

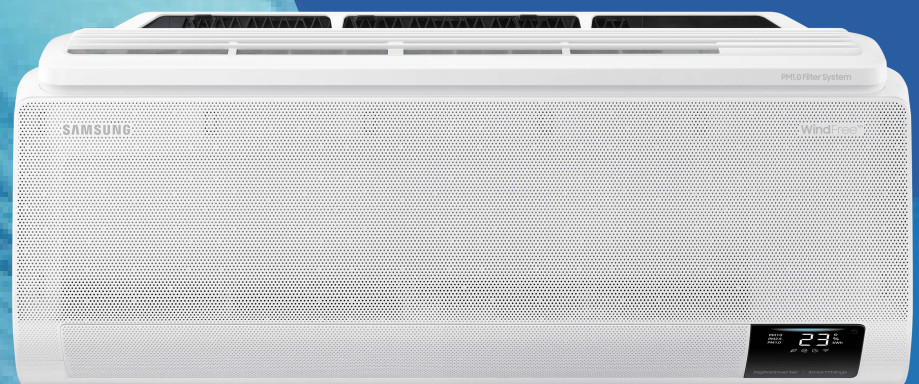
SAMSUNG

RAC

Technical

Data Book

RAC for North America
(INV, R410A, 60Hz, HP)



Model : RNS**ABC (AR**CSDABWKNCV) +RXS**A*C (AR**CSDA*WKXCV)
RNS**CMC (AR**CSFCMWKNCV) +RXS**CMC (AR**CSFCMWKXCV)
RNS**CPC (AR**CSKCPWKNCV) +RXS**CMC (AR**CSFCMWKXCV)

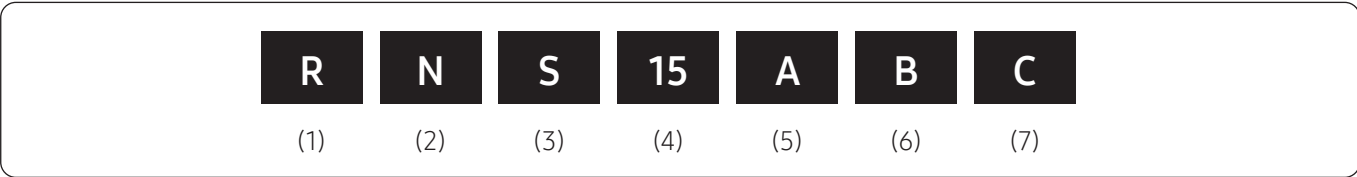
History

Version	Modification	Date	Remark
Ver. 1.0	Released 2023 RAC for North America (WindFree 3.0)	22. 11. 17	
Ver. 2.0	Added New line up (WindFree™*3.0i)/Modified the Capacity Table	23. 01. 16	
Ver. 2.1	Modified the typo	23. 03. 03	

Nomenclature

US Code

Model Name



(1) Classification

R	RAC
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(2) Product Type

N	Indoor Unit
X	Outdoor Unit

(3) Mode

S	Inverter HP R410A
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(4) Capacity

X1,000 Btu/h (2 digits)

(5) Design

A	WindFree GEO
C	WindFree AIRISE

(6-1) Feature (Indoor Unit)

B	Motion Detect Sensor + Wi-Fi
P	PM1.0 Filter & PM1.0 sensor + Wi-Fi
M	Wi-Fi

(6-2) Feature (Outdoor Unit)

B	WindFree™* 3.0
C	Max Heat@ 3.0
M	WindFree™* 3.0e WindFree™* 3.0i

(7) YEAR

C	2023
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Nomenclature

Model Name

AR	15	C	S	D	A	B	WK	N	CV
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Buyer

(1) Classification

AR	RAC
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(6) Design Segment

A	WindFree GEO
C	WindFree AIRISE

(2) Capacity

x1000 Btu/h (2 digits)

(7) Version

A-Z (1 digit)

(3) Year

A	2021
B	2022
C	2023

(8) Color

WK	DA White
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(4) Product Type

S	INVERTER HP R410A
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(9) Set





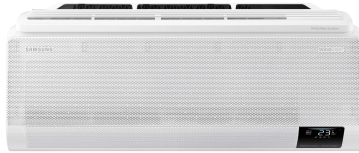

N	Indoor Unit
X	Outdoor Unit
/	Set

(5) Characteristics

D	Motion Detect Sensor +Wi-Fi
K	PM1.0 Filter & PM1.0 sensor + Wi-Fi
F	Wi-Fi

Lineup

Indoor Unit











Model Type	Design	Image	
Max Heat® 3.0	WindFree™* GEO		
WindFree™* 3.0			
WindFree™* 3.0e	WindFree™* AIRISE		
WindFree™*3.0i	WindFree™* AIRISE		

Model Type	Design	Capacity (K Btu/h)				
		9	12	15	18	24
Max Heat® 3.0	WindFree™* GEO	●	●	●	●	●
WindFree™* 3.0						
WindFree™* 3.0e	WindFree™* AIRISE	●	●	●	●	●
WindFree™*3.0i						

* The WindFree 3.0 unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Lineup

Outdoor units

Model Type	Design	Capacity (K Btu/h)				
		9	12	15	18	24
Max Heat® 3.0	WindFree™* GEO					
WindFree™* 3.0						
WindFree™* 3.0e	WindFree™* AIRISE					
WindFree™* 3.0i						

* The WindFree 3.0 unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

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1. Specification

Max Heat® 3.0

Model Name		Indoor Unit		AR09CSDABWKNVCV	AR12CSDABWKNVCV	AR15CSDABWKNVCV		
US Code		Outdoor Unit		AR09CSDACWKXCVCV	AR12CSDACWKXCVCV	AR15CSDACWKXCVCV		
Indoor Unit		RNS09ABC		RNS12ABC	RNS15ABC			
Outdoor Unit		RXS09ACC		RXS12ACC	RXS15ACC			
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.810	0.879 / 3.517 / 4.396	1.172 / 4.396 / 6.154	
				Btu/h	3,000 / 9,000 / 13,000	3,000 / 12,000 / 15,000	4,000 / 15,000 / 21,000	
				US RT	0.25 / 0.75 / 1.08	0.25 / 1.00 / 1.25	0.33 / 1.25 / 1.75	
			Heating	kW	0.703 / 3.224 / 6.154	0.762 / 3.517 / 6.301	0.879 / 4.396 / 10.257	
				Btu/h	2,400 / 11,000 / 21,000	2,600 / 12,000 / 21,500	3,000 / 15,000 / 35,000	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.15 / 0.58 / 1.10	0.15 / 0.89 / 1.35	0.25 / 1.07 / 1.95	
			Heating	kW	0.15 / 0.73 / 2.05	0.16 / 0.83 / 2.05	0.23 / 0.98 / 3.35	
		Current Input (Min/Std/Max)	Cooling	A	1.0 / 2.8 / 5.2	1.0 / 4.2 / 6.3	1.7 / 5.0 / 8.6	
			Heating	A	1.0 / 3.4 / 9.0	1.1 / 3.8 / 9.0	1.6 / 4.5 / 15.5	
		Current	MCA	A	12	12.5	21	
	Efficiency	EER2	Cooling	(Btu/h)/W	15.50	13.50	14.00	
			Heating	W/W	4.41	4.24	4.48	
		SEER2	(Btu/h)/W	24.5	23.0	21.5		
		HSPF2	(Btu/h)/W	10.5	10.5	10.8		
	Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
		Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	
		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 (ft)		20 (66)	20 (66)	30 (98)	
		Max. Height (Between ID/OD)	m (ft)		15 (49)	15 (49)	20 (66)	
	Wiring connections	Communication	Min.	mm'	0.75	0.75	0.75	
			Remark		F1,F2	F1,F2	F1,F2	
Power Supply				Outdoor unit powers indoor unit	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit		
Refrigerant	Type			R410A	R410A	R410A		
	Factory Charging		Kg (lbs)	1.15 (2.54)	1.15 (2.54)	1.60 (3.53)		
Indoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T	F&T	
		Material	Fin		-	Al	Al	Al
			Tube		-	Cu	Cu	Cu
	Fin Treatment			-	Green Hydrophile	Green Hydrophile	Green Hydrophile	
	Fan	Type			-	Cross Flow	Cross Flow	Cross Flow
		Quantity		EA	1	1	1	
			Air Flow Rate	Cooling (T/H/M/L)	CMM	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1	16.4 / 15.1 / 13.2 / 11.3
		Heating (T/H/M/L)		CFM	391.99 / 356.68 / 303.71 / 250.73	427.31 / 374.34 / 321.36 / 250.73	579.16 / 533.25 / 466.15 / 399.06	
	Fan Motor	Type			-	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	Sound Pressure Level	H / Silent	dB(A)	38/22	39/22	41/25	
	External Dimension	Net Weight		Kg (lbs)	10.6 (23.4)	10.6 (23.4)	12.5 (27.6)	
		Shipping Weight		Kg (lbs)	12.0 (26.5)	12.0 (26.5)	14.3 (31.5)	
		Net Dimensions (WxHxD)		mm	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	
				inch	35 x 11-3/4 x 8-7/16	35 x 11-3/4 x 8-7/16	41-9/16 x 11-3/4 x 8-7/16	
Shipping Dimensions (WxHxD)			mm	950 x 290 x 375	950 x 290 x 375	1,115 x 290 x 375		
		inch	37-3/8 x 11-7/16 x 14-3/4	37-3/8 x 11-7/16 x 14-3/4	43-7/8 x 11-7/16 x 14-3/4			

1. Specification

Max Heat® 3.0

Model Name		Indoor Unit		AR09CSDABWKNCV	AR12CSDABWKNCV	AR15CSDABWKNCV	
US Code		Indoor Unit		RNS09ABC	RNS12ABC	RNS15ABC	
		Outdoor Unit		AR09CSDACWKXCV	AR12CSDACWKXCV	AR15CSDACWKXCV	
		Outdoor Unit		RXS09ACC	RXS12ACC	RXS15ACC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	HIPS	
		Infrared remote control	-	Included	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-	-
		Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement		mm / Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
Tri-Care Filter		-	-	-	-		
Motion Detect Sensor		-	•	•	•		
Wi-Fi		-	•	•	•		
Outdoor Unit	Power Supply			∅, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60
	Heat Exchanger	Type		-	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	
	Compressor	Model Name			KTN130D42UFR	KTN130D42UFR	KTN150D42UFR
		Type		-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.09	4.09	4.68
		Oil	Type	-	POE	POE	POE
	Initial charge		cc	350	350	450	
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	1	1
		Air Flow Rate	CMM		45	45	57
	CFM		1,589	1,589	2,013		
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		W x n	40 x 1	40 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	45	46	48
			Net Weight		Kg (lbs)	32.4 (71.4)	32.4 (71.4)
	External Dimension	Shipping Weight		Kg (lbs)	34.4 (75.8)	34.4 (75.8)	52.5 (115.7)
Net Dimensions (WxHxD)		mm		790 x 548 x 285	790 x 548 x 285	880 x 798 x 310	
		inch		31-1/8 x 21-9/16 x 11-1/4	31-1/8 x 21-9/16 x 11-1/4	34-5/8 x 31-7/16 x 12-3/16	
Shipping Dimensions (WxHxD)		mm		913 x 622 x 371	913 x 622 x 371	1,023 x 896 x 413	
		inch		35-15/16 x 24-1/2 x 14-5/8	35-15/16 x 24-1/2 x 14-5/8	40-1/4 x 35-1/4 x 16-1/4	
Casing		Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	EGI Steel Plate / PP
	Operating Temp. Range		Cooling	°F	-0.4~114.8	-0.4~114.8	-0.4~114.8
		Heating	°F	-22.0~75.2	-22.0~75.2	-22.0~75.2	

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
 - Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
 - Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
 - Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
 - Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.
- * The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

Max Heat® 3.0

Model Name		Indoor Unit		AR18CSDABWKNCV		AR24CSDABWKNCV			
		Outdoor Unit		AR18CSDACWKXCV		AR24CSDACWKXCV			
US Code		Indoor Unit		RNS18ABC		RNS24ABC			
		Outdoor Unit		RXS18ACC		RXS24ACC			
System	Mode			-	Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	2.198 / 5.275 / 7.000		2.579 / 6.154 / 9.290		
				Btu/h	7,500 / 18,000 / 23,884		8,800 / 21,000 / 31,700		
				US RT	0.62 / 1.50 / 1.99		0.73 / 1.75 / 2.64		
			Heating	kW	2.051 / 5.861 / 11.723		2.198 / 7.327 / 12.456		
				Btu/h	7,000 / 20,000 / 40,000		7,500 / 25,000 / 42,500		
				US RT	0.58 / 1.67 / 3.33		0.62 / 2.08 / 3.54		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.47 / 1.385 / 2.55		0.52 / 1.68 / 3.10		
			Heating	kW	0.38 / 1.57 / 3.90		0.50 / 2.00 / 4.20		
		Current Input (Min/Std/Max)	Cooling	A	2.5 / 6.2 / 11.2		2.7 / 7.6 / 13.7		
			Heating	A	2.3 / 7.0 / 17.1		2.6 / 9.0 / 18.5		
		Current	MCA	A	21		21		
			MOP	A	30		30		
	Efficiency	EER2	Cooling	(Btu/h)/W	13.00		12.50		
		COP	Heating	W/W	3.74		3.66		
		SEER2			(Btu/h)/W		21.0		
		HSPF2			(Btu/h)/W		8.5		
	Piping Connections	Liquid Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	6.35 (1/4)		6.35 (1/4)		
		Gas Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	12.70 (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 (ft)	30 (98)		30 (98)	
	Max. Height (Between ID/OD)		m (ft)	20 (66)		20 (66)			
	Wiring connections	Communication	Min.	mm ²	0.75		0.75		
			Remark	-	F1,F2		F1,F2		
	Power Supply			-	Outdoor unit powers indoor unit		Outdoor unit powers indoor unit		
	Refrigerant	Type		-	R410A		R410A		
Factory Charging		Kg (lbs)	1.80 (3.97)		2.50 (5.51)				
Indoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60		1, 2, 208-230, 60		
	Heat Exchanger	Type		-	F&T		F&T		
		Material	Fin	-	Al		Al		
			Tube	-	Cu		Cu		
		Fin Treatment			-	Green Hydrophile		Green Hydrophile	
	Fan	Type		-	Cross Flow		Cross Flow		
		Quantity			EA	1		1	
		Air Flow Rate	Cooling (T/H/M/L)	CMM	16.4 / 15.1 / 13.2 / 11.3		20.2 / 17.6 / 15.1 / 12.6		
				CFM	579.16 / 533.25 / 466.15 / 399.06		713.36 / 621.54 / 533.25 / 444.96		
			Heating (T/H/M/L)	CMM	17.0 / 15.7 / 13.9 / 12.0		20.2 / 17.6 / 15.1 / 12.6		
				CFM	600.35 / 554.44 / 490.87 / 423.78		713.36 / 621.54 / 533.25 / 444.96		
	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	Sound Pressure Level	H / Silent		dB(A)	42/25		47/28	
			Net Weight			Kg (lbs)	12.5 (27.6)		12.5 (27.6)
	External Dimension	Shipping Weight			Kg (lbs)	14.3 (31.5)		14.3 (31.5)	
Net Dimensions (WxHxD)			mm	1,055 x 299 x 215		1,055 x 299 x 215			
			inch	41-9/16 x 11-3/4 x 8-7/16		41-9/16 x 11-3/4 x 8-7/16			
Shipping Dimensions (WxHxD)			mm	1,115 x 290 x 375		1,115 x 290 x 375			
			inch	43-7/8 x 11-7/16 x 14-3/4		43-7/8 x 11-7/16 x 14-3/4			

1. Specification

Max Heat® 3.0

Model Name		Indoor Unit		AR18CSDABWKNCV	AR24CSDABWKNCV	
US Code		Indoor Unit		RNS18ABC	RNS24ABC	
		Outdoor Unit		AR18CSDACWKXCV	AR24CSDACWKXCV	
		Outdoor Unit		RXS18ACC	RXS24ACC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	
		Infrared remote control	-	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-
		Drain Pump	External Model	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	mm / Liter/h	-	-
		Easy Filter Plus	-	Removable / Washable	Removable / Washable	
		PM1.0 Filter & PM1.0 sensor	-	-	-	
Tri-Care Filter		-	-	-		
Motion Detect Sensor	-	•	•			
Wi-Fi	-	•	•			
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name		-	UG8TH8265FEW	UG8TH8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	7.83	7.83
		Oil	Type	-	POE	POE
			Initial charge	cc	700	700
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		CMM	57	80
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	125 x 1	125 x 1
		Sound	Sound Pressure Level	Cooling	dB(A)	51
	External Dimension		Net Weight		Kg (lbs)	55.6 (122.6)
		Shipping Weight		Kg (lbs)	59.2 (130.6)	73.5 (162.0)
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330
				inch	34-5/8 x 31-7/16 x 12-3/16	37 x 39-5/16 x 12-1
		Shipping Dimensions (WxHxD)		mm	1,023 x 896 x 413	995 x 1,096 x 426
Casing	Type		-	EGI Steel Plate / PP	EGI Steel Plate / PP	
	Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	
Operating Temp. Range	Cooling		°F	-0.4~114.8	-0.4~114.8	
	Heating		°F	-22.0~75.2	-22.0~75.2	

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
 - Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
 - Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
 - Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
 - Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.
- * The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0

Model Name		Indoor Unit		AR09CSDABWKNVCV	AR12CSDABWKNVCV	AR15CSDABWKNVCV		
US Code		Outdoor Unit		AR09CSDABWKXCV	AR12CSDABWKXCV	AR15CSDABWKXCV		
Indoor Unit		RNS09ABC		RNS12ABC	RNS15ABC			
Outdoor Unit		RXS09ABC		RXS12ABC	RXS15ABC			
System	Mode		-	Heat Pump	Heat Pump	Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.810	0.879 / 3.517 / 4.396	1.172 / 4.396 / 6.154	
				Btu/h	3,000 / 9,000 / 13,000	3,000 / 12,000 / 15,000	4,000 / 15,000 / 21,000	
				US RT	0.25 / 0.75 / 1.08	0.25 / 1.00 / 1.25	0.33 / 1.25 / 1.75	
			Heating	kW	0.703 / 3.224 / 6.154	0.762 / 3.517 / 6.301	0.879 / 4.396 / 10.257	
				Btu/h	2,400 / 11,000 / 21,000	2,600 / 12,000 / 21,500	3,000 / 15,000 / 35,000	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.15 / 0.58 / 1.10	0.15 / 0.89 / 1.35	0.25 / 1.07 / 1.95	
			Heating	kW	0.15 / 0.73 / 2.05	0.16 / 0.83 / 2.05	0.23 / 0.98 / 3.35	
		Current Input (Min/Std/Max)	Cooling	A	1.0 / 2.8 / 5.2	1.0 / 4.2 / 6.3	1.7 / 5.0 / 8.6	
			Heating	A	1.0 / 3.4 / 9.0	1.1 / 3.8 / 9.0	1.6 / 4.5 / 15.5	
		Current	MCA	A	12	12.5	21	
	Efficiency	EER2	Cooling	(Btu/h)/W	15.50	13.50	14.00	
			Heating	W/W	4.41	4.24	4.48	
		SEER2	(Btu/h)/W	24.5	23.0	21.5		
		HSPF2	(Btu/h)/W	10.5	10.5	10.8		
	Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
		Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	
		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 (ft)		20 (66)	20 (66)	30 (98)		
	Max. Height (Between ID/OD)	m (ft)		15 (49)	15 (49)	20 (66)		
Wiring connections	Communication	Min.	mm'	0.75	0.75	0.75		
		Remark	-	F1,F2	F1,F2	F1,F2		
Power Supply			-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit		
Refrigerant	Type		-	R410A	R410A	R410A		
	Factory Charging		Kg (lbs)	1.15 (2.54)	1.15 (2.54)	1.60 (3.53)		
Indoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60		
	Heat Exchanger	Type		-	F&T	F&T	F&T	
		Material	Fin		-	Al	Al	Al
			Tube		-	Cu	Cu	Cu
	Fin Treatment		-	Green Hydrophile	Green Hydrophile	Green Hydrophile		
	Fan	Type		-	Cross Flow	Cross Flow	Cross Flow	
		Quantity		EA	1	1	1	
			Air Flow Rate	Cooling (T/H/M/L)	CMM	11.1 / 10.1 / 8.6 / 7.1	12.1 / 10.6 / 9.1 / 7.1	16.4 / 15.1 / 13.2 / 11.3
		Heating (T/H/M/L)		CFM	391.99 / 356.68 / 303.71 / 250.73	427.31 / 374.34 / 321.36 / 250.73	579.16 / 533.25 / 466.15 / 399.06	
	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	Sound Pressure Level	H / Silent	dB(A)	38/22	39/22	41/25	
	External Dimension	Net Weight		Kg (lbs)	10.6 (23.4)	10.6 (23.4)	12.5 (27.6)	
		Shipping Weight		Kg (lbs)	12.0 (26.5)	12.0 (26.5)	14.3 (31.5)	
		Net Dimensions (WxHxD)		mm	889 x 299 x 215	889 x 299 x 215	1,055 x 299 x 215	
			inch	35 x 11-3/4 x 8-7/16	35 x 11-3/4 x 8-7/16	41-9/16 x 11-3/4 x 8-7/16		
Shipping Dimensions (WxHxD)			mm	950 x 290 x 375	950 x 290 x 375	1,115 x 290 x 375		
			inch	37-3/8 x 11-7/16 x 14-3/4	37-3/8 x 11-7/16 x 14-3/4	43-7/8 x 11-7/16 x 14-3/4		

1. Specification

WindFree™* 3.0

Model Name		Indoor Unit		AR09CSDABWKNCV	AR12CSDABWKNCV	AR15CSDABWKNCV	
US Code		Indoor Unit		RNS09ABC	RNS12ABC	RNS15ABC	
		Outdoor Unit		AR09CSDABWKXCV	AR12CSDABWKXCV	AR15CSDABWKXCV	
		Outdoor Unit		RXS09ABC	RXS12ABC	RXS15ABC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	HIPS	
		Infrared remote control	-	Included	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-	-
		Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement		mm / Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
Tri-Care Filter		-	-	-	-		
Motion Detect Sensor		-	•	•	•		
Wi-Fi		-	•	•	•		
Outdoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60
	Heat Exchanger	Type	-	F&T	F&T	F&T	
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	
	Compressor	Model Name			KTN130D42UFR	KTN130D42UFR	KTN150D42UFR
		Type		-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.09	4.09	4.68
		Oil	Type	-	POE	POE	POE
	Initial charge		cc	350	350	450	
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	1	1
		Air Flow Rate		CMM	45	45	57
	CFM			1,589	1,589	2,013	
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		W x n	40 x 1	40 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	45	46	48
			Net Weight		Kg (lbs)	32.4 (71.4)	32.4 (71.4)
	External Dimension	Shipping Weight		Kg (lbs)	34.4 (75.8)	34.4 (75.8)	52.5 (115.7)
Net Dimensions (WxHxD)		mm	790 x 548 x 285	790 x 548 x 285	880 x 798 x 310		
		inch	31-1/8 x 21-9/16 x 11-1/4	31-1/8 x 21-9/16 x 11-1/4	34-5/8 x 31-7/16 x 12-3/16		
Shipping Dimensions (WxHxD)		mm	913 x 622 x 371	913 x 622 x 371	1,023 x 896 x 413		
		inch	35-15/16 x 24-1/2 x 14-5/8	35-15/16 x 24-1/2 x 14-5/8	40-1/4 x 35-1/4 x 16-1/4		
Casing		Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	EGI Steel Plate / PP
Operating Temp. Range	Cooling		°F	14.0~114.8	14.0~114.8	14.0~114.8	
	Heating		°F	-5.1~75.2	-5.1~75.2	-5.1~75.2	

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.
Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0

Model Name		Indoor Unit		AR18CSDABWKNCV		AR24CSDABWKNCV			
		Outdoor Unit		AR18CSDABWKXCV		AR24CSDABWKXCV			
US Code		Indoor Unit		RNS18ABC		RNS24ABC			
		Outdoor Unit		RXS18ABC		RXS24ABC			
System	Mode			-	Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	2.198 / 5.275 / 7.000		2.579 / 6.154 / 9.290		
				Btu/h	7,500 / 18,000 / 23,884		8,800 / 21,000 / 31,700		
				US RT	0.62 / 1.50 / 1.99		0.73 / 1.75 / 2.64		
			Heating	kW	2.051 / 5.861 / 11.723		2.198 / 7.327 / 12.456		
				Btu/h	7,000 / 20,000 / 40,000		7,500 / 25,000 / 42,500		
				US RT	0.58 / 1.67 / 3.33		0.62 / 2.08 / 3.54		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.470 / 1.385 / 2.550		0.520 / 1.680 / 3.100		
			Heating	kW	0.38 / 1.57 / 3.90		0.50 / 2.00 / 4.20		
		Current Input (Min/Std/Max)	Cooling	A	2.5 / 6.2 / 11.2		2.7 / 7.6 / 13.7		
			Heating	A	2.3 / 7.0 / 17.1		2.6 / 9.0 / 18.5		
		Current	MCA	A	21		21		
			MOP	A	30		30		
	Efficiency	EER2	Cooling	(Btu/h)/W	13.00		12.50		
		COP	Heating	W/W	3.74		3.66		
		SEER2			(Btu/h)/W		21.0		
		HSPF2			(Btu/h)/W		8.5		
	Piping Connections	Liquid Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	6.35 (1/4)		6.35 (1/4)		
		Gas Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	12.70 (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 (ft)	30 (98)		30 (98)	
	Max. Height (Between ID/OD)		m (ft)	20 (66)		20 (66)			
	Wiring connections	Communication	Min.	mm ²	0.75		0.75		
			Remark	-	F1,F2		F1,F2		
	Power Supply			-	Outdoor unit powers indoor unit		Outdoor unit powers indoor unit		
	Refrigerant	Type		-	R410A		R410A		
Factory Charging		Kg (lbs)	1.80 (3.97)		2.50 (5.51)				
Indoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60		1, 2, 208-230, 60		
	Heat Exchanger	Type		-	F&T		F&T		
		Material	Fin	-	Al		Al		
			Tube	-	Cu		Cu		
		Fin Treatment			-	Green Hydrophile		Green Hydrophile	
	Fan	Type		-	Cross Flow		Cross Flow		
		Quantity			EA	1		1	
		Air Flow Rate	Cooling (T/H/M/L)	CMM	16.4 / 15.1 / 13.2 / 11.3		20.2 / 17.6 / 15.1 / 12.6		
				CFM	579.16 / 533.25 / 466.15 / 399.06		713.36 / 621.54 / 533.25 / 444.96		
			Heating (T/H/M/L)	CMM	17.0 / 15.7 / 13.9 / 12.0		20.2 / 17.6 / 15.1 / 12.6		
	CFM			600.35 / 554.44 / 490.87 / 423.78		713.36 / 621.54 / 533.25 / 444.96			
	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	Sound Pressure Level	H / Silent		dB(A)	42/25		47/28	
			Net Weight		Kg (lbs)	12.5 (27.6)		12.5 (27.6)	
	External Dimension	Shipping Weight		Kg (lbs)	14.3 (31.5)		14.3 (31.5)		
Net Dimensions (WxHxD)		mm	1,055 x 299 x 215		1,055 x 299 x 215				
		inch	41-9/16 x 11-3/4 x 8-7/16		41-9/16 x 11-3/4 x 8-7/16				
Shipping Dimensions (WxHxD)		mm	1,115 x 290 x 375		1,115 x 290 x 375				
		inch	43-7/8 x 11-7/16 x 14-3/4		43-7/8 x 11-7/16 x 14-3/4				

1. Specification

WindFree™* 3.0

Model Name		Indoor Unit		AR18CSDABWKNCV	AR24CSDABWKNCV	
US Code		Indoor Unit		RNS18ABC	RNS24ABC	
		Outdoor Unit		AR18CSDABWKXCV	AR24CSDABWKXCV	
		Outdoor Unit		RXS18ABC	RXS24ABC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	
		Infrared remote control	-	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-
		Drain Pump	External Model	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	mm / Liter/h	-	-
		Easy Filter Plus	-	Removable / Washable	Removable / Washable	
		PM1.0 Filter & PM1.0 sensor	-	-	-	
Tri-Care Filter		-	-	-		
Motion Detect Sensor	-	•	•			
Wi-Fi	-	•	•			
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name		-	UG8TH8265FEW	UG8TH8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	7.83	7.83
		Oil	Type	-	POE	POE
			Initial charge	cc	700	700
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		CMM	57	80
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	125 x 1	125 x 1
		Sound	Sound Pressure Level	Cooling	dB(A)	51
	External Dimension		Net Weight		Kg (lbs)	55.6 (122.6)
		Shipping Weight		Kg (lbs)	59.2 (130.6)	73.5 (162.0)
		Net Dimensions (WxHxD)		mm	880 x 798 x 310	940 x 998 x 330
				inch	34-5/8 x 31-7/16 x 12-3/16	37 x 39-5/16 x 12-1
		Shipping Dimensions (WxHxD)		mm	1,023 x 896 x 413	995 x 1,096 x 426
	Casing	Body		-	EGI Steel Plate / PP	EGI Steel Plate / PP
Operating Temp. Range		Cooling	°F	14.0~114.8	14.0~114.8	
	Heating		°F	-5.1~75.2	-5.1~75.2	

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.
Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0e

Model Name		Indoor Unit		AR09CSFCMWKNCV	AR12CSFCMWKNCV	AR15CSFCMWKNCV		
US Code		Indoor Unit		RNS09CMC	RNS12CMC	RNS15CMC		
		Outdoor Unit		AR09CSFCMWKXCV	AR12CSFCMWKXCV	AR15CSFCMWKXCV		
		Outdoor Unit		RXS09CMC	RXS12CMC	RXS15CMC		
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.517	0.879 / 3.517 / 4.250	1.612 / 4.396 / 5.861	
				Btu/h	3,000 / 9,000 / 12,000	3,000 / 12,000 / 14,500	5,500 / 15,000 / 20,000	
				US RT	0.25 / 0.75 / 1.00	0.25 / 1.00 / 1.21	0.46 / 1.25 / 1.67	
			Heating	kW	0.659 / 3.224 / 5.568	0.762 / 3.517 / 5.861	1.172 / 4.396 / 7.327	
				Btu/h	2,250 / 11,000 / 19,000	2,600 / 12,000 / 20,000	4,000 / 15,000 / 25,000	
				US RT	0.19 / 0.92 / 1.58	0.22 / 1.00 / 1.67	0.33 / 1.25 / 2.08	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.180 / 0.692 / 1.150	0.180 / 0.998 / 1.330	0.300 / 1.250 / 1.750	
			Heating	kW	0.150 / 0.865 / 2.050	0.160 / 0.960 / 2.050	0.270 / 1.110 / 2.150	
			Current Input (Min/Std/Max)	Cooling	A	1.2 / 3.1 / 5.4	1.2 / 4.8 / 6.2	2.0 / 5.6 / 7.7
		Current	Heating	A	1.0 / 4.2 / 9.0	1.1 / 4.6 / 9.0	2.2 / 5.2 / 9.5	
			MCA	A	12	12.5	16	
			MOP	A	20	20	25	
	Efficiency	EER2	Cooling	(Btu/h)/W	13.00	12.00	12.00	
		COP	Heating	W/W	3.72	3.66	3.96	
		SEER2		(Btu/h)/W	20.0	20.0	19.3	
		HSPF2		(Btu/h)/W	8.3	8.3	8.3	
	Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
		Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm (inch)		9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	
		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 (ft)		20 (66)	20 (66)	30 (98)
	Max. Height (Between ID/OD)		m (ft)		15 (49)	15 (49)	20 (66)	
Wiring connections	Communication	Min. Remark	mm'	0.75 F1,F2	0.75 F1,F2	0.75 F1,F2		
	Power Supply		-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit		
Refrigerant	Type		-	R410A	R410A	R410A		
	Factory Charging		Kg (lbs)	1.00 (2.20)	1.00 (2.20)	1.30 (2.87)		
Indoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T	F&T	
		Material	Fin		-	Al	Al	Al
			Tube		-	Cu	Cu	Cu
	Fin Treatment			-	Green Hydrophile	Green Hydrophile	Green Hydrophile	
	Fan	Type		-	Cross Flow	Cross Flow	Cross Flow	
		Quantity			EA	1	1	1
		Air Flow Rate	Cooling (T/H/M/L)	CMM		10.3 / 9.8 / 9.3 / 8.4	10.7 / 10.3 / 9.3 / 8.4	16.6 / 15.3 / 14.0 / 12.6
				CFM		363.74 / 346.08 / 328.43 / 296.64	377.87 / 363.74 / 328.43 / 296.64	586.22 / 540.31 / 494.41 / 444.96
		Heating (T/H/M/L)	CMM		11.2 / 10.7 / 10.3 / 9.3	11.7 / 11.2 / 10.3 / 9.3	16.6 / 15.3 / 14.0 / 12.6	
			CFM		395.52 / 377.87 / 363.74 / 328.43	413.18 / 395.52 / 363.74 / 328.43	586.22 / 540.31 / 494.41 / 444.96	
	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	Sound Pressure Level	H / Silent	dB(A)	37/20	38/20	41/27	
	External Dimension	Net Weight		Kg (lbs)	8.9 (19.6)	8.9 (19.6)	11.5 (25.4)	
		Shipping Weight		Kg (lbs)	10.4 (22.9)	10.4 (22.9)	13.2 (29.1)	
Net Dimensions (WxHxD)		mm		820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215		
		inch		32-5/16 x 11-3/4 x 8-7/16	32-5/16 x 11-3/4 x 8-7/16	41-9/16 x 11-3/4 x 8-7/16		
Shipping Dimensions (WxHxD)		mm		880 x 290 x 375	880 x 290 x 375	1,115 x 290 x 375		
		inch		34-5/8 x 11-7/16 x 14-3/4	34-5/8 x 11-7/16 x 14-3/4	43-7/8 x 11-7/16 x 14-3/4		

1. Specification

WindFree™* 3.0e

Model Name		Indoor Unit		AR09CSFCMWKNCV	AR12CSFCMWKNCV	AR15CSFCMWKNCV	
US Code		Indoor Unit		RNS09CMC	RNS12CMC	RNS15CMC	
		Outdoor Unit		AR09CSFCMWKXCV	AR12CSFCMWKXCV	AR15CSFCMWKXCV	
		Outdoor Unit		RXS09CMC	RXS12CMC	RXS15CMC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	HIPS	
		Infrared remote control	-	Included	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-	-
		Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement		mm / Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
Tri-Care Filter		-	-	-	-		
Motion Detect Sensor		-	-	-	-		
Wi-Fi		-	•	•	•		
Outdoor Unit	Power Supply			∅, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T	
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion	
	Compressor	Model Name			KTN130D42UFR	KTN130D42UFR	UG9TK3150FE4
		Type		-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.09	4.09	4.57
		Oil	Type	-	POE	POE	POE
	Initial charge		cc	350	350	500	
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	1	1
		Air Flow Rate	CMM		45	45	50
	CFM		1,589	1,589	1,766		
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		W x n	40 x 1	40 x 1	40 x 1
	Sound	Sound Pressure Level	Cooling	dB(A)	45	46	51
			Heating	dB(A)	45	46	51
	External Dimension	Net Weight		Kg (lbs)	32.4 (71.4)	32.4 (71.4)	39.5 (87.1)
Shipping Weight		Kg (lbs)	34.4 (75.8)	34.4 (75.8)	42.5 (93.7)		
Net Dimensions (WxHxD)		mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	
		inch		31-1/8 x 21-9/16 x 11-1/4	31-1/8 x 21-9/16 x 11-1/4	34-5/8 x 25-1/8 x 12-3/16	
Shipping Dimensions (WxHxD)		mm		913 x 622 x 371	913 x 622 x 371	1,023 x 724 x 413	
		inch		35-15/16 x 24-1/2 x 14-5/8	35-15/16 x 24-1/2 x 14-5/8	40-1/4 x 28-1/2 x 16-1/4	
Casing	Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	EGI Steel Plate / PP	
		Operating Temp. Range	°F	14.0~114.8	14.0~114.8	14.0~114.8	
Temp. Range	Heating	°F	-5.1~75.2	-5.1~75.2	-5.1~75.2		

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.
Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0e

Model Name		Indoor Unit		AR18CSFCMWKNCV		AR24CSFCMWKNCV			
		Outdoor Unit		AR18CSFCMWKXCV		AR24CSFCMWKXCV			
US Code		Indoor Unit		RNS18CMC		RNS24CMC			
		Outdoor Unit		RXS18CMC		RXS24CMC			
System	Mode			-	Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.612 / 5.275 / 6.448		2.579 / 6.448 / 8.499		
				Btu/h	5,500 / 18,000 / 22,000		8,800 / 22,000 / 29,000		
				US RT	0.46 / 1.50 / 1.83		0.73 / 1.83 / 2.42		
			Heating	kW	1.172 / 6.154 / 7.620		2.198 / 7.034 / 11.723		
				Btu/h	4,000 / 21,000 / 26,000		7,500 / 24,000 / 40,000		
				US RT	0.33 / 1.75 / 2.17		0.62 / 2.00 / 3.33		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.300 / 1.635 / 1.980		0.520 / 2.100 / 3.000		
			Heating	kW	0.27 / 1.85 / 2.30		0.48 / 2.29 / 4.00		
		Current Input (Min/Std/Max)	Cooling	A	2.0 / 7.4 / 9.2		2.7 / 9.8 / 13.5		
			Heating	A	2.2 / 8.2 / 10.1		2.6 / 10.5 / 17.9		
		Current	MCA	A	16		21		
			MOP	A	25		30		
	Efficiency	EER2	Cooling	(Btu/h)/W	11.00		10.50		
		COP	Heating	W/W	3.33		3.08		
		SEER2			(Btu/h)/W		18.7		
		HSPF2			(Btu/h)/W		8.0		
	Piping Connections	Liquid Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	6.35 (1/4)		6.35 (1/4)		
		Gas Pipe		Type	Flare connection		Flare connection		
				Φ, mm (inch)	12.70 (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 (ft)	30 (98)		30 (98)	
	Max. Height (Between ID/OD)		m (ft)	20 (66)		20 (66)			
	Wiring connections	Communication	Min.	mm ²	0.75		0.75		
			Remark	-	F1,F2		F1,F2		
	Power Supply			-	Outdoor unit powers indoor unit		Outdoor unit powers indoor unit		
	Refrigerant	Type		-	R410A		R410A		
Factory Charging		Kg (lbs)	1.30 (2.87)		1.80 (3.97)				
Indoor Unit	Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60		1, 2, 208-230, 60		
	Heat Exchanger	Type		-	F&T		F&T		
		Material	Fin	-	Al		Al		
			Tube	-	Cu		Cu		
		Fin Treatment			-	Green Hydrophile		Green Hydrophile	
	Fan	Type		-	Cross Flow		Cross Flow		
		Quantity			EA	1		1	
		Air Flow Rate	Cooling (T/H/M/L)	CMM	16.6 / 15.3 / 14.0 / 12.6		18.6 / 16.6 / 14.6 / 12.6		
				CFM	586.22 / 540.31 / 494.41 / 444.96		656.85 / 586.22 / 515.59 / 444.96		
			Heating (T/H/M/L)	CMM	16.6 / 15.3 / 14.0 / 12.6		18.6 / 16.6 / 14.6 / 12.6		
				CFM	586.22 / 540.31 / 494.41 / 444.96		656.85 / 586.22 / 515.59 / 444.96		
	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	Sound Pressure Level	H / Silent		dB(A)	41/27		45/30	
			Net Weight			Kg (lbs)	11.5 (25.4)		11.5 (25.4)
	External Dimension	Shipping Weight			Kg (lbs)	13.2 (29.1)		13.2 (29.1)	
Net Dimensions (WxHxD)			mm	1,055 x 299 x 215		1,055 x 299 x 215			
			inch	41-9/16 x 11-3/4 x 8-7/16		41-9/16 x 11-3/4 x 8-7/16			
Shipping Dimensions (WxHxD)			mm	1,115 x 290 x 375		1,115 x 290 x 375			
			inch	43-7/8 x 11-7/16 x 14-3/4		43-7/8 x 11-7/16 x 14-3/4			

