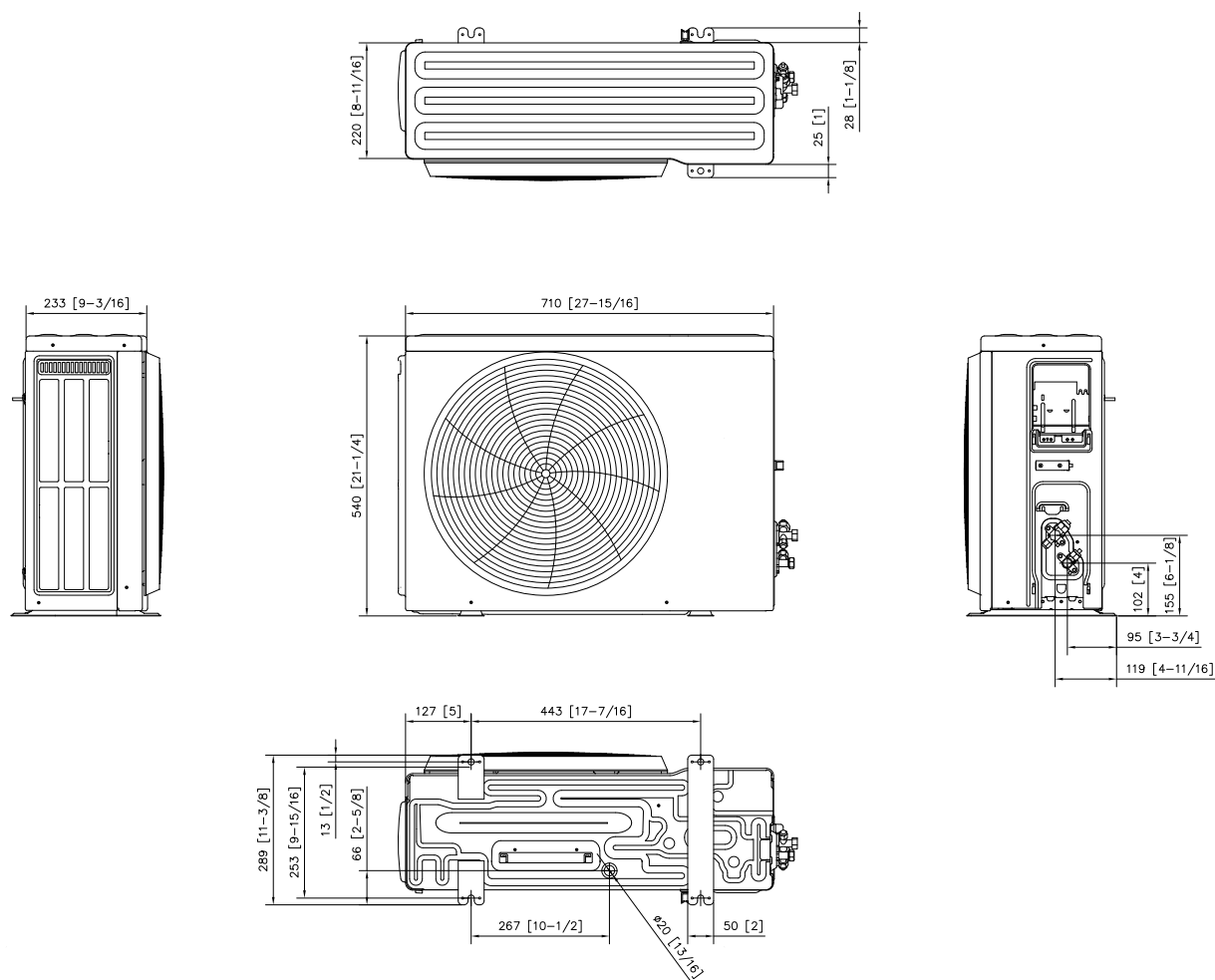
AR70F18C1AWNEU, AR70F24C1AWNEU, AR60F18C1AWNEU, AR60F24C1AWNEU, AR50F18C1AHNEU
AR50F24C1AHNEU, AR50F18C1BHNEU, AR50F24C1BHNEU

Unit: mm (inches)



Outdoor units

Unit: mm (inches)



3. Dimensional Drawing

Outdoor units

AR70F18C1AWXEU, AR70F24C1AWXEU, AR60F18C1AWXEU, AR60F24C1AWXEU, AR50F18C1AHXEU
AR50F24C1AHXEU, AR50F18C1BHXEU, AR50F24C1BHXEU

Unit: mm (inches)

