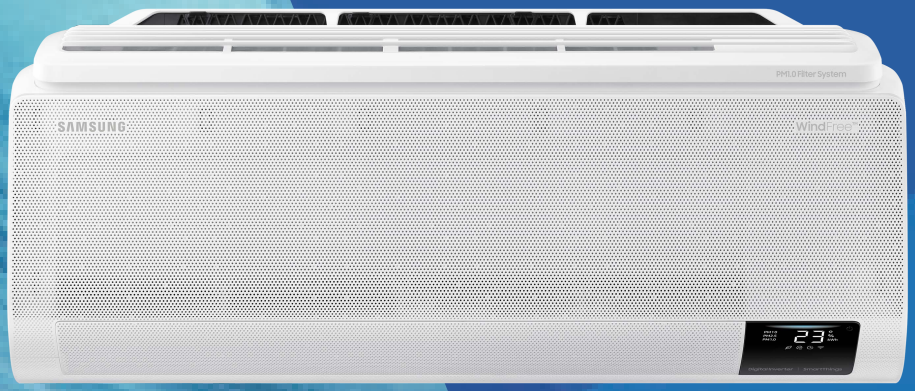
SAMSUNG

RAC Technical Data Book

RAC for North America (R32, 60Hz, Heat Pump)



Model : RNX**A*D (AR**DX*A*WKNCV) + RXX**A*D (AR**CSDA*WKXCV)

History

Version	Modification	Date	Remark
Ver. 1.0	Released 2024 RAC for North America	24. 10. 16	
Ver. 1.1	Updated the product name	24. 11. 12	
Ver. 1.2	Updated the Specification page	25. 06. 27	

Nomenclature

US Code

Model Name

R	N	X	15	A	B	D
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Classification

R	RAC

(2) Product Type

N	Indoor Unit
X	Outdoor Unit

(3) Mode

X	Inverter HP R32

(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™* Premium
C	WindFree™* Max Heat®
M	WindFree™* Standard WindFree™* IAQ

(7) YEAR

D	2024

Nomenclature

Model Name

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

(1) Classification

AR	RAC

(2) Capacity

x1000 Btu/h (2 digits)

(3) Year

B	2022
C	2023
D	2024

(4) Product Type

X	INVERTER HP R32

(5) Characteristics

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

(6) Design Segment

A	WindFree GEO
C	WindFree AIRISE

(7) Version

A-Z (1 digit)

(8) Color

WK	DA White

(9) Set

N	Indoor Unit
X	Outdoor Unit
/	Set

Lineup

Indoor Unit

Model Type	Design	Image	
WindFree™* Max Heat®	WindFree™* GEO		
WindFree™* Premium			
WindFree™* Standard			
WindFree™* IAQ	WindFree™* GEO		

Model Type	Design	Capacity (K Btu/h)				
		9	12	15	18	24
WindFree™* Max Heat®	WindFree™* GEO	●	●	●	●	●
WindFree™* Premium						
WindFree™* Standard						
WindFree™* IAQ						

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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	Capacity (K Btu/h)				
	9	12	15	18	24
WindFree™* Max Heat®					
WindFree™* Premium					
WindFree™* Standard					
WindFree™* IAQ					

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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).

Contents

1. Specification

WindFree™* Max Heat®

Model Name		Indoor Unit			AR09DXDABWKNCV	AR12DXDABWKNCV	AR15DXDABWKNCV
		Outdoor Unit			AR09DXDACWKXCV	AR12DXDACWKXCV	AR15DXDACWKXCV
US Code		Indoor Unit			RNX09ABD	RNX12ABD	RNX15ABD
		Outdoor Unit			RXX09ACD	RXX12ACD	RXX15ACD
System	Mode			-	Heat Pump	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.81	0.879 / 3.517 / 4.689	1.319 / 4.396 / 6.448
				Btu/h	3,000 / 9,000 / 13,000	3,000 / 12,000 / 16,000	4,500 / 15,000 / 22,000
				US RT	0.25 / 0.75 / 1.08	0.25 / 1.00 / 1.33	0.38 / 1.25 / 1.83
			Heating	kW	0.703 / 3.224 / 6.741	0.762 / 3.517 / 7.034	1.319 / 4.396 / 10.257
				Btu/h	2,400 / 11,000 / 23,000	2,600 / 12,000 / 24,000	4,500 / 15,000 / 35,000
				US RT	0.20 / 0.92 / 1.92	0.22 / 1.00 / 2.00	0.38 / 1.25 / 2.92
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.55 / 0.93	0.18 / 0.85 / 1.4	0.25 / 1.03 / 1.95
			Heating	kW	0.15 / 0.73 / 2.05	0.15 / 0.81 / 2.25	0.23 / 0.95 / 3.35
		Current Input (Min/Std/Max)	Cooling	A	1.1 / 2.8 / 4.5	1.2 / 4.2 / 6.3	1.7 / 4.8 / 8.6
			Heating	A	1 / 3.4 / 9	1.1 / 3.8 / 10	1.6 / 4.3 / 15.5
		Current	MCA	A	12	12.5	21
			MOP	A	20	20	30
	Efficiency	EER2	Cooling	(Btu/h)/W	16.35	14.10	14.55
		COP	Heating	W/W	4.41	4.34	4.63
		SEER2		(Btu/h)/W	25.0	24.0	23.0
		HSPF2		(Btu/h)/W	10.5	10.5	11.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75	0.75
				AWG	18	18	18
			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		-	R32	R32	R32
		Factory Charging		Kg (lbs)	0.965 (2.13)	0.965 (2.13)	1.5 (3.31)
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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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
				CFM	392 / 357 / 304 / 251	427 / 374 / 321 / 251	579 / 533 / 466 / 399
			Heating (T/H/M/L)	CMM	12.1 / 11.1 / 9.6 / 8.1	13.1 / 11.6 / 10.1 / 8.1	17 / 15.7 / 13.9 / 12
				CFM	427 / 392 / 339 / 286	463 / 410 / 357 / 286	600 / 554 / 491 / 424
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	38 / 22	39 / 22	41 / 25
	External Dimension	Net Weight		Kg (lbs)	10.5 (23.1)	10.5 (23.1)	12.4 (27.3)
		Shipping Weight		Kg (lbs)	11.8 (26)	11.8 (26)	14 (30.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included	Included
		Wired remote control		-	-	-	-

1. Specification

WindFree™* Max Heat®

Model Name		Indoor Unit			AR09DXDABWKNCV	AR12DXDABWKNCV	AR15DXDABWKNCV
		Outdoor Unit			AR09DXDACWKXCV	AR12DXDACWKXCV	AR15DXDACWKXCV
US Code		Indoor Unit			RNX09ABD	RNX12ABD	RNX15ABD
		Outdoor Unit			RXX09ACD	RXX12ACD	RXX15ACD
Indoor Unit	Drain Pump	Drain Pump		-	-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-	-
	Additional Accessories	Drain Pump	External	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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		Wx n	40 x 1	40 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	46	48
	External Dimension	Net Weight		Kg (lbs)	32.2 (71)	32.2 (71)	49 (108)
		Shipping Weight		Kg (lbs)	34.6 (76.3)	34.6 (76.3)	52.5 (115.7)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

Model Name		Indoor Unit			AR18DXDABWKNCV	AR24DXDABWKNCV
		Outdoor Unit			AR18DXDACWKXCV	AR24DXDACWKXCV
US Code		Indoor Unit			RNX18ABD	RNX24ABD
		Outdoor Unit			RXX18ACD	RXX24ACD
System	Mode			-	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	2.198 / 5.422 / 7.327	2.491 / 6.448 / 9.085
				Btu/h	7,500 / 18,500 / 25,000	8,500 / 22,000 / 31,000
				US RT	0.62 / 1.54 / 2.08	0.71 / 1.83 / 2.58
			Heating	kW	2.198 / 5.861 / 12.016	2.198 / 7.327 / 12.456
				Btu/h	7,500 / 20,000 / 41,000	7,500 / 25,000 / 42,500
				US RT	0.62 / 1.67 / 3.42	0.62 / 2.08 / 3.54
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.47 / 1.4 / 2.55	0.48 / 1.72 / 3.1
			Heating	kW	0.5 / 1.52 / 4.1	0.44 / 1.98 / 4.2
		Current Input (Min/Std/Max)	Cooling	A	2.5 / 6.5 / 11.2	2.7 / 7.8 / 13.7
			Heating	A	2.6 / 7 / 18	2.6 / 9 / 18.5
		Current	MCA	A	21	21
			MOP	A	30	30
	Efficiency	EER2	Cooling	(Btu/h)/W	13.20	12.80
		COP	Heating	W/W	3.85	3.71
		SEER2		(Btu/h)/W	21.0	20.0
		HSPF2		(Btu/h)/W	9.7	9.5
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75
				AWG	18	18
			Remark	-	F1,F2	F1,F2
		Power Supply		-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit
	Refrigerant	Type		-	R32	R32
		Factory Charging		Kg (lbs)	2 (4.41)	2 (4.41)
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		-	Hydrophile Coating	Hydrophile Coating
	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 / 533 / 466 / 399	713 / 622 / 533 / 445
			Heating (T/H/M/L)	CMM	17 / 15.7 / 13.9 / 12	20.2 / 17.6 / 15.1 / 12.6
				CFM	600 / 554 / 491 / 424	713 / 622 / 533 / 445
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	42 / 25	47 / 28
	External Dimension	Net Weight		Kg (lbs)	12.4 (27.3)	12.4 (27.3)
		Shipping Weight		Kg (lbs)	14 (30.9)	14 (30.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included
		Wired remote control		-	-	-

1. Specification

WindFree™* Max Heat®

Model Name		Indoor Unit			AR18DXDABWKNCV	AR24DXDABWKNCV
		Outdoor Unit			AR18DXDACWKXCV	AR24DXDACWKXCV
US Code		Indoor Unit			RNX18ABD	RNX24ABD
		Outdoor Unit			RXX18ACD	RXX24ACD
Indoor Unit	Drain Pump	Drain Pump		-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-
	Additional Accessories	Drain Pump	External	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating
	Compressor	Model Name		-	UB8TN8265FJW	UB8TN8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	8.02	8.02
		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	80	80
				CFM	2,825	2,825
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	51	54
	External Dimension	Net Weight		Kg (lbs)	68.2 (150.4)	68.2 (150.4)
		Shipping Weight		Kg (lbs)	73.5 (162)	73.5 (162)
		Net Dimensions (WxHxD)		㎜	940 x 998 x 330	940 x 998 x 330
				inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
		Shipping Dimensions (WxHxD)		㎜	995 x 1,096 x 426	995 x 1,096 x 426
				inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
	Casing	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

Model Name		Indoor Unit			AR09DXDABWKNCV	AR12DXDABWKNCV	AR15DXDABWKNCV
		Outdoor Unit			AR09DXDABWKXCV	AR12DXDABWKXCV	AR15DXDABWKXCV
US Code		Indoor Unit			RNX09ABD	RNX12ABD	RNX15ABD
		Outdoor Unit			RXX09ABD	RXX12ABD	RXX15ABD
System	Mode			-	Heat Pump	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	0.879 / 2.638 / 3.81	0.879 / 3.517 / 4.689	1.319 / 4.396 / 6.448
				Btu/h	3,000 / 9,000 / 13,000	3,000 / 12,000 / 16,000	4,500 / 15,000 / 22,000
				US RT	0.25 / 0.75 / 1.08	0.25 / 1.00 / 1.33	0.38 / 1.25 / 1.83
			Heating	kW	0.703 / 3.224 / 6.741	0.762 / 3.517 / 7.034	1.319 / 4.396 / 10.257
				Btu/h	2,400 / 11,000 / 23,000	2,600 / 12,000 / 24,000	4,500 / 15,000 / 35,000
				US RT	0.20 / 0.92 / 1.92	0.22 / 1.00 / 2.00	0.38 / 1.25 / 2.92
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.55 / 0.93	0.18 / 0.85 / 1.4	0.25 / 1.03 / 1.95
			Heating	kW	0.15 / 0.73 / 2.05	0.15 / 0.81 / 2.25	0.23 / 0.95 / 3.35
		Current Input (Min/Std/Max)	Cooling	A	1.1 / 2.8 / 4.5	1.2 / 4.2 / 6.3	1.7 / 4.8 / 8.6
			Heating	A	1 / 3.4 / 9	1.1 / 3.8 / 10	1.6 / 4.3 / 15.5
		Current	MCA	A	12	12.5	21
			MOP	A	20	20	30
	Efficiency	EER2	Cooling	(Btu/h)/W	16.35	14.10	14.55
		COP	Heating	W/W	4.41	4.34	4.63
		SEER2		(Btu/h)/W	25.0	24.0	23.0
		HSPF2		(Btu/h)/W	10.5	10.5	11.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75	0.75
				AWG	18	18	18
			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		-	R32	R32	R32
		Factory Charging		Kg (lbs)	0.965 (2.13)	0.965 (2.13)	1.5 (3.31)
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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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
				CFM	392 / 357 / 304 / 251	427 / 374 / 321 / 251	579 / 533 / 466 / 399
			Heating (T/H/M/L)	CMM	12.1 / 11.1 / 9.6 / 8.1	13.1 / 11.6 / 10.1 / 8.1	17 / 15.7 / 13.9 / 12
				CFM	427 / 392 / 339 / 286	463 / 410 / 357 / 286	600 / 554 / 491 / 424
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	38 / 22	39 / 22	41 / 25
	External Dimension	Net Weight		Kg (lbs)	10.5 (23.1)	10.5 (23.1)	12.4 (27.3)
		Shipping Weight		Kg (lbs)	11.8 (26)	11.8 (26)	14 (30.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included	Included
		Wired remote control		-	-	-	-

1. Specification

WindFree™* Premium

Model Name		Indoor Unit			AR09DXDABWKNCV	AR12DXDABWKNCV	AR15DXDABWKNCV
		Outdoor Unit			AR09DXDABWKXCV	AR12DXDABWKXCV	AR15DXDABWKXCV
US Code		Indoor Unit			RNX09ABD	RNX12ABD	RNX15ABD
		Outdoor Unit			RXX09ABD	RXX12ABD	RXX15ABD
Indoor Unit	Drain Pump	Drain Pump		-	-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-	-
	Additional Accessories	Drain Pump	External	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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		Wx n	40 x 1	40 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	46	48
	External Dimension	Net Weight		Kg (lbs)	31.4 (69.2)	31.4 (69.2)	49 (108)
		Shipping Weight		Kg (lbs)	33.8 (74.5)	33.8 (74.5)	52.5 (115.7)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

Model Name		Indoor Unit			AR18DXDABWKNCV	AR24DXDABWKNCV
		Outdoor Unit			AR18DXDABWKXCV	AR24DXDABWKXCV
US Code		Indoor Unit			RNX18ABD	RNX24ABD
		Outdoor Unit			RXX18ABD	RXX24ABD
System	Mode			-	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	2.198 / 5.422 / 7.327	2.491 / 6.448 / 9.085
				Btu/h	7,500 / 18,500 / 25,000	8,500 / 22,000 / 31,000
				US RT	0.62 / 1.54 / 2.08	0.71 / 1.83 / 2.58
			Heating	kW	2.198 / 5.861 / 12.016	2.198 / 7.327 / 12.456
				Btu/h	7,500 / 20,000 / 41,000	7,500 / 25,000 / 42,500
				US RT	0.62 / 1.67 / 3.42	0.62 / 2.08 / 3.54
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.47 / 1.4 / 2.55	0.48 / 1.72 / 3.1
			Heating	kW	0.5 / 1.52 / 4.1	0.44 / 1.98 / 4.2
		Current Input (Min/Std/Max)	Cooling	A	2.5 / 6.5 / 11.2	2.7 / 7.8 / 13.7
			Heating	A	2.6 / 7 / 18	2.6 / 9 / 18.5
		Current	MCA	A	21	21
			MOP	A	30	30
	Efficiency	EER2	Cooling	(Btu/h)/W	13.20	12.80
		COP	Heating	W/W	3.85	3.71
		SEER2		(Btu/h)/W	21.0	20.0
		HSPF2		(Btu/h)/W	9.7	9.5
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75
				AWG	18	18
			Remark	-	F1,F2	F1,F2
		Power Supply		-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit
	Refrigerant	Type		-	R32	R32
		Factory Charging		Kg (lbs)	2 (4.41)	2 (4.41)
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		-	Hydrophile Coating	Hydrophile Coating
	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 / 533 / 466 / 399	713 / 622 / 533 / 445
			Heating (T/H/M/L)	CMM	17 / 15.7 / 13.9 / 12	20.2 / 17.6 / 15.1 / 12.6
				CFM	600 / 554 / 491 / 424	713 / 622 / 533 / 445
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	42 / 25	47 / 28
	External Dimension	Net Weight		Kg (lbs)	12.4 (27.3)	12.4 (27.3)
		Shipping Weight		Kg (lbs)	14 (30.9)	14 (30.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included
		Wired remote control		-	-	-