1. Specification

WindFree™* 3.0e

Model Name		Indoor Unit		AR18CSFCMWKNCV	AR24CSFCMWKNCV	
US Code		Indoor Unit		AR18CSFCMWKXCV	AR24CSFCMWKXCV	
		Outdoor Unit		RNS18CMC	RNS24CMC	
		Outdoor Unit		RXS18CMC	RXS24CMC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	
		Infrared remote control	-	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm / Liter/h	-	-
		Drain Pump	External Model	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	mm / Liter/h	-	-
		Easy Filter Plus	-	Removable / Washable	Removable / Washable	
		PM1.0 Filter & PM1.0 sensor	-	-	-	
Tri-Care Filter		-	-	-		
Motion Detect Sensor	-	-	-			
Wi-Fi	-	-	•	•		
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name		-	UG9TK3150FE4	UG8TH8265FEW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.57	7.83
		Oil	Type	-	POE	POE
			Initial charge	cc	500	700
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate	CMM		50	57
			CFM		1,766	2,013
	Fan Motor	Type		-	BLDC	BLDC
		Output		W x n	40 x 1	125 x 1
	Sound	Sound Pressure Level	Cooling		51	56
			dB(A)			
	External Dimension	Net Weight		Kg (lbs)	39.5 (87.1)	55.6 (122.6)
Shipping Weight		Kg (lbs)	42.5 (93.7)	59.2 (130.6)		
Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310		
		inch	34-5/8 x 25-1/8 x 12-3/16	34-5/8 x 31-7/16 x 12-3/16		
Shipping Dimensions (WxHxD)		mm	1,023 x 724 x 413	1,023 x 896 x 413		
		inch	40-1/4 x 28-1/2 x 16-1/4	40-1/4 x 35-1/4 x 16-1/4		
Casing	Material	Body		-	EGI Steel Plate / PP	EGI Steel Plate / PP
		Operating Temp. Range		°F	14.0~114.8	14.0~114.8
		Heating		°F	-5.1~75.2	-5.1~75.2



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 (80°F DB/67°F WB) Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
- 2. Nominal heating capacities are based on; Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB) Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
- 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 R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0i

Model Name		Indoor Unit		AR09CSKCPWKNCV	AR12CSKCPWKNCV	AR15CSKCPWKNCV		
US Code		Indoor Unit		RNS09CPC	RNS12CPC	RNS15CPC		
		Outdoor Unit		RXS09CMC	RXS12CMC	RXS15CMC		
System	Mode			-	Heat Pump	Heat Pump	Heat Pump	
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.517	0.879 / 3.517 / 4.250	1.612 / 4.396 / 5.861	
				Btu/h	3,000 / 9,000 / 12,000	3,000 / 12,000 / 14,500	5,500 / 15,000 / 20,000	
				US RT	0.25 / 0.75 / 1.00	0.25 / 1.00 / 1.21	0.46 / 1.25 / 1.67	
			Heating	kW	0.659 / 3.224 / 5.568	0.762 / 3.517 / 5.861	1.172 / 4.396 / 7.327	
				Btu/h	2,250 / 11,000 / 19,000	2,600 / 12,000 / 20,000	4,000 / 15,000 / 25,000	
				US RT	0.19 / 0.92 / 1.58	0.22 / 1.00 / 1.67	0.33 / 1.25 / 2.08	
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.180 / 0.692 / 1.150	0.180 / 0.998 / 1.330	0.300 / 1.250 / 1.750	
			Heating	kW	0.150 / 0.865 / 2.050	0.160 / 0.960 / 2.050	0.270 / 1.110 / 2.150	
		Current Input (Min/Std/Max)	Cooling	A	1.2 / 3.1 / 5.4	1.2 / 4.8 / 6.2	2.0 / 5.6 / 7.7	
			Heating	A	1.0 / 4.2 / 9.0	1.1 / 4.6 / 9.0	2.2 / 5.2 / 9.5	
	Current	MCA	A	12	12.5	16		
		MOP	A	20	20	25		
	Efficiency	EER2	Cooling	(Btu/h)/W	13.00	12.00	12.00	
		COP	Heating	W/W	3.72	3.66	3.96	
		SEER2		(Btu/h)/W	20.0	20.0	19.3	
		HSPF2		(Btu/h)/W	8.3	8.3	8.3	
	Piping Connections	Liquid Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm(inch)		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	
		Gas Pipe	Type		Flare connection	Flare connection	Flare connection	
			Φ, mm(inch)		9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	
		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 (ft)		20 (66)	20 (66)	30 (98)
	Max. Height (Between ID/OD)		m (ft)		15 (49)	15 (49)	20 (66)	
	Wiring connections	Communication	Min.	mm ²	0.75	0.75	0.75	
			Remark		-	F1,F2	F1,F2	F1,F2
	Power Supply				-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit
	Refrigerant	Type			-	R410A	R410A	R410A
Factory Charging			Kg (lbs)	1.00 (2.20)	1.00 (2.20)	1.30 (2.87)		
Power Supply			Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60		
Heat Exchanger	Type			-	F&T	F&T	F&T	
	Material	Fin		-	Al	Al	Al	
		Tube		-	Cu	Cu	Cu	
	Fin Treatment				-	Green Hydrophile	Green Hydrophile	Green Hydrophile
Fan	Type			-	Cross Flow	Cross Flow	Cross Flow	
	Quantity			EA	1	1	1	
	Air Flow Rate	Cooling (T/H/M/L)	CMM		11.7 / 10.7 / 9.8 / 8.4	12.1 / 10.6 / 9.1 / 7.1	16.6 / 15.4 / 14.2 / 12.4	
			CFM		413.18 / 377.87 / 346.08 / 296.64	427.31 / 374.34 / 321.36 / 250.73	586.22 / 543.85 / 501.47 / 437.9	
		Heating (T/H/M/L)	CMM		12.6 / 11.7 / 10.7 / 9.3	13.1 / 11.6 / 10.1 / 8.1	16.6 / 15.4 / 14.2 / 12.4	
			CFM		444.96 / 413.18 / 377.87 / 328.43	462.62 / 409.65 / 356.68 / 286.05	586.22 / 543.85 / 501.47 / 437.9	
Fan Motor	Type			-	BLDC	BLDC	BLDC	
	Output		Wx 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	Sound Pressure Level	H / Silent	dB(A)	37/20	38/20	41/27		
External Dimension	Net Weight		Kg (lbs)	10.4 (22.9)	10.4 (22.9)	13.1 (28.9)		
	Shipping Weight		Kg (lbs)	11.8 (26.0)	11.8 (26.0)	14.9 (32.8)		
	Net Dimensions (WxHxD)		mm	820 x 345 x 215	820 x 345 x 215	1,055 x 345 x 215		
			inch	32-5/16 x 13-9/16 x 8-7/16	32-5/16 x 13-9/16 x 8-7/16	41-9/16 x 13-9/16 x 8-7/16		
	Shipping Dimensions (WxHxD)			mm	880 x 290 x 410	880 x 290 x 410	1,115 x 290 x 410	
			inch	34-5/8 x 11-7/16 x 16-1/8	34-5/8 x 11-7/16 x 16-1/8	43-7/8 x 11-7/16 x 16-1/8		

1. Specification

WindFree™* 3.0i

Model Name		Indoor Unit		AR09CSKCPWKNCV	AR12CSKCPWKNCV	AR15CSKCPWKNCV	
US Code		Indoor Unit		AR09CSFCMWKXCV	AR12CSFCMWKXCV	AR15CSFCMWKXCV	
		Outdoor Unit		RNS09CPC	RNS12CPC	RNS15CPC	
		Outdoor Unit		RXS09CMC	RXS12CMC	RXS15CMC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	HIPS	
		Infrared remote control	-	Included	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm/ Liter/h	-	-	-
		Drain Pump	External Model	-	-	-	-
			Internal Model	-	-	-	-
		Max. lifting Height / Displacement		mm/ Liter/h	-	-	-
	Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable	
	PM1.0 Filter & PM1.0 sensor		-	•	•	•	
Tri-Care Filter		-	-	-	-		
Motion Detect Sensor		-	-	-	-		
Wi-Fi		-	•	•	•		
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T	F&T
		Material	Fin	-	Al	Al	Al
			Tube	-	Cu	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name		-	KTN130D42UFR	KTN130D42UFR	UG9TK3150FE4
		Type		-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Output	kW		4.09	4.09	4.57
			Oil	Type	-	POE	POE
	Initial charge		cc	350	350	500	
	Fan	Type		-	Propeller	Propeller	Propeller
		Discharge direction		-	Front	Front	Front
		Quantity		EA	1	1	1
		Air Flow Rate		CMM	45	45	50
			CFM	1,589	1,589	1,766	
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	40 x1	40 x1	40 x1
	Sound	Sound Pressure Level	Cooling	dB(A)	45	46	51
			Heating	dB(A)	45	46	51
	External Dimension	Net Weight		Kg (lbs)	32.4 (71.4)	32.4 (71.4)	39.5 (87.1)
Shipping Weight		Kg (lbs)	34.4 (75.8)	34.4 (75.8)	42.5 (93.7)		
Net Dimensions (WxHxD)		mm		790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	
		inch		31-1/8 x 21-9/16 x 11-1/4	31-1/8 x 21-9/16 x 11-1/4	34-5/8 x 25-1/8 x 12-3/16	
Shipping Dimensions (WxHxD)		mm		913 x 622 x 371	913 x 622 x 371	1,023 x 724 x 413	
	inch		35-15/16 x 24-1/2 x 14-5/8	35-15/16 x 24-1/2 x 14-5/8	40-1/4 x 28-1/2 x 16-1/4		
Casing	Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	EGI Steel Plate / PP	
		Operating Temp. Range	Cooling	°F	14.0~114.8	14.0~114.8	14.0~114.8
		Heating	°F	-5.1~75.2	-5.1~75.2	-5.1~75.2	

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on:
Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on:
Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

1. Specification

WindFree™* 3.0i

Model Name		Indoor Unit		AR18CSKCPWKNCV		AR24CSKCPWKNCV			
US Code		Indoor Unit		RNS18CPC		RNS24CPC			
		Outdoor Unit		AR18CSFCMWKXCV		AR24CSFCMWKXCV			
		Outdoor Unit		RXS18CMC		RXS24CMC			
System	Mode		-		Heat Pump		Heat Pump		
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.612 / 5.275 / 6.448		2.579 / 6.448 / 8.499		
				Btu/h	5,500 / 18,000 / 22,000		8,800 / 22,000 / 29,000		
				US RT	0.46 / 1.50 / 1.83		0.73 / 1.83 / 2.42		
			Heating	kW	1.172 / 6.154 / 7.620		2.198 / 7.034 / 11.723		
				Btu/h	4,000 / 21,000 / 26,000		7,500 / 24,000 / 40,000		
				US RT	0.33 / 1.75 / 2.17		0.62 / 2.00 / 3.33		
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.300 / 1.635 / 1.980		0.520 / 2.100 / 3.000		
			Heating	kW	0.27 / 1.85 / 2.30		0.48 / 2.29 / 4.00		
		Current Input (Min/Std/Max)	Cooling	A	2.0 / 7.4 / 9.2		2.7 / 9.8 / 13.5		
			Heating	A	2.2 / 8.2 / 10.1		2.6 / 10.5 / 17.9		
		Current	MCA	A	16		21		
	Efficiency	EER2	Cooling	(Btu/h)/W	11.00		10.50		
		COP	Heating	W/W	3.33		3.08		
		SEER2			(Btu/h)/W		18.7		
		HSPF2			(Btu/h)/W		8.0		
	Piping Connections	Liquid Pipe	Type		Flare connection		Flare connection		
			Φ, mm(inch)		6.35 (1/4)		6.35 (1/4)		
		Gas Pipe	Type		Flare connection		Flare connection		
			Φ, mm(inch)		12.70 (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 (ft)	30 (98)		30 (98)	
	Max. Height (Between ID/OD)		m (ft)	20 (66)		20 (66)			
	Wiring connections	Communication	Min.	mm ²	0.75		0.75		
			Remark	-	F1,F2		F1,F2		
	Power Supply		-		Outdoor unit powers indoor unit		Outdoor unit powers indoor unit		
	Refrigerant	Type		-		R410A		R410A	
		Factory Charging		Kg (lbs)	1.30 (2.87)		1.80 (3.97)		
	Power Supply		Ø, #, V, Hz		1, 2, 208-230, 60		1, 2, 208-230, 60		
	Heat Exchanger	Type		-		F&T		F&T	
Material		Fin	-		Al		Al		
		Tube	-		Cu		Cu		
Fin Treatment		-		Green Hydrophile		Green Hydrophile			
Indoor Unit	Fan	Type		-		Cross Flow		Cross Flow	
		Quantity		EA		1		1	
		Air Flow Rate	Cooling (T/H/M/L)	CMM	16.6 / 15.4 / 14.2 / 12.4		18.3 / 16.6 / 14.8 / 12.4		
				CFM	586.22 / 543.85 / 501.47 / 437.9		646.26 / 586.22 / 522.66 / 437.9		
			Heating (T/H/M/L)	CMM	16.6 / 15.4 / 14.2 / 12.4		18.3 / 16.6 / 14.8 / 12.4		
				CFM	586.22 / 543.85 / 501.47 / 437.9		646.26 / 586.22 / 522.66 / 437.9		
	Fan Motor	Type		-		BLDC		BLDC	
		Output		Wx n	27 x 1		27 x 1		
Drain	Drain Pipe		Φ, mm	16.3, 550		16.3, 550			
Sound	Sound Pressure Level	H / Silent	dB(A)	41/27		45/30			
External Dimension	Net Weight		Kg (lbs)	13.1 (28.9)		13.1 (28.9)			
	Shipping Weight		Kg (lbs)	14.9 (32.8)		14.9 (32.8)			
	Net Dimensions (WxHxD)	mm		1,055 x 345 x 215		1,055 x 345 x 215			
		inch		41-9/16 x 13-9/16 x 8-7/16		41-9/16 x 13-9/16 x 8-7/16			
	Shipping Dimensions (WxHxD)		mm		1,115 x 290 x 410		1,115 x 290 x 410		
		inch		43-7/8 x 11-7/16 x 16-1/8		43-7/8 x 11-7/16 x 16-1/8			

1. Specification

WindFree™* 3.0i

Model Name		Indoor Unit		AR18CSKCPWKNCV	AR24CSKCPWKNCV	
US Code		Indoor Unit		AR18CSFCMWKXCV	AR24CSFCMWKXCV	
		Outdoor Unit		RNS18CPC	RNS24CPC	
		Outdoor Unit		RXS18CMC	RXS24CMC	
Indoor Unit	Casing	Material	-	HIPS	HIPS	
		Infrared remote control	-	Included	Included	
	Control System	Wired remote control	-	MWR-WG00UN MWR-SH11UN	MWR-WG00UN MWR-SH11UN	
		Drain Pump	Drain Pump	-	-	-
	Additional Accessories	Max. lifting Height / Displacement		mm/ Liter/h	-	-
		Drain Pump	External Model	-	-	-
			Internal Model	-	-	-
		Max. lifting Height / Displacement		mm/ Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	●	●
Tri-Care Filter		-	-	-		
Motion Detect Sensor		-	-	-		
Wi-Fi		-	●	●		
Outdoor Unit	Power Supply		Ø, #, V, Hz	1, 2, 208-230, 60	1, 2, 208-230, 60	
	Heat Exchanger	Type		-	F&T	F&T
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
	Compressor	Model Name		-	UG9TK3150FE4	UG8TH8265FEW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.57	7.83
		Oil	Type	-	POE	POE
	Initial charge		cc	500	700	
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		CMM	50	57
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	40 x1	125 x 1
		Sound	Sound Pressure Level	Cooling	dB(A)	51
	External Dimension		Net Weight		Kg (lbs)	39.5 (87.1)
		Shipping Weight		Kg (lbs)	42.5 (93.7)	59.2 (130.6)
		Net Dimensions (WxHxD)		mm	880 x 638 x 310	880 x 798 x 310
		inch	34-5/8 x 25-1/8 x 12-3/16	34-5/8 x 31-7/16 x 12-3/16		
Shipping Dimensions (WxHxD)		mm	1,023 x 724 x 413	1,023 x 896 x 413		
		inch	40-1/4 x 28-1/2 x 16-1/4	40-1/4 x 35-1/4 x 16-1/4		
Casing	Material	Body	-	EGI Steel Plate / PP	EGI Steel Plate / PP	
	Operating Temp. Range	Cooling	°F	14.0~114.8	14.0~114.8	
Heating		°F	-5.1~75.2	-5.1~75.2		

NOTE

- Specifications may be subject to change without prior notice.
- Nominal cooling capacities are based on;
Indoor temperature: 27°C DB, 19°C WB (80°F DB/67°F WB)
Outdoor temperature: 35°C DB, 24°C WB (95°F DB/75°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Nominal heating capacities are based on;
Indoor temperature: 20°C DB, 15°C WB (68°F DB/59°F WB)
Outdoor temperature: 7°C DB, 6°C WB (44.6°F DB/42.8°F WB), Equivalent refrigerant piping: 5m (16.4ft), Level differences: 0 m (0ft).
 - Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - These products contain R410A which is fluorinated greenhouse gas.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.
Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

Max Heat® 3.0

RNS09ABC+RXS09ACC(AR09CSDABWKNCV+AR09CSDACWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-0.4	8.2	5.7	0.5	8.8	7.0	0.5	9.1	7.4	0.6	9.7	7.8	0.6	10.2	8.2	0.7	10.5	8.4	0.7	11.3	9.0	0.7	12.1	9.7	0.7
32	8.5	6.6	0.3	8.7	7.0	0.4	9.2	7.4	0.5	9.9	8.0	0.6	10.5	8.4	0.6	10.9	8.7	0.6	11.8	9.4	0.6	12.7	10.2	0.6
50	9.3	7.2	0.3	9.6	7.7	0.4	10.1	8.1	0.5	10.9	8.7	0.6	11.4	9.1	0.6	11.8	9.5	0.6	12.7	10.2	0.6	13.7	11.0	0.6
68	10.1	7.9	0.3	10.4	8.3	0.5	10.9	8.8	0.6	11.6	9.4	0.7	12.2	9.8	0.7	12.6	10.1	0.7	13.5	10.8	0.7	14.5	11.6	0.7
85	10.2	8.0	0.4	10.5	8.4	0.6	11.0	8.8	0.8	11.7	9.4	0.9	12.3	9.8	0.9	12.7	10.1	0.9	13.6	10.8	0.9	14.6	11.7	0.9
95	9.9	7.7	0.5	10.1	8.1	0.7	10.6	8.5	0.9	11.3	9.1	1.0	9.0	7.2	0.6	12.2	9.8	1.0	13.1	10.4	1.1	14.1	11.3	1.0
104	9.2	7.1	0.6	9.4	7.5	0.8	9.8	7.9	1.0	10.5	8.4	1.1	11.0	8.8	1.2	11.4	9.1	1.2	12.2	9.7	1.2	13.2	10.5	1.2
110	8.5	6.6	0.7	8.7	6.9	0.9	9.0	7.3	1.1	9.7	7.8	1.2	10.2	8.2	1.3	10.6	8.4	1.3	11.4	9.1	1.3	12.3	9.9	1.3
115	7.7	6.0	0.7	7.9	6.3	1.0	8.2	6.7	1.1	8.9	7.2	1.3	9.4	7.5	1.3	9.7	7.8	1.4	10.5	8.4	1.4	11.4	9.2	1.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-22	5.1	1.2	4.8	1.1	4.8	1.1	4.8	1.1	4.9	1.2	5.0	1.4
-5	11.7	1.9	11.5	1.8	11.3	1.9	11.2	1.9	11.1	2.0	10.9	2.2
-4	12.0	1.9	11.8	1.9	11.6	1.9	11.5	2.0	11.3	2.1	11.1	2.3
0	13.0	2.0	12.8	1.9	12.5	2.0	12.4	2.0	12.3	2.1	12.0	2.3
5	13.9	2.0	13.8	2.0	13.5	2.0	13.4	2.1	13.2	2.2	12.8	2.4
14	15.1	2.0	15.0	2.0	14.8	2.0	14.6	2.1	14.3	2.2	13.8	2.4
23	15.6	1.8	15.6	1.8	15.4	1.9	15.1	2.0	14.8	2.1	14.2	2.2
32	15.5	1.6	15.7	1.7	15.5	1.7	15.3	1.8	14.9	1.9	14.2	2.0
41	15.1	1.4	15.5	1.4	15.3	1.5	15.1	1.6	14.7	1.6	13.9	1.8
47	14.8	1.3	15.2	1.3	15.1	1.4	11.0	0.7	14.5	1.5	13.6	1.6
55	14.2	1.1	14.8	1.1	14.8	1.2	14.5	1.2	14.2	1.3	13.3	1.4
65	13.5	0.9	14.3	0.9	14.4	1.0	14.2	1.0	13.8	1.1	12.9	1.2
75.2	13.0	0.8	14.1	0.8	14.4	0.9	14.2	0.9	13.8	1.0	12.9	1.1

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

Max Heat® 3.0

RNS12ABC+RXS12ACC(AR12CSDABWKNCV+AR12CSDACWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-0.4	10.3	8.0	0.5	10.8	8.7	0.7	11.4	9.2	0.8	12.2	9.8	0.9	12.7	10.2	0.9	13.1	10.5	0.9	14.1	11.2	1.0	15.2	12.2	1.0
32	11.2	8.7	0.4	11.8	9.5	0.5	12.5	10.1	0.7	13.4	10.8	0.8	14.0	11.3	0.8	14.5	11.6	0.8	15.6	12.4	0.8	16.9	13.5	0.8
50	11.8	9.1	0.4	12.5	10.0	0.6	13.1	10.6	0.7	14.1	11.3	0.8	14.8	11.8	0.8	15.2	12.2	0.8	16.4	13.0	0.8	17.7	14.2	0.8
68	12.2	9.4	0.5	12.8	10.3	0.6	13.5	10.9	0.8	14.5	11.7	0.9	15.2	12.1	0.9	15.6	12.5	0.9	16.8	13.4	0.9	18.1	14.5	0.9
85	12.2	9.4	0.6	12.8	10.2	0.8	13.5	10.9	0.9	14.4	11.6	1.0	15.0	12.1	1.1	15.5	12.4	1.1	16.7	13.3	1.1	18.0	14.4	1.1
95	11.9	9.2	0.7	12.5	10.0	0.9	13.1	10.6	1.0	14.0	11.3	1.2	12.0	9.6	0.9	15.2	12.1	1.3	16.3	12.9	1.3	17.6	14.1	1.2
104	11.5	8.8	0.8	12.0	9.6	1.0	12.6	10.2	1.2	13.5	10.9	1.3	14.1	11.3	1.4	14.6	11.7	1.4	15.7	12.5	1.4	17.0	13.6	1.4
110	11.0	8.5	0.8	11.6	9.3	1.1	12.2	9.9	1.2	13.0	10.5	1.4	13.6	10.9	1.5	14.1	11.3	1.5	15.2	12.1	1.5	16.4	13.2	1.5
115	10.6	8.2	0.9	11.1	8.9	1.1	11.7	9.5	1.3	12.5	10.1	1.5	13.1	10.5	1.6	13.6	10.8	1.6	14.6	11.6	1.7	15.9	12.7	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-22	5.2	1.2	4.9	1.1	4.8	1.1	4.8	1.2	4.9	1.3	5.1	1.5
-5	12.5	2.0	12.2	1.9	12.0	2.0	11.9	2.0	11.8	2.1	11.6	2.3
-4	12.8	2.0	12.5	1.9	12.3	2.0	12.2	2.1	12.0	2.2	11.8	2.4
0	13.9	2.1	13.7	2.0	13.4	2.1	13.3	2.2	13.1	2.3	12.8	2.5
5	15.0	2.1	14.8	2.1	14.6	2.2	14.4	2.2	14.2	2.3	13.8	2.5
14	16.3	2.1	16.3	2.1	16.0	2.2	15.8	2.3	15.5	2.3	15.0	2.5
23	17.0	2.0	17.1	2.0	16.9	2.1	16.6	2.2	16.2	2.3	15.6	2.4
32	17.2	1.8	17.4	1.8	17.2	1.9	16.9	2.0	16.5	2.1	15.7	2.3
41	17.0	1.6	17.4	1.6	17.2	1.7	17.0	1.8	16.5	1.9	15.6	2.0
47	16.7	1.5	17.3	1.5	17.2	1.6	17.0	1.7	16.4	1.7	15.5	1.9
55	16.3	1.3	17.0	1.3	17.0	1.4	16.8	1.5	16.3	1.5	15.3	1.7
65	15.8	1.1	16.8	1.2	16.9	1.2	16.7	1.3	16.3	1.4	15.2	1.5
75.2	15.5	1.1	16.8	1.1	17.2	1.2	17.0	1.3	16.6	1.3	15.4	1.5

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

Max Heat® 3.0

RNS15ABC+RXS15ACC(AR15CSDABWKNCV+AR15CSDACWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-0.4	12.6	9.2	0.8	13.3	10.2	1.1	14.1	11.0	1.3	15.0	12.0	1.5	15.7	12.5	1.5	16.2	12.9	1.5	17.3	13.4	1.6	18.8	13.9	1.6
32	12.6	9.2	0.6	13.4	10.2	0.9	14.2	11.2	1.1	15.3	12.3	1.3	16.0	12.8	1.4	16.6	13.2	1.4	17.8	13.8	1.4	19.4	14.4	1.4
50	13.7	10.0	0.7	14.5	11.1	1.1	15.3	12.0	1.3	16.4	13.2	1.5	17.2	13.8	1.6	17.8	14.1	1.6	19.1	14.8	1.6	20.7	15.4	1.6
68	14.8	10.9	1.0	15.7	12.0	1.4	16.5	13.0	1.7	17.7	14.1	1.9	18.5	14.8	2.0	19.1	15.2	2.0	20.4	15.8	2.0	22.1	16.4	2.0
85	15.6	11.4	1.3	16.5	12.5	1.7	17.3	13.6	2.1	18.5	14.8	2.4	19.3	15.4	2.5	19.9	15.8	2.5	21.3	16.5	2.5	23.0	17.1	2.5
95	15.7	11.5	1.4	16.6	12.6	2.0	17.4	13.7	2.3	18.6	14.9	2.6	19.0	15.0	2.6	20.0	15.9	2.8	21.5	16.7	2.8	23.2	17.2	2.8
104	15.5	11.3	1.6	16.4	12.5	2.1	17.3	13.6	2.6	18.4	14.8	2.9	19.3	15.4	3.0	19.9	15.8	3.1	21.3	16.5	3.1	23.1	17.1	3.1
110	15.2	11.1	1.7	16.1	12.2	2.3	16.9	13.3	2.7	18.1	14.5	3.1	19.0	15.2	3.2	19.6	15.6	3.3	21.0	16.3	3.3	22.8	16.9	3.3
115	14.8	10.8	1.8	15.7	11.9	2.4	16.6	13.0	2.8	17.8	14.3	3.2	18.6	14.9	3.3	19.2	15.3	3.4	20.7	16.0	3.5	22.4	16.6	3.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-22	7.6	1.7	7.1	1.5	6.9	1.6	6.9	1.7	7.1	1.8	7.4	2.1
-5	16.0	2.5	15.7	2.4	15.4	2.5	15.2	2.5	15.0	2.7	14.8	2.9
-4	16.4	2.5	16.1	2.4	15.8	2.5	15.6	2.6	15.4	2.7	15.1	2.9
0	17.7	2.5	17.4	2.5	17.1	2.6	16.9	2.6	16.6	2.8	16.2	3.0
5	19.0	2.6	18.8	2.5	18.5	2.6	18.2	2.7	17.9	2.8	17.3	3.0
14	20.6	2.5	20.7	2.5	20.3	2.5	20.0	2.6	19.6	2.7	18.8	3.0
23	21.5	2.3	21.8	2.3	21.5	2.4	21.1	2.5	20.6	2.6	19.6	2.8
32	21.8	2.0	22.4	2.1	22.2	2.2	21.8	2.2	21.2	2.4	20.0	2.6
41	21.8	1.8	22.6	1.8	22.5	1.9	22.2	2.0	21.5	2.1	20.2	2.3
47	21.7	1.6	22.7	1.7	22.7	1.8	22.7	1.8	21.7	2.0	20.3	2.2
55	21.5	1.5	22.8	1.5	23.0	1.7	22.7	1.7	22.0	1.8	20.5	2.0
65	21.4	1.4	23.2	1.5	23.6	1.6	23.3	1.7	22.7	1.8	21.0	2.0
75.2	21.8	1.6	24.1	1.7	24.8	1.8	24.5	1.9	23.9	2.0	22.2	2.2

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

Max Heat® 3.0

RNS18ABC+RXS18ACC(AR18CSDABWKNCV+AR18CSDACWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-0.4	13.5	11.9	0.7	15.0	12.5	1.0	16.0	13.0	1.2	17.0	13.7	1.3	17.6	14.1	1.3	18.1	14.4	1.4	19.3	15.0	1.4	21.1	15.7	1.4
32	15.4	13.5	0.4	17.0	14.2	0.7	18.2	14.9	0.9	19.5	15.7	1.0	20.2	16.2	1.0	20.8	16.6	1.1	22.3	17.3	1.0	24.4	18.1	1.0
50	16.8	14.7	0.5	18.4	15.4	0.8	19.7	16.1	1.0	21.0	17.0	1.1	21.9	17.5	1.2	22.5	17.9	1.2	24.1	18.7	1.2	26.3	19.5	1.1
68	17.9	15.6	0.7	19.6	16.3	1.0	20.9	17.0	1.2	22.3	18.0	1.4	23.1	18.5	1.5	23.8	18.9	1.5	25.4	19.7	1.5	27.7	20.6	1.4
85	18.3	15.9	0.9	20.0	16.6	1.3	21.3	17.4	1.6	22.7	18.3	1.8	23.5	18.8	1.9	24.2	19.2	1.9	25.8	20.0	1.9	28.1	20.9	1.8
95	18.1	15.7	1.1	19.8	16.5	1.5	21.0	17.2	1.8	22.4	18.1	2.1	18.0	14.4	1.4	23.9	19.0	2.2	25.6	19.8	2.2	27.8	20.7	2.2
104	17.6	15.3	1.3	19.2	16.0	1.7	20.5	16.7	2.1	21.8	17.6	2.3	22.6	18.2	2.4	23.3	18.5	2.5	24.9	19.3	2.5	27.2	20.2	2.5
110	17.1	14.8	1.4	18.7	15.5	1.9	19.9	16.2	2.2	21.2	17.1	2.5	22.0	17.7	2.7	22.6	18.0	2.7	24.3	18.8	2.8	26.5	19.6	2.7
115	16.5	14.3	1.5	18.0	15.0	2.0	19.2	15.7	2.4	20.5	16.6	2.7	21.3	17.1	2.8	21.9	17.5	2.9	23.5	18.2	2.9	25.8	19.1	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-22	10.1	1.7	8.8	1.5	8.4	1.6	8.5	1.7	8.9	1.8	9.9	2.1
-5	21.7	3.7	20.7	3.6	20.1	3.7	20.0	3.8	20.1	4.0	20.2	4.3
-4	22.1	3.8	21.1	3.7	20.6	3.8	20.5	3.9	20.5	4.0	20.6	4.4
0	23.5	3.9	22.6	3.9	22.1	4.0	22.0	4.1	21.9	4.2	21.9	4.6
5	24.8	4.0	24.1	4.0	23.5	4.1	23.3	4.2	23.2	4.4	22.9	4.7
14	26.0	3.9	25.5	3.9	25.0	4.0	24.7	4.1	24.4	4.3	23.9	4.6
23	26.0	3.6	25.9	3.6	25.4	3.7	25.1	3.8	24.7	4.0	23.8	4.3
32	25.4	3.1	25.6	3.1	25.3	3.2	24.9	3.3	24.3	3.5	23.2	3.8
41	24.5	2.5	25.1	2.5	24.9	2.7	24.5	2.8	23.9	3.0	22.5	3.3
47	24.0	2.2	24.9	2.2	24.8	2.4	20.0	1.6	23.7	2.7	22.2	3.0
55	23.6	1.9	25.0	1.9	25.1	2.1	24.7	2.2	24.0	2.3	22.2	2.6
65	24.3	1.7	26.2	1.8	26.6	2.0	26.2	2.1	25.5	2.2	23.5	2.5
75.2	26.7	2.1	29.3	2.2	30.0	2.3	29.7	2.4	28.9	2.6	26.8	2.8

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

Max Heat® 3.0

RNS24ABC+RXS24ACC(AR24CSDABWKNCV+AR24CSDACWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-0.4	24.3	19.1	0.9	24.8	19.8	1.1	25.4	20.4	1.3	26.5	21.3	1.5	27.4	21.9	1.5	28.2	22.5	1.6	30.2	24.1	1.6	32.9	26.3	1.6
32	23.1	18.1	0.6	23.7	18.9	0.8	24.4	19.6	1.1	25.6	20.6	1.2	26.7	21.4	1.3	27.5	22.0	1.3	29.6	23.6	1.4	32.4	25.9	1.3
50	24.4	19.2	0.8	25.0	20.0	1.1	25.8	20.7	1.3	27.1	21.7	1.5	28.1	22.5	1.6	28.9	23.1	1.6	31.0	24.8	1.7	33.8	27.0	1.6
68	25.6	20.1	1.1	26.2	21.0	1.5	27.0	21.7	1.7	28.2	22.7	2.0	29.3	23.4	2.1	30.1	24.0	2.1	32.2	25.7	2.1	34.9	27.9	2.1
85	25.6	20.1	1.4	26.2	20.9	1.8	26.9	21.6	2.2	28.1	22.5	2.4	29.0	23.2	2.6	29.8	23.8	2.6	31.8	25.4	2.6	34.5	27.6	2.6
95	24.6	19.3	1.5	25.1	20.1	2.0	25.8	20.7	2.4	26.9	21.6	2.7	21.0	16.8	1.7	28.6	22.9	2.9	30.6	24.4	2.9	33.2	26.5	2.8
104	22.9	17.9	1.6	23.4	18.7	2.1	24.0	19.3	2.5	25.1	20.1	2.9	26.0	20.8	3.0	26.7	21.3	3.1	28.6	22.8	3.1	31.1	24.9	3.0
110	21.2	16.6	1.7	21.7	17.3	2.2	22.2	17.9	2.6	23.3	18.7	3.0	24.1	19.3	3.1	24.9	19.9	3.2	26.7	21.3	3.2	29.2	23.3	3.2
115	19.4	15.2	1.7	19.9	15.9	2.2	20.4	16.5	2.6	21.4	17.2	3.0	22.3	17.8	3.2	23.0	18.3	3.2	24.7	19.7	3.3	27.2	21.8	3.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-22	10.2	2.2	9.6	2.0	9.3	2.1	9.4	2.2	9.5	2.4	9.8	2.8
-5	25.9	4.5	25.5	4.4	25.0	4.5	24.8	4.6	24.6	4.8	24.3	5.3
-4	26.5	4.6	26.1	4.5	25.6	4.6	25.4	4.7	25.2	4.9	24.8	5.3
0	28.5	4.8	28.1	4.7	27.6	4.8	27.3	4.9	27.0	5.1	26.5	5.5
5	30.2	4.9	29.9	4.8	29.4	4.9	29.1	5.0	28.7	5.2	28.0	5.7
14	31.7	4.7	31.6	4.6	31.1	4.8	30.7	4.9	30.2	5.1	29.2	5.5
23	31.6	4.2	31.7	4.2	31.2	4.4	30.8	4.5	30.2	4.7	29.0	5.1
32	30.4	3.6	30.8	3.6	30.4	3.8	29.9	3.9	29.3	4.1	27.9	4.5
41	28.7	2.9	29.5	2.9	29.2	3.1	28.7	3.3	28.0	3.5	26.4	3.8
47	27.7	2.5	28.6	2.6	28.5	2.7	25.0	2.0	27.3	3.1	25.6	3.4
55	26.6	2.1	27.9	2.2	28.0	2.4	27.5	2.5	26.8	2.7	25.0	3.0
65	26.5	2.0	28.3	2.0	28.6	2.2	28.2	2.4	27.4	2.5	25.6	2.9
75.2	28.5	2.4	30.9	2.5	31.5	2.7	31.2	2.8	30.4	3.0	28.5	3.3

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0

RNS09ABC+RXS09ABC(AR09CSDABWKNCV+AR09CSDABWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	8.1	6.3	0.4	8.4	6.7	0.5	8.8	7.1	0.6	9.4	7.6	0.7	9.9	8.0	0.6	10.3	8.2	0.7	11.1	8.9	0.7	12.1	9.7	0.7
32	8.5	6.6	0.3	8.7	7.0	0.4	9.2	7.4	0.5	9.9	8.0	0.6	10.5	8.4	0.6	10.9	8.7	0.6	11.8	9.4	0.6	12.7	10.2	0.6
50	9.3	7.2	0.3	9.6	7.7	0.4	10.1	8.1	0.5	10.9	8.7	0.6	11.4	9.1	0.6	11.8	9.5	0.6	12.7	10.2	0.6	13.7	11.0	0.6
68	10.1	7.9	0.3	10.4	8.3	0.5	10.9	8.8	0.6	11.6	9.4	0.7	12.2	9.8	0.7	12.6	10.1	0.7	13.5	10.8	0.7	14.5	11.6	0.7
85	10.2	8.0	0.4	10.5	8.4	0.6	11.0	8.8	0.8	11.7	9.4	0.9	12.3	9.8	0.9	12.7	10.1	0.9	13.6	10.8	0.9	14.6	11.7	0.9
95	9.9	7.7	0.5	10.1	8.1	0.7	10.6	8.5	0.9	11.3	9.1	1.0	9.0	7.2	0.6	12.2	9.8	1.0	13.1	10.4	1.1	14.1	11.3	1.0
104	9.2	7.1	0.6	9.4	7.5	0.8	9.8	7.9	1.0	10.5	8.4	1.1	11.0	8.8	1.2	11.4	9.1	1.2	12.2	9.7	1.2	13.2	10.5	1.2
110	8.5	6.6	0.7	8.7	6.9	0.9	9.0	7.3	1.1	9.7	7.8	1.2	10.2	8.2	1.3	10.6	8.4	1.3	11.4	9.1	1.3	12.3	9.9	1.3
115	7.7	6.0	0.7	7.9	6.3	1.0	8.2	6.7	1.1	8.9	7.2	1.3	9.4	7.5	1.3	9.7	7.8	1.4	10.5	8.4	1.4	11.4	9.2	1.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	11.7	1.9	11.5	1.8	11.3	1.9	11.2	1.9	11.1	2.0	10.9	2.2
-4	12.0	1.9	11.8	1.9	11.6	1.9	11.5	2.0	11.3	2.1	11.1	2.3
0	13.0	2.0	12.8	1.9	12.5	2.0	12.4	2.0	12.3	2.1	12.0	2.3
5	13.9	2.0	13.8	2.0	13.5	2.0	13.4	2.1	13.2	2.2	12.8	2.4
14	15.1	2.0	15.0	2.0	14.8	2.0	14.6	2.1	14.3	2.2	13.8	2.4
23	15.6	1.8	15.6	1.8	15.4	1.9	15.1	2.0	14.8	2.1	14.2	2.2
32	15.5	1.6	15.7	1.7	15.5	1.7	15.3	1.8	14.9	1.9	14.2	2.0
41	15.1	1.4	15.5	1.4	15.3	1.5	15.1	1.6	14.7	1.6	13.9	1.8
47	14.8	1.3	15.2	1.3	15.1	1.4	11.0	0.7	14.5	1.5	13.6	1.6
55	14.2	1.1	14.8	1.1	14.8	1.2	14.5	1.2	14.2	1.3	13.3	1.4
65	13.5	0.9	14.3	0.9	14.4	1.0	14.2	1.0	13.8	1.1	12.9	1.2
75.2	13.0	0.8	14.1	0.8	14.4	0.9	14.2	0.9	13.8	1.0	12.9	1.1

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0

RNS12ABC+RXS12ABC (AR12CSDABWKNCV+AR12CSDABWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	10.6	8.2	0.5	11.2	9.0	0.6	11.8	9.6	0.7	12.7	10.2	0.8	13.3	10.6	0.8	13.7	10.9	0.9	14.7	11.7	0.9	16.0	12.8	0.8
32	11.2	8.7	0.4	11.8	9.5	0.5	12.5	10.1	0.7	13.4	10.8	0.8	14.0	11.3	0.8	14.5	11.6	0.8	15.6	12.4	0.8	16.9	13.5	0.8
50	11.8	9.1	0.4	12.5	10.0	0.6	13.1	10.6	0.7	14.1	11.3	0.8	14.8	11.8	0.8	15.2	12.2	0.8	16.4	13.0	0.8	17.7	14.2	0.8
68	12.2	9.4	0.5	12.8	10.3	0.6	13.5	10.9	0.8	14.5	11.7	0.9	15.2	12.1	0.9	15.6	12.5	0.9	16.8	13.4	0.9	18.1	14.5	0.9
85	12.2	9.4	0.6	12.8	10.2	0.8	13.5	10.9	0.9	14.4	11.6	1.0	15.0	12.1	1.1	15.5	12.4	1.1	16.7	13.3	1.1	18.0	14.4	1.1
95	11.9	9.2	0.7	12.5	10.0	0.9	13.1	10.6	1.0	14.0	11.3	1.2	12.0	9.6	0.9	15.2	12.1	1.3	16.3	12.9	1.3	17.6	14.1	1.2
104	11.5	8.8	0.8	12.0	9.6	1.0	12.6	10.2	1.2	13.5	10.9	1.3	14.1	11.3	1.4	14.6	11.7	1.4	15.7	12.5	1.4	17.0	13.6	1.4
110	11.0	8.5	0.8	11.6	9.3	1.1	12.2	9.9	1.2	13.0	10.5	1.4	13.6	10.9	1.5	14.1	11.3	1.5	15.2	12.1	1.5	16.4	13.2	1.5
115	10.6	8.2	0.9	11.1	8.9	1.1	11.7	9.5	1.3	12.5	10.1	1.5	13.1	10.5	1.6	13.6	10.8	1.6	14.6	11.6	1.7	15.9	12.7	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	12.5	2.0	12.2	1.9	12.0	2.0	11.9	2.0	11.8	2.1	11.6	2.3
-4	12.8	2.0	12.5	1.9	12.3	2.0	12.2	2.1	12.0	2.2	11.8	2.4
0	13.9	2.1	13.7	2.0	13.4	2.1	13.3	2.2	13.1	2.3	12.8	2.5
5	15.0	2.1	14.8	2.1	14.6	2.2	14.4	2.2	14.2	2.3	13.8	2.5
14	16.3	2.1	16.3	2.1	16.0	2.2	15.8	2.3	15.5	2.3	15.0	2.5
23	17.0	2.0	17.1	2.0	16.9	2.1	16.6	2.2	16.2	2.3	15.6	2.4
32	17.2	1.8	17.4	1.8	17.2	1.9	16.9	2.0	16.5	2.1	15.7	2.3
41	17.0	1.6	17.4	1.6	17.2	1.7	17.0	1.8	16.5	1.9	15.6	2.0
47	16.7	1.5	17.3	1.5	17.2	1.6	17.0	1.8	16.4	1.7	15.5	1.9
55	16.3	1.3	17.0	1.3	17.0	1.4	16.8	1.5	16.3	1.5	15.3	1.7
65	15.8	1.1	16.8	1.2	16.9	1.2	16.7	1.3	16.3	1.4	15.2	1.5
75.2	15.5	1.1	16.8	1.1	17.2	1.2	17.0	1.3	16.6	1.3	15.4	1.5