1. Specification

WindFree™* Premium

Model Name		Indoor Unit			AR18DXDABWKNCV	AR24DXDABWKNCV
		Outdoor Unit			AR18DXDABWKXCV	AR24DXDABWKXCV
US Code		Indoor Unit			RNX18ABD	RNX24ABD
		Outdoor Unit			RXX18ABD	RXX24ABD
Indoor Unit	Drain Pump	Drain Pump		-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-
	Additional Accessories	Drain Pump	External	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating
	Compressor	Model Name		-	UB8TN8265FJW	UB8TN8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	8.02	8.02
		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	80	80
				CFM	2,825	2,825
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	51	54
	External Dimension	Net Weight		Kg (lbs)	68.2 (150.4)	68.2 (150.4)
		Shipping Weight		Kg (lbs)	73.5 (162)	73.5 (162)
		Net Dimensions (WxHxD)		㎜	940 x 998 x 330	940 x 998 x 330
				inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
		Shipping Dimensions (WxHxD)		㎜	995 x 1,096 x 426	995 x 1,096 x 426
				inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

Model Name		Indoor Unit			AR09DXFAMWKNCV	AR12DXFAMWKNCV	AR15DXFAMWKNCV
		Outdoor Unit			AR09DXFAMWKXCV	AR12DXFAMWKXCV	AR15DXFAMWKXCV
US Code		Indoor Unit			RNX09AMD	RNX12AMD	RNX15AMD
		Outdoor Unit			RXX09AMD	RXX12AMD	RXX15AMD
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 / 4.543	1.612 / 4.396 / 5.861
				Btu/h	3,000 / 9,000 / 12,000	3,000 / 12,000 / 15,500	5,500 / 15,000 / 20,000
				US RT	0.25 / 0.75 / 1.00	0.25 / 1.00 / 1.29	0.46 / 1.25 / 1.67
			Heating	kW	0.645 / 3.224 / 6.741	0.645 / 3.517 / 6.741	1.172 / 4.396 / 7.62
				Btu/h	2,200 / 11,000 / 23,000	2,200 / 12,000 / 23,000	4,000 / 15,000 / 26,000
				US RT	0.18 / 0.92 / 1.92	0.18 / 1.00 / 1.92	0.33 / 1.25 / 2.17
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.6 / 0.96	0.17 / 0.905 / 1.4	0.3 / 1.16 / 1.8
			Heating	kW	0.14 / 0.8 / 2.2	0.14 / 0.92 / 2.25	0.27 / 1.11 / 2.3
		Current Input (Min/Std/Max)	Cooling	A	1.1 / 3.1 / 4.5	1.1 / 4.8 / 6.2	2 / 5.3 / 8
			Heating	A	1 / 3.8 / 10	1 / 4.6 / 10	2.2 / 5.2 / 10.1
		Current	MCA	A	12	12.5	16
			MOP	A	20	20	25
	Efficiency	EER2	Cooling	(Btu/h)/W	15.00	13.25	12.95
		COP	Heating	W/W	4.03	3.82	3.96
		SEER2		(Btu/h)/W	25.0	24.0	21.5
		HSPF2		(Btu/h)/W	9.0	9.0	10.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75	0.75
				AWG	18	18	18
			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		-	R32	R32	R32
		Factory Charging		Kg (lbs)	0.965 (2.13)	0.965 (2.13)	1.15 (2.54)
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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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 / 12.6
				CFM	364 / 346 / 328 / 297	378 / 364 / 328 / 297	586 / 540 / 494 / 445
			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 / 12.6
				CFM	396 / 378 / 364 / 328	413 / 396 / 364 / 328	586 / 540 / 494 / 445
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	38 / 22	39 / 22	41 / 27
	External Dimension	Net Weight		Kg (lbs)	9.2 (20.3)	9.2 (20.3)	11.5 (25.4)
		Shipping Weight		Kg (lbs)	10.4 (22.9)	10.4 (22.9)	13.1 (28.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included	Included
		Wired remote control		-	-	-	-

1. Specification

WindFree™* Standard

Model Name		Indoor Unit			AR09DXFAMWKNCV	AR12DXFAMWKNCV	AR15DXFAMWKNCV
		Outdoor Unit			AR09DXFAMWKXCV	AR12DXFAMWKXCV	AR15DXFAMWKXCV
US Code		Indoor Unit			RNX09AMD	RNX12AMD	RNX15AMD
		Outdoor Unit			RXX09AMD	RXX12AMD	RXX15AMD
Indoor Unit	Drain Pump	Drain Pump		-	-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-	-
	Additional Accessories	Drain Pump	External	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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	50
				CFM	1,589	1,589	1,766
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	40 x 1	40 x 1	40 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	46	51
	External Dimension	Net Weight		Kg (lbs)	31.4 (69.2)	31.4 (69.2)	37.8 (83.3)
		Shipping Weight		Kg (lbs)	33.8 (74.5)	33.8 (74.5)	41 (90.4)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

Model Name		Indoor Unit			AR18DXFAMWKNCV	AR24DXFAMWKNCV
		Outdoor Unit			AR18DXFAMWKXCV	AR24DXFAMWKXCV
US Code		Indoor Unit			RNX18AMD	RNX24AMD
		Outdoor Unit			RXX18AMD	RXX24AMD
System	Mode			-	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.319 / 5.275 / 6.448	2.403 / 6.448 / 8.499
				Btu/h	4,500 / 18,000 / 22,000	8,200 / 22,000 / 29,000
				US RT	0.38 / 1.50 / 1.83	0.68 / 1.83 / 2.42
			Heating	kW	1.172 / 6.154 / 8.059	1.905 / 7.034 / 11.723
				Btu/h	4,000 / 21,000 / 27,500	6,500 / 24,000 / 40,000
				US RT	0.33 / 1.75 / 2.29	0.54 / 2.00 / 3.33
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.25 / 1.4 / 1.95	0.47 / 1.8 / 3
			Heating	kW	0.23 / 1.8 / 2.3	0.43 / 2.3 / 4
		Current Input (Min/Std/Max)	Cooling	A	1.7 / 6.2 / 8.6	2.5 / 8 / 13.5
			Heating	A	1.6 / 8 / 10.1	2.6 / 10.5 / 17.9
		Current	MCA	A	21	21
			MOP	A	30	30
	Efficiency	EER2	Cooling	(Btu/h)/W	12.85	12.20
		COP	Heating	W/W	3.41	3.06
		SEER2		(Btu/h)/W	21.5	20.0
		HSPF2		(Btu/h)/W	9.0	8.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75
				AWG	18	18
			Remark	-	F1,F2	F1,F2
		Power Supply		-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit
	Refrigerant	Type		-	R32	R32
		Factory Charging		Kg (lbs)	1.5 (3.31)	2 (4.41)
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		-	Hydrophile Coating	Hydrophile Coating
	Fan	Type		-	Cross Flow	Cross Flow
		Quantity		EA	1	1
		Air Flow Rate	Cooling (T/H/M/L)	CMM	16.6 / 15.3 / 14 / 12.6	18.6 / 16.6 / 14.6 / 12.6
				CFM	586 / 540 / 494 / 445	657 / 586 / 516 / 445
			Heating (T/H/M/L)	CMM	16.6 / 15.3 / 14 / 12.6	18.6 / 16.6 / 14.6 / 12.6
				CFM	586 / 540 / 494 / 445	657 / 586 / 516 / 445
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	41 / 27	45 / 30
	External Dimension	Net Weight		Kg (lbs)	11.5 (25.4)	11.5 (25.4)
		Shipping Weight		Kg (lbs)	13.1 (28.9)	13.1 (28.9)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included
		Wired remote control		-	-	-

1. Specification

WindFree™* Standard

Model Name		Indoor Unit			AR18DXFAMWKNCV	AR24DXFAMWKNCV
		Outdoor Unit			AR18DXFAMWKXCV	AR24DXFAMWKXCV
US Code		Indoor Unit			RNX18AMD	RNX24AMD
		Outdoor Unit			RXX18AMD	RXX24AMD
Indoor Unit	Drain Pump	Drain Pump		-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-
	Additional Accessories	Drain Pump	External	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	-	-
		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		-	Hydrophile Coating	Hydrophile Coating
	Compressor	Model Name		-	KTN150D42UFR	UB8TN8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.68	8.02
		Oil	Type	-	POE	POE
			Initial charge	cc	450	700
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		CMM	57	80
				CFM	2,013	2,825
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	51	54
	External Dimension	Net Weight		Kg (lbs)	49 (108)	68.2 (150.4)
		Shipping Weight		Kg (lbs)	52.5 (115.7)	73.5 (162)
		Net Dimensions (WxHxD)		㎜	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 13
		Shipping Dimensions (WxHxD)		㎜	1,023 x 896 x 413	995 x 1,096 x 426
				inch	40-1/4 x 35-1/4 x 16-1/4	39-3/16 x 43-1/8 x 16-3/4
	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

Model Name		Indoor Unit			AR09DXKAPWKNCV	AR12DXKAPWKNCV	AR15DXKAPWKNCV
		Outdoor Unit			AR09DXFAMWKXCV	AR12DXFAMWKXCV	AR15DXFAMWKXCV
US Code		Indoor Unit			RNX09APD	RNX12APD	RNX15APD
		Outdoor Unit			RXX09AMD	RXX12AMD	RXX15AMD
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 / 4.543	1.612 / 4.396 / 5.861
				Btu/h	3,000 / 9,000 / 12,000	3,000 / 12,000 / 15,500	5,500 / 15,000 / 20,000
				US RT	0.25 / 0.75 / 1.00	0.25 / 1.00 / 1.29	0.46 / 1.25 / 1.67
			Heating	kW	0.645 / 3.224 / 6.741	0.645 / 3.517 / 6.741	1.172 / 4.396 / 7.62
				Btu/h	2,200 / 11,000 / 23,000	2,200 / 12,000 / 23,000	4,000 / 15,000 / 26,000
				US RT	0.18 / 0.92 / 1.92	0.18 / 1.00 / 1.92	0.33 / 1.25 / 2.17
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.16 / 0.6 / 0.96	0.17 / 0.905 / 1.4	0.3 / 1.16 / 1.8
			Heating	kW	0.14 / 0.8 / 2.2	0.14 / 0.92 / 2.25	0.27 / 1.11 / 2.3
		Current Input (Min/Std/Max)	Cooling	A	1.1 / 3.1 / 4.5	1.1 / 4.8 / 6.2	2 / 5.3 / 8
			Heating	A	1 / 3.8 / 10	1 / 4.6 / 10	2.2 / 5.2 / 10.1
		Current	MCA	A	12	12.5	16
			MOP	A	20	20	25
	Efficiency	EER2	Cooling	(Btu/h)/W	15.00	13.25	12.95
		COP	Heating	W/W	4.03	3.82	3.96
		SEER2		(Btu/h)/W	25.0	24.0	21.5
		HSPF2		(Btu/h)/W	9.0	9.0	10.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75	0.75
				AWG	18	18	18
			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		-	R32	R32	R32
		Factory Charging		Kg (lbs)	0.965 (2.13)	0.965 (2.13)	1.15 (2.54)
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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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 / 11.2 / 9.8 / 8.4	16.6 / 15.4 / 14.2 / 12.4
				CFM	413 / 378 / 346 / 297	427 / 396 / 346 / 297	586 / 544 / 501 / 438
			Heating (T/H/M/L)	CMM	12.6 / 11.7 / 10.7 / 9.3	13 / 12.1 / 10.7 / 9.3	16.6 / 15.4 / 14.2 / 12.4
				CFM	445 / 413 / 378 / 328	459 / 427 / 378 / 328	586 / 544 / 501 / 438
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550	16.3, 550
	Sound Level	Sound Pressure Level	H / Silent	dB(A)	38 / 22	39 / 22	41 / 27
	External Dimension	Net Weight		Kg (lbs)	10.5 (23.1)	10.5 (23.1)	13.1 (28.9)
		Shipping Weight		Kg (lbs)	11.8 (26)	11.8 (26)	14.9 (32.8)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included	Included
		Wired remote control		-	-	-	-

1. Specification

WindFree™* IAQ

Model Name		Indoor Unit			AR09DXKAPWKNCV	AR12DXKAPWKNCV	AR15DXKAPWKNCV
		Outdoor Unit			AR09DXFAMWKXCV	AR12DXFAMWKXCV	AR15DXFAMWKXCV
US Code		Indoor Unit			RNX09APD	RNX12APD	RNX15APD
		Outdoor Unit			RXX09AMD	RXX12AMD	RXX15AMD
Indoor Unit	Drain Pump	Drain Pump		-	-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-	-
	Additional Accessories	Drain Pump	External	-	-	-	-
			Internal Model	-	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	●	●	●
		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		-	Hydrophile Coating	Hydrophile Coating	Hydrophile Coating
	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	50
				CFM	1,589	1,589	1,766
	Fan Motor	Type		-	BLDC	BLDC	BLDC
		Output		Wx n	40 x 1	40 x 1	40 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	45	46	51
	External Dimension	Net Weight		Kg (lbs)	31.4 (69.2)	31.4 (69.2)	37.8 (83.3)
		Shipping Weight		Kg (lbs)	33.8 (74.5)	33.8 (74.5)	41 (90.4)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

Model Name		Indoor Unit			AR18DXKAPWKNCV	AR24DXKAPWKNCV
		Outdoor Unit			AR18DXFAMWKXCV	AR24DXFAMWKXCV
US Code		Indoor Unit			RNX18APD	RNX24APD
		Outdoor Unit			RXX18AMD	RXX24AMD
System	Mode			-	Heat Pump	Heat Pump
	Performance	Capacity (Min/Std/Max)	Cooling	kW	1.319 / 5.275 / 6.448	2.403 / 6.448 / 8.499
				Btu/h	4,500 / 18,000 / 22,000	8,200 / 22,000 / 29,000
				US RT	0.38 / 1.50 / 1.83	0.68 / 1.83 / 2.42
			Heating	kW	1.172 / 6.154 / 8.059	1.905 / 7.034 / 11.723
				Btu/h	4,000 / 21,000 / 27,500	6,500 / 24,000 / 40,000
				US RT	0.33 / 1.75 / 2.29	0.54 / 2.00 / 3.33
	Power	Power Input (Min/Std/Max)	Cooling	kW	0.25 / 1.4 / 1.95	0.47 / 1.8 / 3
			Heating	kW	0.23 / 1.8 / 2.3	0.43 / 2.3 / 4
		Current Input (Min/Std/Max)	Cooling	A	1.7 / 6.2 / 8.6	2.5 / 8 / 13.5
			Heating	A	1.6 / 8 / 10.1	2.6 / 10.5 / 17.9
		Current	MCA	A	21	21
			MOP	A	30	30
	Efficiency	EER2	Cooling	(Btu/h)/W	12.85	12.20
		COP	Heating	W/W	3.41	3.06
		SEER2		(Btu/h)/W	21.5	20.0
		HSPF2		(Btu/h)/W	9.0	8.0
	Piping Connections	Liquid Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(inch)	6.35 (1/4)	6.35 (1/4)
		Gas Pipe		Type	Flare connection	Flare connection
				Φ, ㎜(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.	㎟	0.75	0.75
				AWG	18	18
			Remark	-	F1,F2	F1,F2
		Power Supply		-	Outdoor unit powers indoor unit	Outdoor unit powers indoor unit
	Refrigerant	Type		-	R32	R32
		Factory Charging		Kg (lbs)	1.5 (3.31)	2 (4.41)
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		-	Hydrophile Coating	Hydrophile Coating
	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 / 544 / 501 / 438	646 / 586 / 523 / 438
			Heating (T/H/M/L)	CMM	16.6 / 15.4 / 14.2 / 12.4	18.3 / 16.6 / 14.8 / 12.4
				CFM	586 / 544 / 501 / 438	646 / 586 / 523 / 438
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	27 x 1	27 x 1
	Drain	Drain Pipe		Φ, ㎜	16.3, 550	16.3, 550
	Sound Level	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)	14.7 (32.4)	14.7 (32.4)
		Net Dimensions (WxHxD)		㎜	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)		㎜	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
	Casing	Material		-	HIPS	HIPS
	Control System	Infrared remote control		-	Included	Included
		Wired remote control		-	-	-

1. Specification

WindFree™* IAQ

Model Name		Indoor Unit			AR18DXKAPWKNCV	AR24DXKAPWKNCV
		Outdoor Unit			AR18DXFAMWKXCV	AR24DXFAMWKXCV
US Code		Indoor Unit			RNX18APD	RNX24APD
		Outdoor Unit			RXX18AMD	RXX24AMD
Indoor Unit	Drain Pump	Drain Pump		-	-	-
		Max.lifting Height/Displacement		㎜/ Liter/h	-	-
	Additional Accessories	Drain Pump	External	-	-	-
			Internal Model	-	-	-
			Max. lifting Height / Displacement	㎜/ Liter/h	-	-
		Easy Filter Plus		-	Removable / Washable	Removable / Washable
		PM1.0 Filter & PM1.0 sensor		-	●	●
		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		-	Hydrophile Coating	Hydrophile Coating
	Compressor	Model Name		-	KTN150D42UFR	UB8TN8265FJW
		Type		-	BLDC ROTARY	BLDC ROTARY
		Output		kW	4.68	8.02
		Oil	Type	-	POE	POE
			Initial charge	cc	450	700
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air Flow Rate		CMM	57	80
				CFM	2,013	2,825
	Fan Motor	Type		-	BLDC	BLDC
		Output		Wx n	125 x 1	125 x 1
	Sound Level	Sound Pressure Level	Cooling	dB(A)	51	54
	External Dimension	Net Weight		Kg (lbs)	49 (108)	68.2 (150.4)
		Shipping Weight		Kg (lbs)	52.5 (115.7)	73.5 (162)
		Net Dimensions (WxHxD)		㎜	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 13
		Shipping Dimensions (WxHxD)		㎜	1,023 x 896 x 413	995 x 1,096 x 426
				inch	40-1/4 x 35-1/4 x 16-1/4	39-3/16 x 43-1/8 x 16-3/4
	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.

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 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

RNX09ABD (AR09DXDABWKNCV)+RXX09ACD (AR09DXDACWKXCV)

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	10.9	8.8	0.5	10.5	8.4	0.5	10.5	8.4	0.6	11.1	8.9	0.7	11.6	9.3	0.7	12.0	9.6	0.7	13.0	10.4	0.8	14.0	11.2	0.7
32	11.2	9.0	0.4	10.9	8.7	0.4	11.0	8.8	0.5	11.6	9.3	0.6	12.2	9.7	0.6	12.6	10.1	0.6	13.6	10.9	0.6	14.7	11.7	0.6
50	11.6	9.3	0.3	11.2	9.0	0.4	11.3	9.1	0.5	12.0	9.6	0.6	12.6	10.0	0.6	13.0	10.4	0.6	14.0	11.2	0.6	15.1	12.0	0.6
68	11.7	9.4	0.4	11.4	9.1	0.4	11.5	9.2	0.5	12.1	9.7	0.6	12.7	10.1	0.7	13.1	10.5	0.7	14.1	11.3	0.7	15.1	12.1	0.6
85	11.4	9.2	0.4	11.1	8.9	0.5	11.2	8.9	0.6	11.8	9.4	0.7	12.3	9.8	0.8	12.7	10.2	0.8	13.7	10.9	0.8	14.7	11.7	0.8
95	11.0	8.8	0.5	10.6	8.5	0.6	10.7	8.5	0.7	11.2	9.0	0.8	9.0	7.2	0.6	12.2	9.8	0.9	13.1	10.5	0.9	14.1	11.3	0.9
104	10.4	8.3	0.6	10.0	8.0	0.7	10.0	8.0	0.8	10.6	8.4	0.9	11.1	8.9	1.0	11.5	9.2	1.0	12.3	9.9	1.0	13.3	10.6	1.0
110	9.8	7.9	0.7	9.4	7.5	0.8	9.5	7.6	0.9	10.0	8.0	1.0	10.4	8.4	1.1	10.8	8.7	1.1	11.7	9.4	1.1	12.6	10.1	1.1
115	9.3	7.5	0.7	8.9	7.1	0.8	8.9	7.1	1.0	9.4	7.5	1.1	9.8	7.9	1.2	10.2	8.2	1.2	11.1	8.9	1.2	11.9	9.6	1.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	6.8	1.1	6.7	1.1	6.6	1.1	6.6	1.2	6.5	1.2	6.5	1.4
-5	11.5	1.7	11.4	1.6	11.3	1.6	11.2	1.7	11.1	1.8	11.0	2.0
-4	11.7	1.7	11.6	1.6	11.5	1.7	11.4	1.7	11.3	1.8	11.2	2.0
0	12.4	1.7	12.3	1.7	12.2	1.7	12.1	1.8	12.0	1.9	11.8	2.0
5	13.2	1.8	13.1	1.7	13.0	1.8	12.9	1.8	12.8	1.9	12.5	2.1
14	14.2	1.8	14.2	1.7	14.0	1.8	13.9	1.8	13.7	1.9	13.4	2.1
23	14.9	1.7	14.8	1.7	14.6	1.7	14.5	1.8	14.3	1.9	14.0	2.0
32	15.4	1.6	15.3	1.6	15.0	1.6	14.9	1.7	14.6	1.8	14.2	1.9
41	15.7	1.4	15.6	1.4	15.3	1.5	15.1	1.5	14.9	1.6	14.4	1.8
47	15.9	1.3	15.8	1.3	15.5	1.4	11.0	0.7	15.0	1.5	14.5	1.7
55	16.2	1.2	16.1	1.2	15.8	1.3	15.5	1.3	15.2	1.4	14.6	1.5
65	16.9	1.1	16.7	1.1	16.4	1.2	16.1	1.2	15.7	1.3	15.0	1.4
75	17.9	1.0	17.8	1.0	17.3	1.1	17.0	1.2	16.6	1.2	15.8	1.3

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

RNX12ABD (AR12DXDABWKNCV)+RXX12ACD (AR12DXDACWKXCV)

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	11.5	9.4	0.5	11.7	9.3	0.6	12.0	9.5	0.7	12.5	9.9	0.8	12.9	10.3	0.9	13.3	10.6	0.9	14.2	11.4	0.9	15.5	12.4	0.9
32	11.1	9.1	0.3	11.4	9.1	0.5	11.7	9.3	0.6	12.3	9.8	0.7	12.8	10.3	0.7	13.2	10.6	0.7	14.2	11.4	0.7	15.6	12.4	0.7
50	11.8	9.7	0.3	12.2	9.7	0.5	12.5	9.9	0.6	13.1	10.5	0.7	13.6	10.9	0.7	14.1	11.3	0.7	15.1	12.1	0.7	16.4	13.1	0.7
68	12.6	10.3	0.4	12.9	10.3	0.6	13.2	10.5	0.7	13.9	11.0	0.8	14.4	11.5	0.9	14.8	11.8	0.9	15.8	12.7	0.9	17.1	13.7	0.8
85	12.7	10.4	0.5	13.0	10.4	0.7	13.4	10.6	0.9	14.0	11.1	1.0	14.4	11.6	1.1	14.8	11.9	1.1	15.8	12.7	1.1	17.2	13.7	1.1
95	12.4	10.1	0.6	12.7	10.1	0.9	13.0	10.3	1.0	13.6	10.8	1.2	12.0	9.6	0.9	14.4	11.6	1.2	15.4	12.4	1.2	16.7	13.4	1.2
104	11.7	9.6	0.7	12.0	9.6	1.0	12.3	9.7	1.2	12.8	10.2	1.3	13.3	10.6	1.4	13.7	10.9	1.4	14.6	11.7	1.4	15.9	12.7	1.4
110	11.0	9.0	0.8	11.3	9.0	1.1	11.6	9.2	1.3	12.1	9.6	1.4	12.5	10.0	1.5	12.9	10.3	1.5	13.8	11.1	1.5	15.1	12.1	1.5
115	10.3	8.4	0.9	10.5	8.4	1.1	10.8	8.6	1.3	11.3	9.0	1.5	11.7	9.4	1.6	12.1	9.7	1.6	13.0	10.5	1.6	14.3	11.4	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	6.7	1.2	6.3	1.1	6.2	1.1	6.2	1.2	6.3	1.3	6.4	1.5
-5	12.8	1.9	12.6	1.8	12.4	1.8	12.3	1.9	12.2	2.0	12.0	2.2
-4	13.1	1.9	12.8	1.8	12.6	1.9	12.5	1.9	12.4	2.0	12.2	2.2
0	14.0	2.0	13.8	1.9	13.6	2.0	13.5	2.0	13.3	2.1	13.0	2.3
5	14.9	2.0	14.8	2.0	14.6	2.0	14.4	2.1	14.2	2.2	13.9	2.4
14	16.1	2.0	16.1	2.0	15.8	2.0	15.7	2.1	15.4	2.2	15.0	2.4
23	16.7	1.9	16.8	1.9	16.6	2.0	16.4	2.0	16.1	2.1	15.5	2.3
32	16.9	1.8	17.1	1.8	16.9	1.8	16.7	1.9	16.4	2.0	15.7	2.2
41	16.7	1.6	17.1	1.6	17.0	1.7	16.8	1.7	16.4	1.8	15.6	2.0
47	16.5	1.5	17.0	1.5	17.0	1.5	12.0	0.8	16.4	1.7	15.5	1.8
55	16.2	1.3	16.8	1.3	16.9	1.4	16.7	1.4	16.3	1.5	15.4	1.7
65	15.8	1.1	16.7	1.1	16.9	1.2	16.7	1.3	16.3	1.3	15.3	1.5
75	15.7	1.0	16.8	1.1	17.1	1.1	16.9	1.2	16.5	1.2	15.5	1.3

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

RNX15ABD (AR15DXDABWKNCV)+RXX15ACD (AR15DXDACWKXCV)

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	13.1	11.3	0.9	14.4	11.4	0.9	15.3	12.0	0.9	16.7	12.5	1.0	17.3	13.3	1.0	18.1	12.9	1.0	19.2	13.3	1.0	20.4	13.3	1.0
32	13.5	11.7	0.9	14.8	11.8	0.9	15.8	12.4	0.9	17.2	12.9	0.9	17.8	13.7	1.0	18.7	13.3	1.0	19.8	13.7	1.0	21.0	13.8	1.0
50	13.9	11.8	0.8	15.1	11.9	0.8	16.1	12.5	0.9	17.6	12.9	0.9	18.2	13.7	0.9	19.0	13.3	0.9	20.1	13.7	0.9	21.3	13.7	0.9
68	14.3	11.9	0.8	15.4	12.0	0.8	16.5	12.5	0.8	17.9	12.9	0.8	18.6	13.7	0.9	19.3	13.3	0.9	20.4	13.6	0.9	21.5	13.6	0.9
85	15.7	13.0	1.4	17.1	13.1	1.5	18.3	13.7	1.5	20.0	14.2	1.5	20.8	15.1	1.5	21.6	14.7	1.5	22.9	15.0	1.6	24.3	15.1	1.6
95	16.7	13.7	1.9	18.3	13.8	1.9	19.6	14.5	1.9	21.4	15.0	2.0	15.0	12.0	1.0	23.2	15.6	2.0	24.6	16.0	2.0	26.0	16.0	2.0
104	15.5	12.7	2.1	17.0	12.9	2.1	18.2	13.5	2.1	19.9	14.0	2.2	20.6	14.8	2.2	21.5	14.5	2.2	22.8	14.9	2.2	24.2	14.9	2.2
110	14.8	12.1	2.2	16.1	12.2	2.2	17.3	12.8	2.2	18.9	13.3	2.3	19.6	14.1	2.3	20.4	13.7	2.3	21.7	14.1	2.4	23.0	14.2	2.4
115	15.2	12.2	0.6	16.2	12.2	0.7	17.4	12.7	0.7	18.8	13.0	0.7	19.7	13.9	0.7	20.2	13.3	0.7	21.3	13.6	0.8	22.2	13.4	0.8

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	7.8	1.6	7.7	1.7	7.6	1.7	7.5	1.7	7.5	1.7	7.4	1.7
-5	16.1	2.1	15.8	2.2	15.6	2.2	15.5	2.2	15.5	2.2	15.2	2.3
-4	16.6	2.2	16.3	2.2	16.1	2.2	15.9	2.2	15.9	2.3	15.7	2.3
0	17.8	2.2	17.5	2.3	17.3	2.3	17.1	2.3	17.1	2.4	16.9	2.4
5	19.3	2.4	19.1	2.4	18.8	2.4	18.6	2.5	18.6	2.5	18.3	2.5
14	21.0	2.3	20.7	2.4	20.4	2.4	20.2	2.4	20.2	2.5	19.9	2.5
23	22.8	2.3	22.4	2.4	22.1	2.4	21.9	2.4	21.7	2.5	21.5	2.5
32	24.5	2.3	24.1	2.4	23.7	2.4	23.5	2.4	23.3	2.4	23.0	2.5
41	25.2	2.2	24.8	2.3	24.4	2.3	24.2	2.3	24.0	2.3	23.7	2.4
47	25.7	2.2	25.3	2.2	24.9	2.2	15.0	1.0	24.5	2.3	24.2	2.3
55	26.4	2.1	25.9	2.1	25.5	2.2	25.3	2.2	25.1	2.2	24.8	2.2
65	27.2	2.0	26.8	2.0	26.3	2.0	26.1	2.1	25.9	2.1	25.6	2.1
75	28.0	1.9	27.6	1.9	27.1	1.9	26.9	1.9	26.7	2.0	26.3	2.0

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

RNX18ABD (AR18DXDABWKNCV)+RXX18ACD (AR18DXDACWKXCV)

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	19.2	16.3	1.3	21.0	16.5	1.3	22.4	17.3	1.4	24.4	18.0	1.4	25.2	19.1	1.5	26.5	18.6	1.4	28.1	19.1	1.5	29.8	19.2	1.5
32	19.5	16.5	1.3	21.3	16.7	1.3	22.7	17.6	1.3	24.8	18.2	1.4	25.6	19.4	1.5	26.9	18.9	1.4	28.5	19.4	1.5	30.2	19.5	1.4
50	19.7	16.4	1.2	21.4	16.5	1.2	22.9	17.3	1.3	24.9	17.9	1.3	25.8	19.0	1.4	26.9	18.5	1.4	28.4	18.9	1.4	30.0	18.9	1.4
68	19.3	15.9	1.3	20.9	16.0	1.3	22.3	16.7	1.4	24.3	17.2	1.4	25.2	18.3	1.5	26.2	17.8	1.5	27.7	18.2	1.5	29.2	18.1	1.5
85	18.4	15.0	1.7	20.1	15.1	1.7	21.4	15.8	1.7	23.4	16.4	1.8	24.3	17.4	1.8	25.3	16.9	1.8	26.8	17.4	1.8	28.3	17.4	1.8
95	17.9	14.5	1.9	19.6	14.6	1.9	21.0	15.3	1.9	22.9	15.9	2.0	18.0	14.4	1.4	24.8	16.5	2.0	26.3	16.9	2.0	27.9	16.9	2.0
104	16.0	12.9	2.1	17.4	13.0	2.2	18.7	13.7	2.2	20.4	14.2	2.2	21.2	15.0	2.3	22.1	14.7	2.3	23.5	15.0	2.3	24.9	15.1	2.3
110	14.7	11.8	2.3	16.0	12.0	2.3	17.2	12.6	2.4	18.7	13.0	2.4	19.4	13.8	2.4	20.3	13.5	2.5	21.6	13.8	2.5	22.8	13.9	2.5
115	13.6	11.0	2.4	14.9	11.1	2.5	15.9	11.7	2.5	17.4	12.1	2.6	18.1	12.8	2.6	18.9	12.5	2.6	20.1	12.9	2.6	21.2	12.9	2.7