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0

RNS15ABC+RXS15ABC (AR15CSDABWKNCV+AR15CSDABWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	12.2	8.9	0.6	13.0	9.9	0.9	13.7	10.8	1.1	14.7	11.8	1.3	15.4	12.4	1.3	15.9	12.7	1.4	17.1	13.3	1.4	18.6	13.8	1.4
32	12.6	9.2	0.6	13.4	10.2	0.9	14.2	11.2	1.1	15.3	12.3	1.3	16.0	12.8	1.4	16.6	13.2	1.4	17.8	13.8	1.4	19.4	14.4	1.4
50	13.7	10.0	0.7	14.5	11.1	1.1	15.3	12.0	1.3	16.4	13.2	1.5	17.2	13.8	1.6	17.8	14.1	1.6	19.1	14.8	1.6	20.7	15.4	1.6
68	14.8	10.9	1.0	15.7	12.0	1.4	16.5	13.0	1.7	17.7	14.1	1.9	18.5	14.8	2.0	19.1	15.2	2.0	20.4	15.8	2.0	22.1	16.4	2.0
85	15.6	11.4	1.3	16.5	12.5	1.7	17.3	13.6	2.1	18.5	14.8	2.4	19.3	15.4	2.5	19.9	15.8	2.5	21.3	16.5	2.5	23.0	17.1	2.5
95	15.7	11.5	1.4	16.6	12.6	2.0	17.4	13.7	2.3	18.6	14.9	2.6	19.0	15.0	2.6	20.0	15.9	2.8	21.5	16.7	2.8	23.2	17.2	2.8
104	15.5	11.3	1.6	16.4	12.5	2.1	17.3	13.6	2.6	18.4	14.8	2.9	19.3	15.4	3.0	19.9	15.8	3.1	21.3	16.5	3.1	23.1	17.1	3.1
110	15.2	11.1	1.7	16.1	12.2	2.3	16.9	13.3	2.7	18.1	14.5	3.1	19.0	15.2	3.2	19.6	15.6	3.3	21.0	16.3	3.3	22.8	16.9	3.3
115	14.8	10.8	1.8	15.7	11.9	2.4	16.6	13.0	2.8	17.8	14.3	3.2	18.6	14.9	3.3	19.2	15.3	3.4	20.7	16.0	3.5	22.4	16.6	3.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	16.0	2.5	15.7	2.4	15.4	2.5	15.2	2.5	15.0	2.7	14.8	2.9
-4	16.4	2.5	16.1	2.4	15.8	2.5	15.6	2.6	15.4	2.7	15.1	2.9
0	17.7	2.5	17.4	2.5	17.1	2.6	16.9	2.6	16.6	2.8	16.2	3.0
5	19.0	2.6	18.8	2.5	18.5	2.6	18.2	2.7	17.9	2.8	17.3	3.0
14	20.6	2.5	20.7	2.5	20.3	2.5	20.0	2.6	19.6	2.7	18.8	3.0
23	21.5	2.3	21.8	2.3	21.5	2.4	21.1	2.5	20.6	2.6	19.6	2.8
32	21.8	2.0	22.4	2.1	22.2	2.2	21.8	2.2	21.2	2.4	20.0	2.6
41	21.8	1.8	22.6	1.8	22.5	1.9	22.2	2.0	21.5	2.1	20.2	2.3
47	21.7	1.6	22.7	1.7	22.7	1.8	22.0	1.9	21.7	2.0	20.3	2.2
55	21.5	1.5	22.8	1.5	23.0	1.7	22.7	1.7	22.0	1.8	20.5	2.0
65	21.4	1.4	23.2	1.5	23.6	1.6	23.3	1.7	22.7	1.8	21.0	2.0
75.2	21.8	1.6	24.1	1.7	24.8	1.8	24.5	1.9	23.9	2.0	22.2	2.2

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0

RNS18ABC+RXS18ABC (AR18CSDABWKNCV+AR18CSDABWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	14.1	12.4	0.5	15.7	13.1	0.8	16.8	13.7	0.9	17.9	14.4	1.1	18.6	14.9	1.1	19.1	15.2	1.1	20.5	15.9	1.1	22.5	16.6	1.1
32	15.4	13.5	0.4	17.0	14.2	0.7	18.2	14.9	0.9	19.5	15.7	1.0	20.2	16.2	1.0	20.8	16.6	1.1	22.3	17.3	1.0	24.4	18.1	1.0
50	16.8	14.7	0.5	18.4	15.4	0.8	19.7	16.1	1.0	21.0	17.0	1.1	21.9	17.5	1.2	22.5	17.9	1.2	24.1	18.7	1.2	26.3	19.5	1.1
68	17.9	15.6	0.7	19.6	16.3	1.0	20.9	17.0	1.2	22.3	18.0	1.4	23.1	18.5	1.5	23.8	18.9	1.5	25.4	19.7	1.5	27.7	20.6	1.4
85	18.3	15.9	0.9	20.0	16.6	1.3	21.3	17.4	1.6	22.7	18.3	1.8	23.5	18.8	1.9	24.2	19.2	1.9	25.8	20.0	1.9	28.1	20.9	1.8
95	18.1	15.7	1.1	19.8	16.5	1.5	21.0	17.2	1.8	22.4	18.1	2.1	18.0	14.4	1.4	23.9	19.0	2.2	25.6	19.8	2.2	27.8	20.7	2.2
104	17.6	15.3	1.3	19.2	16.0	1.7	20.5	16.7	2.1	21.8	17.6	2.3	22.6	18.2	2.4	23.3	18.5	2.5	24.9	19.3	2.5	27.2	20.2	2.5
110	17.1	14.8	1.4	18.7	15.5	1.9	19.9	16.2	2.2	21.2	17.1	2.5	22.0	17.7	2.7	22.6	18.0	2.7	24.3	18.8	2.8	26.5	19.6	2.7
115	16.5	14.3	1.5	18.0	15.0	2.0	19.2	15.7	2.4	20.5	16.6	2.7	21.3	17.1	2.8	21.9	17.5	2.9	23.5	18.2	2.9	25.8	19.1	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	21.7	3.7	20.7	3.6	20.1	3.7	20.0	3.8	20.1	4.0	20.2	4.3
-4	22.1	3.8	21.1	3.7	20.6	3.8	20.5	3.9	20.5	4.0	20.6	4.4
0	23.5	3.9	22.6	3.9	22.1	4.0	22.0	4.1	21.9	4.2	21.9	4.6
5	24.8	4.0	24.1	4.0	23.5	4.1	23.3	4.2	23.2	4.4	22.9	4.7
14	26.0	3.9	25.5	3.9	25.0	4.0	24.7	4.1	24.4	4.3	23.9	4.6
23	26.0	3.6	25.9	3.6	25.4	3.7	25.1	3.8	24.7	4.0	23.8	4.3
32	25.4	3.1	25.6	3.1	25.3	3.2	24.9	3.3	24.3	3.5	23.2	3.8
41	24.5	2.5	25.1	2.5	24.9	2.7	24.5	2.8	23.9	3.0	22.5	3.3
47	24.0	2.2	24.9	2.2	24.8	2.4	20.0	1.6	23.7	2.7	22.2	3.0
55	23.6	1.9	25.0	1.9	25.1	2.1	24.7	2.2	24.0	2.3	22.2	2.6
65	24.3	1.7	26.2	1.8	26.6	2.0	26.2	2.1	25.5	2.2	23.5	2.5
75.2	26.7	2.1	29.3	2.2	30.0	2.3	29.7	2.4	28.9	2.6	26.8	2.8

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0

RNS24ABC+RXS24ABC (AR24CSDABWKNCV+AR24CSDABWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	22.9	17.9	0.6	23.4	18.7	0.9	24.1	19.4	1.1	25.2	20.3	1.2	26.2	21.0	1.3	27.1	21.6	1.3	29.1	23.2	1.3	31.8	25.5	1.3
32	23.1	18.1	0.6	23.7	18.9	0.8	24.4	19.6	1.1	25.6	20.6	1.2	26.7	21.4	1.3	27.5	22.0	1.3	29.6	23.6	1.4	32.4	25.9	1.3
50	24.4	19.2	0.8	25.0	20.0	1.1	25.8	20.7	1.3	27.1	21.7	1.5	28.1	22.5	1.6	28.9	23.1	1.6	31.0	24.8	1.7	33.8	27.0	1.6
68	25.6	20.1	1.1	26.2	21.0	1.5	27.0	21.7	1.7	28.2	22.7	2.0	29.3	23.4	2.1	30.1	24.0	2.1	32.2	25.7	2.1	34.9	27.9	2.1
85	25.6	20.1	1.4	26.2	20.9	1.8	26.9	21.6	2.2	28.1	22.5	2.4	29.0	23.2	2.6	29.8	23.8	2.6	31.8	25.4	2.6	34.5	27.6	2.6
95	24.6	19.3	1.5	25.1	20.1	2.0	25.8	20.7	2.4	26.9	21.6	2.7	21.0	16.8	1.7	28.6	22.9	2.9	30.6	24.4	2.9	33.2	26.5	2.8
104	22.9	17.9	1.6	23.4	18.7	2.1	24.0	19.3	2.5	25.1	20.1	2.9	26.0	20.8	3.0	26.7	21.3	3.1	28.6	22.8	3.1	31.1	24.9	3.0
110	21.2	16.6	1.7	21.7	17.3	2.2	22.2	17.9	2.6	23.3	18.7	3.0	24.1	19.3	3.1	24.9	19.9	3.2	26.7	21.3	3.2	29.2	23.3	3.2
115	19.4	15.2	1.7	19.9	15.9	2.2	20.4	16.5	2.6	21.4	17.2	3.0	22.3	17.8	3.2	23.0	18.3	3.2	24.7	19.7	3.3	27.2	21.8	3.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	25.9	4.5	25.5	4.4	25.0	4.5	24.8	4.6	24.6	4.8	24.3	5.3
-4	26.5	4.6	26.1	4.5	25.6	4.6	25.4	4.7	25.2	4.9	24.8	5.3
0	28.5	4.8	28.1	4.7	27.6	4.8	27.3	4.9	27.0	5.1	26.5	5.5
5	30.2	4.9	29.9	4.8	29.4	4.9	29.1	5.0	28.7	5.2	28.0	5.7
14	31.7	4.7	31.6	4.6	31.1	4.8	30.7	4.9	30.2	5.1	29.2	5.5
23	31.6	4.2	31.7	4.2	31.2	4.4	30.8	4.5	30.2	4.7	29.0	5.1
32	30.4	3.6	30.8	3.6	30.4	3.8	29.9	3.9	29.3	4.1	27.9	4.5
41	28.7	2.9	29.5	2.9	29.2	3.1	28.7	3.3	28.0	3.5	26.4	3.8
47	27.7	2.5	28.6	2.6	28.5	2.7	25.0	2.0	27.3	3.1	25.6	3.4
55	26.6	2.1	27.9	2.2	28.0	2.4	27.5	2.5	26.8	2.7	25.0	3.0
65	26.5	2.0	28.3	2.0	28.6	2.2	28.2	2.4	27.4	2.5	25.6	2.9
75.2	28.5	2.4	30.9	2.5	31.5	2.7	31.2	2.8	30.4	3.0	28.5	3.3

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0e

RNS09CMC+RXS09CMC (AR09CSFCMWKNCV+AR09CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	9.0	8.0	0.4	10.0	8.3	0.5	10.7	8.7	0.6	11.4	9.1	0.7	11.8	9.4	0.7	12.1	9.6	0.7	12.9	10.0	0.7	14.1	10.5	0.7
32	9.1	6.4	0.3	10.2	7.1	0.4	10.9	7.7	0.5	11.4	8.0	0.6	12.2	8.5	0.6	12.1	9.7	0.6	13.0	10.1	0.6	14.3	10.6	0.6
50	9.2	8.3	0.3	10.4	8.7	0.4	11.2	9.1	0.5	11.9	9.6	0.6	12.4	9.9	0.6	12.7	10.1	0.6	13.6	10.6	0.6	14.9	11.1	0.6
68	9.8	8.7	0.4	10.9	9.1	0.5	11.7	9.5	0.6	12.5	10.0	0.7	12.9	10.3	0.7	13.3	10.6	0.7	14.2	11.0	0.7	15.5	11.5	0.7
85	9.8	8.8	0.5	11.0	9.1	0.6	11.7	9.5	0.7	12.5	10.0	0.9	12.9	10.3	0.9	13.2	10.5	0.9	14.1	11.0	0.9	15.4	11.4	0.9
95	9.5	8.5	0.6	10.6	8.8	0.7	11.3	9.2	0.9	12.0	9.6	1.0	9.0	7.2	0.7	12.7	10.1	1.0	13.6	10.6	1.1	14.8	11.0	1.0
104	8.8	7.9	0.7	9.9	8.2	0.8	10.6	8.6	1.0	11.2	9.0	1.1	11.6	9.3	1.2	11.9	9.5	1.2	12.7	9.9	1.2	13.9	10.3	1.2
110	8.2	7.4	0.7	9.2	7.7	0.9	9.9	8.0	1.0	10.5	8.4	1.2	10.8	8.7	1.3	11.1	8.9	1.3	11.9	9.3	1.3	13.0	9.7	1.3
115	7.5	6.8	0.8	8.5	7.1	1.0	9.1	7.4	1.1	9.7	7.8	1.3	10.0	8.1	1.3	10.3	8.2	1.4	11.0	8.6	1.4	12.2	9.0	1.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	8.1	1.0	7.8	0.9	7.8	1.0	8.0	1.1	8.1	1.2	8.5	1.4
0	9.6	1.3	9.3	1.2	9.3	1.3	9.3	1.3	9.4	1.4	9.6	1.6
5	10.9	1.5	10.6	1.4	10.5	1.4	10.5	1.5	10.5	1.6	10.5	1.8
14	12.6	1.6	12.3	1.6	12.1	1.6	12.0	1.7	11.9	1.8	11.7	1.9
23	13.6	1.6	13.5	1.6	13.2	1.6	13.1	1.7	12.9	1.8	12.4	1.9
32	14.1	1.5	14.1	1.4	13.9	1.5	13.7	1.6	13.4	1.6	12.8	1.8
41	14.2	1.3	14.5	1.3	14.3	1.3	14.0	1.4	13.7	1.4	12.9	1.6
47	14.2	1.1	14.6	1.1	14.4	1.2	11.0	0.9	13.8	1.3	12.9	1.5
55	14.0	1.0	14.6	1.0	14.6	1.1	14.3	1.1	13.9	1.2	13.0	1.3
65	13.7	0.9	14.6	0.9	14.8	1.0	14.6	1.1	14.1	1.1	13.1	1.2
75.2	13.5	1.0	14.8	1.1	15.2	1.1	15.0	1.2	14.6	1.2	13.6	1.4

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0e

RNS12CMC+RXS12CMC(AR12CSFCMWKNCV+AR89CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	10.3	9.2	0.5	10.9	9.0	0.6	11.4	9.2	0.7	12.2	9.8	0.8	12.7	10.2	0.8	13.1	10.5	0.8	14.1	11.0	0.8	15.3	11.3	0.8
32	10.3	9.3	0.3	10.9	9.1	0.4	11.5	9.4	0.5	12.4	10.0	0.6	13.0	10.4	0.6	13.4	10.7	0.7	14.5	11.3	0.7	15.7	11.6	0.6
50	10.8	9.8	0.3	11.5	9.6	0.4	12.2	9.9	0.5	13.1	10.5	0.6	13.7	11.0	0.7	14.2	11.3	0.7	15.3	11.9	0.7	16.6	12.3	0.7
68	11.5	10.3	0.4	12.2	10.1	0.6	12.8	10.4	0.7	13.8	11.0	0.8	14.4	11.5	0.8	14.9	11.8	0.9	15.9	12.4	0.9	17.2	12.8	0.8
85	11.6	10.3	0.6	12.3	10.2	0.8	12.9	10.5	0.9	13.8	11.1	1.0	14.4	11.5	1.1	14.9	11.9	1.1	15.9	12.4	1.1	17.2	12.8	1.1
95	11.3	10.1	0.7	11.9	9.9	0.9	12.6	10.2	1.0	13.4	10.8	1.2	12.0	9.6	1.0	14.5	11.5	1.3	15.5	12.1	1.3	16.7	12.4	1.2
104	10.7	9.5	0.8	11.3	9.4	1.0	11.9	9.6	1.2	12.7	10.2	1.3	13.2	10.6	1.4	13.7	10.9	1.4	14.6	11.4	1.4	15.8	11.8	1.4
110	10.0	9.0	0.8	10.6	8.8	1.1	11.2	9.0	1.2	11.9	9.6	1.4	12.5	10.0	1.5	12.9	10.3	1.5	13.8	10.8	1.5	15.0	11.1	1.5
115	9.3	8.4	0.9	9.9	8.2	1.1	10.4	8.4	1.3	11.2	9.0	1.5	11.7	9.4	1.6	12.1	9.7	1.6	13.0	10.1	1.6	14.2	10.5	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.6	1.1	10.3	1.0	10.3	1.0	10.4	1.1	10.6	1.2	11.0	1.4
0	11.3	1.4	10.9	1.3	10.9	1.3	10.9	1.4	11.0	1.5	11.2	1.7
5	12.0	1.6	11.7	1.5	11.5	1.5	11.5	1.6	11.5	1.7	11.6	1.9
14	13.3	1.7	13.0	1.7	12.8	1.7	12.7	1.8	12.6	1.9	12.3	2.1
23	14.5	1.7	14.3	1.7	14.1	1.7	13.9	1.8	13.7	1.9	13.2	2.1
32	15.5	1.6	15.5	1.6	15.3	1.6	15.0	1.7	14.7	1.8	14.0	1.9
41	16.2	1.4	16.4	1.4	16.2	1.4	16.0	1.5	15.6	1.6	14.8	1.7
47	16.5	1.2	16.9	1.2	16.7	1.3	12.0	1.0	16.1	1.4	15.1	1.6
55	16.5	1.1	17.1	1.1	17.1	1.2	16.9	1.2	16.4	1.3	15.4	1.4
65	15.9	1.0	16.9	1.0	17.0	1.1	16.8	1.2	16.4	1.2	15.3	1.4
75.2	14.4	1.1	15.8	1.2	16.2	1.2	16.0	1.3	15.6	1.4	14.5	1.5

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0e

RNS15CMC+RXS15CMC (AR15CSFCMWKNCV+A15CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	16.7	12.1	0.5	17.2	13.1	0.7	18.0	14.2	0.8	19.3	15.5	0.9	20.2	16.2	0.9	20.9	16.6	0.9	22.5	17.4	0.9	24.2	18.0	0.9
32	15.6	11.3	0.4	16.2	12.3	0.6	17.0	13.4	0.7	18.3	14.7	0.8	19.2	15.4	0.8	19.9	15.8	0.8	21.4	16.6	0.8	23.2	17.2	0.8
50	15.6	11.3	0.4	16.1	12.3	0.6	16.9	13.3	0.7	18.2	14.6	0.8	19.1	15.3	0.9	19.8	15.8	0.9	21.3	16.5	0.9	23.1	17.1	0.9
68	15.8	11.5	0.5	16.4	12.5	0.8	17.2	13.5	0.9	18.4	14.8	1.0	19.3	15.5	1.1	20.0	15.9	1.1	21.5	16.6	1.1	23.2	17.2	1.1
85	15.8	11.5	0.7	16.3	12.4	1.0	17.0	13.4	1.2	18.3	14.6	1.3	19.1	15.3	1.4	19.8	15.7	1.4	21.2	16.4	1.4	22.8	17.0	1.4
95	15.4	11.2	0.9	15.9	12.1	1.1	16.6	13.1	1.3	17.8	14.2	1.5	18.5	15.0	1.6	19.2	15.3	1.6	20.6	16.0	1.6	22.2	16.5	1.6
104	14.7	10.7	1.0	15.1	11.5	1.3	15.8	12.5	1.5	17.0	13.6	1.7	17.8	14.2	1.8	18.4	14.6	1.8	19.7	15.3	1.8	21.3	15.8	1.8
110	14.0	10.1	1.1	14.4	11.0	1.4	15.1	11.9	1.6	16.2	13.0	1.8	17.0	13.6	1.9	17.6	14.0	2.0	18.9	14.7	2.0	20.4	15.1	2.0
115	13.2	9.5	1.1	13.6	10.4	1.5	14.3	11.3	1.7	15.4	12.4	1.9	16.1	13.0	2.0	16.7	13.3	2.1	18.0	14.0	2.1	19.5	14.4	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.0	1.5	9.5	1.4	9.3	1.4	9.4	1.5	9.4	1.6	9.7	1.8
0	11.7	1.6	11.2	1.5	11.0	1.5	11.0	1.6	11.0	1.7	11.0	1.9
5	13.2	1.7	12.8	1.6	12.5	1.6	12.5	1.7	12.4	1.8	12.3	2.0
14	15.4	1.8	15.1	1.7	14.9	1.8	14.7	1.8	14.5	1.9	14.1	2.1
23	17.0	1.8	17.0	1.8	16.8	1.8	16.5	1.9	16.2	2.0	15.6	2.2
32	18.2	1.8	18.4	1.8	18.2	1.9	18.0	1.9	17.6	2.0	16.8	2.2
41	19.1	1.8	19.5	1.8	19.4	1.9	19.1	1.9	18.7	2.0	17.7	2.2
47	19.4	1.7	20.1	1.7	20.1	1.8	19.0	1.1	19.3	2.0	18.2	2.2
55	19.8	1.7	20.7	1.7	20.8	1.8	20.5	1.9	20.0	1.9	18.7	2.1
65	19.9	1.6	21.2	1.6	21.6	1.7	21.3	1.8	20.7	1.9	19.3	2.1
75.2	19.9	1.5	21.7	1.5	22.3	1.7	22.0	1.7	21.5	1.8	20.0	2.0

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0e

RNS18CMC+RXS18CMC (AR18CSFCMWKNCV+AR18CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	17.1	14.3	0.9	18.0	14.7	0.9	18.8	15.2	0.9	19.9	16.0	0.9	20.7	16.6	0.9	21.3	17.0	0.9	22.8	17.7	0.9	24.8	18.4	0.9
32	16.0	13.5	0.6	17.0	13.9	0.7	17.8	14.4	0.7	18.9	15.3	0.7	19.7	15.8	0.7	20.3	16.2	0.7	21.8	16.9	0.7	23.8	17.6	0.7
50	16.0	13.5	0.7	17.0	13.9	0.8	17.9	14.4	0.8	19.0	15.3	0.8	19.7	15.8	0.8	20.3	16.2	0.8	21.8	16.9	0.8	23.8	17.6	0.8
68	16.4	13.8	1.1	17.3	14.1	1.1	18.2	14.7	1.1	19.3	15.5	1.1	20.0	16.0	1.2	20.6	16.4	1.2	22.1	17.1	1.2	24.0	17.8	1.2
85	16.4	13.7	1.4	17.3	14.1	1.5	18.1	14.6	1.5	19.2	15.4	1.5	19.9	15.9	1.5	20.4	16.3	1.5	21.8	17.0	1.6	23.7	17.6	1.6
95	15.9	13.4	1.6	16.9	13.7	1.7	17.7	14.2	1.7	18.7	15.0	1.7	18.0	14.4	1.6	19.9	15.8	1.8	21.3	16.5	1.8	23.1	17.2	1.8
104	15.2	12.8	1.8	16.1	13.1	1.8	16.9	13.6	1.9	17.8	14.3	1.9	18.5	14.8	1.9	19.0	15.2	1.9	20.4	15.8	1.9	22.2	16.4	1.9
110	14.5	12.2	1.9	15.3	12.5	1.9	16.1	12.9	2.0	17.0	13.7	2.0	17.7	14.2	2.0	18.2	14.5	2.0	19.5	15.2	2.0	21.3	15.8	2.0
115	13.7	11.6	1.9	14.5	11.8	2.0	15.3	12.3	2.0	16.2	13.0	2.0	16.8	13.5	2.1	17.3	13.8	2.1	18.6	14.4	2.1	20.3	15.0	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.4	1.6	9.9	1.5	9.7	1.5	9.7	1.6	9.8	1.7	10.1	1.9
0	12.7	1.7	12.2	1.6	12.0	1.7	12.0	1.8	12.0	1.9	12.0	2.1
5	14.6	1.8	14.2	1.8	14.0	1.8	13.9	1.9	13.8	2.0	13.7	2.2
14	17.2	2.0	16.9	1.9	16.7	2.0	16.5	2.0	16.3	2.1	15.9	2.3
23	18.8	2.0	18.8	1.9	18.5	2.0	18.3	2.1	18.0	2.2	17.3	2.4
32	19.8	1.9	19.9	1.9	19.7	2.0	19.4	2.0	19.0	2.1	18.1	2.3
41	20.2	1.8	20.6	1.8	20.5	1.9	20.2	2.0	19.7	2.0	18.6	2.2
47	20.2	1.7	20.9	1.7	20.9	1.8	11.0	0.9	20.0	2.0	18.8	2.1
55	20.2	1.6	21.2	1.6	21.3	1.7	21.0	1.7	20.4	1.8	19.1	2.0
65	20.2	1.4	21.6	1.4	21.9	1.5	21.6	1.6	21.0	1.7	19.6	1.8
75.2	20.5	1.2	22.3	1.3	22.9	1.4	22.7	1.5	22.1	1.5	20.6	1.7

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0e

RNS24CMC+RXS24CMC (AR24CSFCMWKNCV+AR24CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	20.3	14.2	0.8	22.4	15.7	0.8	24.6	17.2	0.9	25.9	18.1	0.9	27.3	21.9	0.9	28.0	22.4	0.9	30.0	23.5	0.9	32.7	24.2	0.9
32	20.7	19.3	0.7	23.0	19.2	0.8	24.6	19.8	0.8	26.3	21.0	0.8	27.4	21.9	0.8	28.2	22.5	0.8	30.3	23.7	0.8	33.1	24.5	0.8
50	21.4	19.9	1.2	23.8	19.9	1.3	25.5	20.4	1.3	27.2	21.7	1.3	28.4	22.7	1.3	29.2	23.3	1.4	31.3	24.4	1.4	34.2	25.3	1.4
68	22.1	20.5	2.0	24.5	20.4	2.0	26.2	21.0	2.0	27.9	22.2	2.1	29.0	23.2	2.1	29.8	23.8	2.1	31.9	24.9	2.1	34.7	25.7	2.1
85	21.8	20.1	2.6	24.0	20.0	2.6	25.7	20.5	2.7	27.3	21.7	2.7	28.3	22.6	2.8	29.1	23.2	2.8	31.0	24.3	2.8	33.7	25.0	2.8
95	20.7	19.2	2.8	22.9	19.0	2.9	24.4	19.5	2.9	25.9	20.6	3.0	22.0	17.6	2.1	27.6	22.0	3.0	29.4	23.1	3.0	32.0	23.8	3.0
104	19.0	17.8	2.8	21.1	17.5	2.9	22.5	17.9	3.0	23.9	19.0	3.0	24.8	19.8	3.1	25.4	20.3	3.1	27.1	21.3	3.1	29.6	22.0	3.1
110	17.4	16.4	2.8	19.4	16.1	2.9	20.8	16.5	2.9	22.0	17.5	3.0	22.8	18.3	3.0	23.5	18.8	3.0	25.1	19.7	3.0	27.5	20.3	3.0
115	15.7	15.0	2.7	17.6	14.7	2.7	18.9	15.0	2.8	20.1	16.0	2.9	20.9	16.7	2.9	21.5	17.2	2.9	23.0	18.1	2.9	25.3	18.7	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	18.6	3.1	18.0	3.0	17.8	3.0	17.8	3.2	17.8	3.4	18.1	3.8
0	19.6	3.2	19.0	3.1	18.7	3.2	18.6	3.3	18.6	3.5	18.6	3.9
5	20.7	3.3	20.1	3.2	19.8	3.2	19.7	3.4	19.5	3.6	19.3	4.0
14	22.9	3.4	22.5	3.3	22.2	3.4	21.9	3.5	21.6	3.7	21.1	4.1
23	25.2	3.4	25.1	3.4	24.7	3.5	24.4	3.6	24.0	3.8	23.1	4.1
32	27.3	3.4	27.4	3.4	27.1	3.5	26.7	3.6	26.2	3.8	25.1	4.1
41	28.8	3.3	29.2	3.3	29.0	3.4	28.6	3.5	28.0	3.7	26.7	4.0
47	29.3	3.1	29.9	3.1	29.8	3.3	24.0	2.3	28.8	3.5	27.3	3.8
55	29.2	2.8	30.2	2.9	30.2	3.0	29.8	3.1	29.2	3.3	27.6	3.5
65	27.4	2.4	28.9	2.4	29.2	2.6	28.9	2.7	28.2	2.8	26.5	3.0
75.2	23.3	1.7	25.5	1.8	26.1	1.9	25.8	2.0	25.2	2.1	23.4	2.3

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode.

Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0i

RNS09CPC+RXS09CMC (AR09CSKCPWKNCV+AR09CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	9.0	8.0	0.4	10.0	8.3	0.5	10.7	8.7	0.6	11.4	9.1	0.7	11.8	9.4	0.7	12.1	9.6	0.7	12.9	10.0	0.7	14.1	10.5	0.7
32	9.1	6.4	0.3	10.2	7.1	0.4	10.9	7.7	0.5	11.4	8.0	0.6	12.2	8.5	0.6	12.1	9.7	0.6	13.0	10.1	0.6	14.3	10.6	0.6
50	9.2	8.3	0.3	10.4	8.7	0.4	11.2	9.1	0.5	11.9	9.6	0.6	12.4	9.9	0.6	12.7	10.1	0.6	13.6	10.6	0.6	14.9	11.1	0.6
68	9.8	8.7	0.4	10.9	9.1	0.5	11.7	9.5	0.6	12.5	10.0	0.7	12.9	10.3	0.7	13.3	10.6	0.7	14.2	11.0	0.7	15.5	11.5	0.7
85	9.8	8.8	0.5	11.0	9.1	0.6	11.7	9.5	0.7	12.5	10.0	0.9	12.9	10.3	0.9	13.2	10.5	0.9	14.1	11.0	0.9	15.4	11.4	0.9
95	9.5	8.5	0.6	10.6	8.8	0.7	11.3	9.2	0.9	12.0	9.6	1.0	9.0	7.2	0.7	12.7	10.1	1.0	13.6	10.6	1.1	14.8	11.0	1.0
104	8.8	7.9	0.7	9.9	8.2	0.8	10.6	8.6	1.0	11.2	9.0	1.1	11.6	9.3	1.2	11.9	9.5	1.2	12.7	9.9	1.2	13.9	10.3	1.2
110	8.2	7.4	0.7	9.2	7.7	0.9	9.9	8.0	1.0	10.5	8.4	1.2	10.8	8.7	1.3	11.1	8.9	1.3	11.9	9.3	1.3	13.0	9.7	1.3
115	7.5	6.8	0.8	8.5	7.1	1.0	9.1	7.4	1.1	9.7	7.8	1.3	10.0	8.1	1.3	10.3	8.2	1.4	11.0	8.6	1.4	12.2	9.0	1.4

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	8.1	1.0	7.8	0.9	7.8	1.0	8.0	1.1	8.1	1.2	8.5	1.4
0	9.6	1.3	9.3	1.2	9.3	1.3	9.3	1.3	9.4	1.4	9.6	1.6
5	10.9	1.5	10.6	1.4	10.5	1.4	10.5	1.5	10.5	1.6	10.5	1.8
14	12.6	1.6	12.3	1.6	12.1	1.6	12.0	1.7	11.9	1.8	11.7	1.9
23	13.6	1.6	13.5	1.6	13.2	1.6	13.1	1.7	12.9	1.8	12.4	1.9
32	14.1	1.5	14.1	1.4	13.9	1.5	13.7	1.6	13.4	1.6	12.8	1.8
41	14.2	1.3	14.5	1.3	14.3	1.3	14.0	1.4	13.7	1.4	12.9	1.6
47	14.2	1.1	14.6	1.1	14.4	1.2	11.0	0.9	13.8	1.3	12.9	1.5
55	14.0	1.0	14.6	1.0	14.6	1.1	14.3	1.1	13.9	1.2	13.0	1.3
65	13.7	0.9	14.6	0.9	14.8	1.0	14.6	1.1	14.1	1.1	13.1	1.2
75.2	13.5	1.0	14.8	1.1	15.2	1.1	15.0	1.2	14.6	1.2	13.6	1.4

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0i

RNS12CPC+RXS12CMC (AR12CSKCPWKNCV+AR12CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	10.3	9.2	0.5	10.9	9.0	0.6	11.4	9.2	0.7	12.2	9.8	0.8	12.7	10.2	0.8	13.1	10.5	0.8	14.1	11.0	0.8	15.3	11.3	0.8
32	10.3	9.3	0.3	10.9	9.1	0.4	11.5	9.4	0.5	12.4	10.0	0.6	13.0	10.4	0.6	13.4	10.7	0.7	14.5	11.3	0.7	15.7	11.6	0.6
50	10.8	9.8	0.3	11.5	9.6	0.4	12.2	9.9	0.5	13.1	10.5	0.6	13.7	11.0	0.7	14.2	11.3	0.7	15.3	11.9	0.7	16.6	12.3	0.7
68	11.5	10.3	0.4	12.2	10.1	0.6	12.8	10.4	0.7	13.8	11.0	0.8	14.4	11.5	0.8	14.9	11.8	0.9	15.9	12.4	0.9	17.2	12.8	0.8
85	11.6	10.3	0.6	12.3	10.2	0.8	12.9	10.5	0.9	13.8	11.1	1.0	14.4	11.5	1.1	14.9	11.9	1.1	15.9	12.4	1.1	17.2	12.8	1.1
95	11.3	10.1	0.7	11.9	9.9	0.9	12.6	10.2	1.0	13.4	10.8	1.2	12.0	9.6	1.0	14.5	11.5	1.3	15.5	12.1	1.3	16.7	12.4	1.2
104	10.7	9.5	0.8	11.3	9.4	1.0	11.9	9.6	1.2	12.7	10.2	1.3	13.2	10.6	1.4	13.7	10.9	1.4	14.6	11.4	1.4	15.8	11.8	1.4
110	10.0	9.0	0.8	10.6	8.8	1.1	11.2	9.0	1.2	11.9	9.6	1.4	12.5	10.0	1.5	12.9	10.3	1.5	13.8	10.8	1.5	15.0	11.1	1.5
115	9.3	8.4	0.9	9.9	8.2	1.1	10.4	8.4	1.3	11.2	9.0	1.5	11.7	9.4	1.6	12.1	9.7	1.6	13.0	10.1	1.6	14.2	10.5	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.6	1.1	10.3	1.0	10.3	1.0	10.4	1.1	10.6	1.2	11.0	1.4
0	11.3	1.4	10.9	1.3	10.9	1.3	10.9	1.4	11.0	1.5	11.2	1.7
5	12.0	1.6	11.7	1.5	11.5	1.5	11.5	1.6	11.5	1.7	11.6	1.9
14	13.3	1.7	13.0	1.7	12.8	1.7	12.7	1.8	12.6	1.9	12.3	2.1
23	14.5	1.7	14.3	1.7	14.1	1.7	13.9	1.8	13.7	1.9	13.2	2.1
32	15.5	1.6	15.5	1.6	15.3	1.6	15.0	1.7	14.7	1.8	14.0	1.9
41	16.2	1.4	16.4	1.4	16.2	1.4	16.0	1.5	15.6	1.6	14.8	1.7
47	16.5	1.2	16.9	1.2	16.7	1.3	12.0	1.0	16.1	1.4	15.1	1.6
55	16.5	1.1	17.1	1.1	17.1	1.2	16.9	1.2	16.4	1.3	15.4	1.4
65	15.9	1.0	16.9	1.0	17.0	1.1	16.8	1.2	16.4	1.2	15.3	1.4
75.2	14.4	1.1	15.8	1.2	16.2	1.2	16.0	1.3	15.6	1.4	14.5	1.5

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0i

RNS15CPC+RXS15CMC (AR15CSKCPWKNCV+AR15CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	16.7	12.1	0.5	17.2	13.1	0.7	18.0	14.2	0.8	19.3	15.5	0.9	20.2	16.2	0.9	20.9	16.6	0.9	22.5	17.4	0.9	24.2	18.0	0.9
32	15.6	11.3	0.4	16.2	12.3	0.6	17.0	13.4	0.7	18.3	14.7	0.8	19.2	15.4	0.8	19.9	15.8	0.8	21.4	16.6	0.8	23.2	17.2	0.8
50	15.6	11.3	0.4	16.1	12.3	0.6	16.9	13.3	0.7	18.2	14.6	0.8	19.1	15.3	0.9	19.8	15.8	0.9	21.3	16.5	0.9	23.1	17.1	0.9
68	15.8	11.5	0.5	16.4	12.5	0.8	17.2	13.5	0.9	18.4	14.8	1.0	19.3	15.5	1.1	20.0	15.9	1.1	21.5	16.6	1.1	23.2	17.2	1.1
85	15.8	11.5	0.7	16.3	12.4	1.0	17.0	13.4	1.2	18.3	14.6	1.3	19.1	15.3	1.4	19.8	15.7	1.4	21.2	16.4	1.4	22.8	17.0	1.4
95	15.4	11.2	0.9	15.9	12.1	1.1	16.6	13.1	1.3	17.8	14.2	1.5	18.5	15.0	1.6	19.2	15.3	1.6	20.6	16.0	1.6	22.2	16.5	1.6
104	14.7	10.7	1.0	15.1	11.5	1.3	15.8	12.5	1.5	17.0	13.6	1.7	17.8	14.2	1.8	18.4	14.6	1.8	19.7	15.3	1.8	21.3	15.8	1.8
110	14.0	10.1	1.1	14.4	11.0	1.4	15.1	11.9	1.6	16.2	13.0	1.8	17.0	13.6	1.9	17.6	14.0	2.0	18.9	14.7	2.0	20.4	15.1	2.0
115	13.2	9.5	1.1	13.6	10.4	1.5	14.3	11.3	1.7	15.4	12.4	1.9	16.1	13.0	2.0	16.7	13.3	2.1	18.0	14.0	2.1	19.5	14.4	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.0	1.5	9.5	1.4	9.3	1.4	9.4	1.5	9.4	1.6	9.7	1.8
0	11.7	1.6	11.2	1.5	11.0	1.5	11.0	1.6	11.0	1.7	11.0	1.9
5	13.2	1.7	12.8	1.6	12.5	1.6	12.5	1.7	12.4	1.8	12.3	2.0
14	15.4	1.8	15.1	1.7	14.9	1.8	14.7	1.8	14.5	1.9	14.1	2.1
23	17.0	1.8	17.0	1.8	16.8	1.8	16.5	1.9	16.2	2.0	15.6	2.2
32	18.2	1.8	18.4	1.8	18.2	1.9	18.0	1.9	17.6	2.0	16.8	2.2
41	19.1	1.8	19.5	1.8	19.4	1.9	19.1	1.9	18.7	2.0	17.7	2.2
47	19.4	1.7	20.1	1.7	20.1	1.8	19.0	1.1	19.3	2.0	18.2	2.2
55	19.8	1.7	20.7	1.7	20.8	1.8	20.5	1.9	20.0	1.9	18.7	2.1
65	19.9	1.6	21.2	1.6	21.6	1.7	21.3	1.8	20.7	1.9	19.3	2.1
75.2	19.9	1.5	21.7	1.5	22.3	1.7	22.0	1.7	21.5	1.8	20.0	2.0

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0i

RNS18CPC+RXS18CMC (AR18CSKCPWKNCV+AR18CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	17.1	14.3	0.9	18.0	14.7	0.9	18.8	15.2	0.9	19.9	16.0	0.9	20.7	16.6	0.9	21.3	17.0	0.9	22.8	17.7	0.9	24.8	18.4	0.9
32	16.0	13.5	0.6	17.0	13.9	0.7	17.8	14.4	0.7	18.9	15.3	0.7	19.7	15.8	0.7	20.3	16.2	0.7	21.8	16.9	0.7	23.8	17.6	0.7
50	16.0	13.5	0.7	17.0	13.9	0.8	17.9	14.4	0.8	19.0	15.3	0.8	19.7	15.8	0.8	20.3	16.2	0.8	21.8	16.9	0.8	23.8	17.6	0.8
68	16.4	13.8	1.1	17.3	14.1	1.1	18.2	14.7	1.1	19.3	15.5	1.1	20.0	16.0	1.2	20.6	16.4	1.2	22.1	17.1	1.2	24.0	17.8	1.2
85	16.4	13.7	1.4	17.3	14.1	1.5	18.1	14.6	1.5	19.2	15.4	1.5	19.9	15.9	1.5	20.4	16.3	1.5	21.8	17.0	1.6	23.7	17.6	1.6
95	15.9	13.4	1.6	16.9	13.7	1.7	17.7	14.2	1.7	18.7	15.0	1.7	18.0	14.4	1.6	19.9	15.8	1.8	21.3	16.5	1.8	23.1	17.2	1.8
104	15.2	12.8	1.8	16.1	13.1	1.8	16.9	13.6	1.9	17.8	14.3	1.9	18.5	14.8	1.9	19.0	15.2	1.9	20.4	15.8	1.9	22.2	16.4	1.9
110	14.5	12.2	1.9	15.3	12.5	1.9	16.1	12.9	2.0	17.0	13.7	2.0	17.7	14.2	2.0	18.2	14.5	2.0	19.5	15.2	2.0	21.3	15.8	2.0
115	13.7	11.6	1.9	14.5	11.8	2.0	15.3	12.3	2.0	16.2	13.0	2.0	16.8	13.5	2.1	17.3	13.8	2.1	18.6	14.4	2.1	20.3	15.0	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	10.4	1.6	9.9	1.5	9.7	1.5	9.7	1.6	9.8	1.7	10.1	1.9
0	12.7	1.7	12.2	1.6	12.0	1.7	12.0	1.8	12.0	1.9	12.0	2.1
5	14.6	1.8	14.2	1.8	14.0	1.8	13.9	1.9	13.8	2.0	13.7	2.2
14	17.2	2.0	16.9	1.9	16.7	2.0	16.5	2.0	16.3	2.1	15.9	2.3
23	18.8	2.0	18.8	1.9	18.5	2.0	18.3	2.1	18.0	2.2	17.3	2.4
32	19.8	1.9	19.9	1.9	19.7	2.0	19.4	2.0	19.0	2.1	18.1	2.3
41	20.2	1.8	20.6	1.8	20.5	1.9	20.2	2.0	19.7	2.0	18.6	2.2
47	20.2	1.7	20.9	1.7	20.9	1.8	11.0	0.9	20.0	2.0	18.8	2.1
55	20.2	1.6	21.2	1.6	21.3	1.7	21.0	1.7	20.4	1.8	19.1	2.0
65	20.2	1.4	21.6	1.4	21.9	1.5	21.6	1.6	21.0	1.7	19.6	1.8
75.2	20.5	1.2	22.3	1.3	22.9	1.4	22.7	1.5	22.1	1.5	20.6	1.7

NOTE

- The performance table shows the average value of each conditions.

* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

2. Capacity Table

WindFree™* 3.0i

RNS24CPC+RXS24CMC (AR24CSKCPWKNCV+AR24CSFCMWKXCV)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																							
	64 / 53			68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
14	20.3	14.2	0.8	22.4	15.7	0.8	24.6	17.2	0.9	25.9	18.1	0.9	27.3	21.9	0.9	28.0	22.4	0.9	30.0	23.5	0.9	32.7	24.2	0.9
32	20.7	19.3	0.7	23.0	19.2	0.8	24.6	19.8	0.8	26.3	21.0	0.8	27.4	21.9	0.8	28.2	22.5	0.8	30.3	23.7	0.8	33.1	24.5	0.8
50	21.4	19.9	1.2	23.8	19.9	1.3	25.5	20.4	1.3	27.2	21.7	1.3	28.4	22.7	1.3	29.2	23.3	1.4	31.3	24.4	1.4	34.2	25.3	1.4
68	22.1	20.5	2.0	24.5	20.4	2.0	26.2	21.0	2.0	27.9	22.2	2.1	29.0	23.2	2.1	29.8	23.8	2.1	31.9	24.9	2.1	34.7	25.7	2.1
85	21.8	20.1	2.6	24.0	20.0	2.6	25.7	20.5	2.7	27.3	21.7	2.7	28.3	22.6	2.8	29.1	23.2	2.8	31.0	24.3	2.8	33.7	25.0	2.8
95	20.7	19.2	2.8	22.9	19.0	2.9	24.4	19.5	2.9	25.9	20.6	3.0	22.0	17.6	2.1	27.6	22.0	3.0	29.4	23.1	3.0	32.0	23.8	3.0
104	19.0	17.8	2.8	21.1	17.5	2.9	22.5	17.9	3.0	23.9	19.0	3.0	24.8	19.8	3.1	25.4	20.3	3.1	27.1	21.3	3.1	29.6	22.0	3.1
110	17.4	16.4	2.8	19.4	16.1	2.9	20.8	16.5	2.9	22.0	17.5	3.0	22.8	18.3	3.0	23.5	18.8	3.0	25.1	19.7	3.0	27.5	20.3	3.0
115	15.7	15.0	2.7	17.6	14.7	2.7	18.9	15.0	2.8	20.1	16.0	2.9	20.9	16.7	2.9	21.5	17.2	2.9	23.0	18.1	2.9	25.3	18.7	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	60		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-5	18.6	3.1	18.0	3.0	17.8	3.0	17.8	3.2	17.8	3.4	18.1	3.8
0	19.6	3.2	19.0	3.1	18.7	3.2	18.6	3.3	18.6	3.5	18.6	3.9
5	20.7	3.3	20.1	3.2	19.8	3.2	19.7	3.4	19.5	3.6	19.3	4.0
14	22.9	3.4	22.5	3.3	22.2	3.4	21.9	3.5	21.6	3.7	21.1	4.1
23	25.2	3.4	25.1	3.4	24.7	3.5	24.4	3.6	24.0	3.8	23.1	4.1
32	27.3	3.4	27.4	3.4	27.1	3.5	26.7	3.6	26.2	3.8	25.1	4.1
41	28.8	3.3	29.2	3.3	29.0	3.4	28.6	3.5	28.0	3.7	26.7	4.0
47	29.3	3.1	29.9	3.1	29.8	3.3	24.0	2.3	28.8	3.5	27.3	3.8
55	29.2	2.8	30.2	2.9	30.2	3.0	29.8	3.1	29.2	3.3	27.6	3.5
65	27.4	2.4	28.9	2.4	29.2	2.6	28.9	2.7	28.2	2.8	26.5	3.0
75.2	23.3	1.7	25.5	1.8	26.1	1.9	25.8	2.0	25.2	2.1	23.4	2.3

NOTE

- The performance table shows the average value of each conditions.

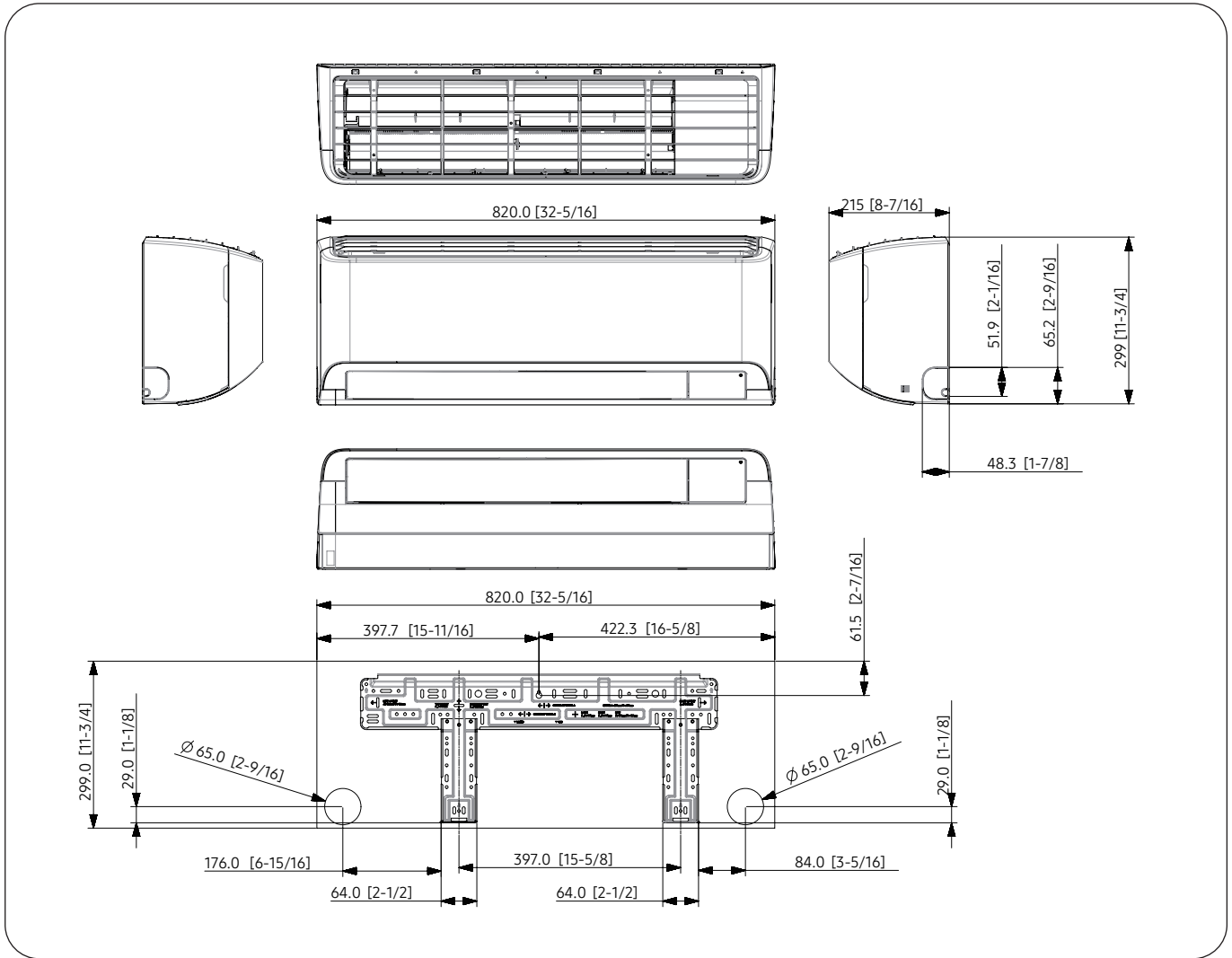
* The WindFree unit delivers an air current that is under 0.15 m/s while in WindFree 3.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

3. Dimensional Drawing

Indoor unit

RNS09CMC (AR09CSFCMWKNCV), RNS12CMC (AR12CSFCMWKNCV)

Unit: mm (inches)

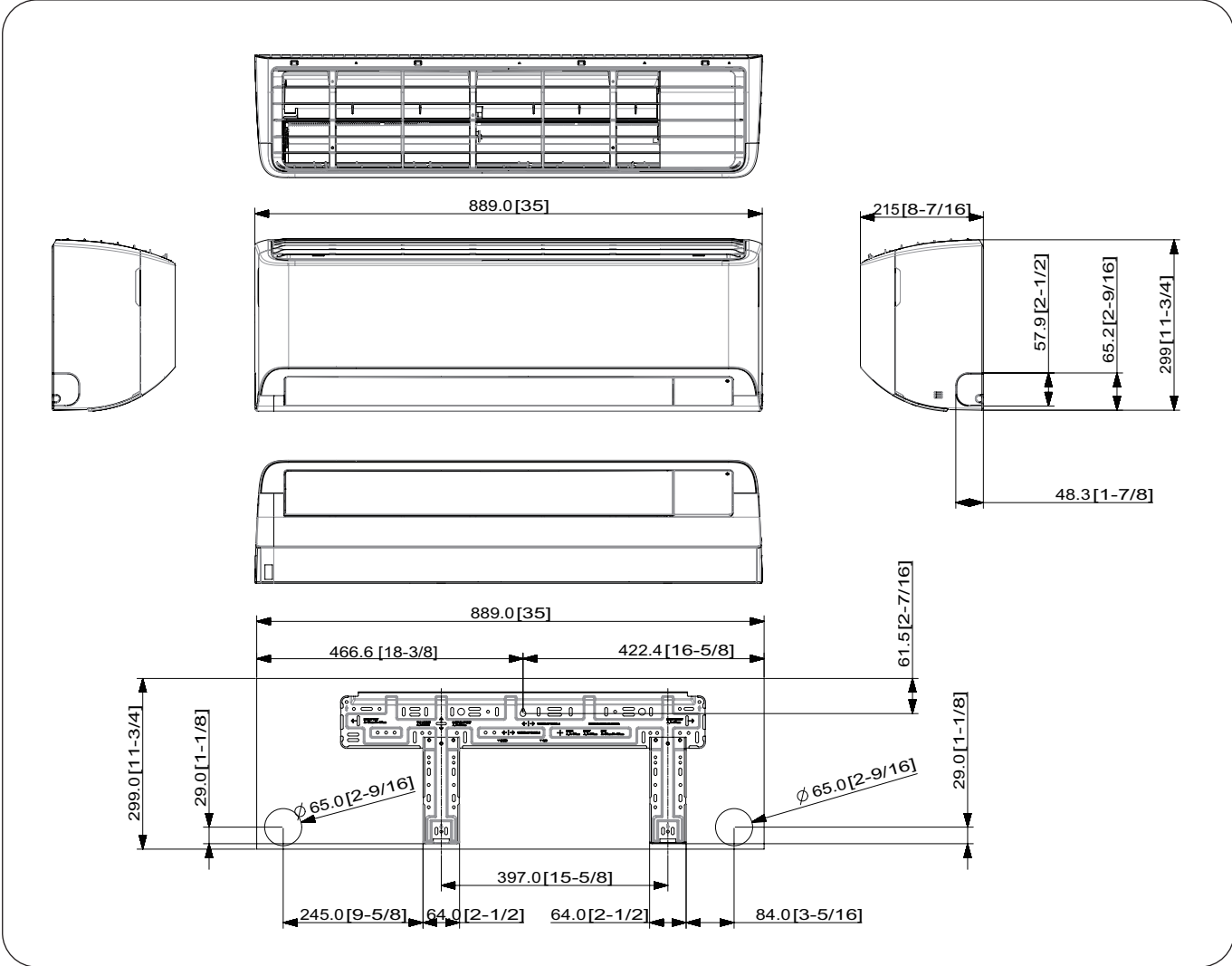


3. Dimensional Drawing

Indoor unit

RNS09ABC (AR09CSDABWKNCV), RNS12ABC (AR12CSDABWKNCV)

Unit: mm (inches)

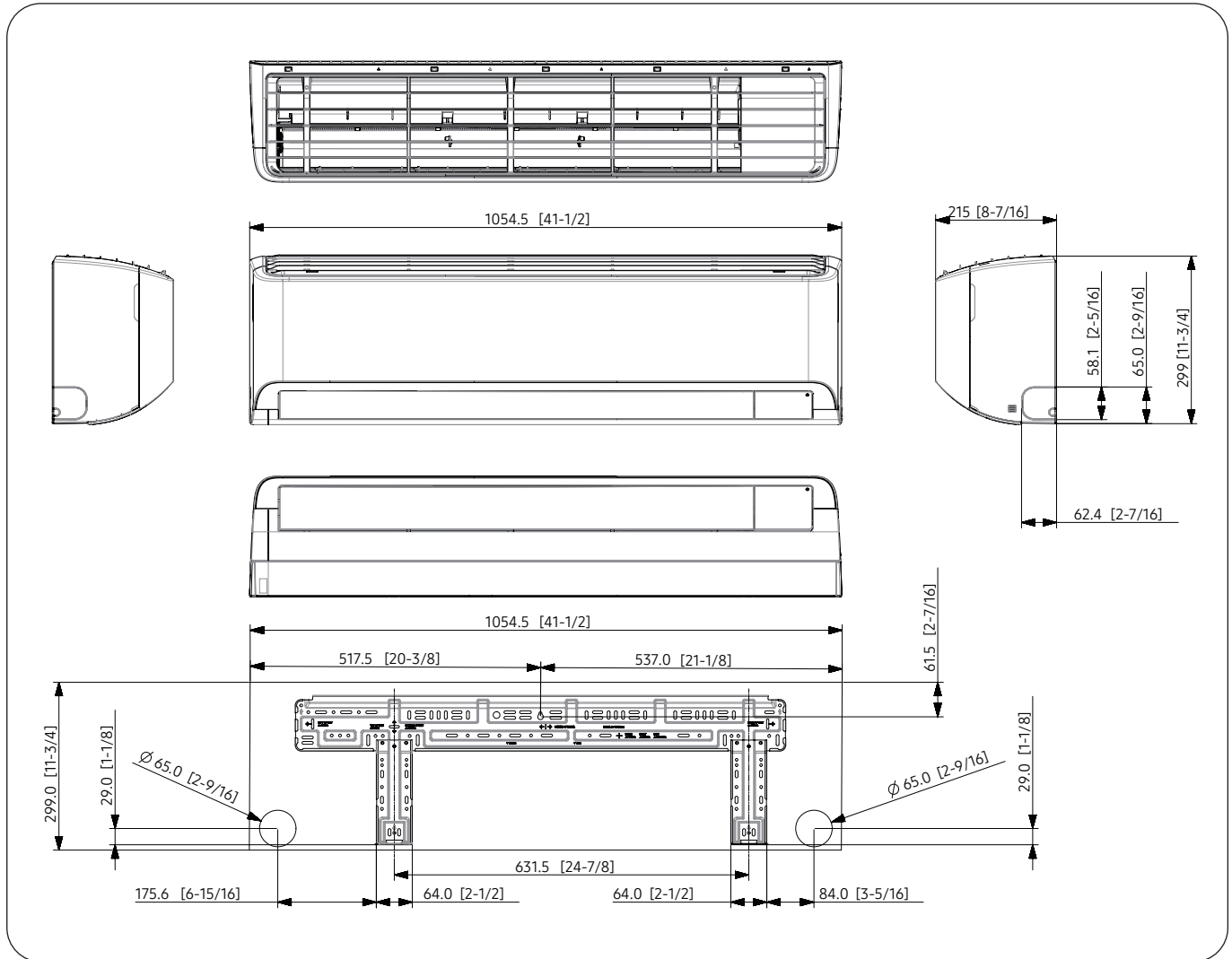


3. Dimensional Drawing

Indoor unit

RNS15ABC (AR15CSDABWKNCV), RNS18ABC (AR18CSDABWKNCV), RNS24ABC (AR24CSDABWKNCV)
RNS15CMC (AR15CSFCMWKNCV), RNS18CMC (AR18CSFCMWKNCV), RNS24CMC (AR24CSFCMWKNCV)

Unit: mm (inches)

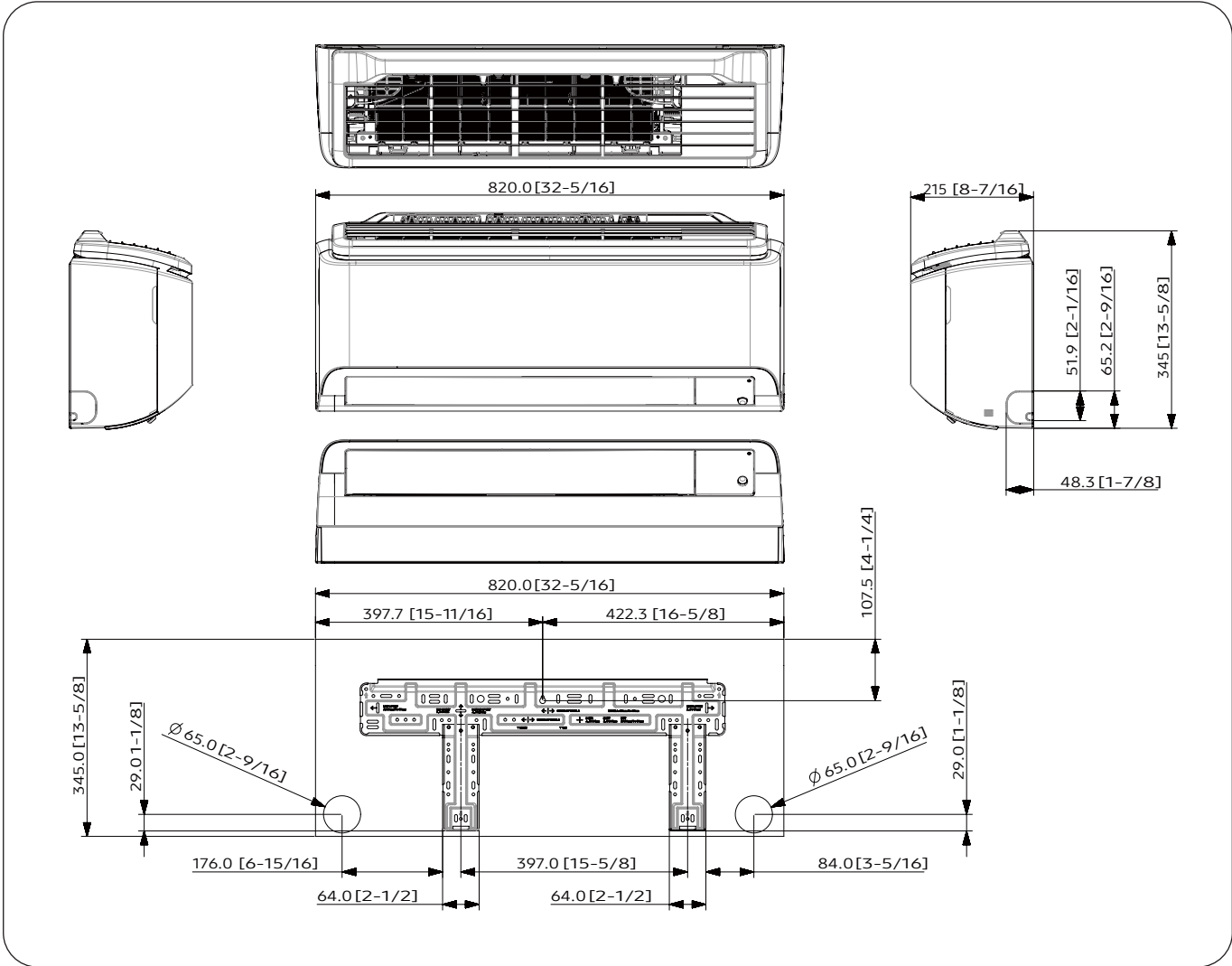


3. Dimensional Drawing

Indoor unit

RNS09CPC (AR09CSKCPWKNCV), RNS12CPC (AR12CSKCPWKNCV)

Unit: mm (inches)

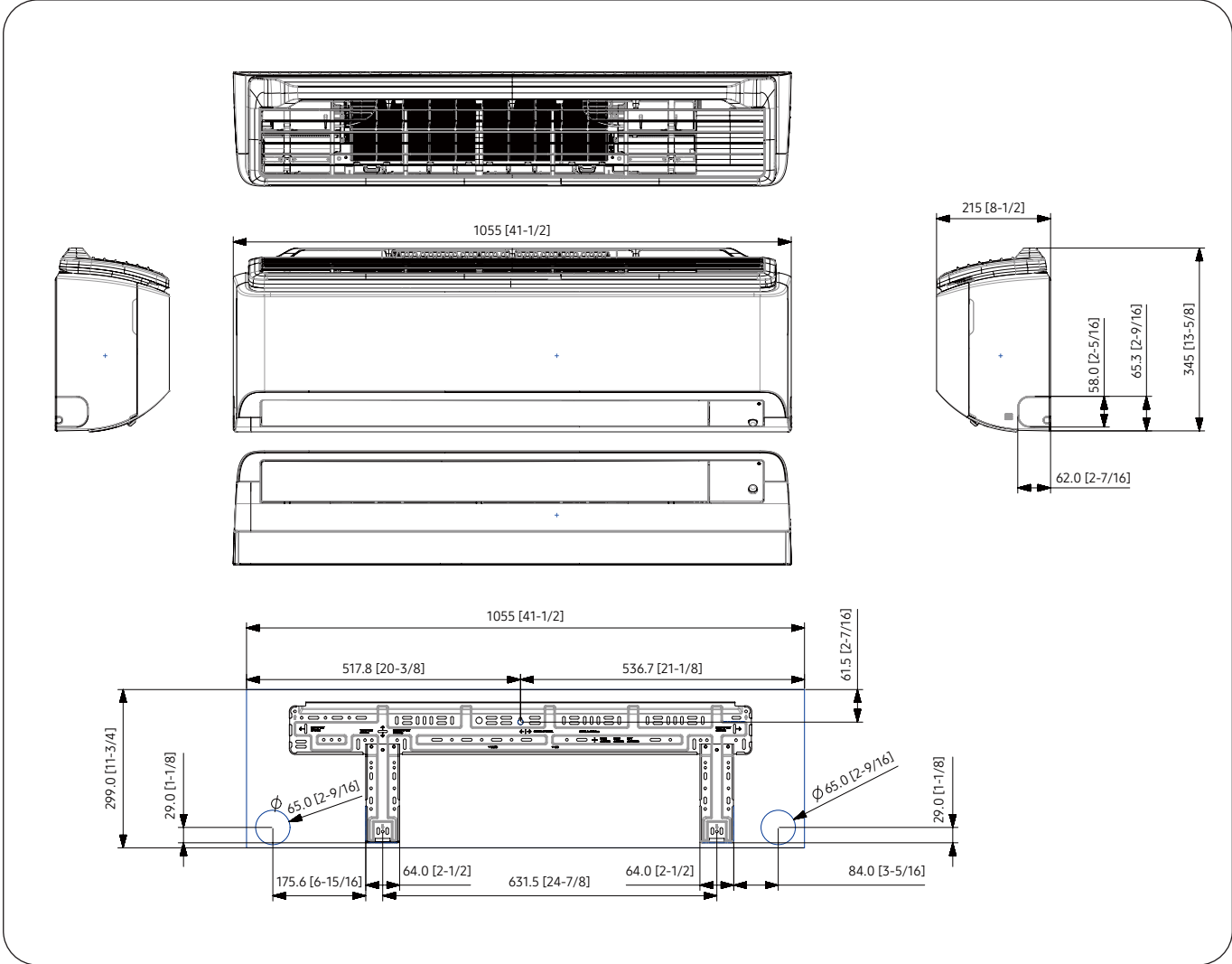


3. Dimensional Drawing

Indoor unit

RNS15CPC (AR15CSKCPWKNCV), RNS18CPC (AR18CSKCPWKNCV), RNS24CPC (AR24CSKCPWKNCV)

Unit: mm (inches)

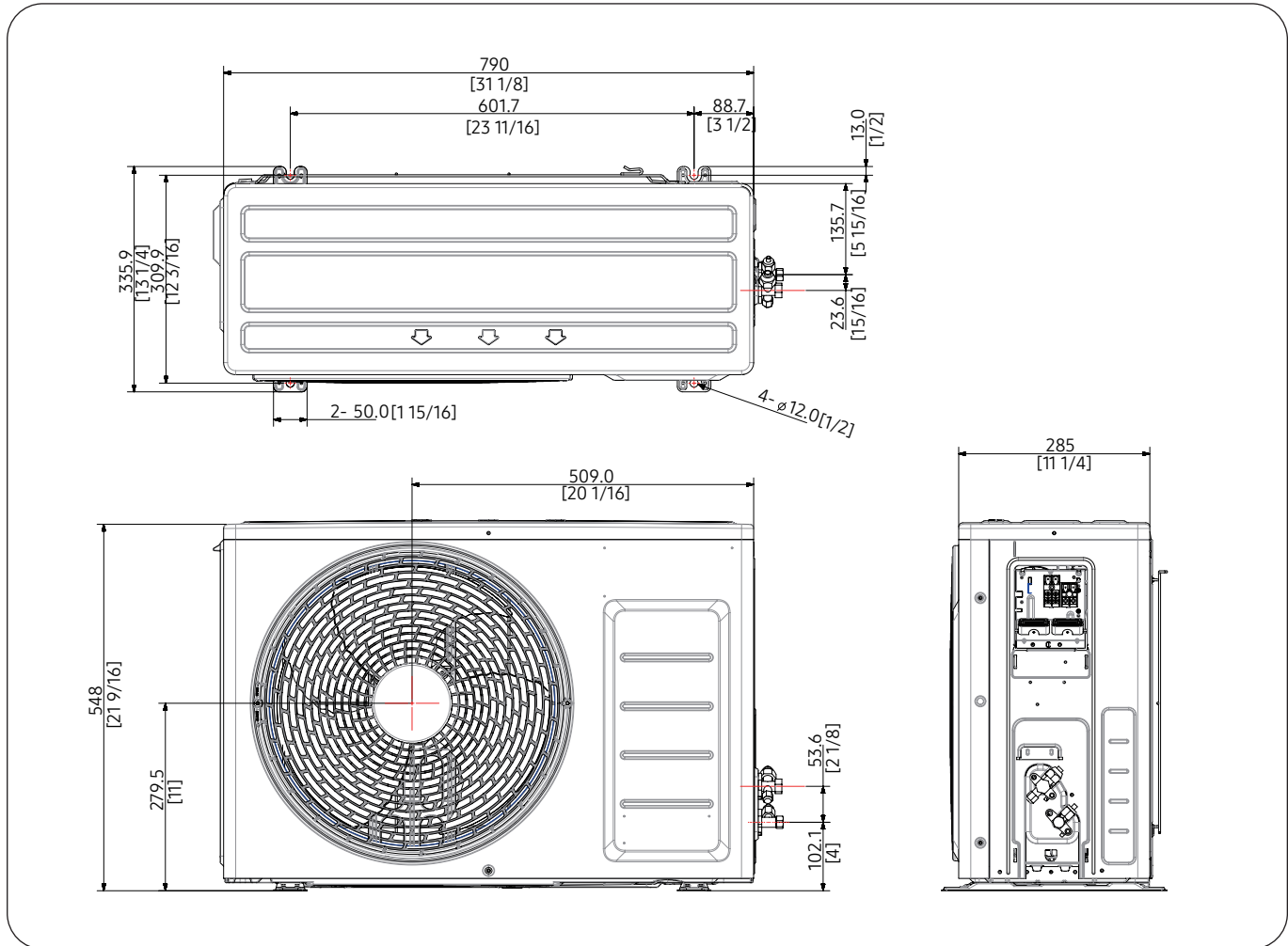


3. Dimensional Drawing

Outdoor unit

RXS09ACC (AR09CSDACWKXCV), RXS12ACC (AR12CSDACWKXCV)
RXS09ABC (AR09CSDABWKXCV), RXS12ABC (AR12CSDABWKXCV)
RXS09CMC (AR09CSFCMWKXCV), RXS12CMC (AR12CSFCMWKXCV)

Unit: mm (inches)

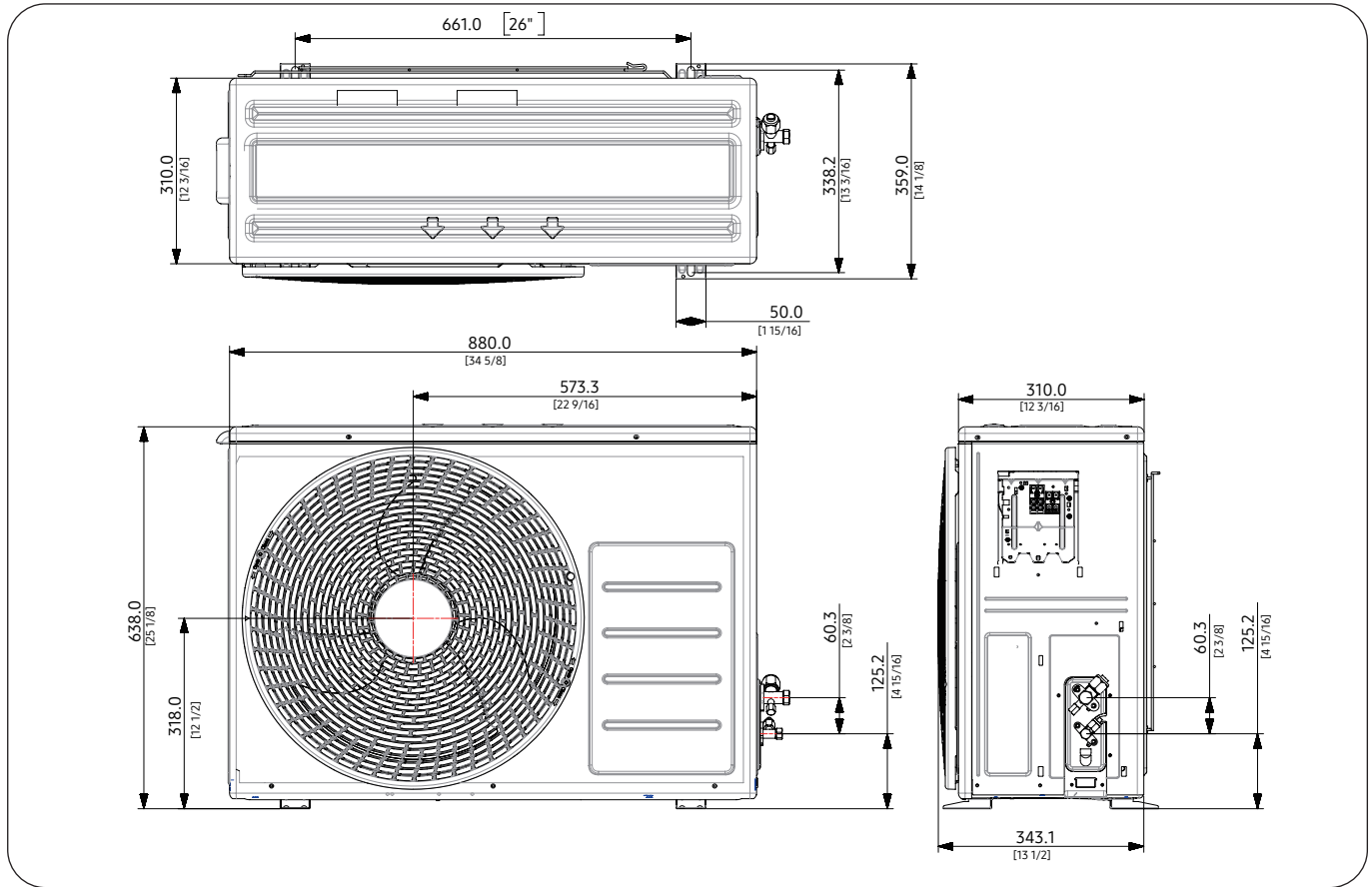


3. Dimensional Drawing

Outdoor unit

RXS15CMC (AR15CSFCMWKXCV), RXS18CMC (AR18CSFCMWKXCV)

Unit: mm (inches)

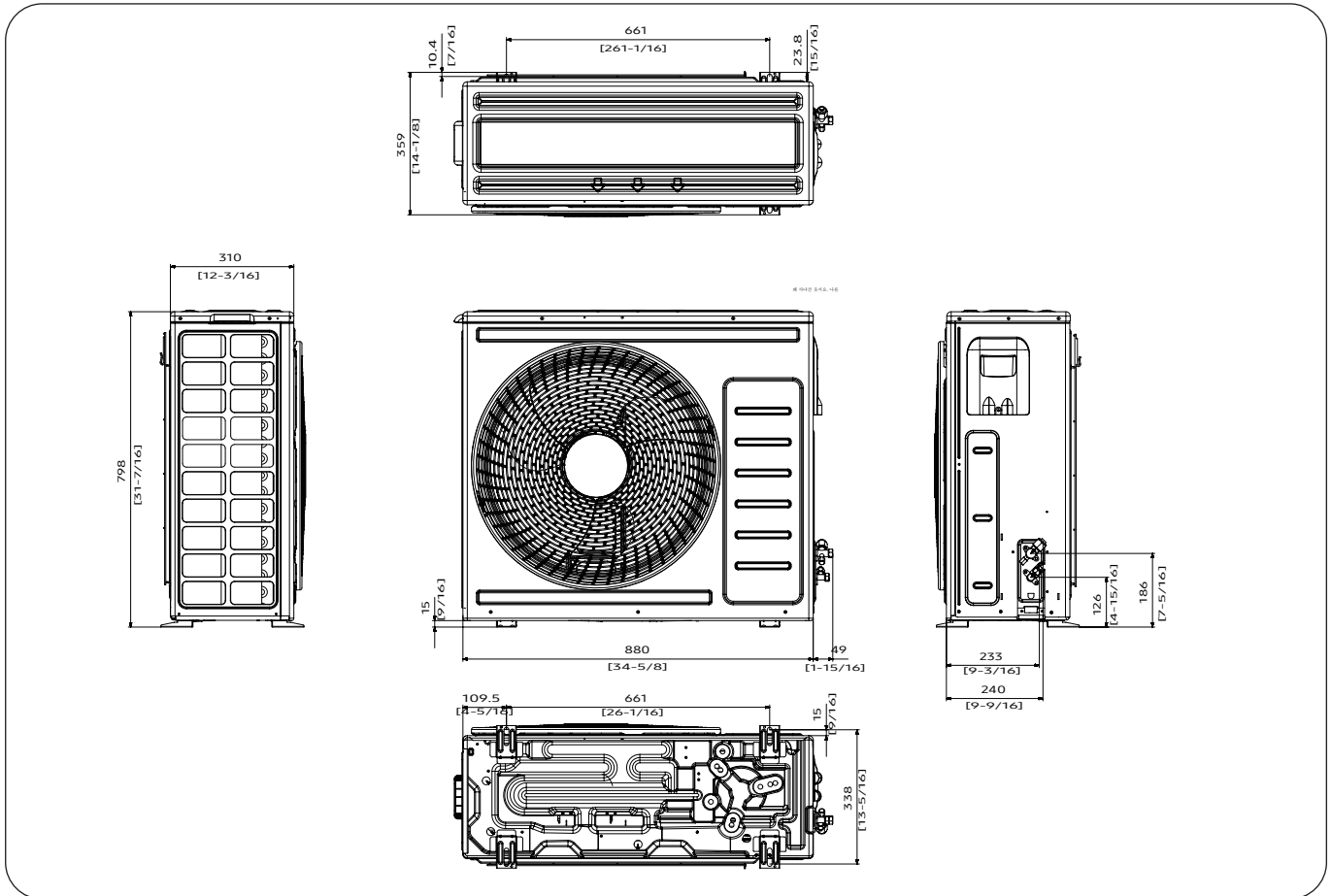


3. Dimensional Drawing

Outdoor unit

RXS15ACC (AR15CSDACWKXCV), RXS18ACC (AR18CSDACWKXCV)
RXS15ABC (AR18CSDABWKXCV), RXS18ABC (AR18CSDABWKXCV)
RXS24CMC (AR24CSFCMWKXCV)

Unit: mm (inches)