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	11.6	2.3	11.4	2.4	11.2	2.4	11.1	2.4	11.1	2.5	11.0	2.5
-5	20.6	3.2	20.3	3.3	20.0	3.3	19.8	3.4	19.8	3.4	19.5	3.4
-4	21.1	3.3	20.8	3.3	20.5	3.4	20.3	3.4	20.3	3.4	20.0	3.5
0	21.6	3.4	21.3	3.5	21.0	3.5	20.8	3.5	20.8	3.6	20.5	3.6
5	22.3	3.6	22.0	3.6	21.7	3.7	21.4	3.7	21.5	3.7	21.1	3.8
14	24.4	3.6	24.0	3.6	23.6	3.7	23.4	3.7	23.3	3.8	23.0	3.8
23	26.4	3.6	26.0	3.6	25.6	3.7	25.4	3.7	25.2	3.8	24.9	3.8
32	26.8	3.2	26.4	3.3	25.9	3.3	25.7	3.4	25.5	3.4	25.2	3.4
41	26.8	2.8	26.4	2.8	25.9	2.9	25.7	2.9	25.5	2.9	25.2	3.0
47	26.9	2.6	26.4	2.7	26.0	2.7	20.0	1.5	25.6	2.8	25.3	2.8
55	27.1	2.6	26.7	2.6	26.3	2.7	26.1	2.7	25.8	2.7	25.5	2.8
65	27.5	2.6	27.0	2.6	26.6	2.7	26.4	2.7	26.1	2.7	25.8	2.8
75	27.8	2.6	27.4	2.6	26.9	2.7	26.7	2.7	26.5	2.7	26.1	2.7

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Max Heat®

RNX24ABD (AR24DXDABWKNCV)+RXX24ACD (AR24DXDACWKXCV)

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	20.1	16.1	1.4	22.0	16.3	1.4	23.5	17.1	1.4	25.6	17.8	1.5	26.4	18.9	1.6	27.8	18.4	1.5	29.4	18.9	1.6	31.2	19.0	1.6
32	20.5	16.4	1.3	22.4	16.6	1.3	23.9	17.4	1.4	26.1	18.1	1.4	26.9	19.2	1.5	28.2	18.7	1.5	30.0	19.2	1.5	31.8	19.3	1.5
50	20.5	16.0	1.3	22.2	16.2	1.3	23.7	17.0	1.4	25.8	17.5	1.4	26.8	18.6	1.5	27.9	18.1	1.4	29.5	18.5	1.5	31.2	18.5	1.5
68	20.2	15.7	1.3	21.9	15.8	1.4	23.4	16.5	1.4	25.4	17.0	1.5	26.4	18.1	1.6	27.4	17.5	1.5	28.9	17.9	1.6	30.5	17.9	1.6
85	20.8	16.0	2.3	22.7	16.1	2.3	24.3	16.9	2.4	26.4	17.5	2.4	27.5	18.6	2.5	28.6	18.1	2.5	30.3	18.5	2.5	32.1	18.5	2.6
95	21.3	16.2	2.9	23.3	16.4	3.0	24.9	17.2	3.0	27.2	17.8	3.1	22.0	17.6	1.7	29.5	18.5	3.1	31.3	19.0	3.2	33.2	19.0	3.2
104	18.4	14.1	2.8	20.1	14.2	2.8	21.6	14.9	2.9	23.5	15.4	2.9	24.4	16.4	3.0	25.5	16.0	3.0	27.1	16.4	3.0	28.7	16.4	3.1
110	16.5	12.6	2.7	18.1	12.7	2.8	19.3	13.4	2.8	21.1	13.9	2.9	21.9	14.7	2.9	22.9	14.3	2.9	24.3	14.7	2.9	25.8	14.8	3.0
115	15.0	11.5	2.7	16.4	11.6	2.7	17.6	12.1	2.8	19.2	12.6	2.8	19.9	13.3	2.8	20.8	13.0	2.8	22.1	13.4	2.9	23.4	13.4	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	12.0	2.3	11.9	2.4	11.7	2.4	11.6	2.4	11.6	2.4	11.4	2.5
-5	23.7	4.0	23.3	4.1	23.0	4.1	22.7	4.2	22.8	4.2	22.4	4.2
-4	24.3	4.1	24.0	4.2	23.7	4.2	23.4	4.3	23.4	4.3	23.1	4.4
0	24.8	4.0	24.5	4.1	24.1	4.1	23.9	4.1	23.9	4.2	23.5	4.2
5	25.4	3.9	25.1	3.9	24.7	4.0	24.4	4.0	24.5	4.0	24.1	4.1
14	26.7	3.6	26.3	3.7	25.9	3.7	25.7	3.7	25.6	3.8	25.2	3.8
23	28.0	3.3	27.5	3.4	27.1	3.5	26.9	3.5	26.6	3.5	26.3	3.6
32	29.5	3.3	29.1	3.4	28.6	3.4	28.4	3.4	28.1	3.5	27.8	3.5
41	28.2	2.7	27.8	2.7	27.3	2.8	27.1	2.8	26.8	2.8	26.5	2.9
47	28.2	2.4	27.8	2.5	27.3	2.5	25.0	2.0	26.9	2.6	26.6	2.6
55	30.1	2.5	29.7	2.5	29.2	2.6	29.0	2.6	28.7	2.6	28.4	2.7
65	32.5	2.6	32.0	2.6	31.5	2.7	31.3	2.7	31.0	2.7	30.6	2.7
75	35.0	2.7	34.4	2.7	33.9	2.7	33.6	2.8	33.3	2.8	32.9	2.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

RNX09ABD (AR09DXDABWKNCV)+RXX09ABD (AR09DXDABWKXCV)

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	9.2	8.8	0.6	10.0	8.9	0.6	10.7	9.3	0.6	11.7	9.7	0.6	12.0	10.3	0.7	12.6	10.0	0.7	13.4	10.3	0.7	14.2	10.3	0.7
32	9.4	9.0	0.6	10.3	9.1	0.6	11.0	9.6	0.6	12.0	9.9	0.6	12.4	10.5	0.6	13.0	10.3	0.6	13.8	10.6	0.6	14.6	10.6	0.6
50	9.6	9.0	0.5	10.4	9.1	0.6	11.1	9.5	0.6	12.1	9.8	0.6	12.6	10.4	0.6	13.1	10.1	0.6	13.8	10.4	0.6	14.6	10.4	0.6
68	9.7	9.0	0.5	10.5	9.0	0.5	11.2	9.5	0.6	12.2	9.8	0.6	12.7	10.4	0.6	13.2	10.1	0.6	13.9	10.3	0.6	14.7	10.3	0.6
85	9.4	8.6	0.7	10.2	8.7	0.8	10.9	9.1	0.8	11.9	9.4	0.8	12.3	10.0	0.8	12.8	9.7	0.8	13.6	9.9	0.8	14.4	9.9	0.8
95	9.1	8.3	0.9	9.9	8.4	0.9	10.7	8.8	0.9	11.6	9.1	0.9	9.0	7.2	0.6	12.6	9.4	0.9	13.4	9.7	1.0	14.2	9.7	1.0
104	8.4	7.6	1.0	9.2	7.7	1.0	9.8	8.1	1.0	10.7	8.4	1.0	11.1	8.9	1.0	11.6	8.7	1.1	12.3	8.9	1.1	13.1	8.9	1.1
110	7.9	7.2	1.1	8.6	7.3	1.1	9.2	7.6	1.1	10.1	7.9	1.1	10.5	8.4	1.1	10.9	8.2	1.1	11.6	8.4	1.1	12.3	8.4	1.1
115	7.5	6.9	1.1	8.2	6.9	1.1	8.8	7.3	1.1	9.6	7.5	1.2	10.0	8.0	1.2	10.4	7.8	1.2	11.1	8.0	1.2	11.7	8.0	1.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	11.4	1.5	11.3	1.5	11.1	1.6	11.0	1.6	11.0	1.6	10.8	1.6
-4	11.4	1.5	11.3	1.5	11.1	1.6	11.0	1.6	11.0	1.6	10.8	1.6
0	12.2	1.6	12.0	1.6	11.9	1.6	11.7	1.6	11.8	1.7	11.6	1.7
5	13.2	1.6	13.0	1.7	12.9	1.7	12.7	1.7	12.7	1.7	12.5	1.7
14	14.9	1.8	14.7	1.8	14.5	1.9	14.3	1.9	14.3	1.9	14.1	1.9
23	16.6	2.0	16.4	2.0	16.1	2.1	16.0	2.1	15.8	2.1	15.6	2.1
32	16.2	1.7	16.0	1.7	15.7	1.7	15.6	1.8	15.4	1.8	15.2	1.8
41	15.7	1.4	15.4	1.4	15.2	1.4	15.0	1.4	14.9	1.4	14.7	1.4
47	15.6	1.2	15.4	1.2	15.2	1.3	11.0	0.7	14.9	1.3	14.7	1.3
55	16.4	1.2	16.1	1.2	15.8	1.2	15.7	1.2	15.6	1.2	15.4	1.3
65	17.2	1.1	17.0	1.2	16.7	1.2	16.6	1.2	16.4	1.2	16.2	1.2
75	18.2	1.1	17.9	1.1	17.6	1.1	17.4	1.1	17.3	1.2	17.1	1.2

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

RNX12ABD (AR12DXDABWKNCV)+RXX12ABD (AR12DXDABWKXCV)

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	10.0	8.9	0.7	11.0	9.0	0.7	11.7	9.4	0.8	12.8	9.8	0.8	13.2	10.4	0.8	13.9	10.2	0.8	14.7	10.4	0.8	15.6	10.5	0.8
32	10.3	9.1	0.7	11.3	9.2	0.7	12.0	9.7	0.7	13.1	10.0	0.7	13.6	10.7	0.8	14.2	10.4	0.8	15.1	10.7	0.8	16.0	10.7	0.8
50	10.4	9.0	0.7	11.3	9.1	0.7	12.1	9.5	0.7	13.1	9.9	0.7	13.6	10.5	0.8	14.2	10.2	0.7	15.0	10.4	0.8	15.9	10.4	0.8
68	10.6	9.1	0.6	11.5	9.1	0.7	12.2	9.6	0.7	13.3	9.9	0.7	13.8	10.5	0.7	14.4	10.2	0.7	15.2	10.4	0.7	16.0	10.4	0.7
85	11.1	9.4	1.1	12.1	9.5	1.1	13.0	10.0	1.1	14.1	10.3	1.1	14.7	11.0	1.1	15.3	10.7	1.1	16.2	10.9	1.2	17.1	10.9	1.2
95	11.5	9.7	1.3	12.5	9.8	1.3	13.4	10.2	1.4	14.7	10.6	1.4	12.0	9.6	0.9	15.9	11.0	1.4	16.9	11.3	1.4	17.9	11.3	1.5
104	10.2	8.6	1.4	11.2	8.7	1.4	11.9	9.1	1.4	13.0	9.4	1.5	13.5	10.0	1.5	14.2	9.8	1.5	15.0	10.0	1.5	15.9	10.1	1.5
110	9.4	7.9	1.4	10.2	8.0	1.4	11.0	8.4	1.5	12.0	8.7	1.5	12.4	9.2	1.5	13.0	9.0	1.5	13.8	9.2	1.5	14.6	9.2	1.6
115	8.7	7.3	1.5	9.5	7.4	1.5	10.2	7.8	1.5	11.1	8.1	1.5	11.6	8.6	1.6	12.1	8.3	1.6	12.8	8.6	1.6	13.6	8.6	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	12.6	1.7	12.4	1.7	12.2	1.7	12.1	1.8	12.1	1.8	11.9	1.8
-4	12.6	1.7	12.4	1.7	12.2	1.8	12.1	1.8	12.1	1.8	11.9	1.8
0	13.4	1.8	13.2	1.8	13.0	1.8	12.9	1.9	12.9	1.9	12.7	1.9
5	14.5	1.9	14.2	1.9	14.1	1.9	13.9	2.0	13.9	2.0	13.7	2.0
14	16.1	2.0	15.9	2.1	15.6	2.1	15.5	2.1	15.4	2.1	15.2	2.2
23	17.8	2.2	17.5	2.2	17.2	2.3	17.1	2.3	16.9	2.3	16.7	2.3
32	18.0	1.9	17.7	2.0	17.4	2.0	17.3	2.0	17.2	2.0	16.9	2.1
41	17.0	1.5	16.7	1.5	16.5	1.5	16.3	1.6	16.2	1.6	16.0	1.6
47	16.7	1.3	16.5	1.3	16.2	1.3	12.0	0.8	15.9	1.4	15.7	1.4
55	17.2	1.2	16.9	1.3	16.6	1.3	16.5	1.3	16.3	1.3	16.1	1.3
65	17.7	1.2	17.4	1.2	17.2	1.2	17.0	1.2	16.9	1.2	16.7	1.2
75	18.3	1.1	18.0	1.1	17.7	1.1	17.6	1.1	17.4	1.1	17.2	1.1

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

RNX15ABD (AR15DXDABWKNCV)+RXX15ABD (AR15DXDABWKXCV)

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	13.3	11.5	0.9	14.6	11.6	0.9	15.5	12.2	0.9	17.0	12.7	1.0	17.5	13.4	1.0	18.4	13.1	1.0	19.5	13.5	1.0	20.7	13.5	1.0
32	13.5	11.7	0.9	14.8	11.8	0.9	15.8	12.4	0.9	17.2	12.9	0.9	17.8	13.7	1.0	18.7	13.3	1.0	19.8	13.7	1.0	21.0	13.8	1.0
50	13.9	11.8	0.8	15.1	11.9	0.8	16.1	12.5	0.9	17.6	12.9	0.9	18.2	13.7	0.9	19.0	13.3	0.9	20.1	13.7	0.9	21.3	13.7	0.9
68	14.3	11.9	0.8	15.4	12.0	0.8	16.5	12.5	0.8	17.9	12.9	0.8	18.6	13.7	0.9	19.3	13.3	0.9	20.4	13.6	0.9	21.5	13.6	0.9
85	15.7	13.0	1.4	17.1	13.1	1.5	18.3	13.7	1.5	20.0	14.2	1.5	20.8	15.1	1.5	21.6	14.7	1.5	22.9	15.0	1.6	24.3	15.1	1.6
95	16.7	13.7	1.9	18.3	13.8	1.9	19.6	14.5	1.9	21.4	15.0	2.0	15.0	12.0	1.0	23.2	15.6	2.0	24.6	16.0	2.0	26.0	16.0	2.0
104	15.5	12.7	2.1	17.0	12.9	2.1	18.2	13.5	2.1	19.9	14.0	2.2	20.6	14.8	2.2	21.5	14.5	2.2	22.8	14.9	2.2	24.2	14.9	2.2
110	14.8	12.1	2.2	16.1	12.2	2.2	17.3	12.8	2.2	18.9	13.3	2.3	19.6	14.1	2.3	20.4	13.7	2.3	21.7	14.1	2.4	23.0	14.2	2.4
115	15.2	12.2	0.6	16.2	12.2	0.7	17.4	12.7	0.7	18.8	13.0	0.7	19.7	13.9	0.7	20.2	13.3	0.7	21.3	13.6	0.8	22.2	13.4	0.8

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	16.1	2.1	15.8	2.2	15.6	2.2	15.5	2.2	15.5	2.2	15.2	2.3
-4	16.6	2.2	16.3	2.2	16.1	2.2	15.9	2.2	15.9	2.3	15.7	2.3
0	17.8	2.2	17.5	2.3	17.3	2.3	17.1	2.3	17.1	2.4	16.9	2.4
5	19.3	2.4	19.1	2.4	18.8	2.4	18.6	2.5	18.6	2.5	18.3	2.5
14	21.0	2.3	20.7	2.4	20.4	2.4	20.2	2.4	20.2	2.5	19.9	2.5
23	22.8	2.3	22.4	2.4	22.1	2.4	21.9	2.4	21.7	2.5	21.5	2.5
32	24.5	2.3	24.1	2.4	23.7	2.4	23.5	2.4	23.3	2.4	23.0	2.5
41	25.2	2.2	24.8	2.3	24.4	2.3	24.2	2.3	24.0	2.3	23.7	2.4
47	25.7	2.2	25.3	2.2	24.9	2.2	15.0	1.0	24.5	2.3	24.2	2.3
55	26.4	2.1	25.9	2.1	25.5	2.2	25.3	2.2	25.1	2.2	24.8	2.2
65	27.2	2.0	26.8	2.0	26.3	2.0	26.1	2.1	25.9	2.1	25.6	2.1
75	28.0	1.9	27.6	1.9	27.1	1.9	26.9	1.9	26.7	2.0	26.3	2.0

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

RNX18ABD (AR18DXDABWKNCV)+RXX18ABD (AR18DXDABWKXCV)

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	19.3	16.4	1.3	21.1	16.6	1.3	22.5	17.4	1.3	24.6	18.1	1.4	25.4	19.2	1.5	26.6	18.7	1.4	28.3	19.3	1.5	30.0	19.3	1.5
32	19.5	16.5	1.3	21.3	16.7	1.3	22.7	17.6	1.3	24.8	18.2	1.4	25.6	19.4	1.5	26.9	18.9	1.4	28.5	19.4	1.5	30.2	19.5	1.4
50	19.7	16.4	1.2	21.4	16.5	1.2	22.9	17.3	1.3	24.9	17.9	1.3	25.8	19.0	1.4	26.9	18.5	1.4	28.4	18.9	1.4	30.0	18.9	1.4
68	19.3	15.9	1.3	20.9	16.0	1.3	22.3	16.7	1.4	24.3	17.2	1.4	25.2	18.3	1.5	26.2	17.8	1.5	27.7	18.2	1.5	29.2	18.1	1.5
85	18.4	15.0	1.7	20.1	15.1	1.7	21.4	15.8	1.7	23.4	16.4	1.8	24.3	17.4	1.8	25.3	16.9	1.8	26.8	17.4	1.8	28.3	17.4	1.8
95	17.9	14.5	1.9	19.6	14.6	1.9	21.0	15.3	1.9	22.9	15.9	2.0	18.0	14.4	1.4	24.8	16.5	2.0	26.3	16.9	2.0	27.9	16.9	2.0
104	16.0	12.9	2.1	17.4	13.0	2.2	18.7	13.7	2.2	20.4	14.2	2.2	21.2	15.0	2.3	22.1	14.7	2.3	23.5	15.0	2.3	24.9	15.1	2.3
110	14.7	11.8	2.3	16.0	12.0	2.3	17.2	12.6	2.4	18.7	13.0	2.4	19.4	13.8	2.4	20.3	13.5	2.5	21.6	13.8	2.5	22.8	13.9	2.5
115	13.6	11.0	2.4	14.9	11.1	2.5	15.9	11.7	2.5	17.4	12.1	2.6	18.1	12.8	2.6	18.9	12.5	2.6	20.1	12.9	2.6	21.2	12.9	2.7

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	20.6	3.2	20.3	3.3	20.0	3.3	19.8	3.4	19.8	3.4	19.5	3.4
-4	21.1	3.3	20.8	3.3	20.5	3.4	20.3	3.4	20.3	3.4	20.0	3.5
0	21.6	3.4	21.3	3.5	21.0	3.5	20.8	3.5	20.8	3.6	20.5	3.6
5	22.3	3.6	22.0	3.6	21.7	3.7	21.4	3.7	21.5	3.7	21.1	3.8
14	24.4	3.6	24.0	3.6	23.6	3.7	23.4	3.7	23.3	3.8	23.0	3.8
23	26.4	3.6	26.0	3.6	25.6	3.7	25.4	3.7	25.2	3.8	24.9	3.8
32	26.8	3.2	26.4	3.3	25.9	3.3	25.7	3.4	25.5	3.4	25.2	3.4
41	26.8	2.8	26.4	2.8	25.9	2.9	25.7	2.9	25.5	2.9	25.2	3.0
47	26.9	2.6	26.4	2.7	26.0	2.7	20.0	1.5	25.6	2.8	25.3	2.8
55	27.1	2.6	26.7	2.6	26.3	2.7	26.1	2.7	25.8	2.7	25.5	2.8
65	27.5	2.6	27.0	2.6	26.6	2.7	26.4	2.7	26.1	2.7	25.8	2.8
75	27.8	2.6	27.4	2.6	26.9	2.7	26.7	2.7	26.5	2.7	26.1	2.7

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Premium

RNX24ABD (AR24DXDABWKNCV)+RXX24ABD (AR24DXDABWKXCV)

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	16.3	1.3	22.2	16.5	1.3	23.7	17.3	1.4	25.9	17.9	1.5	26.7	19.0	1.5	28.0	18.6	1.5	29.7	19.1	1.5	31.5	19.2	1.5
32	20.5	16.4	1.3	22.4	16.6	1.3	23.9	17.4	1.4	26.1	18.1	1.4	26.9	19.2	1.5	28.2	18.7	1.5	30.0	19.2	1.5	31.8	19.3	1.5
50	20.5	16.0	1.3	22.2	16.2	1.3	23.7	17.0	1.4	25.8	17.5	1.4	26.8	18.6	1.5	27.9	18.1	1.4	29.5	18.5	1.5	31.2	18.5	1.5
68	20.2	15.7	1.3	21.9	15.8	1.4	23.4	16.5	1.4	25.4	17.0	1.5	26.4	18.1	1.6	27.4	17.5	1.5	28.9	17.9	1.6	30.5	17.9	1.6
85	20.8	16.0	2.3	22.7	16.1	2.3	24.3	16.9	2.4	26.4	17.5	2.4	27.5	18.6	2.5	28.6	18.1	2.5	30.3	18.5	2.5	32.1	18.5	2.6
95	21.3	16.2	2.9	23.3	16.4	3.0	24.9	17.2	3.0	27.2	17.8	3.1	22.0	17.6	1.7	29.5	18.5	3.1	31.3	19.0	3.2	33.2	19.0	3.2
104	18.4	14.1	2.8	20.1	14.2	2.8	21.6	14.9	2.9	23.5	15.4	2.9	24.4	16.4	3.0	25.5	16.0	3.0	27.1	16.4	3.0	28.7	16.4	3.1
110	16.5	12.6	2.7	18.1	12.7	2.8	19.3	13.4	2.8	21.1	13.9	2.9	21.9	14.7	2.9	22.9	14.3	2.9	24.3	14.7	2.9	25.8	14.8	3.0
115	15.0	11.5	2.7	16.4	11.6	2.7	17.6	12.1	2.8	19.2	12.6	2.8	19.9	13.3	2.8	20.8	13.0	2.8	22.1	13.4	2.9	23.4	13.4	2.9

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	23.7	4.0	23.3	4.1	23.0	4.1	22.7	4.2	22.8	4.2	22.4	4.2
-4	24.3	4.1	24.0	4.2	23.7	4.2	23.4	4.3	23.4	4.3	23.1	4.4
0	24.8	4.0	24.5	4.1	24.1	4.1	23.9	4.1	23.9	4.2	23.5	4.2
5	25.4	3.9	25.1	3.9	24.7	4.0	24.4	4.0	24.5	4.0	24.1	4.1
14	26.7	3.6	26.3	3.7	25.9	3.7	25.7	3.7	25.6	3.8	25.2	3.8
23	28.0	3.3	27.5	3.4	27.1	3.5	26.9	3.5	26.6	3.5	26.3	3.6
32	29.5	3.3	29.1	3.4	28.6	3.4	28.4	3.4	28.1	3.5	27.8	3.5
41	28.2	2.7	27.8	2.7	27.3	2.8	27.1	2.8	26.8	2.8	26.5	2.9
47	28.2	2.4	27.8	2.5	27.3	2.5	25.0	2.0	26.9	2.6	26.6	2.6
55	30.1	2.5	29.7	2.5	29.2	2.6	29.0	2.6	28.7	2.6	28.4	2.7
65	32.5	2.6	32.0	2.6	31.5	2.7	31.3	2.7	31.0	2.7	30.6	2.7
75	35.0	2.7	34.4	2.7	33.9	2.7	33.6	2.8	33.3	2.8	32.9	2.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

RNX09AMD (AR09DXFAMWKNCV)+RXX09AMD (AR09DXFAMWKXCV)

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	9.4	7.4	0.5	9.8	7.8	0.6	10.1	8.1	0.7	10.5	8.4	0.8	10.8	8.7	0.9	11.1	8.9	0.9	11.9	9.5	0.9	13.0	10.4	0.9
32	9.6	7.6	0.4	10.0	8.0	0.5	10.4	8.3	0.6	10.9	8.7	0.7	11.3	9.0	0.7	11.6	9.2	0.8	12.4	9.9	0.8	13.6	10.9	0.7
50	10.1	8.0	0.4	10.6	8.5	0.5	11.0	8.8	0.6	11.5	9.2	0.7	11.9	9.5	0.7	12.2	9.8	0.7	13.1	10.5	0.7	14.3	11.4	0.7
68	10.5	8.4	0.4	11.0	8.8	0.5	11.4	9.2	0.6	12.0	9.6	0.7	12.4	9.9	0.7	12.7	10.1	0.7	13.5	10.8	0.7	14.8	11.8	0.7
85	10.5	8.4	0.4	11.0	8.8	0.6	11.4	9.1	0.7	11.9	9.5	0.8	12.3	9.8	0.8	12.6	10.1	0.8	13.4	10.7	0.8	14.6	11.7	0.8
95	10.2	8.1	0.5	10.7	8.5	0.6	11.0	8.8	0.7	11.5	9.2	0.9	9.0	7.2	0.6	12.2	9.7	0.9	13.0	10.4	0.9	14.2	11.3	0.9
104	9.6	7.7	0.6	10.1	8.1	0.7	10.4	8.3	0.8	10.8	8.7	1.0	11.2	9.0	1.0	11.5	9.2	1.0	12.3	9.8	1.0	13.4	10.7	1.0
110	9.1	7.2	0.6	9.5	7.6	0.8	9.8	7.9	0.9	10.2	8.2	1.0	10.6	8.5	1.1	10.8	8.7	1.1	11.6	9.3	1.1	12.7	10.2	1.1
115	8.5	6.8	0.7	8.9	7.1	0.8	9.2	7.4	1.0	9.6	7.7	1.1	9.9	7.9	1.2	10.2	8.1	1.2	10.9	8.7	1.2	12.0	9.6	1.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	9.2	1.4	8.9	1.4	8.7	1.4	8.7	1.5	8.8	1.6	8.8	1.8
-4	9.5	1.5	9.2	1.4	9.1	1.5	9.0	1.5	9.0	1.6	9.1	1.8
0	10.6	1.6	10.3	1.6	10.2	1.6	10.1	1.7	10.1	1.8	10.1	2.0
5	11.7	1.8	11.5	1.7	11.3	1.7	11.2	1.8	11.2	1.9	11.0	2.1
14	13.2	1.8	13.1	1.8	12.9	1.8	12.7	1.9	12.6	2.0	12.3	2.2
23	14.0	1.8	14.0	1.8	13.8	1.8	13.6	1.9	13.4	1.9	13.0	2.1
32	14.4	1.7	14.5	1.6	14.3	1.7	14.1	1.7	13.8	1.8	13.2	2.0
41	14.4	1.5	14.6	1.4	14.5	1.5	14.3	1.6	14.0	1.6	13.3	1.8
47	14.3	1.3	14.7	1.3	14.6	1.4	11.0	0.8	14.0	1.5	13.3	1.7
55	14.1	1.2	14.6	1.2	14.7	1.2	14.5	1.3	14.1	1.4	13.2	1.5
65	13.9	1.1	14.7	1.1	14.9	1.1	14.7	1.2	14.3	1.3	13.4	1.4
75	14.0	1.1	15.1	1.1	15.4	1.2	15.3	1.2	14.9	1.3	13.9	1.4

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

RNX12AMD (AR12DXFAMWKNCV)+RXX12AMD (AR12DXFAMWKXCV)

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	11.0	8.6	0.6	11.0	8.8	0.7	11.1	9.0	0.8	11.6	9.3	0.9	12.1	9.7	1.0	12.5	10.0	1.0	13.4	10.7	1.0	14.5	11.6	1.0
32	10.6	8.3	0.4	10.6	8.4	0.5	10.8	8.7	0.7	11.4	9.1	0.8	11.9	9.5	0.8	12.3	9.8	0.8	13.2	10.5	0.8	14.4	11.5	0.8
50	11.2	8.8	0.4	11.3	9.0	0.5	11.5	9.3	0.7	12.1	9.7	0.8	12.6	10.1	0.8	13.1	10.4	0.8	14.1	11.2	0.8	15.3	12.2	0.8
68	12.2	9.6	0.5	12.2	9.8	0.7	12.5	10.1	0.8	13.1	10.5	0.9	13.7	10.9	1.0	14.1	11.2	1.0	15.1	12.0	1.0	16.3	13.1	0.9
85	12.7	10.0	0.6	12.7	10.2	0.8	12.9	10.4	1.0	13.6	10.9	1.1	14.1	11.3	1.2	14.5	11.6	1.2	15.5	12.4	1.2	16.7	13.4	1.2
95	12.5	9.8	0.7	12.5	10.0	0.9	12.7	10.3	1.1	13.3	10.7	1.3	12.0	9.6	0.9	14.3	11.4	1.3	15.3	12.2	1.4	16.5	13.2	1.3
104	11.9	9.4	0.8	11.9	9.5	1.0	12.1	9.8	1.2	12.7	10.2	1.4	13.2	10.6	1.4	13.6	10.9	1.5	14.6	11.6	1.5	15.8	12.6	1.5
110	11.3	8.8	0.9	11.2	9.0	1.1	11.4	9.2	1.3	11.9	9.6	1.4	12.4	10.0	1.5	12.8	10.3	1.6	13.8	11.0	1.6	15.0	12.0	1.6
115	10.5	8.2	0.9	10.4	8.4	1.1	10.6	8.6	1.3	11.1	9.0	1.5	11.6	9.3	1.6	12.0	9.6	1.6	13.0	10.3	1.7	14.1	11.3	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	9.7	1.5	9.4	1.4	9.3	1.5	9.2	1.5	9.3	1.7	9.3	1.9
-4	10.2	1.6	9.9	1.5	9.7	1.6	9.7	1.6	9.7	1.8	9.8	2.0
0	11.9	1.9	11.6	1.9	11.5	1.9	11.4	2.0	11.4	2.1	11.3	2.3
5	13.6	2.2	13.4	2.1	13.2	2.2	13.1	2.3	13.0	2.4	12.8	2.6
14	15.6	2.4	15.4	2.4	15.2	2.4	15.1	2.5	14.9	2.6	14.5	2.8
23	16.4	2.3	16.3	2.3	16.1	2.4	15.9	2.4	15.7	2.5	15.2	2.7
32	16.3	2.1	16.4	2.0	16.2	2.1	16.0	2.2	15.7	2.3	15.1	2.5
41	15.7	1.7	16.0	1.7	15.9	1.7	15.6	1.8	15.3	1.9	14.6	2.1
47	15.2	1.4	15.6	1.4	15.5	1.5	12.0	0.9	14.9	1.6	14.1	1.8
55	14.5	1.1	15.1	1.1	15.1	1.2	14.9	1.3	14.5	1.3	13.6	1.5
65	14.0	1.0	14.9	1.0	15.0	1.0	14.8	1.1	14.5	1.2	13.5	1.3
75	14.3	1.1	15.5	1.2	15.8	1.2	15.7	1.3	15.3	1.3	14.3	1.5

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

RNX15AMD (AR15DXFAMWKNCV)+RXX15AMD (AR15DXFAMWKXCV)