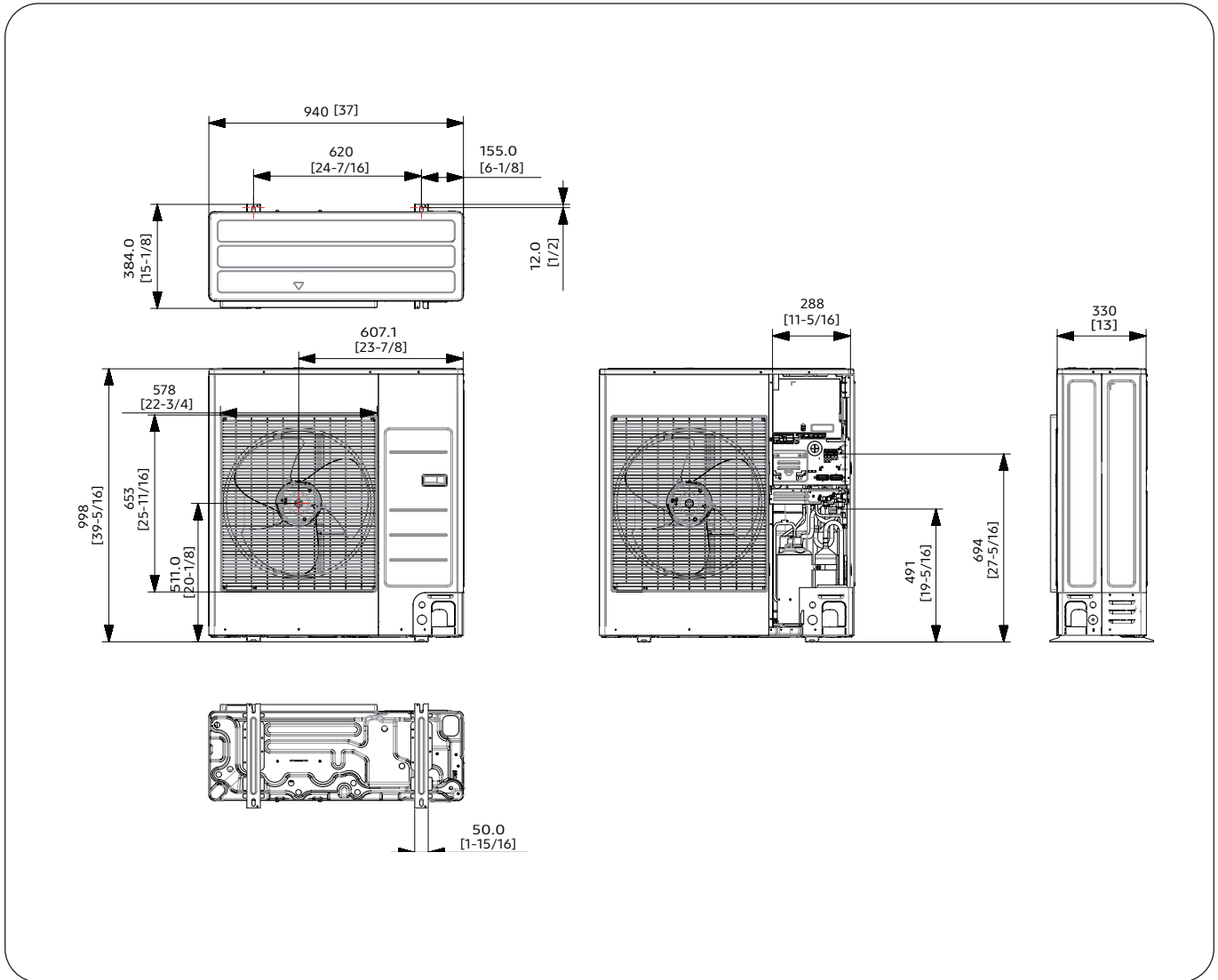


3. Dimensional Drawing

Outdoor unit

RXS24ACC (AR24CSDACWKXCV), RXS24ABC (AR24CSDABWKXCV)

Unit: mm (inches)

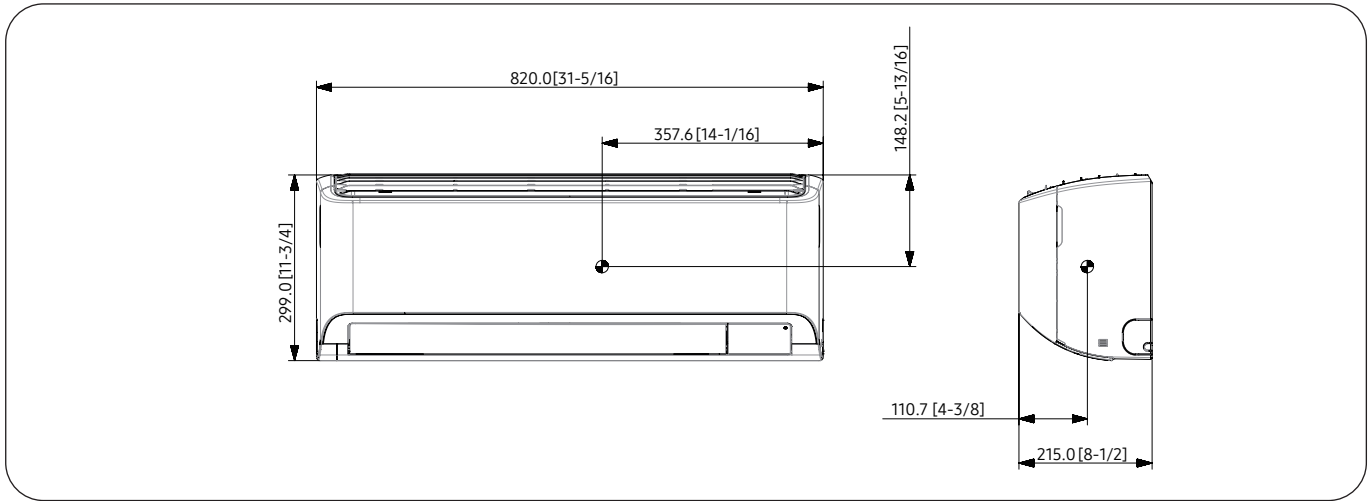


4. Center of Gravity

Indoor Unit

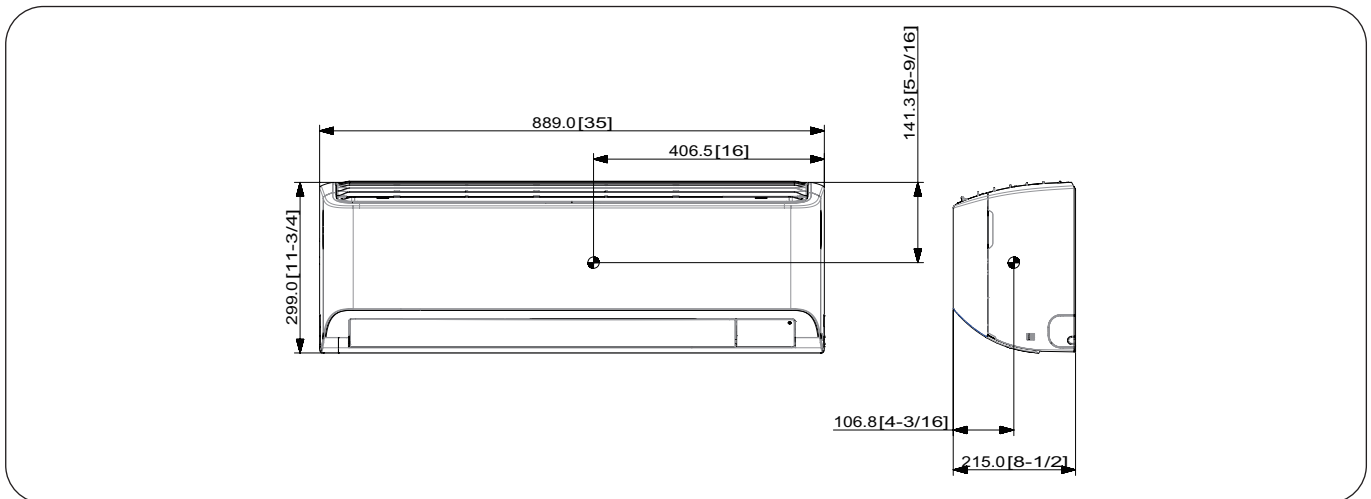
RNS09CMC (AR09CSFCMWKNCV), RNS12CMC (AR12CSFCMWKNCV)

Unit: mm (inches)



RNS09ABC (AR09CSDABWKNCV), RNS12ABC (AR12CSDABWKNCV)

Unit: mm (inches)

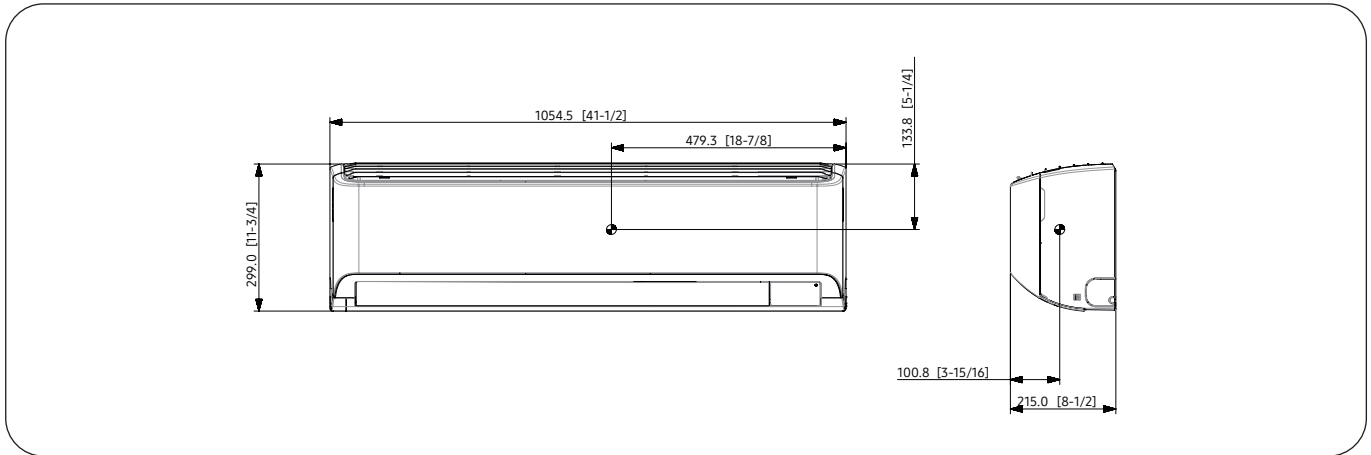


4. Center of Gravity

Indoor unit

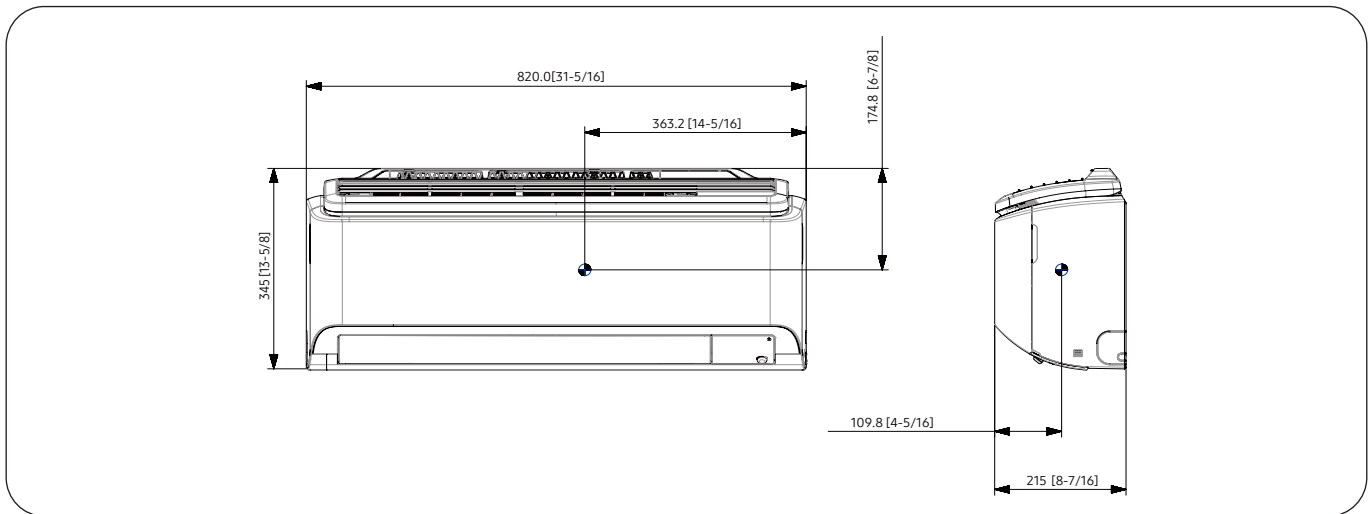
RNS15ABC (AR15CSDABWKNCV), RNS18ABC (AR18CSDABWKNCV), RNS24ABC (AR24CSDABWKNCV)
RNS15CMC (AR15CSFCMWKNCV), RNS18CMC (AR18CSFCMWKNCV), RNS24CMC (AR24CSFCMWKNCV)

Unit: mm (inches)



RNS09CPC (AR09CSKCPWKNCV), RNS12CPC (AR12CSKCPWKNCV)

Unit: mm (inches)

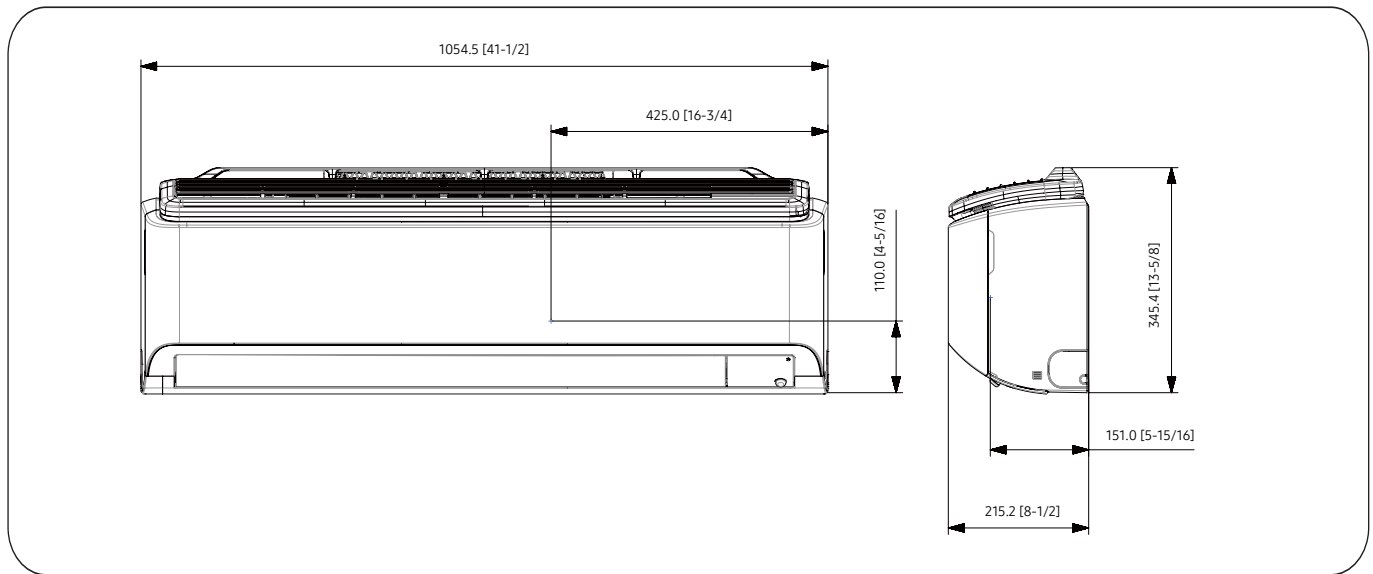


4. Center of Gravity

Indoor unit

RNS15CPC (AR15CSKCPWKNCV), RNS18CPC (AR18CSKCPWKNCV), RNS24CPC (AR24CSKCPWKNCV)

Unit: mm (inches)

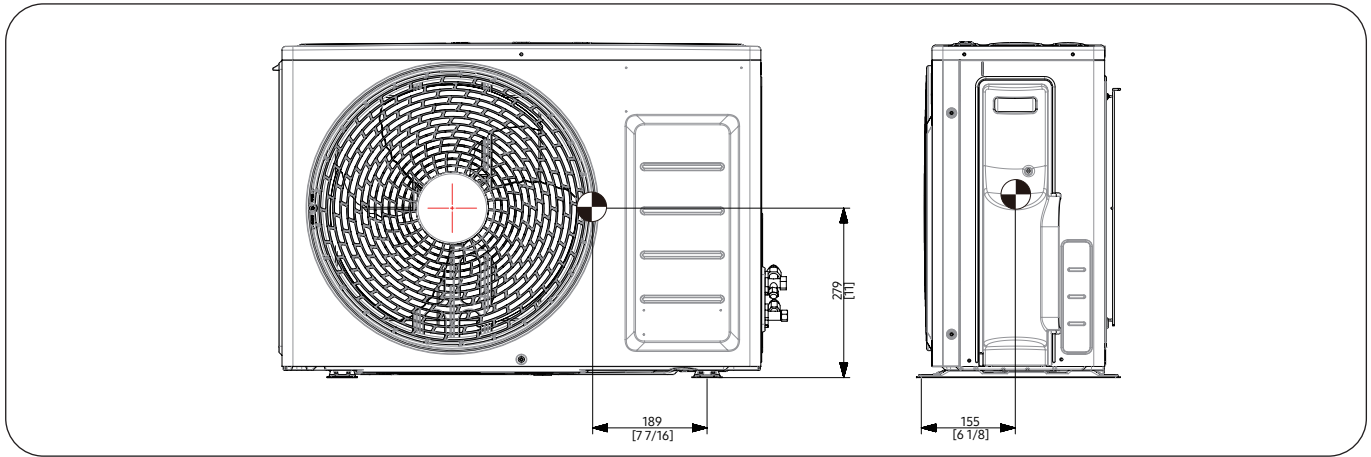


4. Center of Gravity

Outdoor Unit

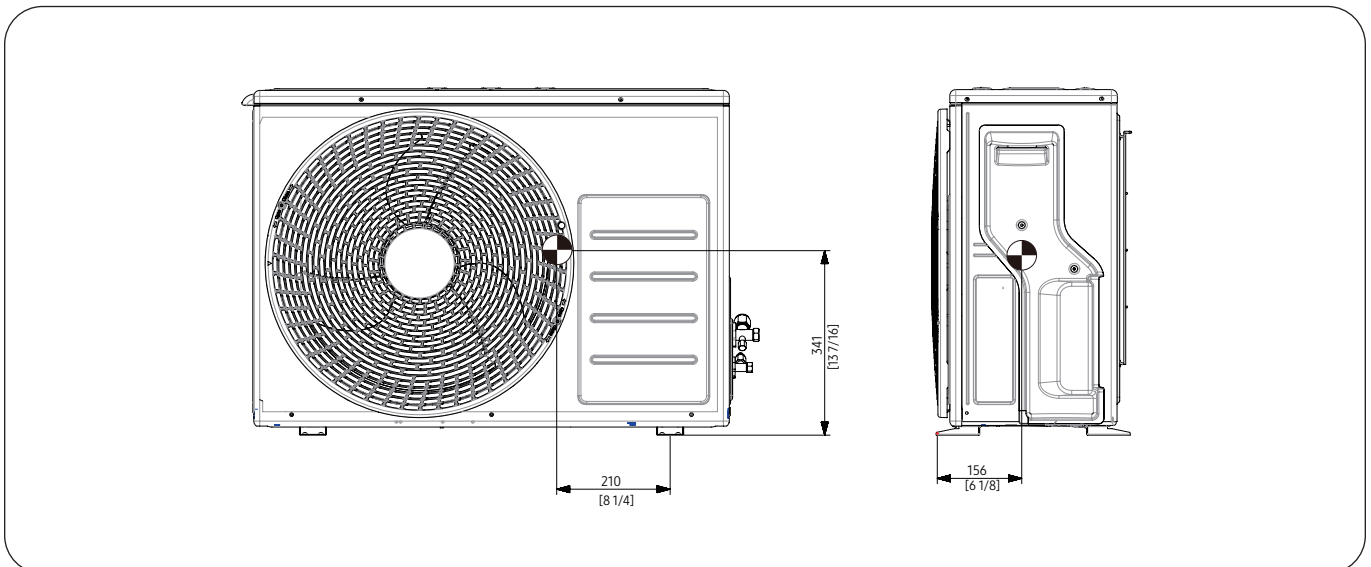
RXS09ACC (AR09CSDACWKXCV), RXS12ACC (AR12CSDACWKXCV)
RXS09ABC (AR09CSDABWKXCV), RXS12ABC (AR12CSDABWKXCV)
RXS09CMC (AR09CSFCMWKXCV), RXS12CMC (AR12CSFCMWKXCV)

Unit: mm (inches)



RXS15CMC (AR15CSFCMWKXCV), RXS18CMC (AR18CSFCMWKXCV)

Unit: mm (inches)

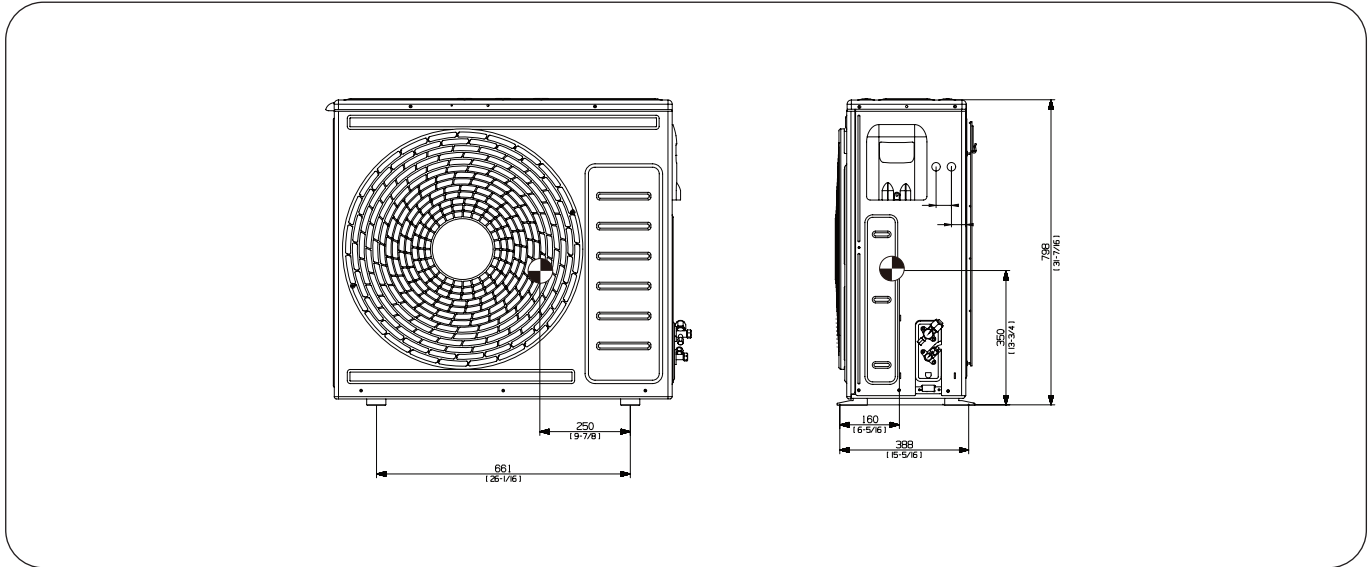


4. Center of Gravity

Outdoor Unit

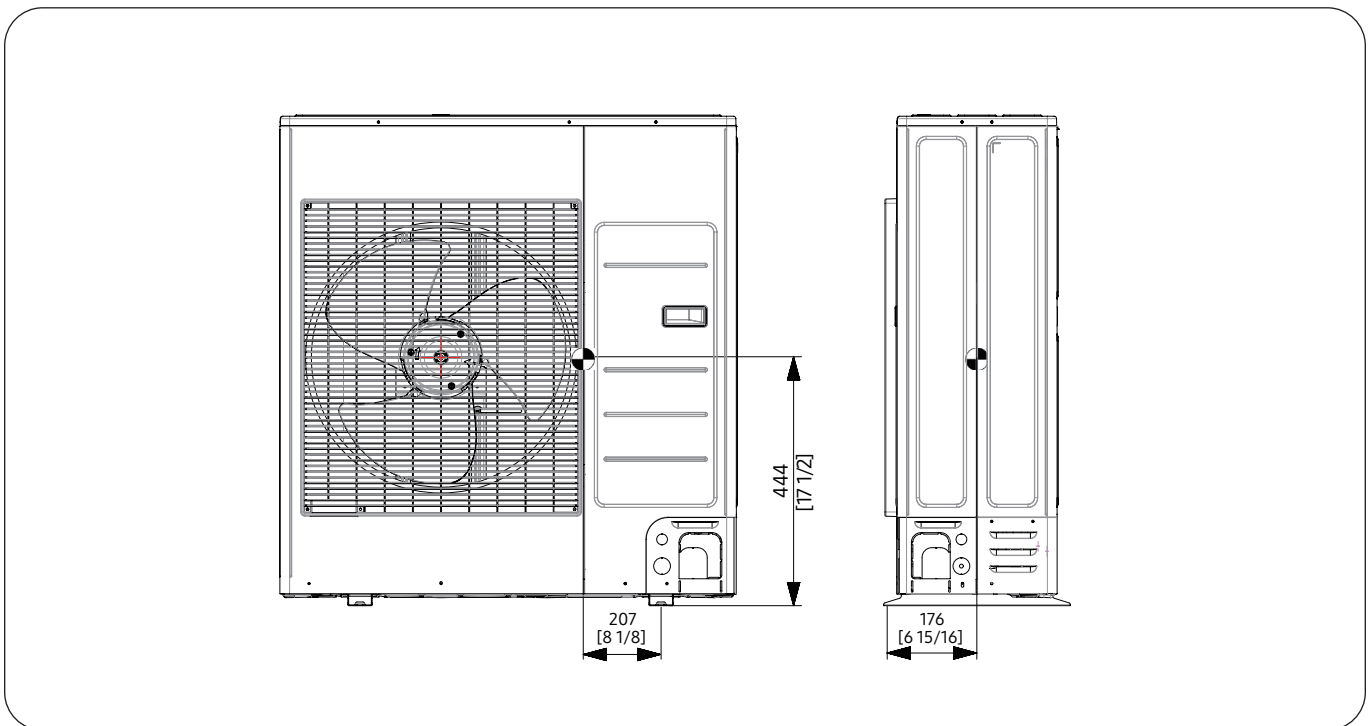
RXS15ACC (AR15CSDACWKXCV), RXS18ACC (AR18CSDACWKXCV)
RXS15ABC (AR18CSDABWKXCV), RXS18ABC (AR18CSDABWKXCV)
RXS24CMC (AR24CSFCMWKXCV)

Unit: mm (inches)



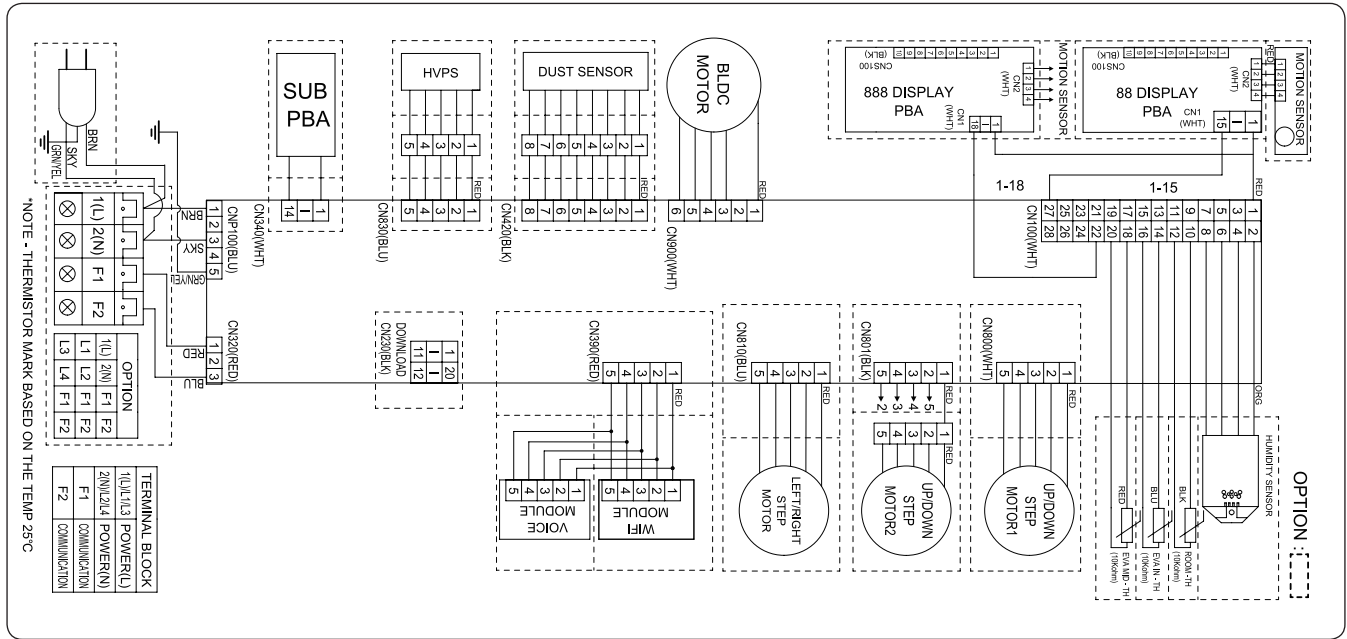
RXS24ACC (AR24CSDACWKXCV), RXS24ABC (AR24CSDABWKXCV)

Unit: mm (inches)



5. Electrical Wiring Diagram

Indoor unit



MOTION SENSOR	SENSOR(MOTION)	DISPLAY	Printed circuit board(DISPLAY BOARD)	DUST SNEOR	SENSOR(DUST)
ROOM TH	Thermistor(Room Temp._10Kohm)	BLDC	Motor(BLDC FAN MOTOR)	HVPS	LOAD(HVPS MODULE)
EVA MID - TH	Thermistor(EVA MID Temp._10Kohm)	UP/DOWN STEP MOTOR1	Motor(STEP MOTOR)	WIFI MODULE	LOAD(WIFI MODULE)
EVA IN -TH	Thermistor(EVA IN Temp._10Kohm)	UP/DOWN STEP MOTOR2	Motor(STEP MOTOR)	SUB PBA	Printed circuit board(SUB BOARD)
HUMIDITY SENSOR	SENSOR(HUMIDITY)	LEFT/RIGHT STEP MOTOR	Motor(STEP MOTOR)		

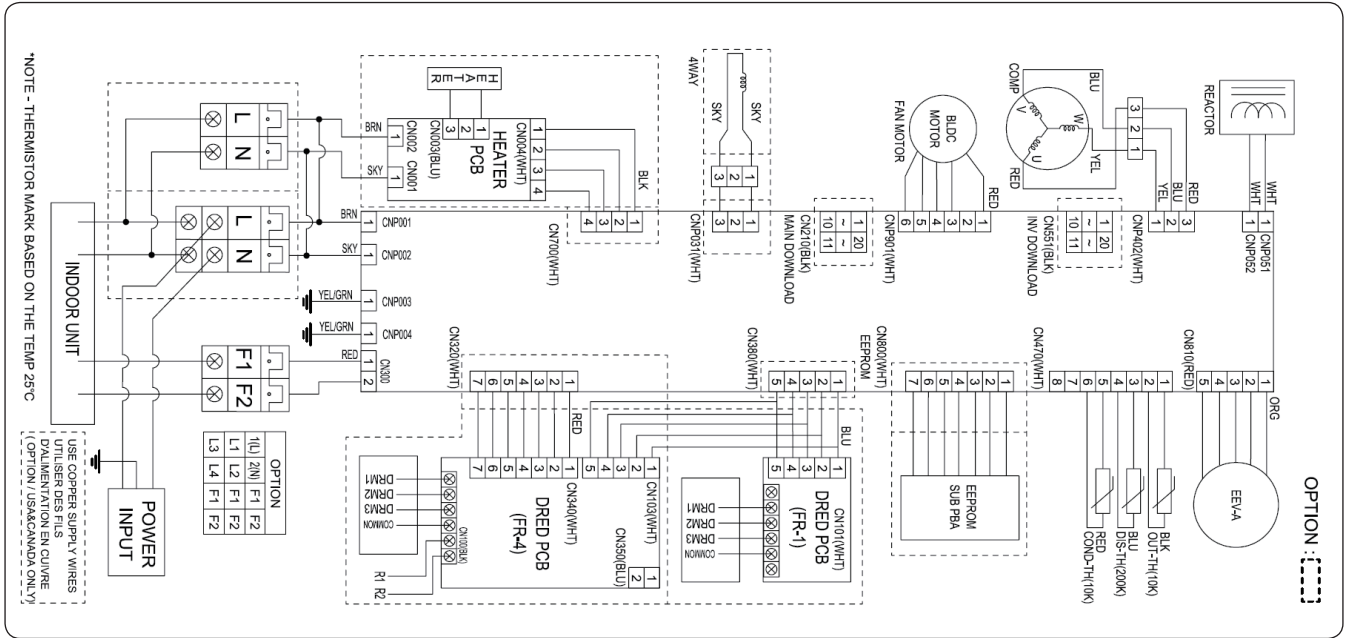
NOTE

- This wiring diagram applies only to the indoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Protective: Protective earth(screw)

5. Electrical Wiring Diagram

Outdoor unit

RXS09ACC (AR09CSDACWKXCV), RXS12ACC (AR12CSDACWKXCV), RXS09ABC (AR09CSDABWKXCV), RXS12ABC (AR12CSDABWKXCV), RXS09CMC (AR09CSFCMWKXCV), RXS12CMC (AR12CSFCMWKXCV), RXS15CMC (AR15CSFCMWKXCV), RXS18CMC (AR18CSFCMWKXCV)



DRED	Printed circuit board(DRED PCB)	DIS-TH	Thermistor(Discharge Temp._200Kohm)
REACTOR	REACTOR	OUT-TH	Thermistor(AmbientTemp._10Kohm)
EEPROM	Printed circuit board(EEPROM PCB)	COND-TH	Thermistor(Cond Out Temp._10Kohm)
COMP	COMPRESSOR	BLDC	Motor(BLDC FAN Motor)
HEATER	Printed circuit board(HEATER PCB)	EEV-A	Electronic expansion valve A
4-WAY VALVE	4-WAY VALVE		

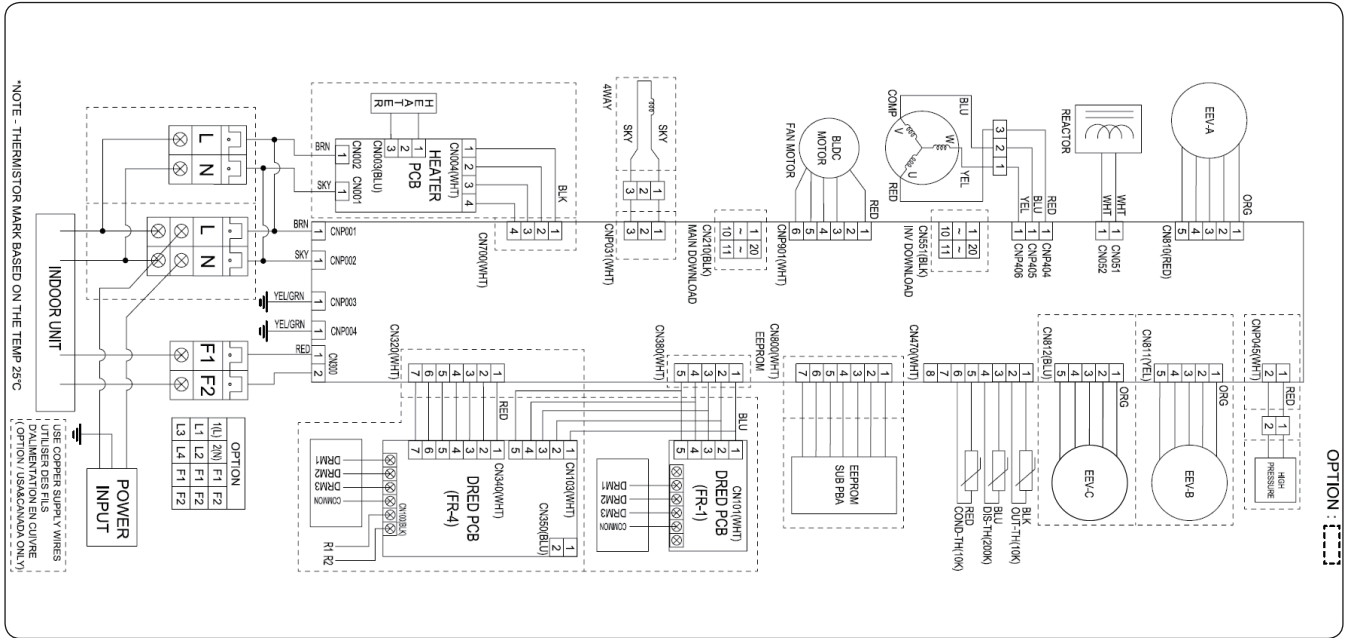
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Protective: Protective earth(screw)

5. Electrical Wiring Diagram

Outdoor unit

RXS15ACC (AR15CSDACWKXCV), RXS18ACC (AR18CSDACWKXCV), RXS24ACC (AR24CSDACWKXCV),
 RXS15ABC (AR15CSDABWKXCV), RXS18ABC (AR18CSDABWKXCV), RXS24ABC (AR24CSDABWKXCV),
 RXS24CMC (AR24CSFCMWKXCV)



DRED	Printed circuit board(DRED PCB)	DIS-TH	Thermistor (Discharge Temp._200Kohm)	EEV-C	Electronic expansion valve C
REACTOR	REACTOR	OUT-TH	Thermistor (AmbientTemp._10Kohm)	EEV-A	Electronic expansion valve A
EEPROM	Printed circuit board(EEPROM PCB)	COND-TH	Thermistor (Cond Out Temp._10Kohm)	EEV-B	Electronic expansion valve B
COMP	COMPRESSOR	BLDC	Motor(BLDC FAN Motor)	HIGH PRESSURE	PRESSURE SWITCH
HEATER	Printed circuit board(HEATER PCB)	4-WAY VALVE	4WAY VALVE		

NOTE

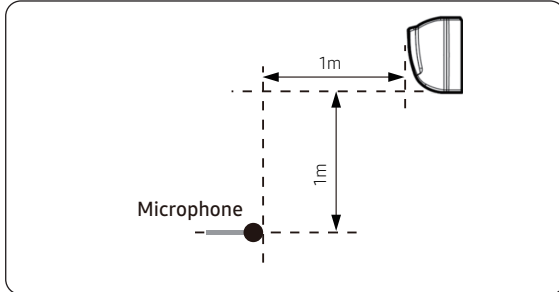
- This wiring diagram applies only to the outdoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT:white
- Protective: Protective earth(screw)

6. Sound Data

Indoor unit : Max Heat® 3.0, WindFree™* 3.0

Sound Pressure level

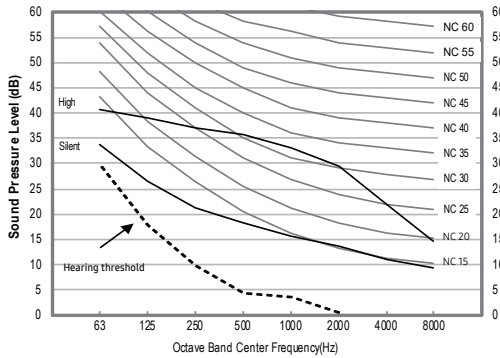
Unit: dB(A)



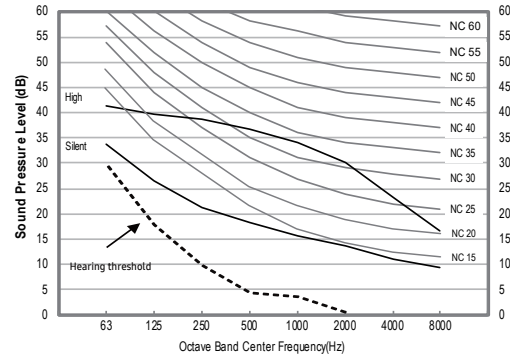
Model	Cooling	
	High	Silent
RNS09ABC (AR09CSDABWKNVCV)	38	22
RNS12ABC (AR12CSDABWKNVCV)	39	22
RNS15ABC (AR15CSDABWKNVCV)	41	25
RNS18ABC (AR18CSDABWKNVCV)	42	25

- NC Curve

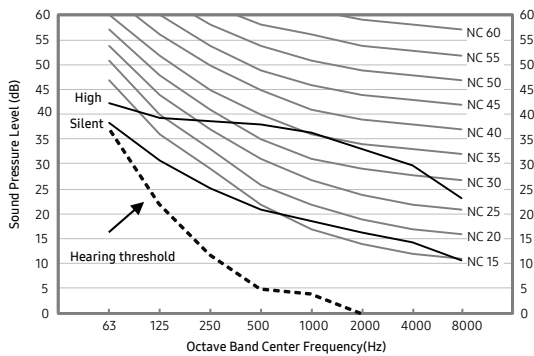
1) RNS09ABC (AR09CSDABWKNVCV)



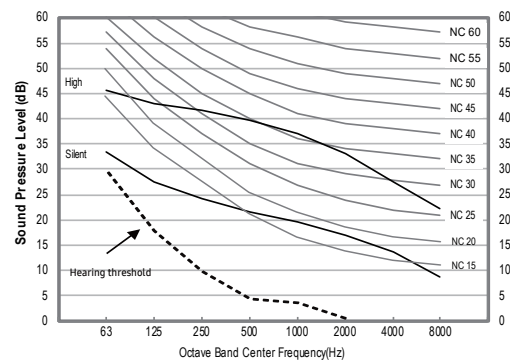
2) RNS12ABC (AR12CSDABWKNVCV)



3) RNS15ABC (AR15CSDABWKNVCV)



3) RNS18ABC (AR18CSDABWKNVCV)



NOTE

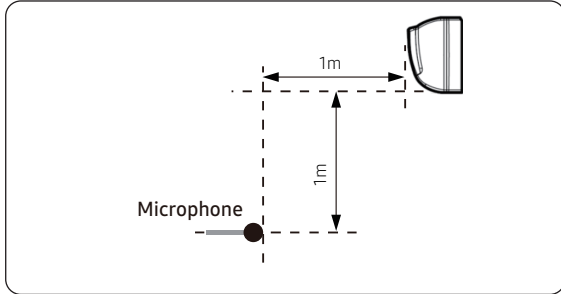
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit : Max Heat® 3.0, WindFree™* 3.0

Sound Pressure level

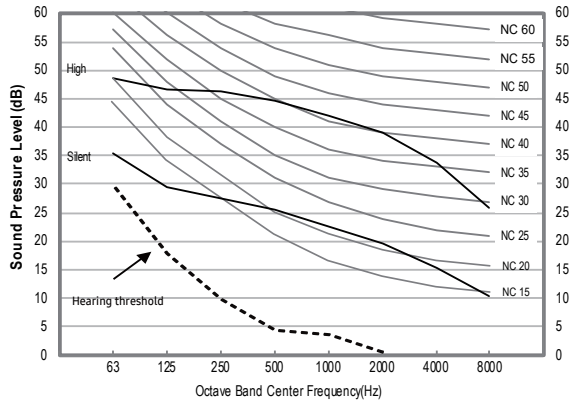
Unit: dB(A)



Model	Cooling	
	High	Silent
RNS24ABC (AR24CSDABWKNCV)	47	28

- NC Curve

1) RNS24ABC (AR24CSDABWKNCV)



NOTE

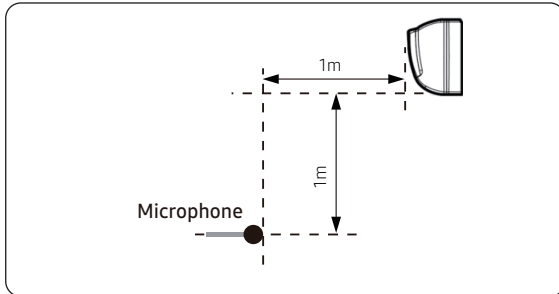
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit : WindFree™* 3.0e

Sound Pressure level

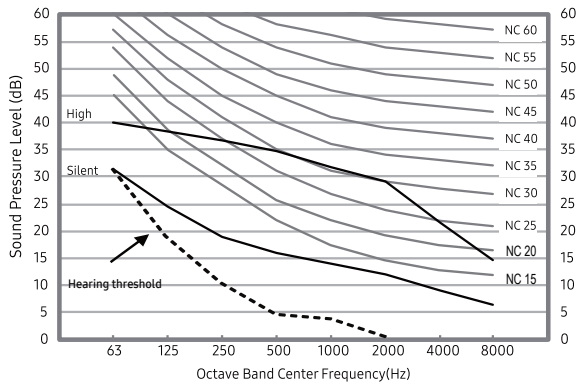
Unit: dB(A)



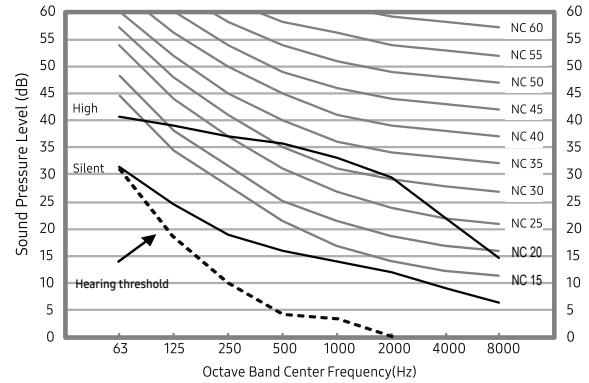
Model	Cooling	
	High	Silent
RNS09CMC (AR09CSFCMWKNCV)	37	20
RNS12CMC (AR12CSFCMWKNCV)	38	20
RNS15CMC (AR15CSFCMWKNCV)	41	27
RNS18CMC (AR18CSFCMWKNCV)	41	27

- NC Curve

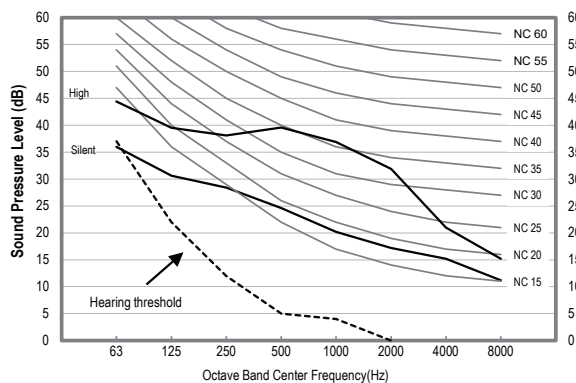
1) RNS09CMC (AR09CSFCMWKNCV)



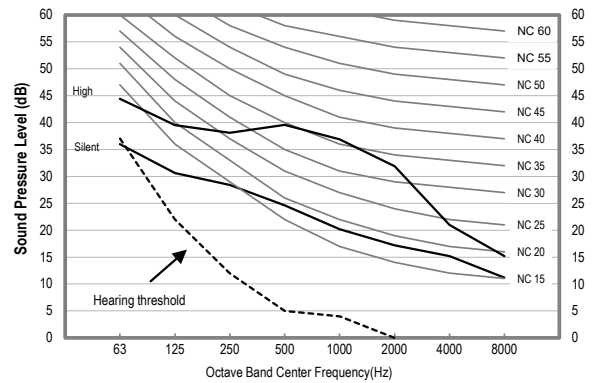
2) RNS12CMC (AR12CSFCMWKNCV)



3) RNS15CMC (AR15CSFCMWKNCV)



4) RNS18CMC (AR18CSFCMWKNCV)



NOTE

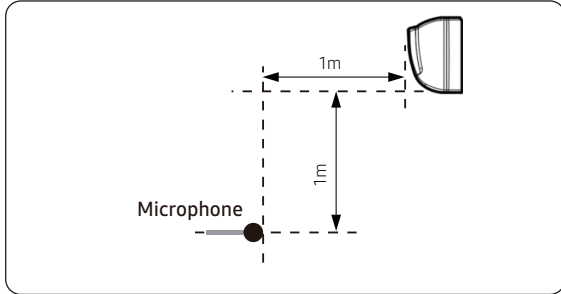
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit : WindFree™* 3.0e

Sound Pressure level

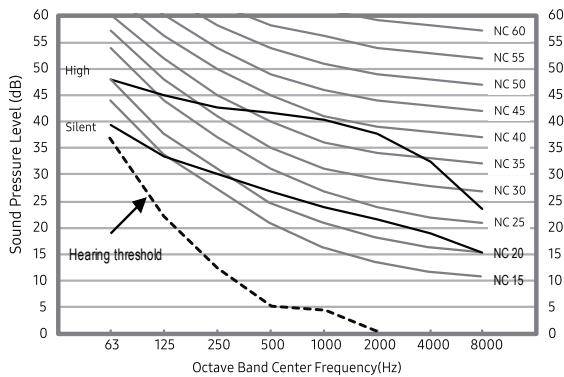
Unit: dB(A)



Model	Cooling	
	High	Silent
RNS24CMC (AR24CSFCMWKNCV)	45	30

- NC Curve

1) RNS24CMC (AR24CSFCMWKNCV)



NOTE

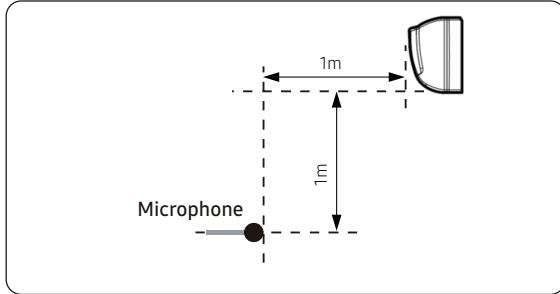
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit : WindFree™* 3.0i

Sound Pressure level

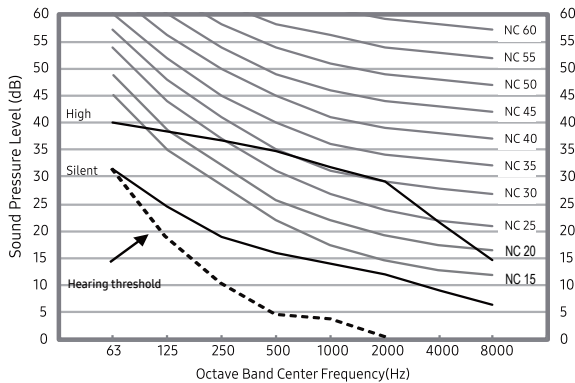
Unit: dB(A)



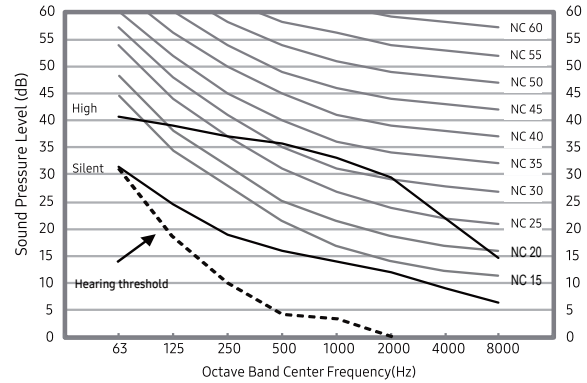
Model	Cooling	
	High	Silent
RNS09CPC (AR09CSKCPWKNCV)	37	20
RNS12CPC (AR12CSKCPWKNCV)	38	20
RNS15CPC (AR15CSKCPWKNCV)	41	27
RNS18CPC (AR18CSKCPWKNCV)	41	27

- NC Curve

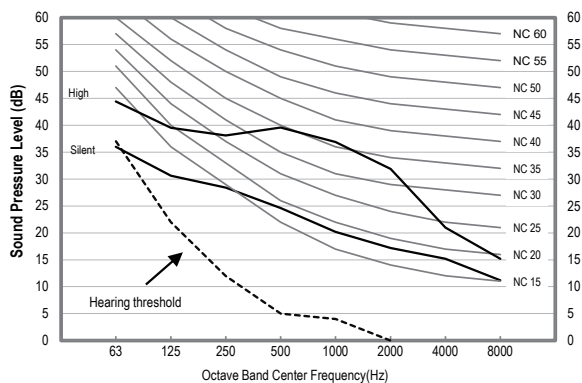
1) RNS09CPC (AR09CSKCPWKNCV)



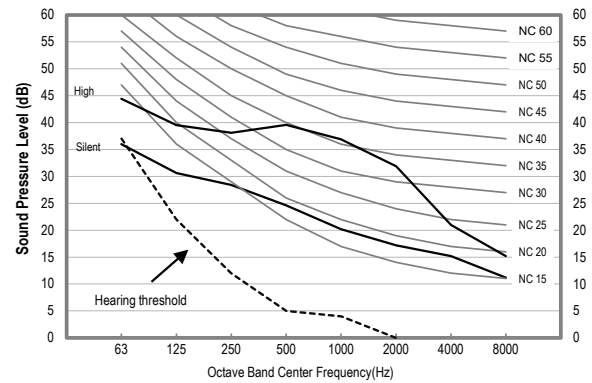
2) RNS12CPC (AR12CSKCPWKNCV)



3) RNS15CPC (AR15CSKCPWKNCV)



4) RNS18CPC (AR18CSKCPWKNCV)



NOTE

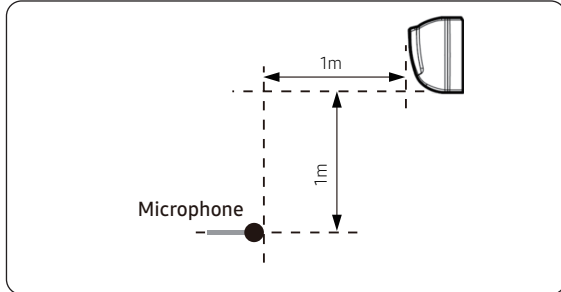
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit : WindFree™* 3.0i

Sound Pressure level

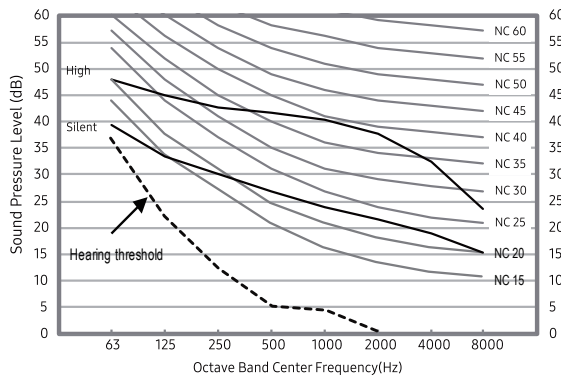
Unit: dB(A)



Model	Cooling	
	High	Silent
RNS24CPC (AR24CSKCPWKNCV)	45	30

- NC Curve

1) RNS24CPC (AR24CSKCPWKNCV)



NOTE

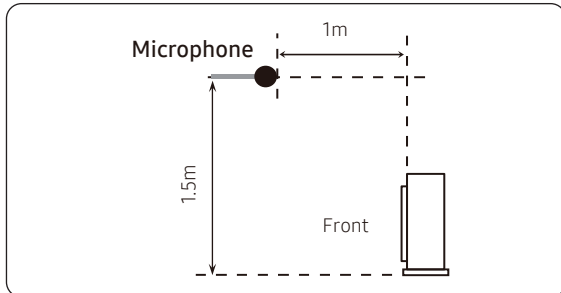
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : Max Heat® 3.0

Sound Pressure level

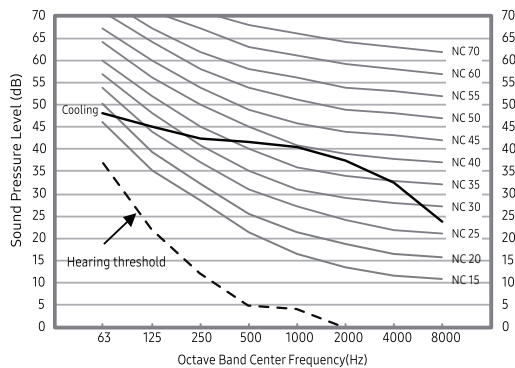
Unit: dB(A)



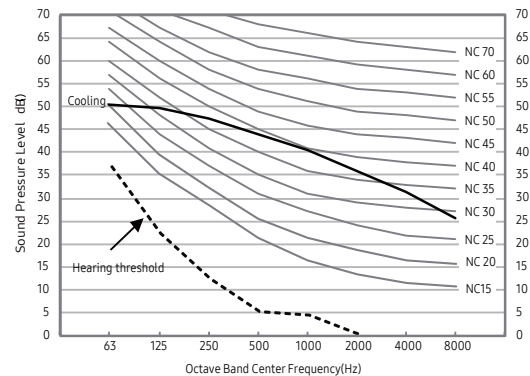
Model	Cooling
RXS09ACC (AR09CSDACWKXCV)	45
RXS12ACC (AR12CSDACWKXCV)	46
RXS15ACC (AR15CSDACWKXCV)	48
RXS18ACC (AR18CSDACWKXCV)	51

- NC Curve

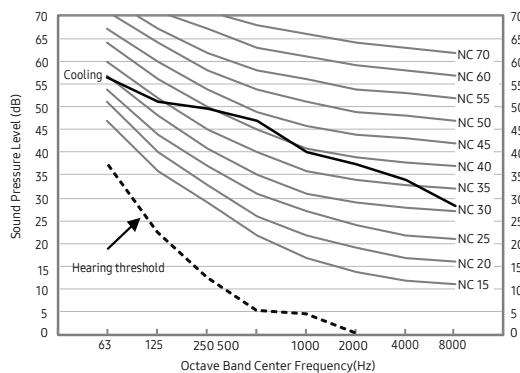
1) RXS09ACC (AR09CSDACWKXCV)



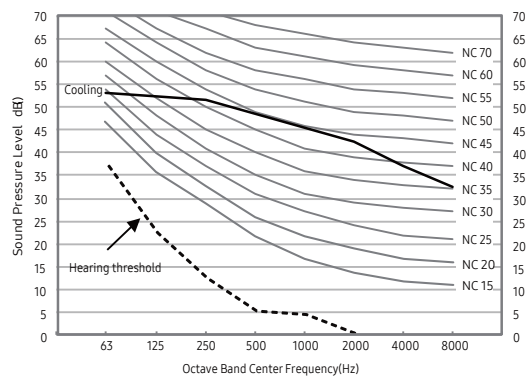
2) RXS12ACC (AR12CSDACWKXCV)



3) RXS15ACC (AR15CSDACWKXCV)



4) RXS18ACC (AR18CSDACWKXCV)



NOTE

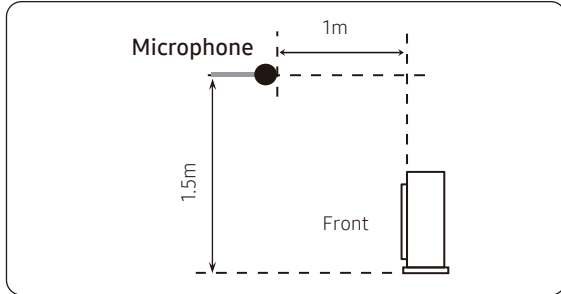
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : Max Heat® 3.0

Sound Pressure level

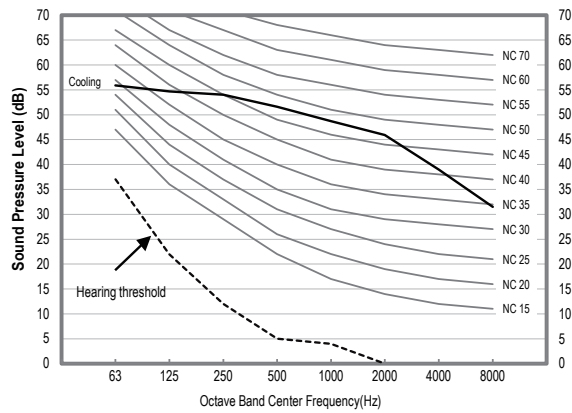
Unit: dB(A)



Model	Cooling
RXS24ACC (AR24CSDACWKXCV)	54

- NC Curve

1) RXS24ACC (AR24CSDACWKXCV)



NOTE

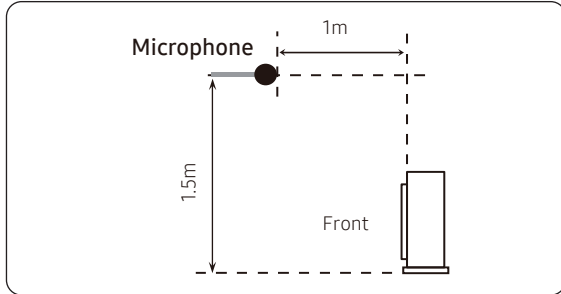
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : WindFree™* 3.0

Sound Pressure level

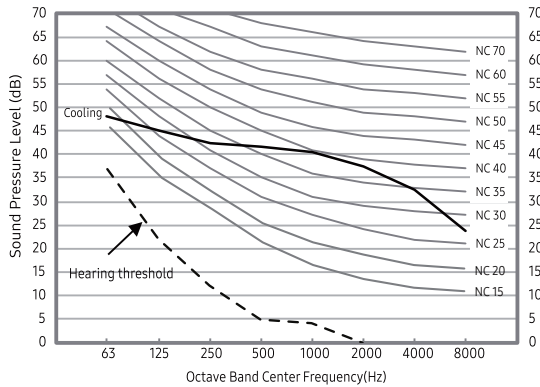
Unit: dB(A)



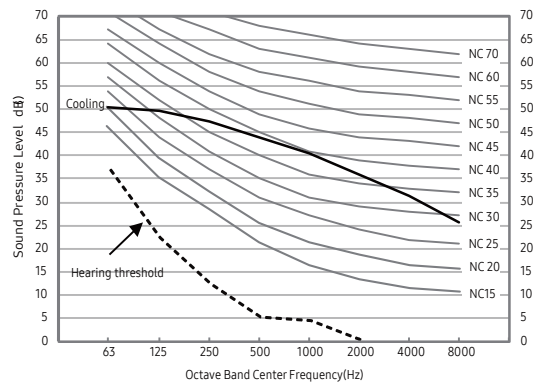
Model	Cooling
RXS09ABC (AR09CSDABWKXCV)	45
RXS12ABC (AR12CSDABWKXCV)	46
RXS15ABC (AR15CSDABWKXCV)	48
RXS18ABC (AR18CSDABWKXCV)	51

- NC Curve

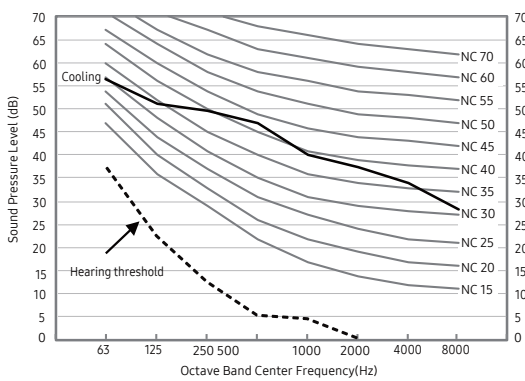
1) RXS09ABC (AR09CSDABWKXCV)



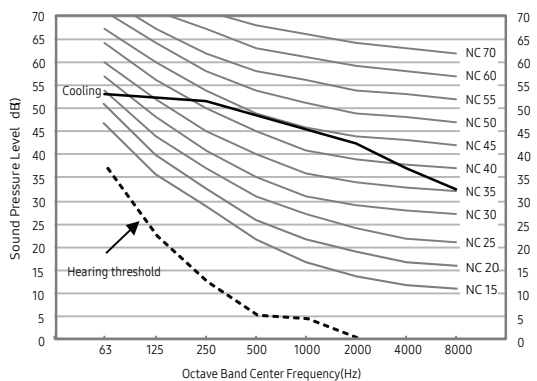
2) RXS12ABC (AR12CSDABWKXCV)



3) RXS15ABC (AR15CSDABWKXCV)



3) RXS18ABC (AR18CSDABWKXCV)



NOTE

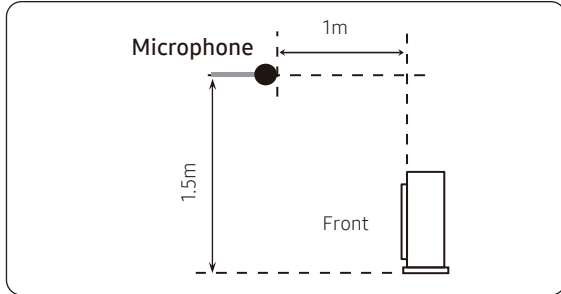
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : WindFree™* 3.0

Sound Pressure level

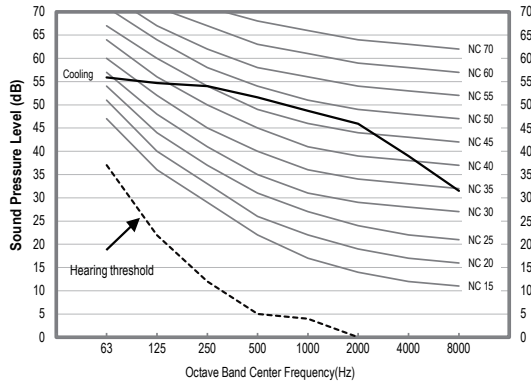
Unit: dB(A)



Model	Cooling
RXS24ABC (AR24CSDABWKXCV)	54

- NC Curve

1) RXS24ABC (AR24CSDABWKXCV)



NOTE

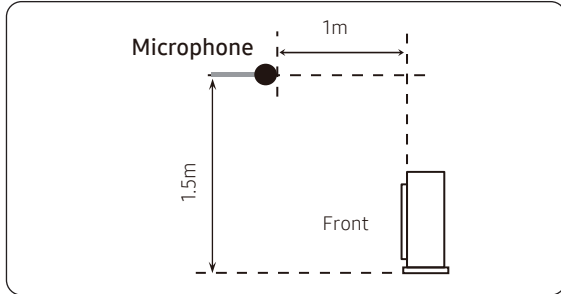
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : WindFree™* 3.0e , WindFree™* 3.0i

Sound Pressure level

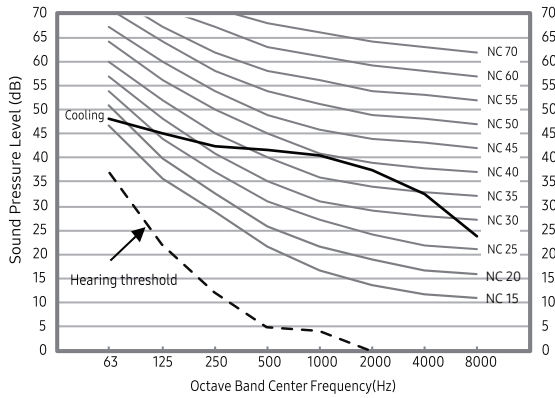
Unit: dB(A)



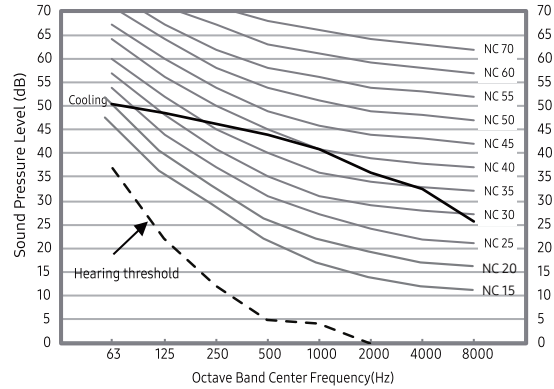
Model	Cooling
RXS09CMC (AR09CSFCMWKXCV)	45
RXS12CMC (AR12CSFCMWKXCV)	46
RXS15CMC (AR15CSFCMWKXCV)	51
RXS18CMC (AR18CSFCMWKXCV)	51

- NC Curve

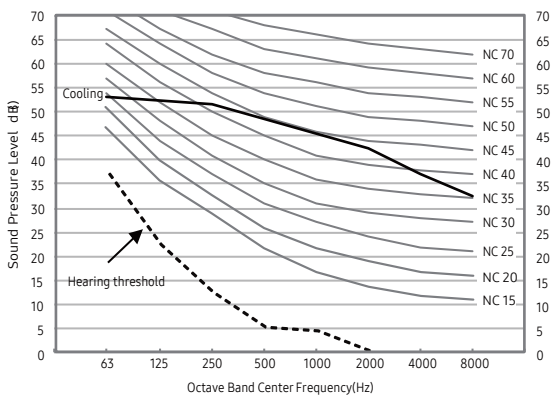
1) RXS09CMC (AR09CSFCMWKXCV)



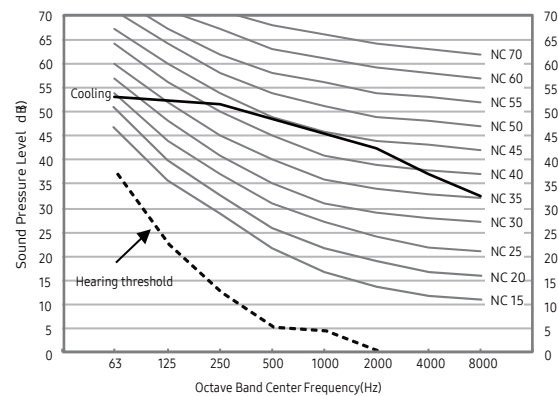
2) RXS12CMC (AR12CSFCMWKXCV)



3) RXS15CMC (AR15CSFCMWKXCV)



3) RXS18CMC (AR18CSFCMWKXCV)



NOTE

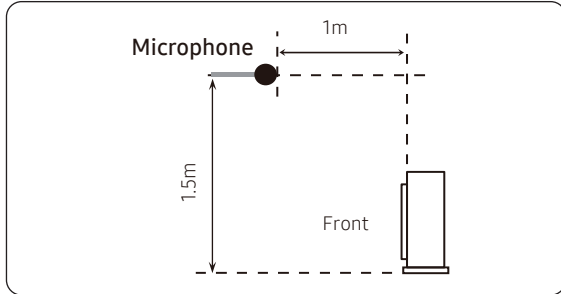
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit : WindFree™* 3.0e, WindFree™* 3.0i

Sound Pressure level

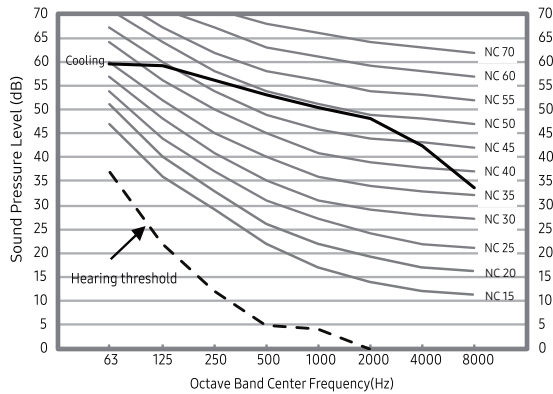
Unit: dB(A)



Model	Cooling
RXS24CMC (AR24CSFCMWKXCV)	56

- NC Curve

1) RXS24CMC (AR24CSFCMWKXCV)



NOTE

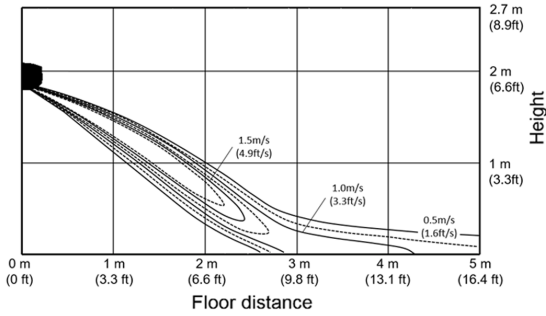
- Specifications may be subject to change without prior notice.
- Sound pressure Level
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

7. Temperature and air flow distribution

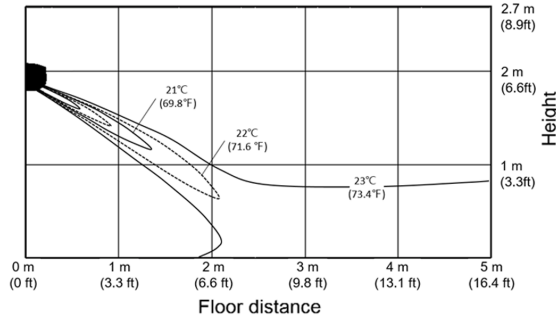
Max Heat® 3.0, WindFree™* 3.0

RNS09ABC (AR09CSDABWKNCV)

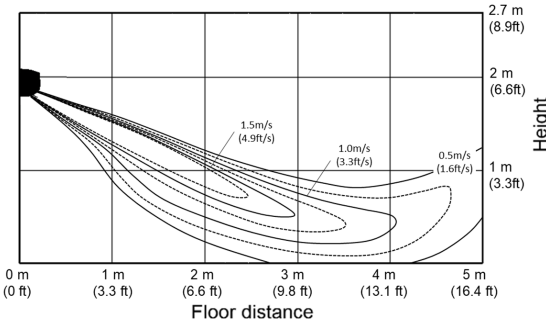
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



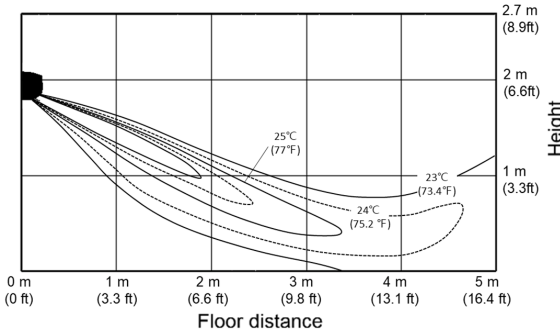
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)

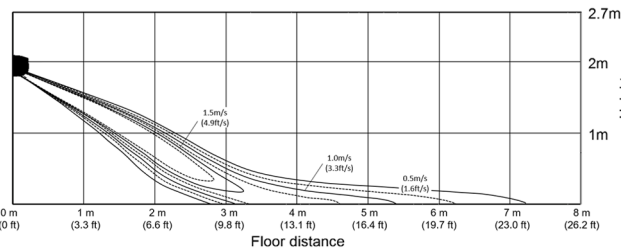


- Heating temperature distribution
(Discharge angle : 30 degree)

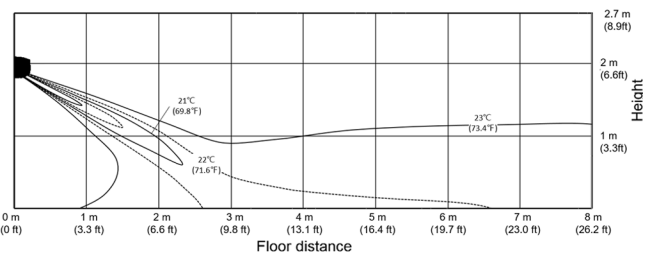


RNS12ABC (AR12CSDABWKNCV)

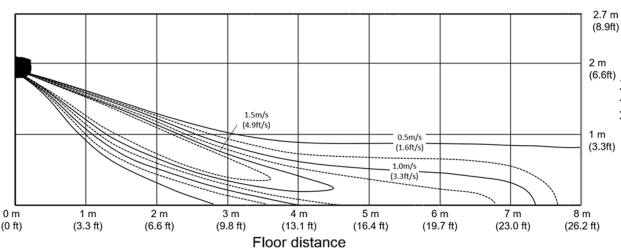
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



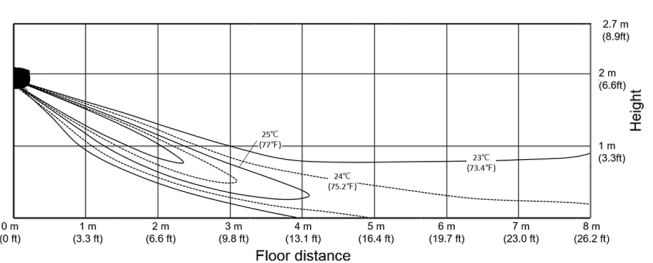
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)



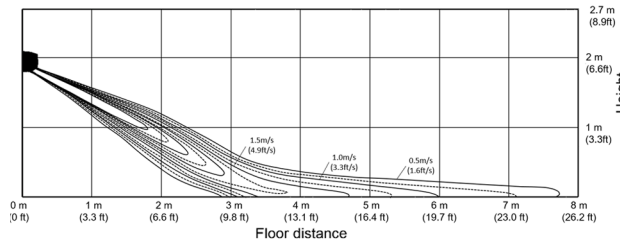
7. Temperature and air flow distribution

Max Heat® 3.0, WindFree™* 3.0

RNS15ABC (AR15CSDABWKNCV)

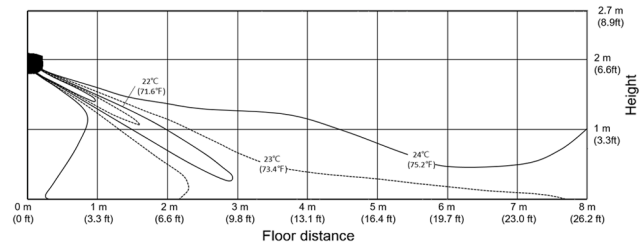
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



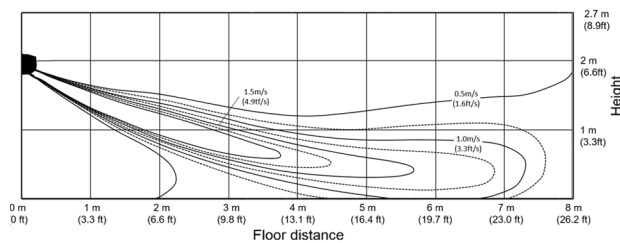
- Cooling temperature distribution

(Discharge angle : 20 degree)



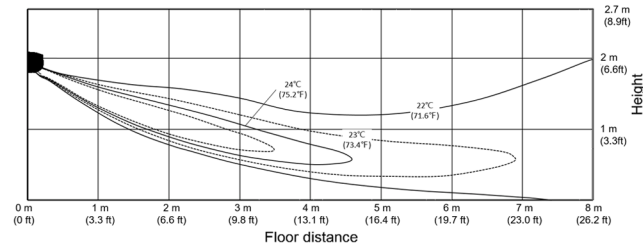
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

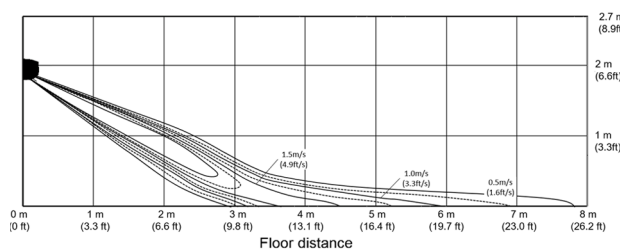
(Discharge angle : 30 degree)



RNS18ABC (AR18CSDABWKNCV)

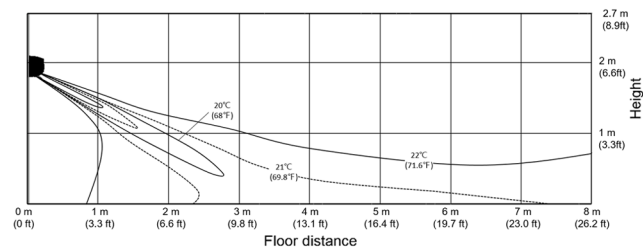
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



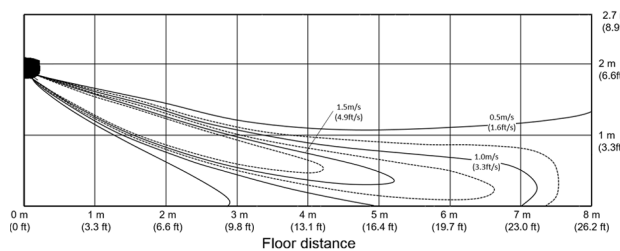
- Cooling temperature distribution

(Discharge angle : 20 degree)



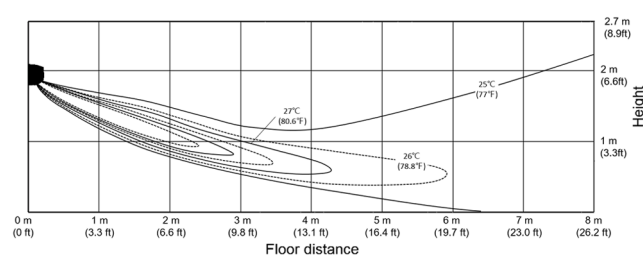
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)

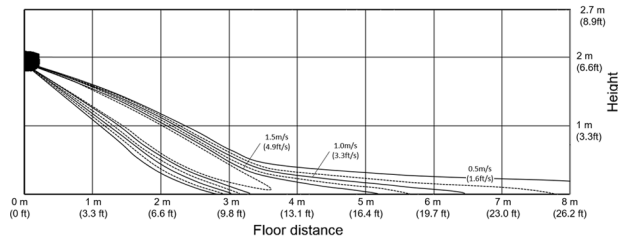


7. Temperature and air flow distribution

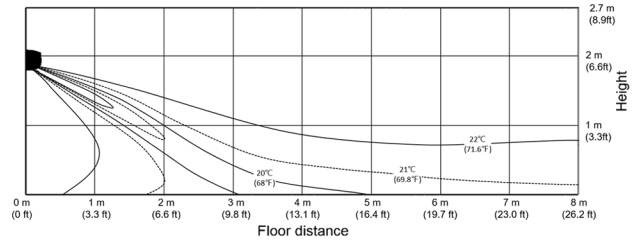
Max Heat® 3.0, WindFree™* 3.0

RNS24ABC (AR24CSDABWKNCV)

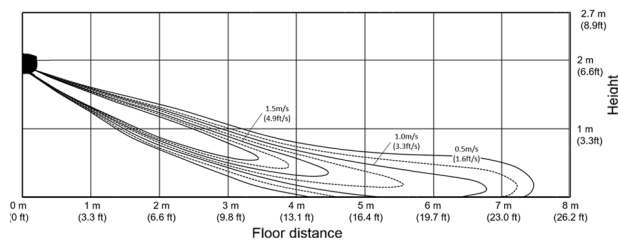
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



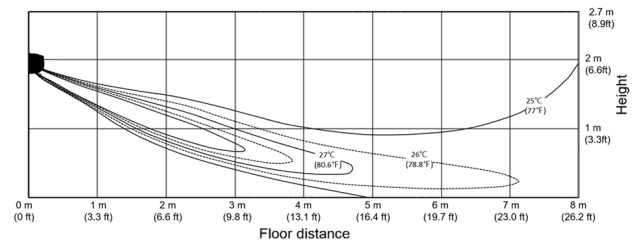
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)

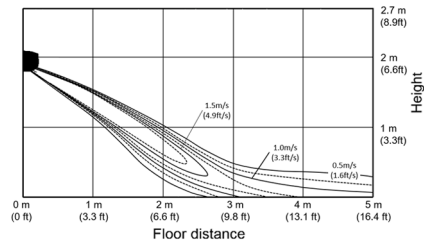


7. Temperature and air flow distribution

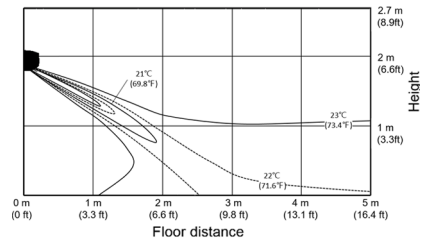
WindFree™* 3.0e

RXS09CMC (AR09CSFCMWKNCV)