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	15.8	13.6	0.8	17.3	13.7	0.8	18.4	14.4	0.8	20.1	15.0	0.8	20.7	15.9	0.9	21.8	15.5	0.9	23.1	16.0	0.9	24.5	16.0	0.9
32	15.3	13.1	0.8	16.7	13.3	0.8	17.8	14.0	0.9	19.5	14.5	0.9	20.1	15.4	1.0	21.1	15.0	0.9	22.4	15.5	0.9	23.7	15.5	0.9
50	15.4	13.0	0.8	16.8	13.1	0.8	17.9	13.8	0.9	19.5	14.2	0.9	20.2	15.1	1.0	21.0	14.7	0.9	22.3	15.1	1.0	23.5	15.0	1.0
68	15.2	12.6	0.9	16.4	12.7	0.9	17.5	13.3	1.0	19.0	13.7	1.0	19.8	14.6	1.0	20.5	14.1	1.0	21.7	14.5	1.1	22.9	14.4	1.1
85	14.7	12.1	1.4	15.9	12.2	1.4	17.1	12.8	1.4	18.6	13.2	1.5	19.3	14.0	1.5	20.1	13.7	1.5	21.3	14.0	1.5	22.5	14.0	1.5
95	14.4	11.8	1.7	15.7	11.9	1.7	16.8	12.5	1.7	18.4	12.9	1.8	15.0	12.0	1.2	19.9	13.4	1.8	21.1	13.8	1.8	22.4	13.8	1.8
104	13.3	10.9	1.8	14.6	11.1	1.8	15.6	11.6	1.9	17.1	12.0	1.9	17.7	12.7	1.9	18.5	12.4	1.9	19.6	12.8	1.9	20.8	12.8	2.0
110	12.7	10.4	1.9	13.8	10.5	1.9	14.8	11.0	1.9	16.2	11.4	2.0	16.8	12.1	2.0	17.6	11.8	2.0	18.6	12.1	2.0	19.7	12.2	2.1
115	12.1	9.9	2.0	13.3	10.1	2.0	14.2	10.5	2.0	15.5	10.9	2.0	16.1	11.6	2.1	16.8	11.3	2.1	17.9	11.6	2.1	18.9	11.6	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	11.3	1.5	11.1	1.6	11.0	1.6	10.9	1.6	10.9	1.6	10.7	1.6
-4	11.3	1.6	11.1	1.6	11.0	1.6	10.9	1.6	10.9	1.6	10.7	1.6
0	12.4	1.6	12.2	1.6	12.0	1.6	11.9	1.7	11.9	1.7	11.7	1.7
5	13.7	1.6	13.5	1.7	13.3	1.7	13.2	1.7	13.2	1.7	13.0	1.7
14	15.9	1.8	15.7	1.8	15.5	1.9	15.3	1.9	15.2	1.9	15.0	1.9
23	18.2	2.0	17.9	2.0	17.6	2.0	17.5	2.0	17.3	2.1	17.1	2.1
32	19.0	1.9	18.7	1.9	18.4	2.0	18.2	2.0	18.0	2.0	17.8	2.0
41	19.8	1.8	19.5	1.9	19.2	1.9	19.0	1.9	18.9	1.9	18.6	2.0
47	20.4	1.8	20.1	1.8	19.8	1.9	15.0	1.1	19.4	1.9	19.2	1.9
55	21.2	1.8	20.8	1.8	20.5	1.8	20.3	1.8	20.2	1.9	19.9	1.9
65	22.1	1.7	21.8	1.8	21.4	1.8	21.3	1.8	21.1	1.8	20.8	1.8
75	23.1	1.7	22.7	1.7	22.4	1.7	22.2	1.7	22.0	1.8	21.7	1.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

RNX18AMD (AR18DXFAMWKNCV)+RXX18AMD (AR18DXFAMWKXCV)

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	14.7	12.5	0.9	16.1	12.7	0.9	17.2	13.3	1.0	18.8	13.8	1.0	19.4	14.7	1.1	20.3	14.3	1.0	21.6	14.7	1.1	22.9	14.8	1.1
32	15.5	13.1	0.9	16.9	13.3	0.9	18.1	14.0	0.9	19.7	14.5	0.9	20.3	15.4	1.0	21.4	15.0	1.0	22.6	15.4	1.0	24.0	15.5	1.0
50	15.3	12.8	0.9	16.7	12.9	0.9	17.8	13.5	0.9	19.4	13.9	0.9	20.1	14.8	1.0	20.9	14.4	1.0	22.2	14.8	1.0	23.4	14.8	1.0
68	15.3	12.6	0.9	16.5	12.6	0.9	17.6	13.2	0.9	19.2	13.6	0.9	19.9	14.5	1.0	20.7	14.0	1.0	21.9	14.4	1.0	23.0	14.3	1.0
85	16.1	13.1	1.5	17.6	13.2	1.5	18.8	13.9	1.5	20.5	14.4	1.6	21.3	15.2	1.6	22.2	14.8	1.6	23.5	15.2	1.6	24.8	15.2	1.6
95	16.7	13.5	1.9	18.3	13.7	1.9	19.6	14.3	1.9	21.4	14.8	2.0	18.0	14.4	1.4	23.2	15.4	2.0	24.6	15.8	2.0	26.0	15.8	2.0
104	15.4	12.4	2.1	16.8	12.6	2.1	18.0	13.2	2.1	19.7	13.7	2.2	20.4	14.5	2.2	21.4	14.2	2.2	22.7	14.5	2.2	24.0	14.6	2.3
110	14.5	11.7	2.2	15.9	11.9	2.2	17.0	12.5	2.3	18.6	12.9	2.3	19.3	13.7	2.3	20.2	13.4	2.3	21.4	13.7	2.4	22.7	13.8	2.4
115	13.9	11.2	2.3	15.1	11.3	2.3	16.2	11.9	2.4	17.7	12.3	2.4	18.4	13.1	2.4	19.2	12.7	2.4	20.4	13.1	2.5	21.6	13.1	2.5

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	12.1	1.6	11.9	1.6	11.7	1.6	11.6	1.6	11.6	1.7	11.4	1.7
-4	12.1	1.6	11.9	1.6	11.7	1.7	11.6	1.7	11.6	1.7	11.4	1.7
0	13.2	1.7	13.0	1.7	12.8	1.7	12.7	1.8	12.7	1.8	12.5	1.8
5	14.6	1.8	14.4	1.8	14.2	1.8	14.0	1.9	14.0	1.9	13.8	1.9
14	16.9	1.9	16.7	1.9	16.5	2.0	16.3	2.0	16.3	2.0	16.0	2.0
23	18.4	1.9	18.1	1.9	17.9	2.0	17.7	2.0	17.6	2.0	17.4	2.0
32	19.9	1.9	19.6	1.9	19.3	1.9	19.2	2.0	19.0	2.0	18.7	2.0
41	20.8	1.8	20.5	1.9	20.2	1.9	20.0	1.9	19.8	1.9	19.6	2.0
47	21.5	1.8	21.1	1.8	20.8	1.9	21.0	1.8	20.4	1.9	20.2	1.9
55	22.3	1.8	21.9	1.8	21.6	1.8	21.4	1.8	21.2	1.9	20.9	1.9
65	23.3	1.7	22.9	1.7	22.6	1.8	22.4	1.8	22.2	1.8	21.9	1.8
75	24.3	1.7	23.9	1.7	23.6	1.7	23.4	1.7	23.2	1.8	22.9	1.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* Standard

RNX24AMD (AR24DXFAMWKNCV)+RXX24AMD (AR24DXFAMWKXCV)

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	20.1	16.1	1.3	22.0	16.3	1.3	23.5	17.1	1.4	25.6	17.8	1.4	26.5	18.9	1.5	27.8	18.5	1.5	29.5	19.0	1.5	31.3	19.0	1.5
32	20.3	16.2	1.3	22.2	16.4	1.3	23.7	17.2	1.3	25.8	17.9	1.4	26.7	19.0	1.5	28.0	18.5	1.4	29.7	19.1	1.4	31.5	19.1	1.4
50	20.7	16.3	1.3	22.5	16.4	1.3	24.1	17.2	1.3	26.2	17.8	1.4	27.1	18.9	1.4	28.3	18.3	1.4	29.9	18.8	1.4	31.6	18.8	1.4
68	20.5	15.9	1.3	22.2	16.0	1.3	23.7	16.7	1.4	25.7	17.2	1.4	26.7	18.3	1.5	27.7	17.8	1.5	29.3	18.2	1.5	30.9	18.1	1.5
85	20.4	15.7	2.2	22.2	15.8	2.3	23.8	16.6	2.3	25.9	17.1	2.4	26.9	18.2	2.4	28.0	17.7	2.4	29.7	18.2	2.5	31.4	18.2	2.5
95	20.5	15.6	2.9	22.3	15.8	2.9	23.9	16.5	2.9	26.1	17.1	3.0	22.0	17.6	1.8	28.4	17.7	3.0	30.1	18.2	3.1	31.9	18.3	3.1
104	18.3	13.9	2.8	19.9	14.1	2.8	21.4	14.8	2.9	23.3	15.3	2.9	24.2	16.2	3.0	25.3	15.8	3.0	26.8	16.2	3.0	28.4	16.3	3.0
110	16.8	12.8	2.7	18.4	13.0	2.8	19.7	13.6	2.8	21.5	14.1	2.9	22.3	14.9	2.9	23.3	14.6	2.9	24.7	15.0	3.0	26.2	15.0	3.0
115	15.6	11.9	2.7	17.1	12.1	2.8	18.3	12.6	2.8	20.0	13.1	2.8	20.7	13.9	2.9	21.7	13.6	2.9	23.0	13.9	2.9	24.4	14.0	3.0

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	19.3	3.2	19.0	3.2	18.8	3.3	18.6	3.3	18.6	3.3	18.3	3.4
-4	19.3	3.2	19.0	3.3	18.8	3.4	18.6	3.4	18.6	3.4	18.3	3.4
0	20.7	3.5	20.4	3.5	20.1	3.6	19.9	3.6	19.9	3.6	19.6	3.7
5	22.3	3.8	22.0	3.8	21.7	3.9	21.5	3.9	21.5	3.9	21.2	4.0
14	23.6	3.7	23.2	3.8	22.9	3.9	22.7	3.9	22.6	3.9	22.3	4.0
23	24.9	3.7	24.5	3.8	24.1	3.9	23.9	3.9	23.7	3.9	23.4	4.0
32	25.7	3.6	25.3	3.7	24.9	3.7	24.7	3.8	24.5	3.8	24.2	3.9
41	24.9	3.0	24.5	3.0	24.1	3.1	23.9	3.1	23.7	3.2	23.4	3.2
47	24.7	2.7	24.3	2.7	23.9	2.8	24.0	2.3	23.5	2.8	23.2	2.9
55	25.1	2.6	24.7	2.6	24.3	2.7	24.1	2.7	23.9	2.7	23.6	2.7
65	25.7	2.4	25.3	2.4	24.9	2.5	24.7	2.5	24.4	2.5	24.1	2.6
75	26.2	2.2	25.8	2.3	25.4	2.3	25.2	2.3	25.0	2.4	24.7	2.4

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

RNX09APD (AR09DXKAPWKNCV)+RXX09AMD (AR09DXFAMWKXCV)

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	9.9	7.6	0.5	9.8	7.8	0.6	9.9	8.1	0.7	10.4	8.4	0.8	10.8	8.7	0.9	11.2	8.9	0.9	12.0	9.5	0.9	13.0	10.4	0.9
32	10.1	7.8	0.4	10.1	8.0	0.5	10.2	8.3	0.6	10.8	8.7	0.7	11.2	9.0	0.7	11.6	9.3	0.8	12.5	9.9	0.8	13.6	10.9	0.7
50	10.6	8.2	0.4	10.6	8.5	0.5	10.8	8.8	0.6	11.4	9.2	0.7	11.9	9.5	0.7	12.3	9.8	0.7	13.2	10.5	0.7	14.3	11.4	0.7
68	11.0	8.5	0.4	11.0	8.8	0.5	11.3	9.1	0.6	11.8	9.6	0.7	12.3	9.9	0.7	12.7	10.2	0.7	13.6	10.9	0.7	14.7	11.8	0.7
85	11.0	8.5	0.4	11.0	8.8	0.6	11.2	9.1	0.7	11.8	9.5	0.8	12.3	9.8	0.8	12.6	10.1	0.8	13.5	10.8	0.8	14.6	11.7	0.8
95	10.7	8.2	0.5	10.7	8.5	0.6	10.9	8.8	0.7	11.4	9.2	0.9	9.0	7.2	0.6	12.2	9.7	0.9	13.1	10.4	0.9	14.1	11.3	0.9
104	10.1	7.8	0.6	10.1	8.1	0.7	10.2	8.3	0.8	10.7	8.7	1.0	11.2	9.0	1.0	11.5	9.2	1.0	12.4	9.8	1.1	13.4	10.7	1.0
110	9.6	7.4	0.6	9.5	7.6	0.8	9.7	7.8	0.9	10.1	8.2	1.1	10.5	8.4	1.1	10.9	8.7	1.1	11.7	9.3	1.2	12.7	10.2	1.1
115	9.0	6.9	0.7	8.9	7.1	0.9	9.0	7.3	1.0	9.5	7.7	1.1	9.9	7.9	1.2	10.2	8.2	1.2	11.0	8.8	1.2	12.0	9.6	1.2

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	9.2	1.4	8.9	1.4	8.8	1.4	8.8	1.5	8.8	1.6	8.9	1.8
-4	9.5	1.5	9.2	1.4	9.1	1.5	9.1	1.5	9.1	1.6	9.1	1.8
0	10.6	1.6	10.3	1.6	10.2	1.6	10.1	1.7	10.1	1.8	10.1	2.0
5	11.8	1.8	11.5	1.7	11.3	1.7	11.2	1.8	11.2	1.9	11.0	2.1
14	13.2	1.8	13.1	1.8	12.9	1.8	12.7	1.9	12.6	2.0	12.3	2.2
23	14.0	1.8	14.0	1.8	13.8	1.8	13.6	1.9	13.4	1.9	13.0	2.1
32	14.4	1.7	14.5	1.6	14.3	1.7	14.1	1.7	13.8	1.8	13.2	2.0
41	14.4	1.5	14.6	1.4	14.5	1.5	14.3	1.6	14.0	1.6	13.3	1.8
47	14.3	1.3	14.7	1.3	14.6	1.4	11.0	0.8	14.0	1.5	13.3	1.7
55	14.1	1.2	14.6	1.2	14.7	1.2	14.5	1.3	14.1	1.4	13.3	1.5
65	13.9	1.1	14.7	1.1	14.9	1.1	14.7	1.2	14.3	1.3	13.4	1.4
75	14.0	1.1	15.1	1.1	15.4	1.2	15.3	1.2	14.9	1.3	13.9	1.4

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

RNX12APD (AR12DXKAPWKNCV)+RXX12AMD (AR12DXFAMWKXCV)

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	10.8	8.9	0.6	10.9	8.8	0.7	11.2	8.8	0.8	11.7	9.3	0.9	12.1	9.7	1.0	12.4	10.0	1.0	13.3	10.7	1.0	14.5	11.6	1.0
32	10.4	8.6	0.4	10.5	8.4	0.6	10.8	8.6	0.7	11.4	9.0	0.8	11.9	9.5	0.8	12.2	9.8	0.8	13.2	10.6	0.8	14.4	11.5	0.8
50	11.0	9.1	0.4	11.2	9.0	0.6	11.6	9.1	0.7	12.1	9.7	0.8	12.6	10.1	0.8	13.0	10.5	0.8	14.0	11.3	0.8	15.3	12.2	0.8
68	12.0	9.9	0.5	12.2	9.8	0.7	12.6	9.9	0.8	13.2	10.5	0.9	13.7	10.9	1.0	14.1	11.3	1.0	15.1	12.1	1.0	16.3	13.1	0.9
85	12.5	10.3	0.6	12.7	10.2	0.8	13.0	10.3	1.0	13.6	10.8	1.1	14.1	11.3	1.2	14.5	11.6	1.2	15.5	12.5	1.2	16.8	13.4	1.2
95	12.4	10.1	0.7	12.5	10.0	0.9	12.8	10.2	1.1	13.4	10.6	1.2	12.0	9.6	0.9	14.3	11.4	1.3	15.2	12.2	1.3	16.5	13.2	1.3
104	11.8	9.7	0.8	11.9	9.5	1.0	12.2	9.6	1.2	12.7	10.1	1.4	13.2	10.5	1.4	13.6	10.9	1.5	14.5	11.7	1.5	15.8	12.6	1.5
110	11.1	9.1	0.9	11.2	9.0	1.1	11.5	9.1	1.3	12.0	9.5	1.5	12.5	10.0	1.5	12.8	10.3	1.6	13.8	11.1	1.6	15.0	12.0	1.6
115	10.3	8.5	0.9	10.4	8.3	1.1	10.7	8.4	1.3	11.2	8.9	1.5	11.6	9.3	1.6	12.0	9.6	1.6	12.9	10.4	1.7	14.1	11.3	1.6

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	9.7	1.5	9.4	1.4	9.2	1.5	9.2	1.6	9.2	1.7	9.3	1.9
-4	10.2	1.6	9.9	1.5	9.7	1.6	9.7	1.7	9.7	1.8	9.8	2.0
0	11.9	1.9	11.6	1.9	11.5	1.9	11.4	2.0	11.4	2.1	11.3	2.3
5	13.6	2.2	13.4	2.1	13.2	2.2	13.1	2.3	13.0	2.4	12.8	2.6
14	15.6	2.4	15.4	2.4	15.2	2.4	15.0	2.5	14.9	2.6	14.5	2.8
23	16.4	2.3	16.3	2.3	16.1	2.4	15.9	2.4	15.7	2.5	15.2	2.7
32	16.3	2.1	16.4	2.0	16.2	2.1	16.0	2.2	15.7	2.3	15.1	2.5
41	15.7	1.7	16.0	1.7	15.9	1.7	15.6	1.8	15.3	1.9	14.6	2.1
47	15.2	1.4	15.6	1.4	15.5	1.5	12.0	0.9	14.9	1.6	14.1	1.8
55	14.5	1.1	15.1	1.2	15.1	1.2	14.9	1.3	14.5	1.4	13.7	1.5
65	14.0	1.0	14.9	1.0	15.0	1.1	14.9	1.1	14.5	1.2	13.5	1.3
75	14.3	1.1	15.5	1.2		1.2	15.7	1.3	15.3	1.3	14.3	1.5

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

RNX15APD (AR15DXKAPWKNCV)+RXX15AMD (AR15DXFAMWKXCV)

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	15.8	13.6	0.8	17.3	13.7	0.8	18.4	14.4	0.8	20.1	15.0	0.8	20.7	15.9	0.9	21.8	15.5	0.9	23.1	16.0	0.9	24.5	16.0	0.9
32	15.3	13.1	0.8	16.7	13.3	0.8	17.8	14.0	0.9	19.5	14.5	0.9	20.1	15.4	1.0	21.1	15.0	0.9	22.4	15.5	0.9	23.7	15.5	0.9
50	15.4	13.0	0.8	16.8	13.1	0.8	17.9	13.8	0.9	19.5	14.2	0.9	20.2	15.1	1.0	21.0	14.7	0.9	22.3	15.1	1.0	23.5	15.0	1.0
68	15.2	12.6	0.9	16.4	12.7	0.9	17.5	13.3	1.0	19.0	13.7	1.0	19.8	14.6	1.0	20.5	14.1	1.0	21.7	14.5	1.1	22.9	14.4	1.1
85	14.7	12.1	1.4	15.9	12.2	1.4	17.1	12.8	1.4	18.6	13.2	1.5	19.3	14.0	1.5	20.1	13.7	1.5	21.3	14.0	1.5	22.5	14.0	1.5
95	14.4	11.8	1.7	15.7	11.9	1.7	16.8	12.5	1.7	18.4	12.9	1.8	15.0	12.0	1.2	19.9	13.4	1.8	21.1	13.8	1.8	22.4	13.8	1.8
104	13.3	10.9	1.8	14.6	11.1	1.8	15.6	11.6	1.9	17.1	12.0	1.9	17.7	12.7	1.9	18.5	12.4	1.9	19.6	12.8	1.9	20.8	12.8	2.0
110	12.7	10.4	1.9	13.8	10.5	1.9	14.8	11.0	1.9	16.2	11.4	2.0	16.8	12.1	2.0	17.6	11.8	2.0	18.6	12.1	2.0	19.7	12.2	2.1
115	12.1	9.9	2.0	13.3	10.1	2.0	14.2	10.5	2.0	15.5	10.9	2.0	16.1	11.6	2.1	16.8	11.3	2.1	17.9	11.6	2.1	18.9	11.6	2.1

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	11.3	1.5	11.1	1.6	11.0	1.6	10.9	1.6	10.9	1.6	10.7	1.6
-4	11.3	1.6	11.1	1.6	11.0	1.6	10.9	1.6	10.9	1.6	10.7	1.6
0	12.4	1.6	12.2	1.6	12.0	1.6	11.9	1.7	11.9	1.7	11.7	1.7
5	13.7	1.6	13.5	1.7	13.3	1.7	13.2	1.7	13.2	1.7	13.0	1.7
14	15.9	1.8	15.7	1.8	15.5	1.9	15.3	1.9	15.2	1.9	15.0	1.9
23	18.2	2.0	17.9	2.0	17.6	2.0	17.5	2.0	17.3	2.1	17.1	2.1
32	19.0	1.9	18.7	1.9	18.4	2.0	18.2	2.0	18.0	2.0	17.8	2.0
41	19.8	1.8	19.5	1.9	19.2	1.9	19.0	1.9	18.9	1.9	18.6	2.0
47	20.4	1.8	20.1	1.8	19.8	1.9	15.0	1.1	19.4	1.9	19.2	1.9
55	21.2	1.8	20.8	1.8	20.5	1.8	20.3	1.8	20.2	1.9	19.9	1.9
65	22.1	1.7	21.8	1.8	21.4	1.8	21.3	1.8	21.1	1.8	20.8	1.8
75	23.1	1.7	22.7	1.7	22.4	1.7	22.2	1.7	22.0	1.8	21.7	1.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

RNX18APD (AR18DXKAPWKNCV)+RXX18AMD (AR18DXFAMWKXCV)

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	14.7	12.5	0.9	16.1	12.7	0.9	17.2	13.3	1.0	18.8	13.8	1.0	19.4	14.7	1.1	20.3	14.3	1.0	21.6	14.7	1.1	22.9	14.8	1.1
32	15.5	13.1	0.9	16.9	13.3	0.9	18.1	14.0	0.9	19.7	14.5	0.9	20.3	15.4	1.0	21.4	15.0	1.0	22.6	15.4	1.0	24.0	15.5	1.0
50	15.3	12.8	0.9	16.7	12.9	0.9	17.8	13.5	0.9	19.4	13.9	0.9	20.1	14.8	1.0	20.9	14.4	1.0	22.2	14.8	1.0	23.4	14.8	1.0
68	15.3	12.6	0.9	16.5	12.6	0.9	17.6	13.2	0.9	19.2	13.6	0.9	19.9	14.5	1.0	20.7	14.0	1.0	21.9	14.4	1.0	23.0	14.3	1.0
85	16.1	13.1	1.5	17.6	13.2	1.5	18.8	13.9	1.5	20.5	14.4	1.6	21.3	15.2	1.6	22.2	14.8	1.6	23.5	15.2	1.6	24.8	15.2	1.6
95	16.7	13.5	1.9	18.3	13.7	1.9	19.6	14.3	1.9	21.4	14.8	2.0	18.0	14.4	1.4	23.2	15.4	2.0	24.6	15.8	2.0	26.0	15.8	2.0
104	15.4	12.4	2.1	16.8	12.6	2.1	18.0	13.2	2.1	19.7	13.7	2.2	20.4	14.5	2.2	21.4	14.2	2.2	22.7	14.5	2.2	24.0	14.6	2.3
110	14.5	11.7	2.2	15.9	11.9	2.2	17.0	12.5	2.3	18.6	12.9	2.3	19.3	13.7	2.3	20.2	13.4	2.3	21.4	13.7	2.4	22.7	13.8	2.4
115	13.9	11.2	2.3	15.1	11.3	2.3	16.2	11.9	2.4	17.7	12.3	2.4	18.4	13.1	2.4	19.2	12.7	2.4	20.4	13.1	2.5	21.6	13.1	2.5

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	12.1	1.6	11.9	1.6	11.7	1.6	11.6	1.6	11.6	1.7	11.4	1.7
-4	12.1	1.6	11.9	1.6	11.7	1.7	11.6	1.7	11.6	1.7	11.4	1.7
0	13.2	1.7	13.0	1.7	12.8	1.7	12.7	1.8	12.7	1.8	12.5	1.8
5	14.6	1.8	14.4	1.8	14.2	1.8	14.0	1.9	14.0	1.9	13.8	1.9
14	16.9	1.9	16.7	1.9	16.5	2.0	16.3	2.0	16.3	2.0	16.0	2.0
23	18.4	1.9	18.1	1.9	17.9	2.0	17.7	2.0	17.6	2.0	17.4	2.0
32	19.9	1.9	19.6	1.9	19.3	1.9	19.2	2.0	19.0	2.0	18.7	2.0
41	20.8	1.8	20.5	1.9	20.2	1.9	20.0	1.9	19.8	1.9	19.6	2.0
47	21.5	1.8	21.1	1.8	20.8	1.9	21.0	1.8	20.4	1.9	20.2	1.9
55	22.3	1.8	21.9	1.8	21.6	1.8	21.4	1.8	21.2	1.9	20.9	1.9
65	23.3	1.7	22.9	1.7	22.6	1.8	22.4	1.8	22.2	1.8	21.9	1.8
75	24.3	1.7	23.9	1.7	23.6	1.7	23.4	1.7	23.2	1.8	22.9	1.8

NOTE

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

* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 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™* IAQ

RNX24APD (AR24DXKAPWKNCV)+RXX24AMD (AR24DXFAMWKXCV)

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	20.1	16.1	1.3	22.0	16.3	1.3	23.5	17.1	1.4	25.6	17.8	1.4	26.5	18.9	1.5	27.8	18.5	1.5	29.5	19.0	1.5	31.3	19.0	1.5
32	20.3	16.2	1.3	22.2	16.4	1.3	23.7	17.2	1.3	25.8	17.9	1.4	26.7	19.0	1.5	28.0	18.5	1.4	29.7	19.1	1.4	31.5	19.1	1.4
50	20.7	16.3	1.3	22.5	16.4	1.3	24.1	17.2	1.3	26.2	17.8	1.4	27.1	18.9	1.4	28.3	18.3	1.4	29.9	18.8	1.4	31.6	18.8	1.4
68	20.5	15.9	1.3	22.2	16.0	1.3	23.7	16.7	1.4	25.7	17.2	1.4	26.7	18.3	1.5	27.7	17.8	1.5	29.3	18.2	1.5	30.9	18.1	1.5
85	20.4	15.7	2.2	22.2	15.8	2.3	23.8	16.6	2.3	25.9	17.1	2.4	26.9	18.2	2.4	28.0	17.7	2.4	29.7	18.2	2.5	31.4	18.2	2.5
95	20.5	15.6	2.9	22.3	15.8	2.9	23.9	16.5	2.9	26.1	17.1	3.0	22.0	17.6	1.8	28.4	17.7	3.0	30.1	18.2	3.1	31.9	18.3	3.1
104	18.3	13.9	2.8	19.9	14.1	2.8	21.4	14.8	2.9	23.3	15.3	2.9	24.2	16.2	3.0	25.3	15.8	3.0	26.8	16.2	3.0	28.4	16.3	3.0
110	16.8	12.8	2.7	18.4	13.0	2.8	19.7	13.6	2.8	21.5	14.1	2.9	22.3	14.9	2.9	23.3	14.6	2.9	24.7	15.0	3.0	26.2	15.0	3.0
115	15.6	11.9	2.7	17.1	12.1	2.8	18.3	12.6	2.8	20.0	13.1	2.8	20.7	13.9	2.9	21.7	13.6	2.9	23.0	13.9	2.9	24.4	14.0	3.0

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temperature (°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	19.3	3.2	19.0	3.2	18.8	3.3	18.6	3.3	18.6	3.3	18.3	3.4
-4	19.3	3.2	19.0	3.3	18.8	3.4	18.6	3.4	18.6	3.4	18.3	3.4
0	20.7	3.5	20.4	3.5	20.1	3.6	19.9	3.6	19.9	3.6	19.6	3.7
5	22.3	3.8	22.0	3.8	21.7	3.9	21.5	3.9	21.5	3.9	21.2	4.0
14	23.6	3.7	23.2	3.8	22.9	3.9	22.7	3.9	22.6	3.9	22.3	4.0
23	24.9	3.7	24.5	3.8	24.1	3.9	23.9	3.9	23.7	3.9	23.4	4.0
32	25.7	3.6	25.3	3.7	24.9	3.7	24.7	3.8	24.5	3.8	24.2	3.9
41	24.9	3.0	24.5	3.0	24.1	3.1	23.9	3.1	23.7	3.2	23.4	3.2
47	24.7	2.7	24.3	2.7	23.9	2.8	24.0	2.3	23.5	2.8	23.2	2.9
55	25.1	2.6	24.7	2.6	24.3	2.7	24.1	2.7	23.9	2.7	23.6	2.7
65	25.7	2.4	25.3	2.4	24.9	2.5	24.7	2.5	24.4	2.5	24.1	2.6
75	26.2	2.2	25.8	2.3	25.4	2.3	25.2	2.3	25.0	2.4	24.7	2.4

NOTE

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

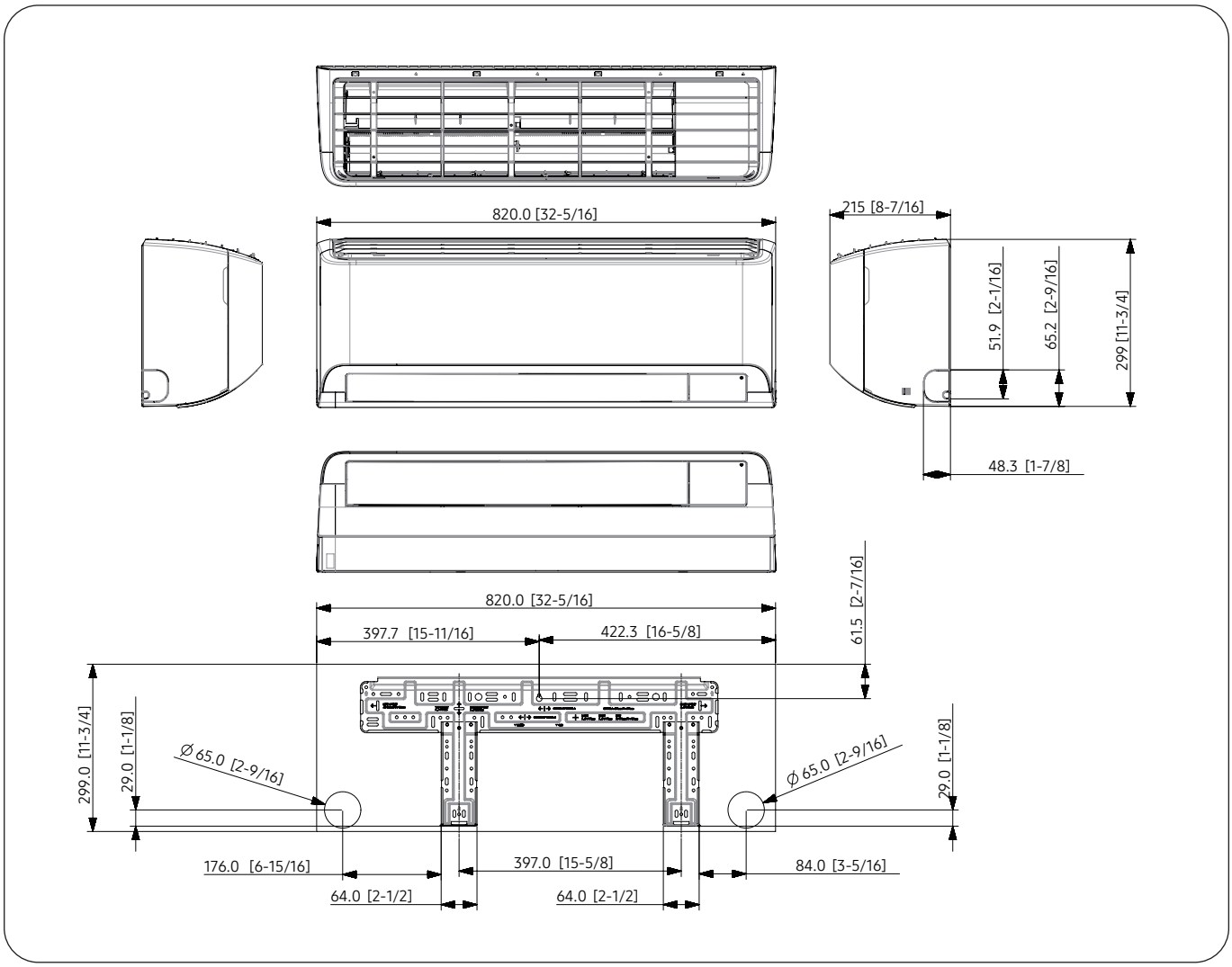
* The WindFree 4.0 unit delivers an air current that is under 0.15 m/s while in WindFree 4.0 mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