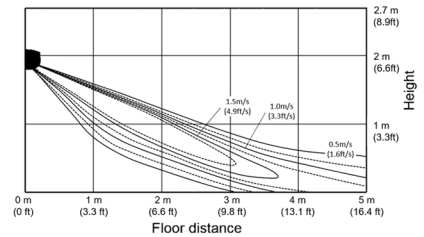
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



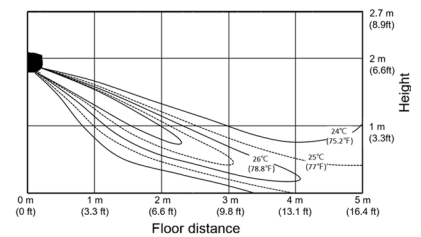
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)

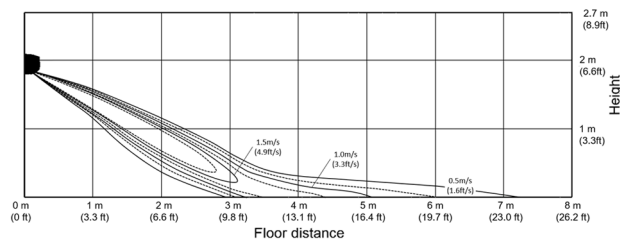


- Heating temperature distribution
(Discharge angle : 30 degree)

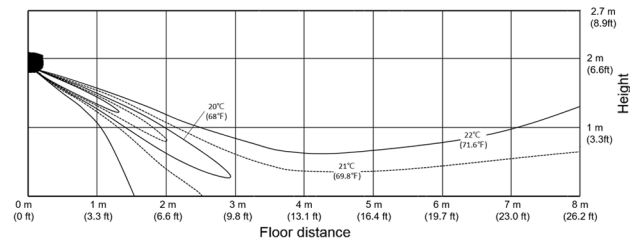


RNS12CMC (AR12CSFCMWKNCV)

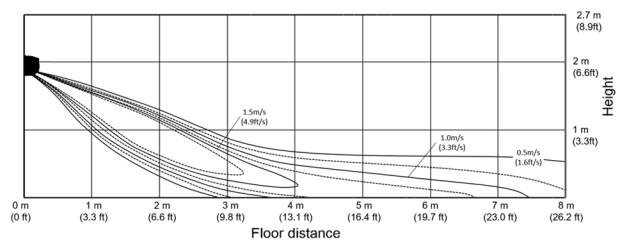
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



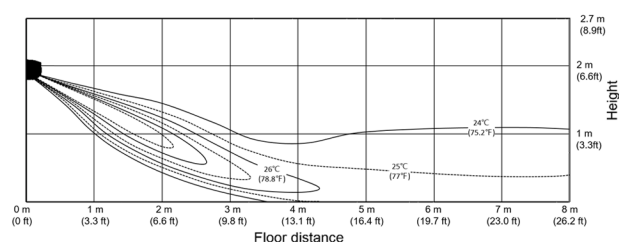
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)



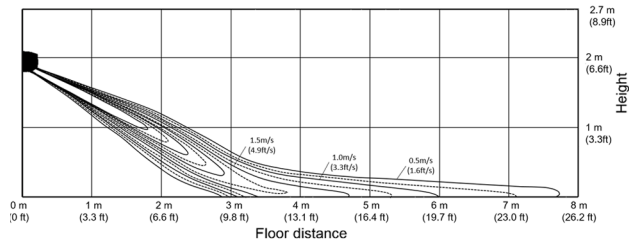
7. Temperature and air flow distribution

WindFree™* 3.0e

RNS15CMC (AR15CSFCMWKNCV)

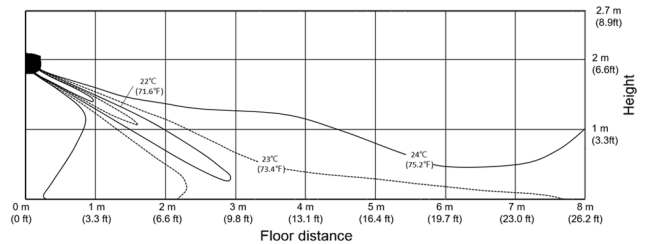
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



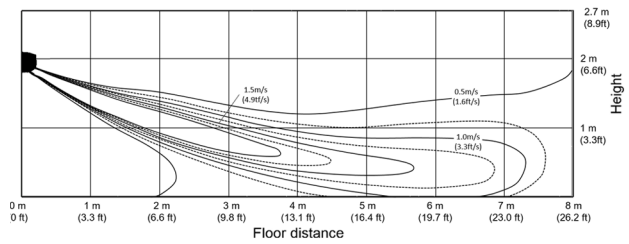
- Cooling temperature distribution

(Discharge angle : 20 degree)



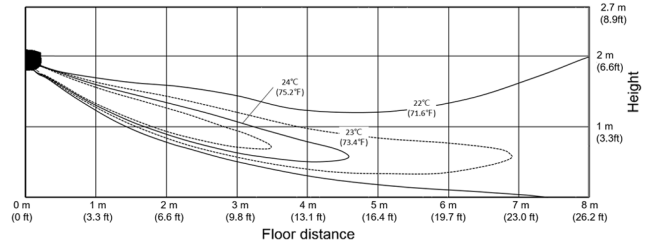
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

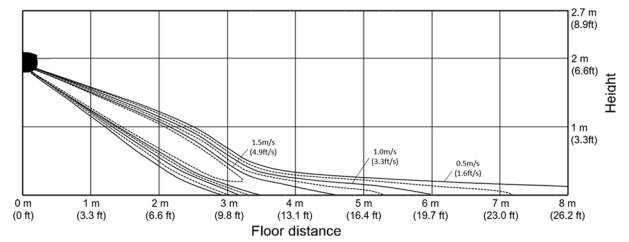
(Discharge angle : 30 degree)



RNS18CMC (AR18CSFCMWKNCV)

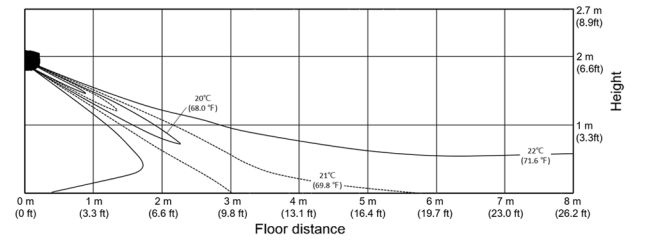
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



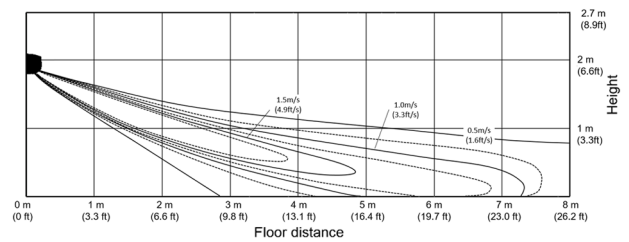
- Cooling temperature distribution

(Discharge angle : 20 degree)



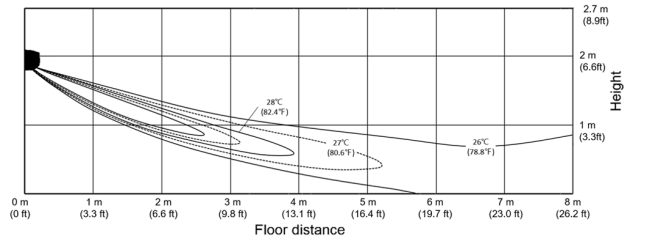
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)

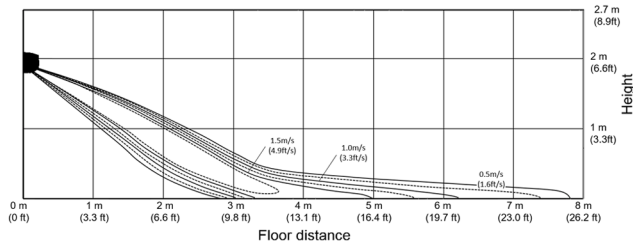


7. Temperature and air flow distribution

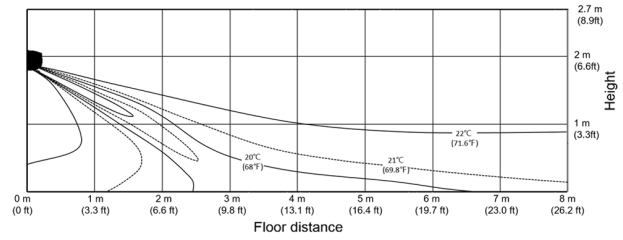
WindFree™* 3.0e

RNS24CMC (AR24CSFCMWKNCV)

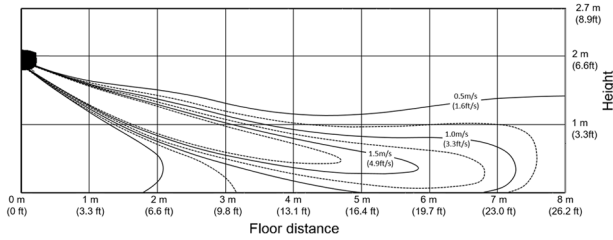
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



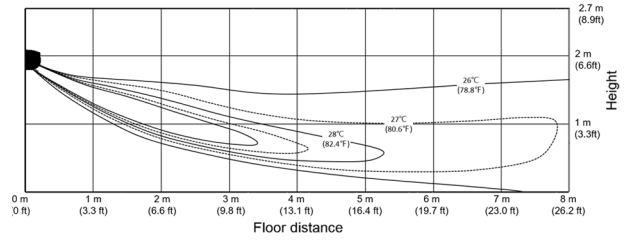
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)



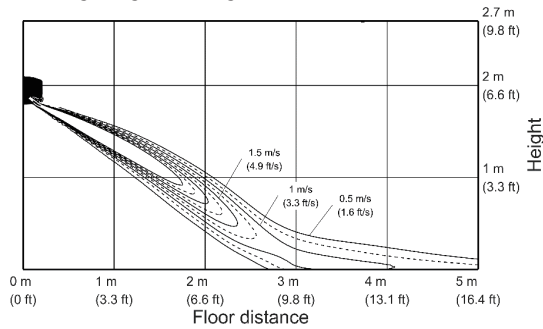
7. Temperature and air flow distribution

WindFree™* 3.0i

RNS09CPC (AR09CSKCPWKNCV)

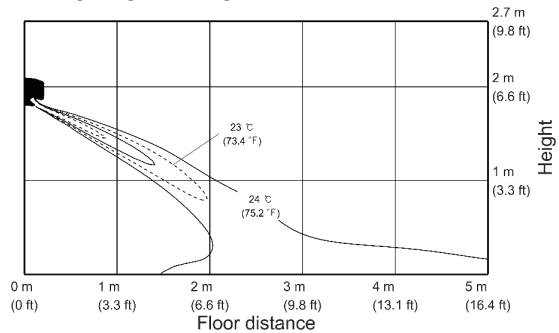
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



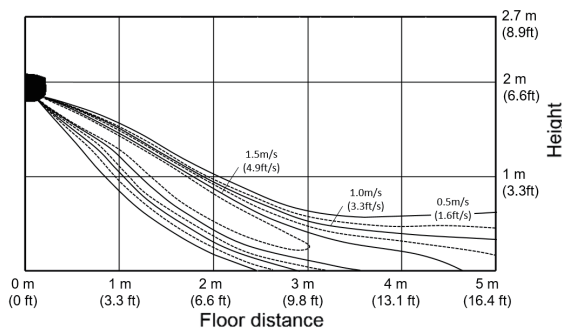
- Cooling temperature distribution

(Discharge angle : 20 degree)



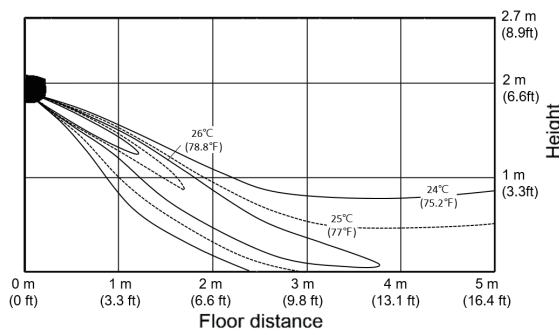
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

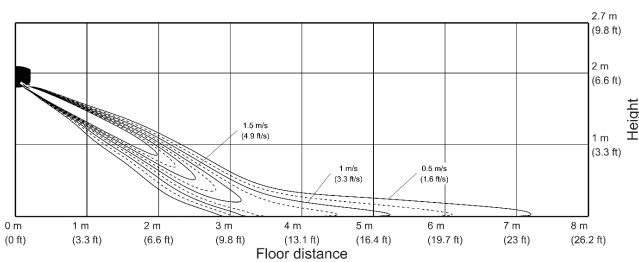
(Discharge angle : 30 degree)



RNS12CPC (AR12CSKCPWKNCV)

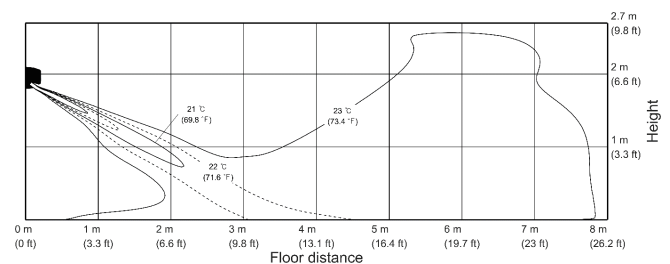
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



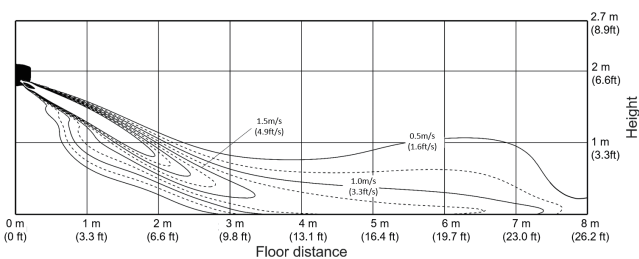
- Cooling temperature distribution

(Discharge angle : 20 degree)



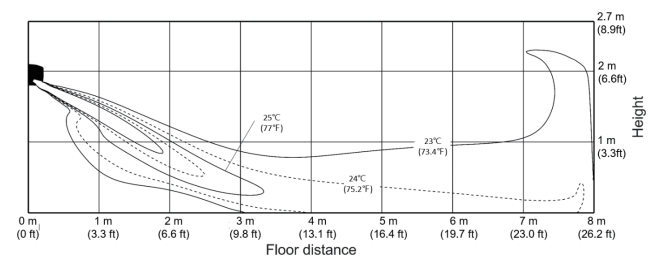
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)

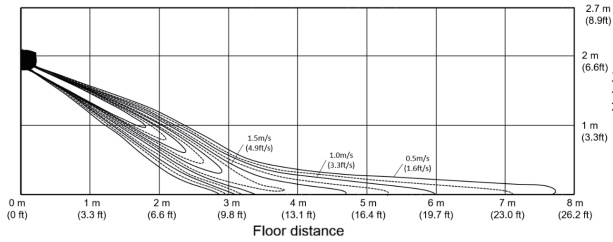


7. Temperature and air flow distribution

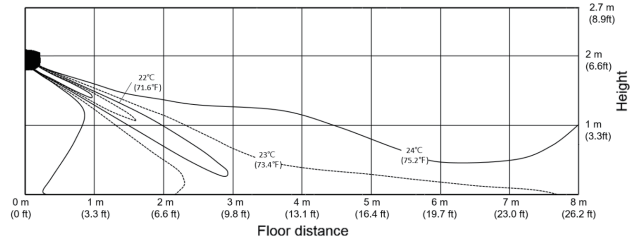
WindFree™* 3.0i

RNS15CPC (AR15CSKCPWKNCV)

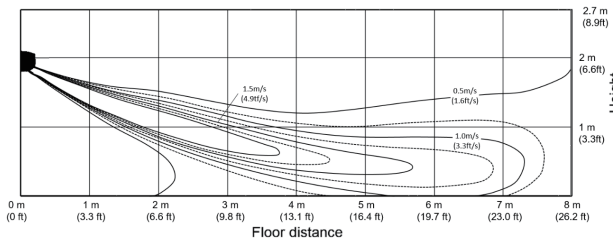
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



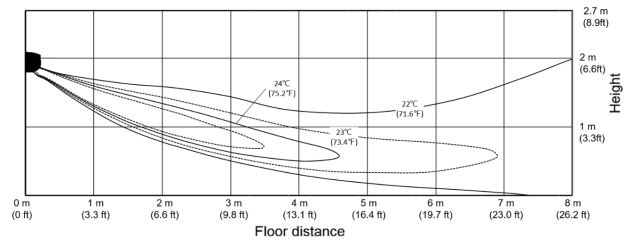
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)

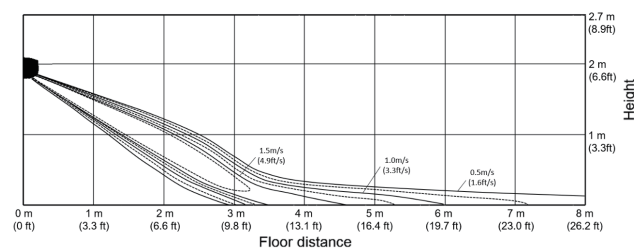


- Heating temperature distribution
(Discharge angle : 30 degree)

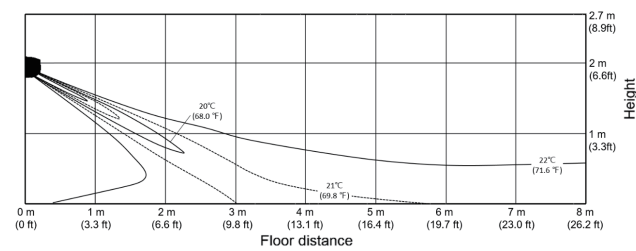


RNS18CPC (AR18CSKCPWKNCV)

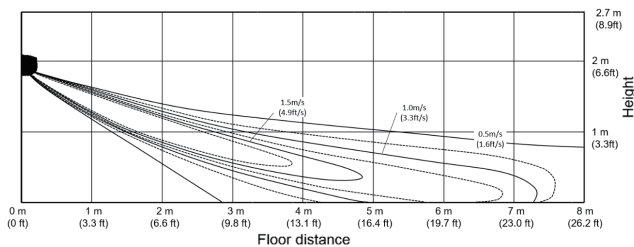
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



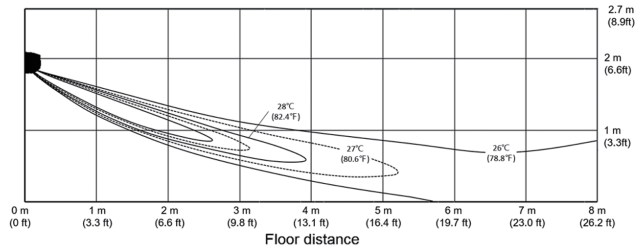
- Cooling temperature distribution
(Discharge angle : 20 degree)



- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)

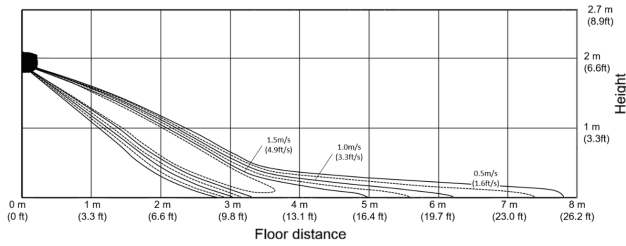


7. Temperature and air flow distribution

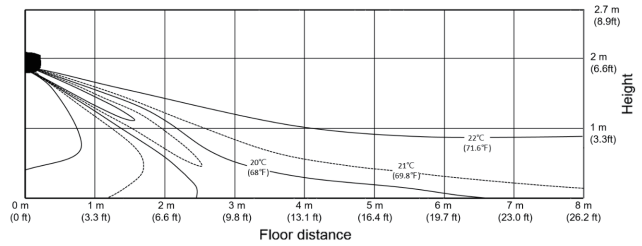
WindFree™* 3.0i

RNS24CPC (AR24CSKCPWKNCV)

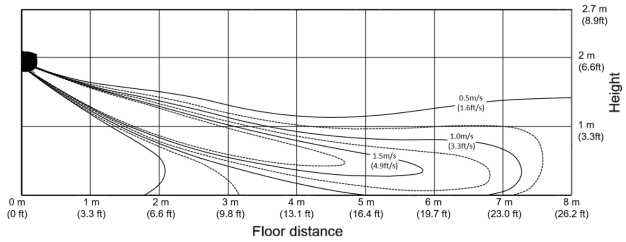
- Cooling Air Velocity distribution
(Discharge angle : 20 degree)



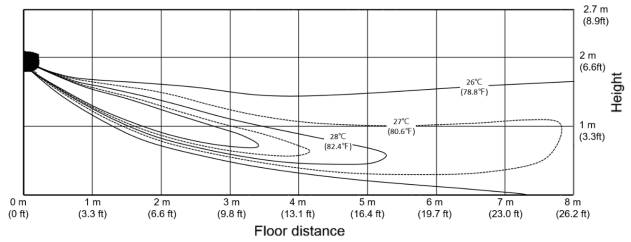
- Cooling temperature distribution
(Discharge angle : 20 degree)



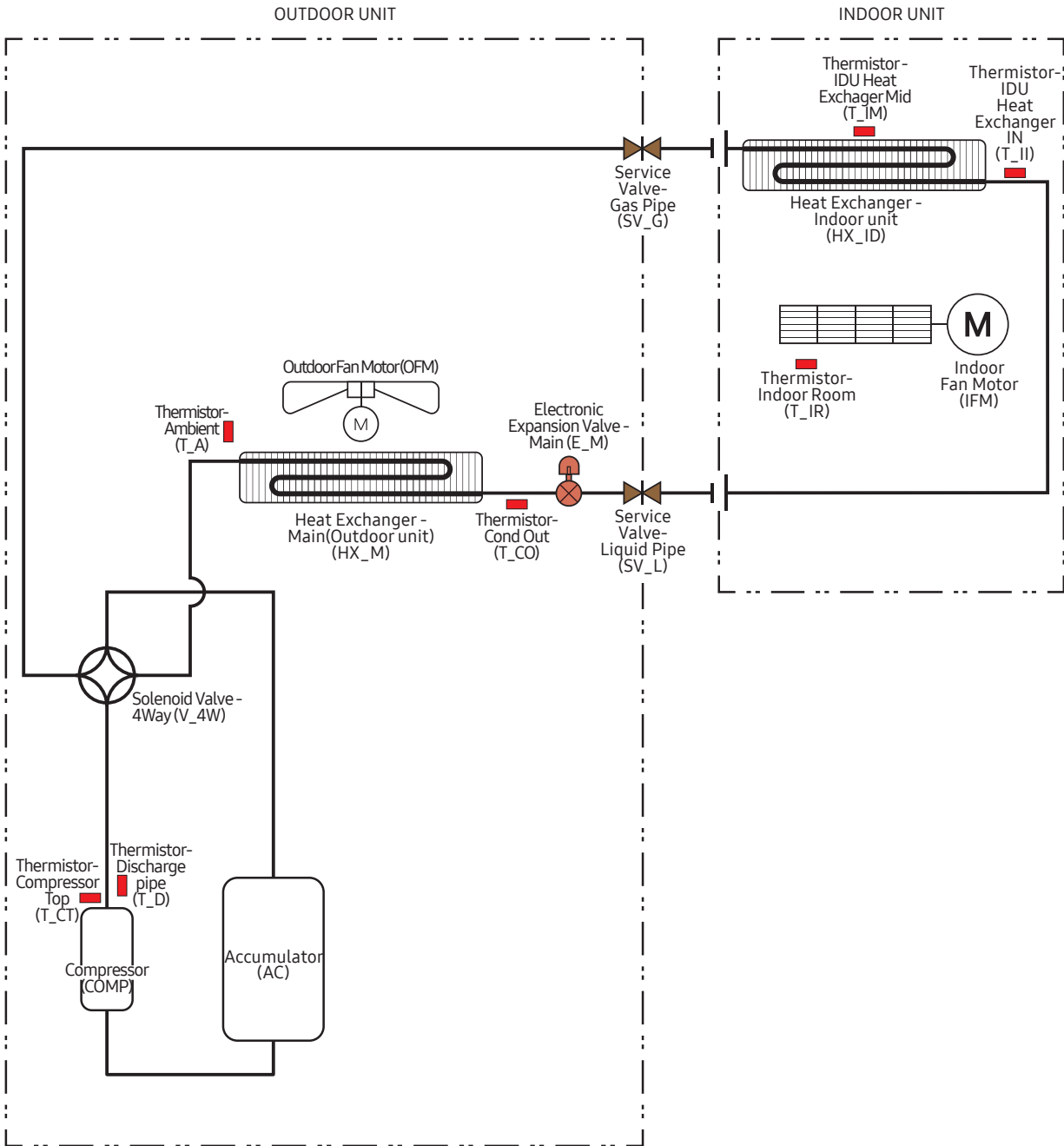
- Heating Air Velocity distribution
(Discharge angle : 30 degree)



- Heating temperature distribution
(Discharge angle : 30 degree)



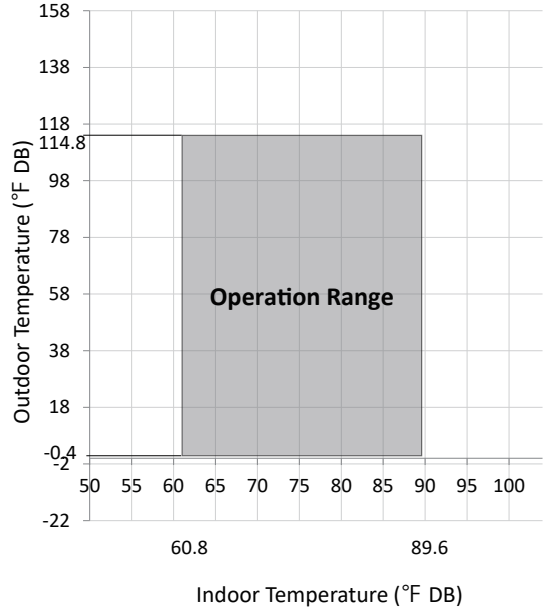
8. Piping Diagram



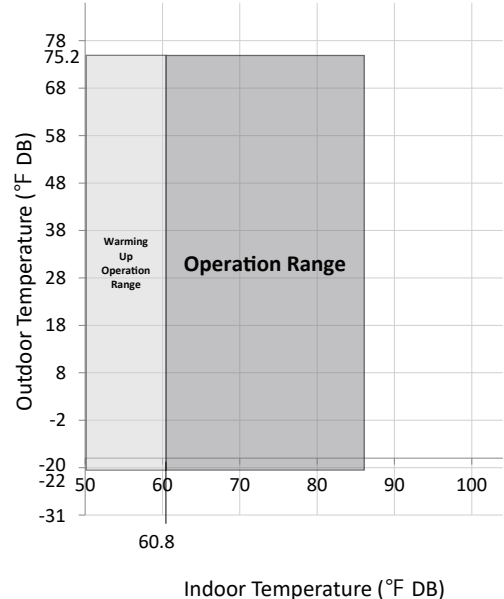
9. Operation Limit

RNS**ABC (AR**CSDACWKXCV) + RXS**ACC (AR**CSDACWKXCV)

Cooling



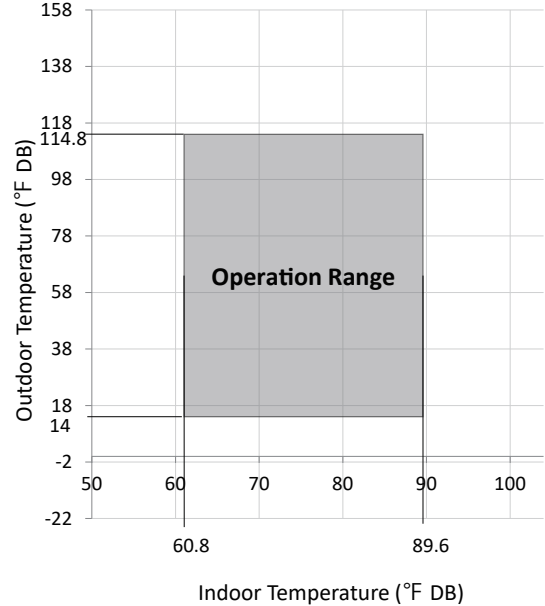
Heating



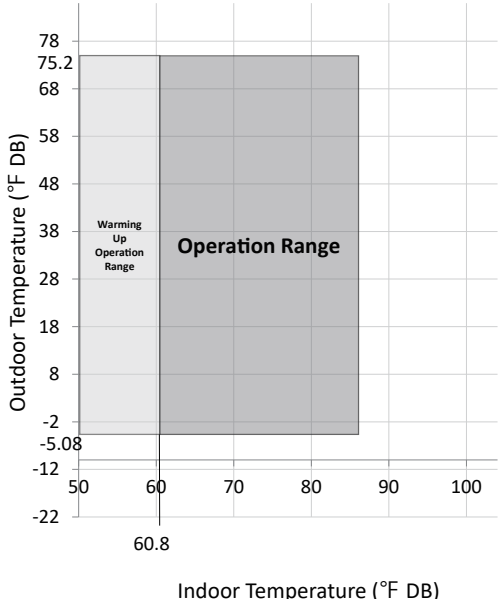
9. Operation Limit

RNS**ABC (AR**CSDABWKXCV) + RXS**ABC (AR**CSDABWKXCV)
RNS**CMC (AR**CSFCMWKXCV) + RXS**CMC (AR**CSFCMWKXCV)
RNS**CPC (AR**CSKCPWKXCV) + RXS**CMC (AR**CSFCMWKXCV)

Cooling



Heating

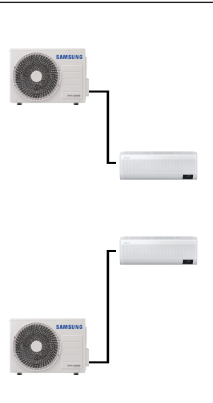


10. Capacity Correction

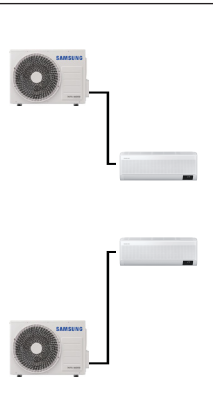
Outdoor Unit

RNS09/12ABC+RXS09/12ACC (AR09/12CSDABWKNCV+AR09/12CSDACWKXCV)
 RNS09/12ABC+RXS09/12ABC (AR09/12CSDABWKNCV+AR09/12CSDABWKXCV)
 RNS09/12CMC+RXS09/12CMC (AR09/12CSFCMWKNCV+AR09/12CSFCMWKXCV)
 RNS09/12CPC+RXS09/12CMC (AR09/12CSKCPWKNCV+AR09/12CSFCMWKXCV)

Cooling

		Pipe Length (ft)					
		16	33	41	49	66	
	Level Difference (ft)	49	-	-	-	0.92	0.90
		33	-	0.95	0.94	0.93	0.91
		23	-	0.96	0.95	0.94	0.92
		16	0.99	0.97	0.96	0.95	0.93
		0	1.00	0.98	0.97	0.96	0.94
		-16	0.99	0.97	0.96	0.95	0.93
		-23	-	0.96	0.95	0.94	0.92
		-33	-	0.95	0.94	0.93	0.91
		-49	-	-	-	0.92	0.90

Heating

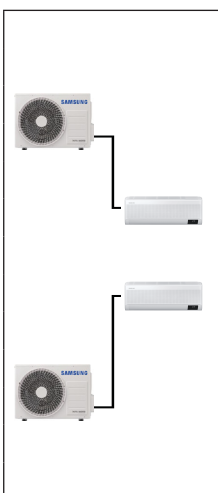
		Pipe Length (ft)					
		16	33	41	49	66	
	Level Difference (ft)	49	-	-	-	0.92	0.90
		33	-	0.95	0.94	0.93	0.91
		26	-	0.96	0.95	0.94	0.92
		16	0.99	0.97	0.96	0.95	0.93
		0	1.00	0.98	0.97	0.96	0.94
		-16	0.99	0.97	0.96	0.95	0.93
		-26	-	0.96	0.95	0.94	0.92
		-33	-	0.95	0.94	0.93	0.91
		-49	-	-	-	0.92	0.90

10. Capacity Correction

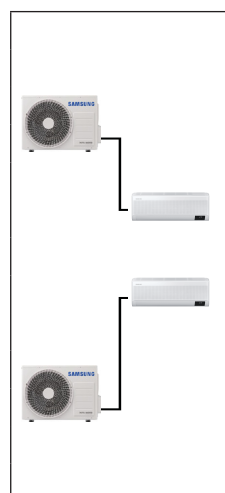
Outdoor Unit

RNS15/18/24ABC+RXS15/18/24ACC (AR15/18/24CSDABWKNCV+AR15/18/24CSDACWKXCV)
 RNS15/18/24ABC+RXS15/18/24ABC (AR15/18/24CSDABWKNCV+AR15/18/24CSDABWKXCV)
 RNS15/18/24CMC+RXS15/18/24CMC (AR15/18/24CSFCMWKNCV+AR15/18/24CSFCMWKXCV)
 RNS15/18/24CPC+RXS15/18/24CMC (AR15/18/24CSKCPWKNCV+AR15/18/24CSFCMWKXCV)

Cooling

		Pipe Length (ft)						
		16	33	41	49	66	82	98
	66	-	-	-	-	-	0.87	0.85
	49	-	-	-	0.92	0.90	0.88	0.86
	33	-	0.95	0.94	0.93	0.91	0.89	0.87
	23	-	0.96	0.95	0.94	0.92	0.9	0.88
	16	0.99	0.97	0.96	0.95	0.93	0.91	0.89
	0	1.00	0.98	0.97	0.96	0.94	0.92	0.90
	-16	0.99	0.97	0.96	0.95	0.93	0.91	0.89
	-23	-	0.96	0.95	0.94	0.92	0.9	0.88
	-33	-	0.95	0.94	0.93	0.91	0.89	0.87
	-49	-	-	-	0.92	0.90	0.88	0.86
	-66	-	-	-	-	-	0.87	0.85

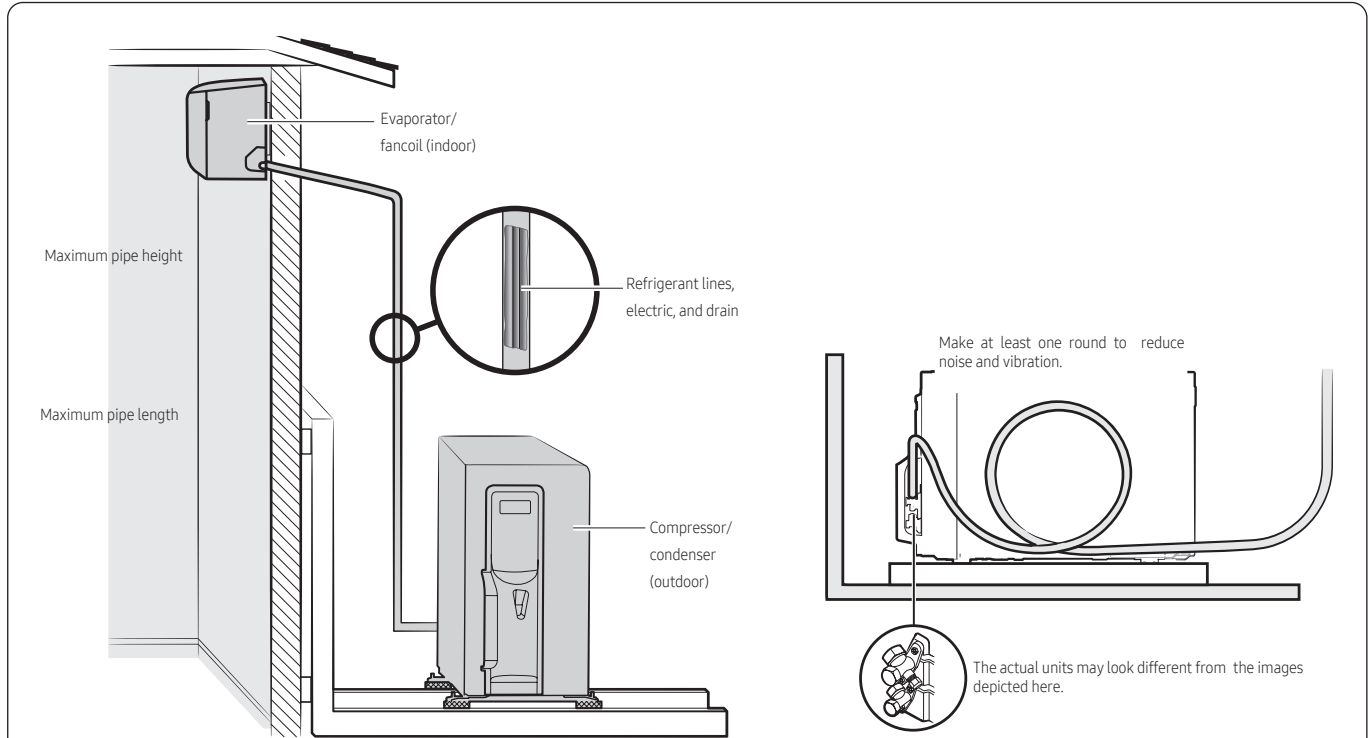
Heating

		Pipe Length (ft)						
		16	33	41	49	66	82	98
	66	-	-	-	-	-	0.87	0.85
	49	-	-	-	0.92	0.90	0.88	0.86
	33	-	0.95	0.94	0.93	0.91	0.89	0.87
	23	-	0.96	0.95	0.94	0.92	0.9	0.88
	16	0.99	0.97	0.96	0.95	0.93	0.91	0.89
	0	1.00	0.98	0.97	0.96	0.94	0.92	0.90
	-16	0.99	0.97	0.96	0.95	0.93	0.91	0.89
	-23	-	0.96	0.95	0.94	0.92	0.90	0.88
	-33	-	0.95	0.94	0.93	0.91	0.89	0.87
	-49	-	-	-	0.92	0.90	0.88	0.86
	-66	-	-	-	-	-	0.87	0.85

11. Installation

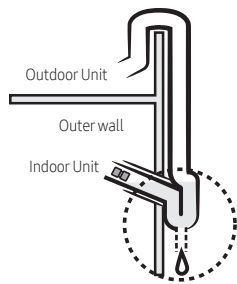
Viewing the typical installation

A typical installation will be similar to the one shown below.



Unit: ft(m)

Model	Pipe length			Pipe height
	Minimum	Maximum	Standard for factory charge	Maximum
09/12***	9.8(3)	65.6(20)	24.6(7.5)	49.2(15)
15/18/24***	9.8(3)	98.4(30)	24.6(7.5)	65.6(20)



Cut insulation to have rainwater drained



Make a U-trap (A) on the pipe (which is connected to the indoor unit) at outer wall and cut the bottom part of the insulation (about 1/2 inch) to prevent rainwater from getting inside through the insulation.

11. Installation

Choosing the installation location

WARNING

- Verify that a dedicated circuit breaker and a disconnect switch of the appropriate sizes for the air conditioner are preinstalled and available for use. See the submittal document for the model, listed on page 3.
- Verify that the voltage and frequency of the power supply comply with the rated voltage as defined on the unit name plate.
- Verify that a suitable grounding connection is available.
- Do not install this appliance in an environment containing hazardous substances or close to equipment that releases open flames.
- Do not install this appliance near a heater or flammable material.

CAUTION

- The manufacturer shall not be responsible for damage occurring as a result of the wrong voltage being applied to this air conditioner.
- The indoor and outdoor units must be installed in compliance with minimum clearances to ensure that both units are accessible from both sides and can be maintained or repaired. Insufficient clearance may reduce product performance, generate excessive noise, and reduce the life of some unit components.

IMPORTANT

- Any changes or modifications to the installation described in this manual that are not expressly approved by the manufacturer could void the manufacturer's warranty.

To determine where to locate the indoor and outdoor units, you must survey the entire site and consider many variables.

The goal is to select locations that comply with all safety precautions while also minimizing the total effort involved.

Indoor unit location requirements

WARNING

- Do not install the unit in a humid, oily, or dusty location or in a location exposed to direct sunlight, water, or rain.
- Make sure that the wall can support the unit weight.

Examine the area that the customer wants to be air conditioned. Consider the following:

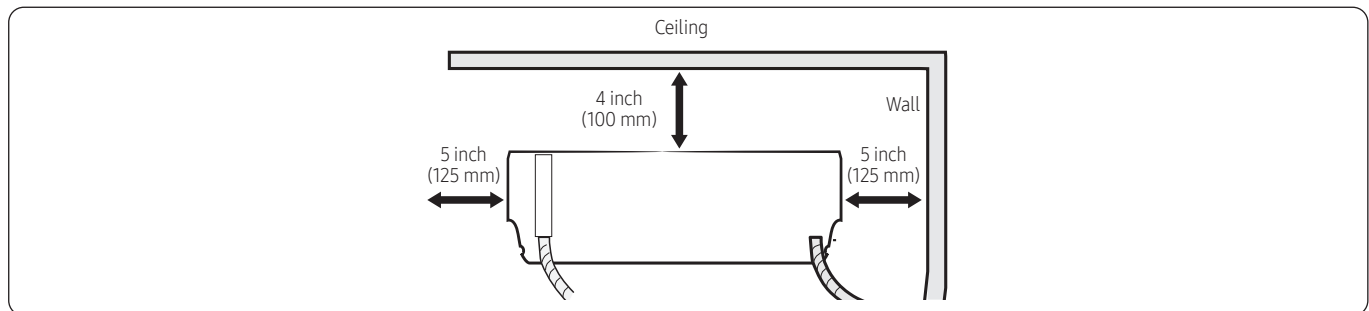
11. Installation

- What wall location will meet minimum clearances and provide optimal product performance?
- Will the wall provide adequate support for the unit weight (wall with stud construction or concrete)? If applicable, where are the studs?
- Where will you place the wall penetration for routing the piping bundle (consisting of power and communication cables, refrigerant pipes, and the drain hose) through the wall to the outdoor unit? Will the hole intersect any plumbing or wires in the wall?
- Is the location as close as possible to where the outdoor unit will be installed, to minimize the length of piping and cables?
- Will the condensate drain inside the room, through the wall penetration to the outdoor unit, or be connected to a condensate pump?

NOTE

- This manual covers a typical gravity-drain installation where the drain hose is routed to the outdoor unit through a hole in the wall.

Minimum clearances for the indoor unit



Outdoor unit location requirements

Examine the area where the outdoor unit could be located. Consider the following:

- What location will meet minimum clearances and provide optimal product performance?
 - Is there an existing level and hard foundation, such as a concrete pad, that will support the unit weight and produce minimal vibration? Installation on uneven ground may result in abnormal vibrations, noise, or problems with the unit.
 - Does the unit need to be mounted on the wall?
 - Where are the dedicated circuit breaker and disconnect switch located? How will you connect them to the unit?
 - How will you route the piping bundle from the indoor unit? Is the location as close as possible to where the indoor unit will be installed, to minimize the length of piping and cables?
 - Will the unit be sheltered from the wind? In a high-wind area, you may need to build a protective fence
-

11. Installation

around the unit.

- Where will the condensate drain?

WARNING

- The drain location must allow condensate to drain properly and prevent ice from forming on the unit in winter. If a block of ice falls from the unit, it may result in death, serious injury, or property damage. Improper or inadequate draining may result in water overflowing and property damage.

CAUTION

- Do not connect the drain hose to existing waste pipes as odors may arise.

Installation on an exterior wall

If the outdoor unit must be installed on an exterior wall, you will need an L-bracket to support the unit. This bracket is not included with the unit.

11. Installation

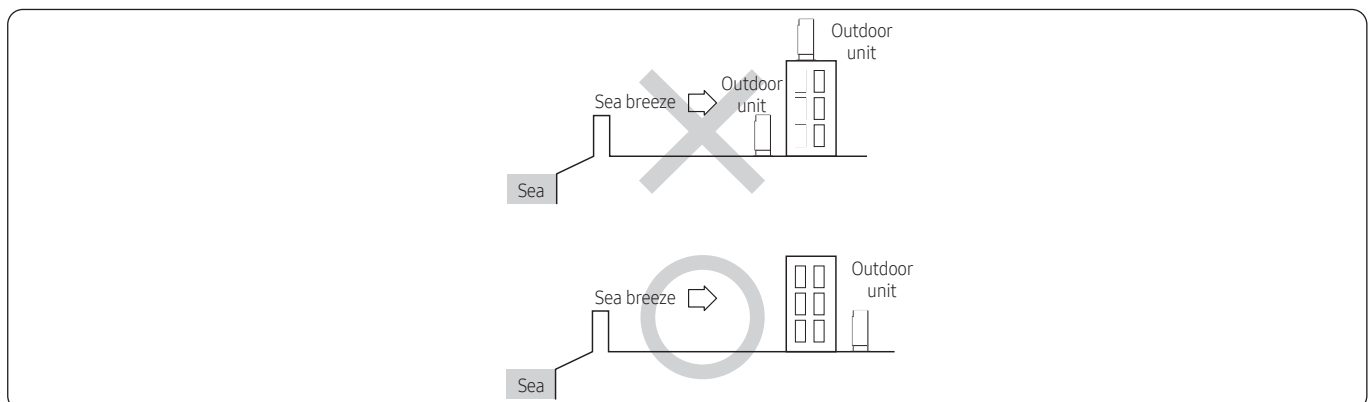
WARNING

- The wall must be capable of supporting the weight of both the L-bracket and the outdoor unit. If the unit falls, it may result in crushing, electric shock, fire, or explosion that could cause death, severe personal injury, or property damage

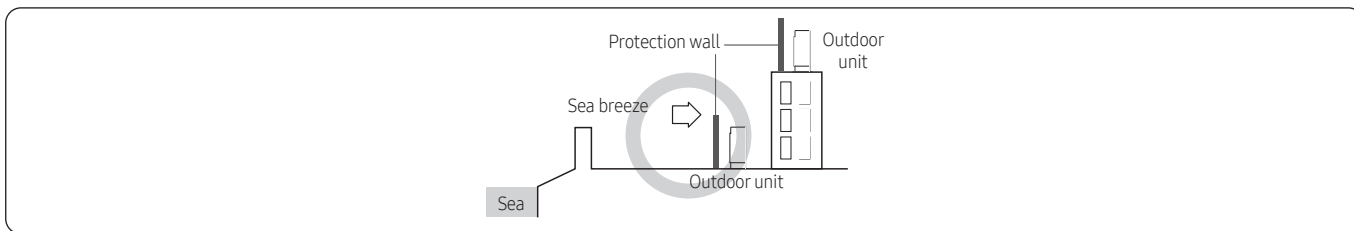
Installation Guide at the seashore

Make sure to follow below guides when installing at the seashore.

- 1 Do not install the product in a place where it is directly exposed to sea water and sea breeze.
 - Make sure to install the product behind a structure (such as building) that can block sea breeze.
 - Even when it is inevitable to install the product in seashore, make sure that product is not directly exposed to sea breeze by installing a protection wall.
- 2 Consider that the salinity particles clinging to the external panels should be sufficiently washed out.
- 3 Because the residual water at the bottom of the outdoor unit significantly promotes corrosion, make sure that the slope does not disturb drainage.
 - Keep the floor level so that rain does not accumulate.
 - Be careful not to block the drain hole due to foreign substance.
- 4 When product is installed in seashore, periodically clean it with water to remove attached salinity.
- 5 Make sure to install the product in a place that provides smooth water drainage. Especially, ensure that the base part has good drainage.
- 6 If the product is damaged during the installation or maintenance, make sure to repair it.
- 7 Check the condition of the product periodically.
 - Check the installation site every 3 months and perform anti-corrosion treatment such as R-Pro supplied by SAMSUNG (Code : MOK-220SA) or commercial water repellent grease and wax, etc., based on the product condition.
 - When the product is to be shut down for a long period of time, such as off-peak hours, take appropriate measures like covering the product.
- 8 If the product installed within 1640.4 ft (500 m) of seashore, special anti-corrosion treatment is required.
 - ※ Please contact your local SAMSUNG representative for further details.

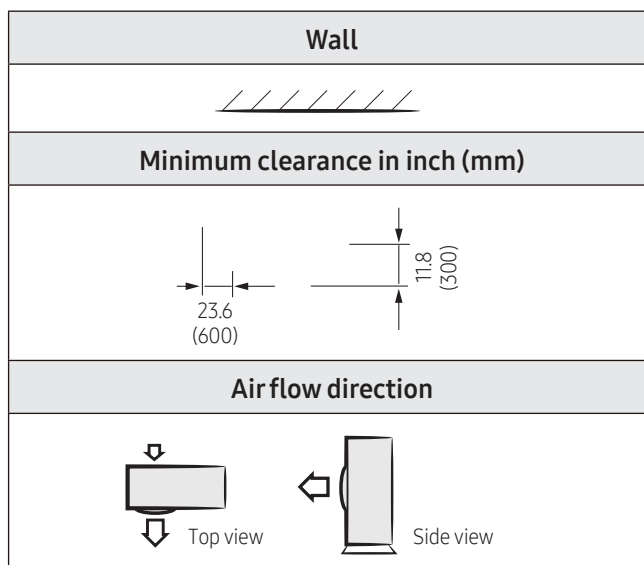


11. Installation



- Protection wall should be constructed with a solid material that can block the sea breeze and the height and width of the wall should be 1.5 times larger than the size of the outdoor unit. (You must secure more than 2 ft (600 mm) of space between the protection wall and the outdoor unit for air circulation.)

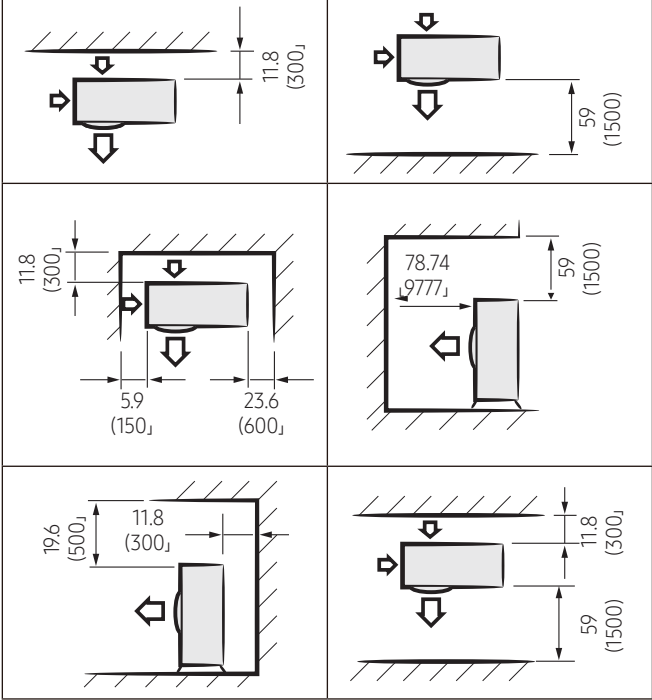
Minimum clearances for the outdoor unit



11. Installation

Examples for installing one outdoor unit:

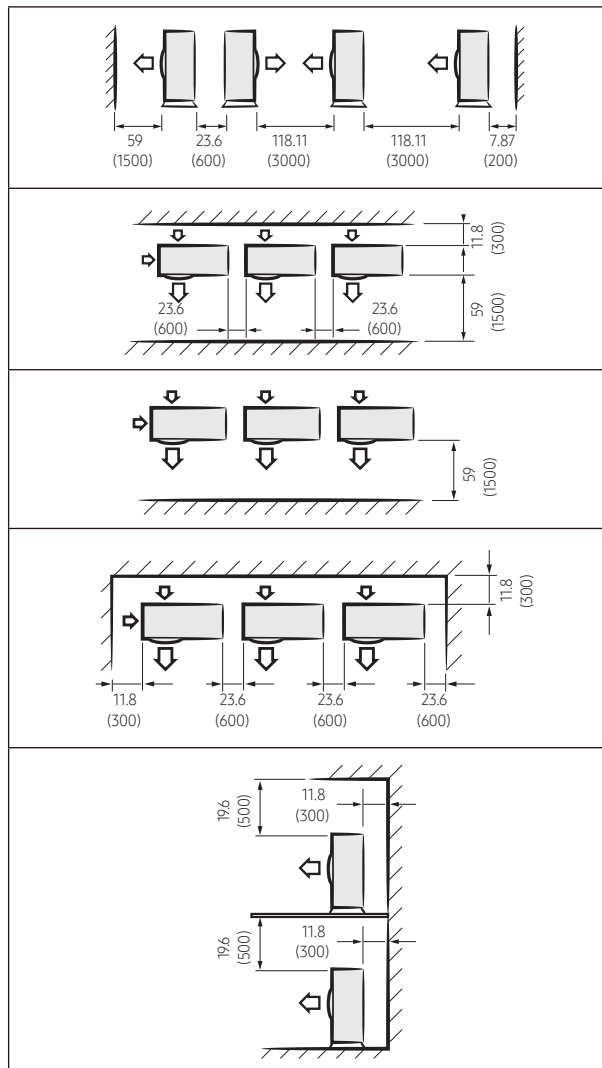
Unit: inch (mm)



11. Installation

Examples for installing multiple outdoor units:

Unit: inch (mm)



Attaching the mounting bracket to the wall

- 1 Hold the mounting bracket against the wall at the selected installation position (Step 1-3 on page 8), making sure that the screw holes align with the center of the studs in the wall. If the screw locations do not align with the studs, use wall anchors.

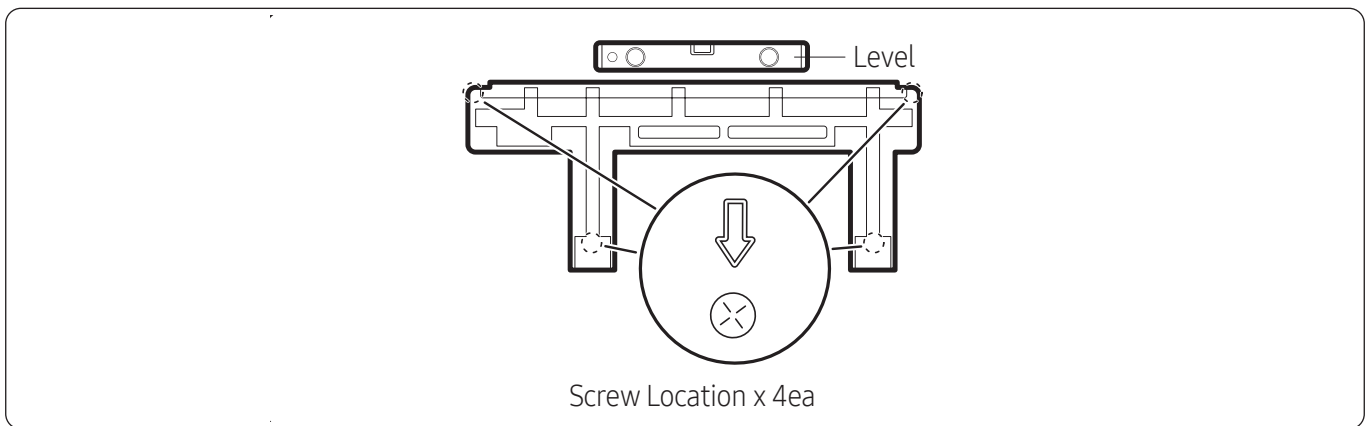
CAUTION

- The recommended best practice is to attach the mounting bracket directly to the studs in the wall. If you did not find a suitable location with studs, or if the wall is concrete, you must use wall anchors of a

11. Installation

suitable type and weight capacity, and install them according to the manufacturer's instructions. Failure to do so may cause the material surrounding the joints to crumble over time and the screws to be loosened and stripped. This may result in the unit falling from the wall, which could cause physical injury or equipment damage.

- 2 Using a level, make sure that the mounting bracket is level, then mark the location of the screw holes on the wall.
- 3 If using wall anchors, install them at the screw hole positions, following the manufacturer's instructions.
- 4 Using six field-supplied mounting screws and anchors (if applicable), attach the bracket to the wall.



Drilling the wall penetration

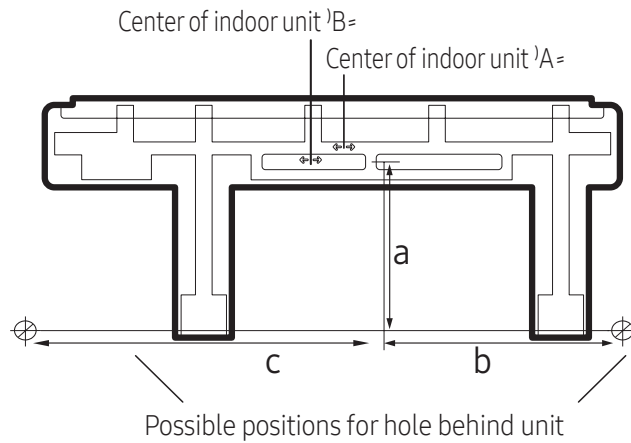
- 1 Determine the position of the hole through which the piping bundle (consisting of power and communication cables, refrigerant pipes, and the drain hose) will pass.

Consider the following:

- The hole inner diameter must be 2.5 inches (65 mm).
- The recommended hole location is behind the unit so that the hole and the piping bundle will not be visible in the room.

The minimum distances between the hole and the mounting bracket are:

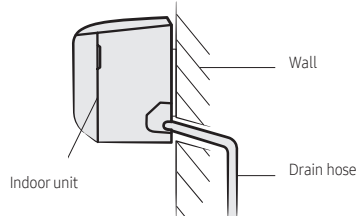
11. Installation



Unit: inch(mm)

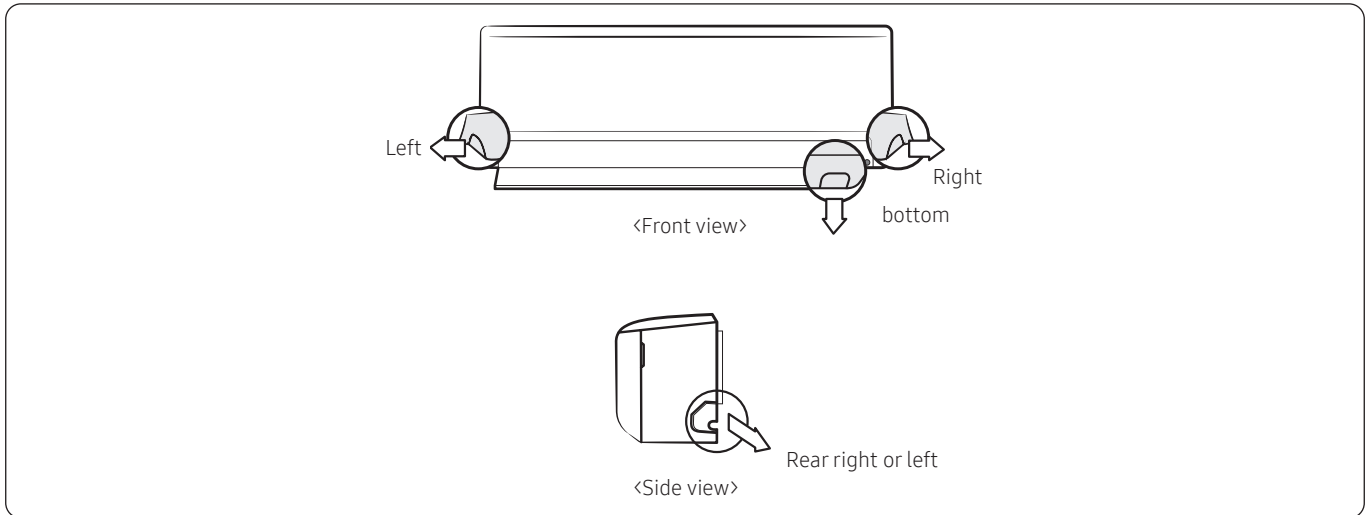
Model		a	b	C
09/12CSFCM** **09/12CSKCP****	A	6.49(165)	12.00(305)	16.37(416)
09/12CSDAB**	B	6.49(165)	12.00(305)	19.13(486)
15/18/24CSDAB** **15/18/24CSFCN**** **15/18/24CSKCP****	A	6.49(165)	13.66(347)	27.11(688.5)

- If the hole cannot be positioned behind the unit, find a position as close to the unit as possible. The piping bundle that exits the unit and extends to the hole will need to be attached to the wall and will be visible inside the room.
 - In relation to the bracket shown above, the unit is shipped with the drain hose connection on the right, the drain hose exits the unit on the left, and the refrigerant pipes are bent to exit on the left. Thus, positioning the hole to the left (A/B or outside the unit) requires the least effort. If you position the hole to the right (C/D or outside the unit) or below the unit, you will need to move the drain hose connection to the left and bend the pipes so that the hose and pipes exit to the right or bottom. See the figure in step 3.
- 2 Use a standard 2-5-inch (65-mm) hole saw to drill one hole at the selected location, at a 15° downward angle so that the drain hose will drain properly.



- 3 Based on the hole location, determine where the piping bundle (drain hose, refrigerant pipes, and cables) will exit the unit.

11. Installation



NOTE

- The left or right exit will only be used if the hole is not positioned behind the unit.

Connecting the power and communication cables

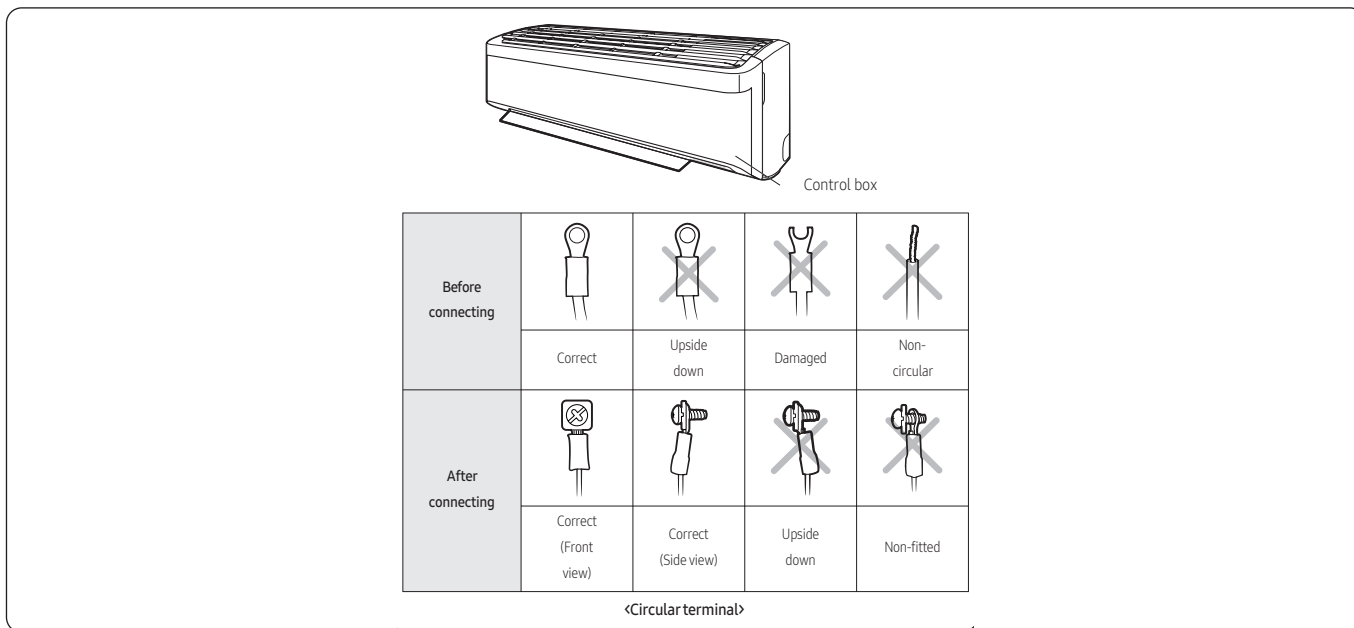
WARNING

- Do not modify the power cable in any way. Doing so may cause electric shock or fire due to poor connection, poor insulation, or current limit override. Make sure to comply with the technical standards of electrical installations and the wiring regulations in the local area.
- This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line. Failure to comply may result in electric shock, fire, and explosion.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.¹ Connect each wire to its corresponding terminal number.

1 Connect each wire to its corresponding terminal number.

Cable	Terminals
Power cable	L1, L2, ground
Communication cable	F1, F2

11. Installation



CAUTION

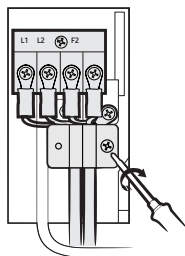
- Connect the wires firmly so that wires cannot be pulled out. Loose wires can cause the connection to overheat. Each circular terminal must match the size of its corresponding screw in the terminal block.

CAUTION

- For the terminal block wiring, use a wire with a ring terminal socket only. Regular wires without a ring terminal socket may become a hazard as the connections may loosen during operation.

2 Tighten the terminal block screw.

11. Installation



NOTE

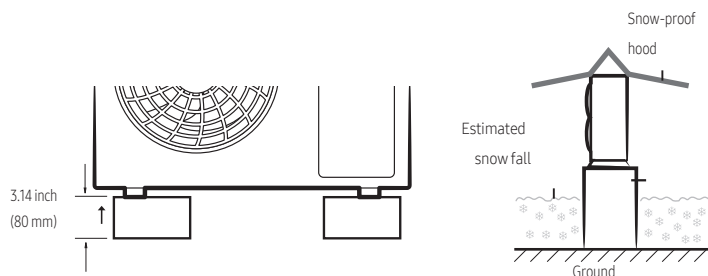
- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord.
- Power & Communication cable shall not exceed 98.42ft(30 m).

Mounting the outdoor unit

To promote proper condensate draining, the recommended installation of the outdoor unit is elevated above the ground on a mounting bracket attached to a concrete pad.

In areas where snowfall occurs, the unit must be mounted above the snow line to allow for proper heating. Snow cannot be allowed to collect on top of the unit. For promoting natural drainage in a heavy snow fall area:

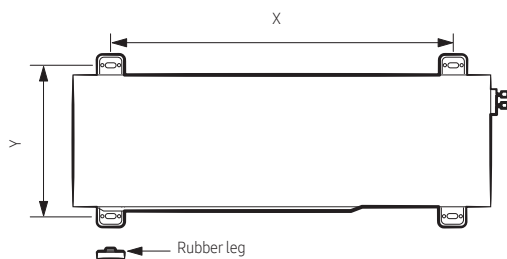
- Make space more 3.14 inch(80 mm) between the bottom of the outdoor unit and the ground for installation. (Ensure that the drained water runs off correctly and safely.)
- Allow enough separation distance between the product and the ground.



11. Installation

On the ground

- 1 Place the outdoor unit in the selected installation location, ensuring proper clearances and with the arrow on top of the unit pointing away from the wall.
- 2 Clip the rubber feet to the tabs to minimize sound and vibration to the structure.



Unit: inch(mm)

Model	X	Y
09/12***	23.70(602)	12.20(310)
15/18*** **24CSFC****	25.98(660)	13.39(340)
24CSDA**	24.41(620)	14.17(360)

- 3 Level the unit, then use anchor bolts to secure it at the four mounting points.
- 4 For installations in locations that require seismic or hurricane tie downs, comply with local codes.
- 5 If the selected location is exposed to strong winds, install a protective fence around the unit so that the fan can operate correctly.

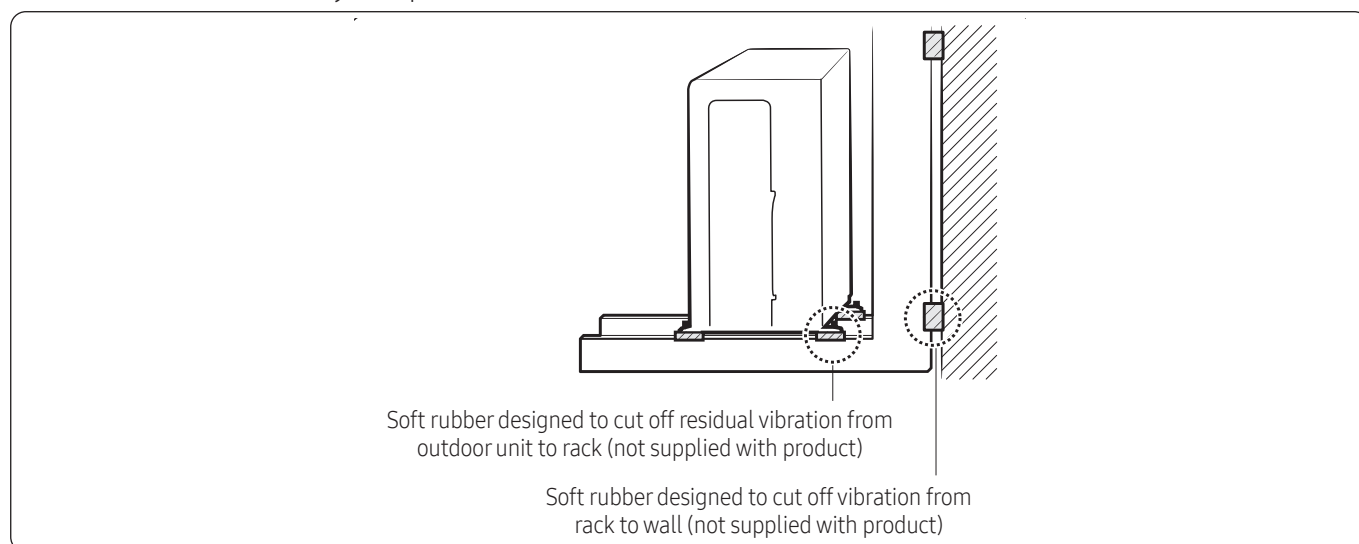
11. Installation

On the ground

WARNING

- The unit must be properly secured to the wall. If the unit falls, it may result in crushing, electric shock, fire, or explosion that could cause death, severe personal injury, or property damage.

- 1 At the selected installation location (Step 1-1 on page 6), attach the L-bracket to the wall as follows:
 - Install the bracket as close to the wall as possible.
 - Insert rubber isolators between the bracket and the wall to minimize sound and vibration to the structure. Do not fully compress the isolators.

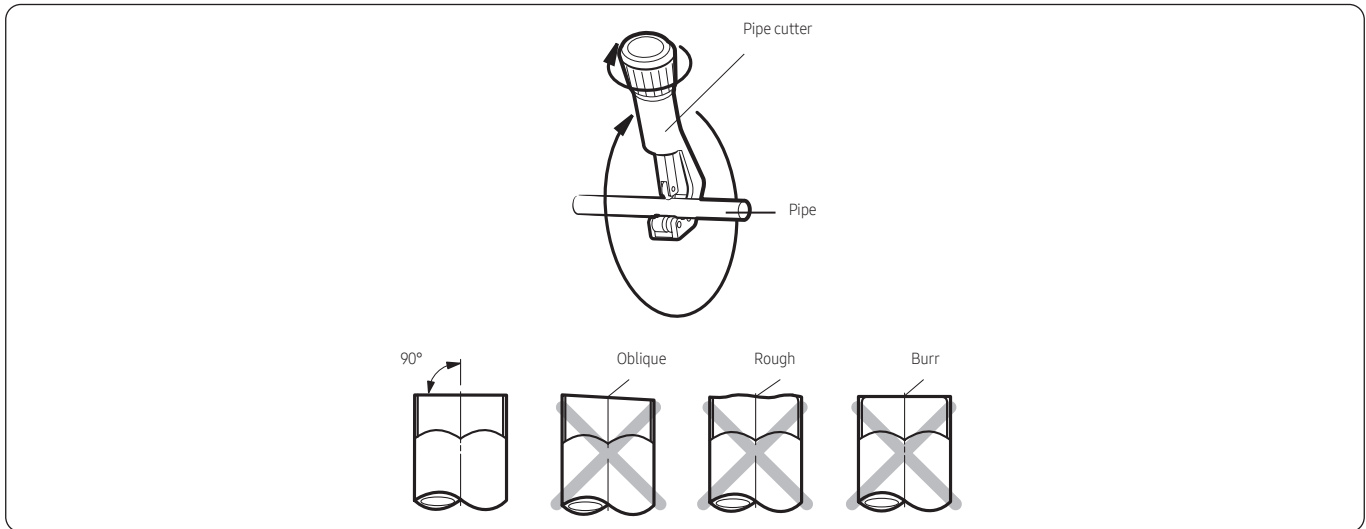


- Make sure that the bracket is level.
 - Use suitable bolts/washers and lock washers.
- 2 Place the outdoor unit on the bracket, ensuring proper clearances and with the arrow on top of the unit pointing away from the wall.
 - 3 Clip the rubber feet to the tabs to minimize sound and vibration to the structure.
 - 4 Level the unit, then use anchor bolts to secure it at the four mounting points.
 - 5 For installations in locations that require seismic or hurricane tie downs, comply with local codes.

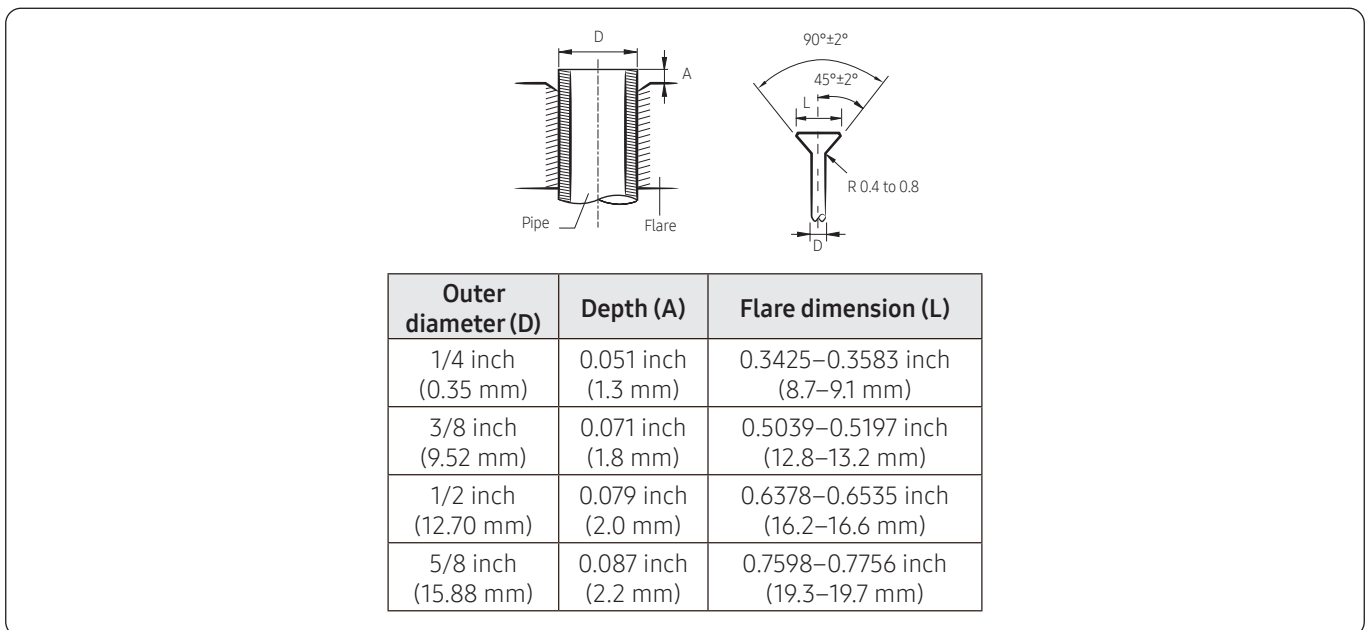
11. Installation

Connecting the cables and the pipes

- 1 Route the piping bundle to the outdoor unit.
- 2 Use piping clamps to fasten the piping bundle to the foundation or wall.
- 3 Cut the refrigerant pipes to the length needed to reach the pipe connections (located behind the cover panel; see the figure in step 7).

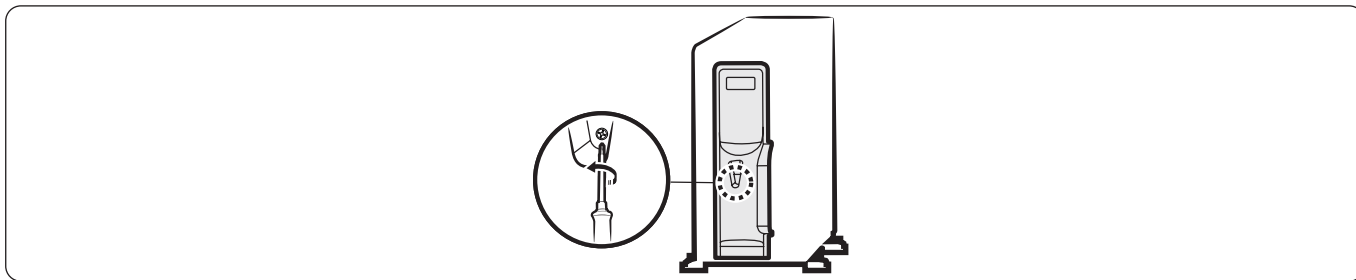


- 4 Remove any burrs, positioning the pipe face down to make sure that the burrs do not get into the pipe.
- 5 Assemble the flare connections on the cut pipe ends.

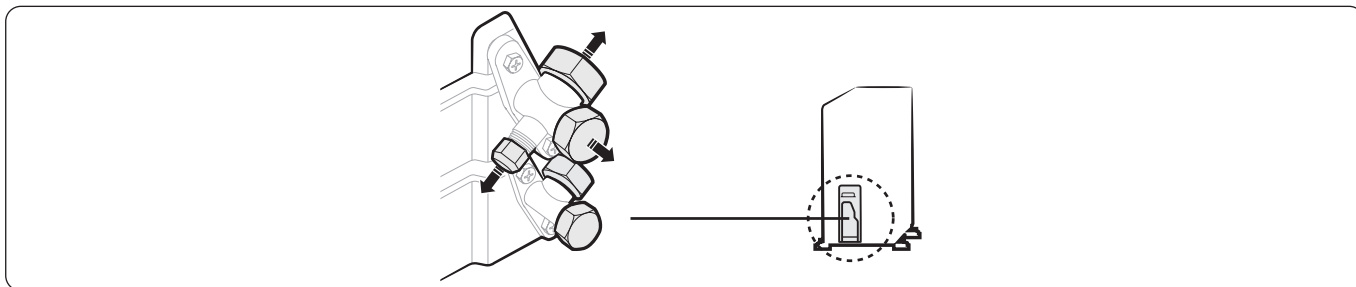


- 6 Remove the cover panel on the unit.

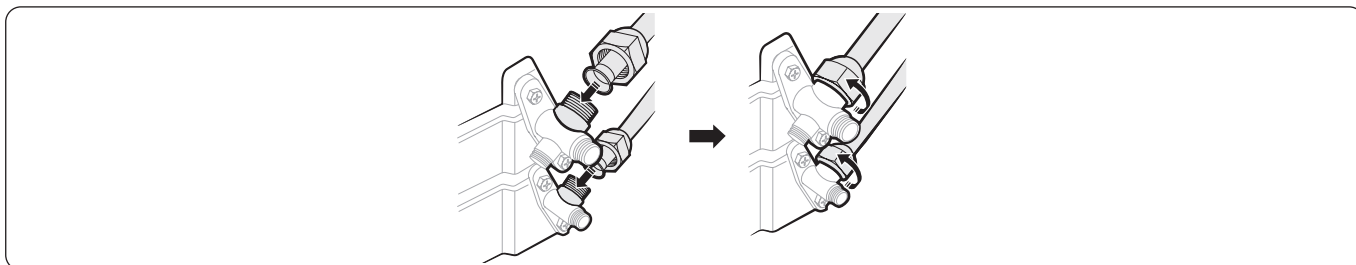
11. Installation



7 Remove the service valve caps.

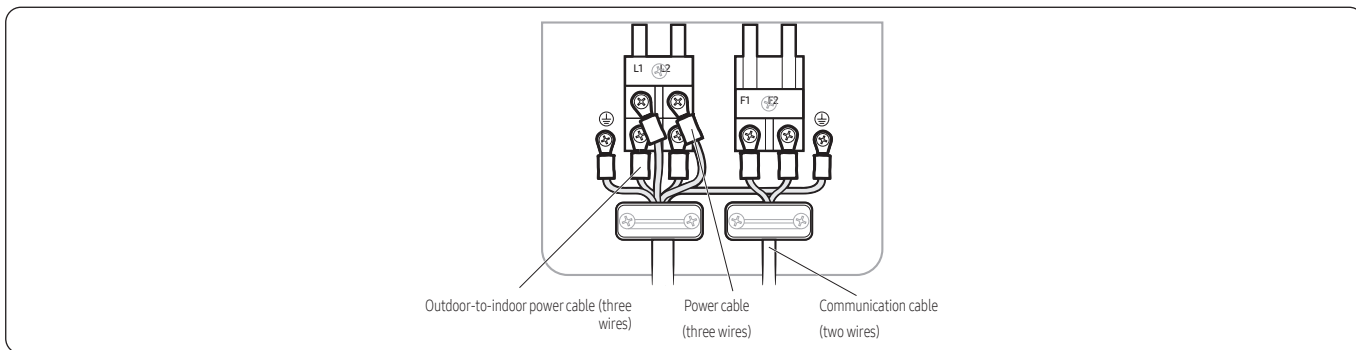


8 Connect the pipes to the service valve with the flare nuts. Hand-tighten the nuts to prevent stripping.



9 Torque the flare connections to the values in Step 2-3, step 7.

10 Connect the power cables and secure with a cable clamp.



11 Connect the outdoor unit power supply cable to the preinstalled disconnect switch.

12 Leave the cover panel off for testing later in the installation process.



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