3. Dimensional Drawing

Indoor unit

RNX09AMD (AR09DXFAMWKNCV), RNX12AMD (AR12DXFAMWKNCV)

Unit: mm (inches)

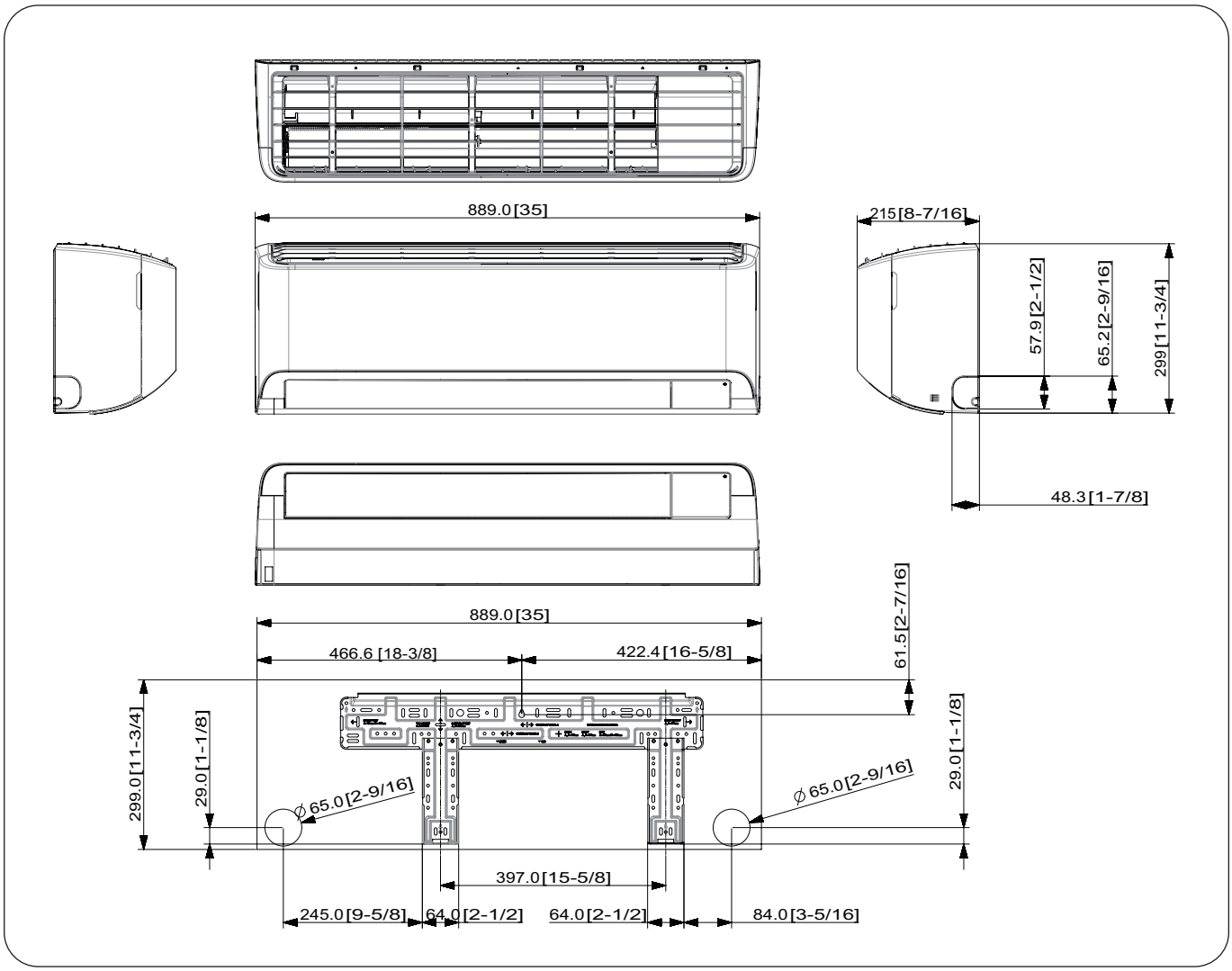


3. Dimensional Drawing

Indoor unit

RNX09ABD (AR09DXDABWKNCV), RNX12ABD (AR12DXDABWKNCV)

Unit: mm (inches)

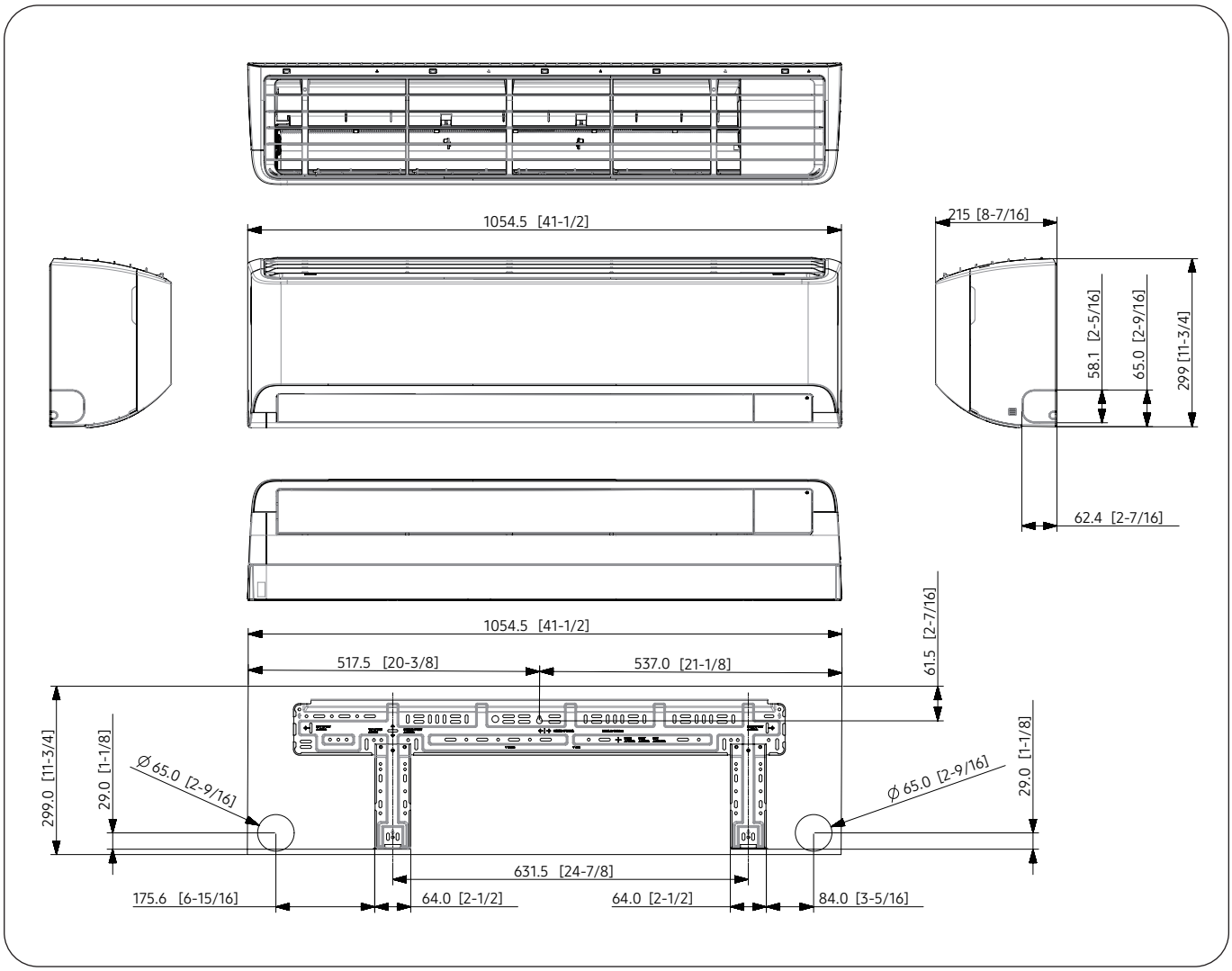


3. Dimensional Drawing

Indoor unit

RNX15ABD (AR15DXDABWKNCV), RNX18ABD (AR18DXDABWKNCV), RNX24ABD (AR24DXDABWKNCV)
RNX15AMD (AR15DXFAMWKNCV), RNX18AMD (AR18DXFAMWKNCV), RNX24AMD (AR24DXFAMWKNCV)

Unit: mm (inches)

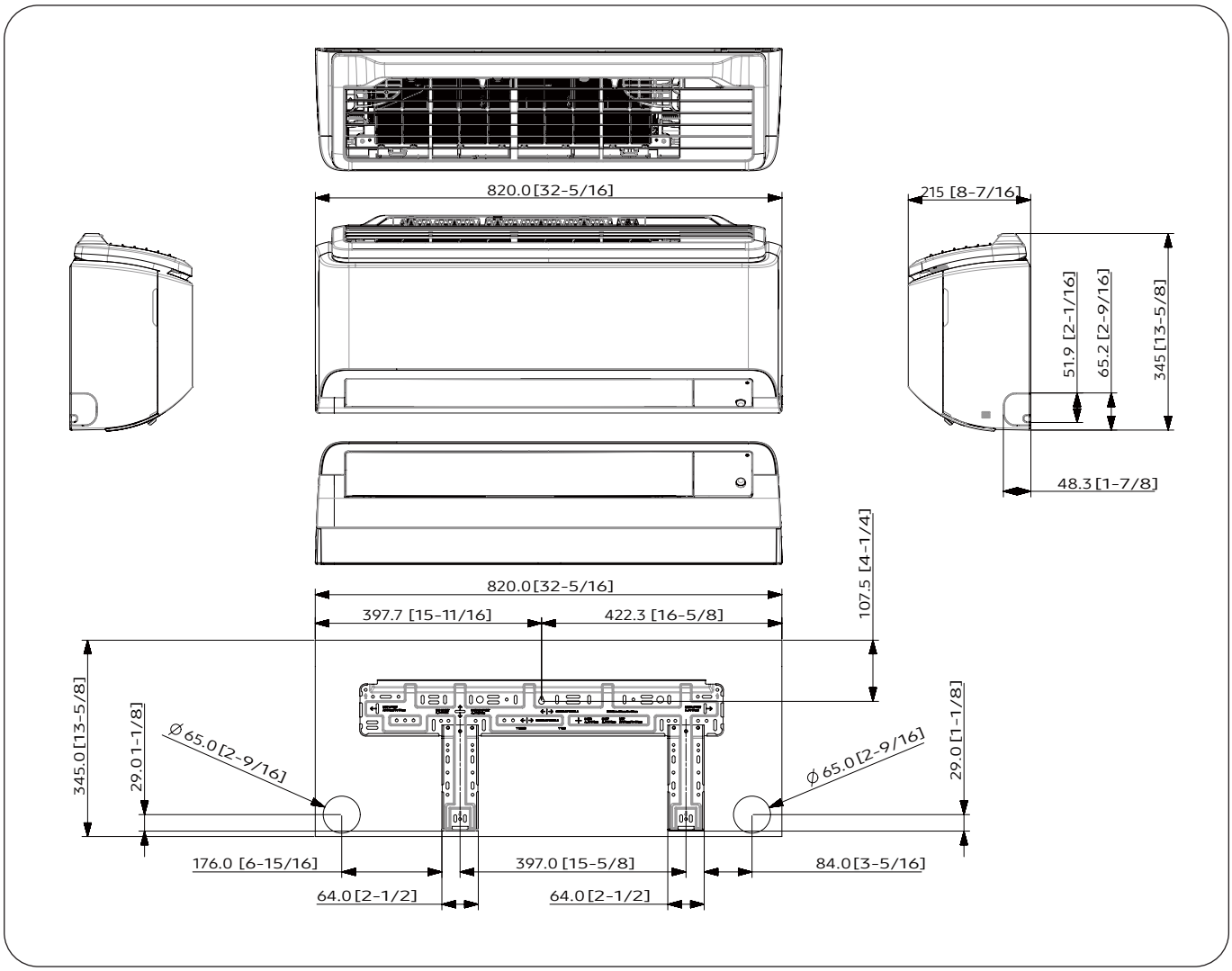


3. Dimensional Drawing

Indoor unit

RNX09APD (AR09DXKAPWKNCV), RNX12APD (AR12DXKAPWKNCV)

Unit: mm (inches)

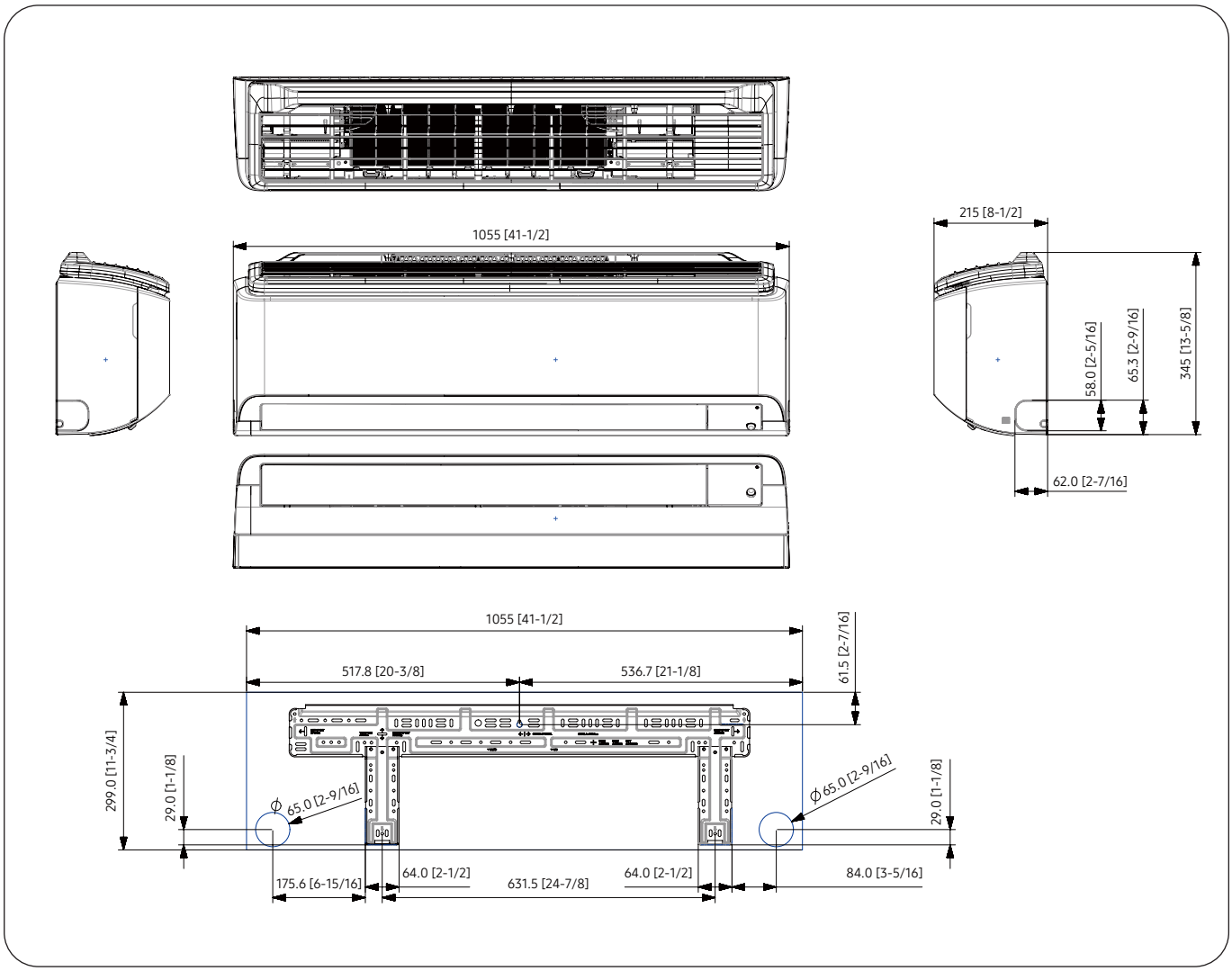


3. Dimensional Drawing

Indoor unit

RNX15APD (AR15DXKAPWKNCV), RNX18APD (AR18DXKAPWKNCV), RNX24APD (AR24DXKAPWKNCV)

Unit: mm (inches)

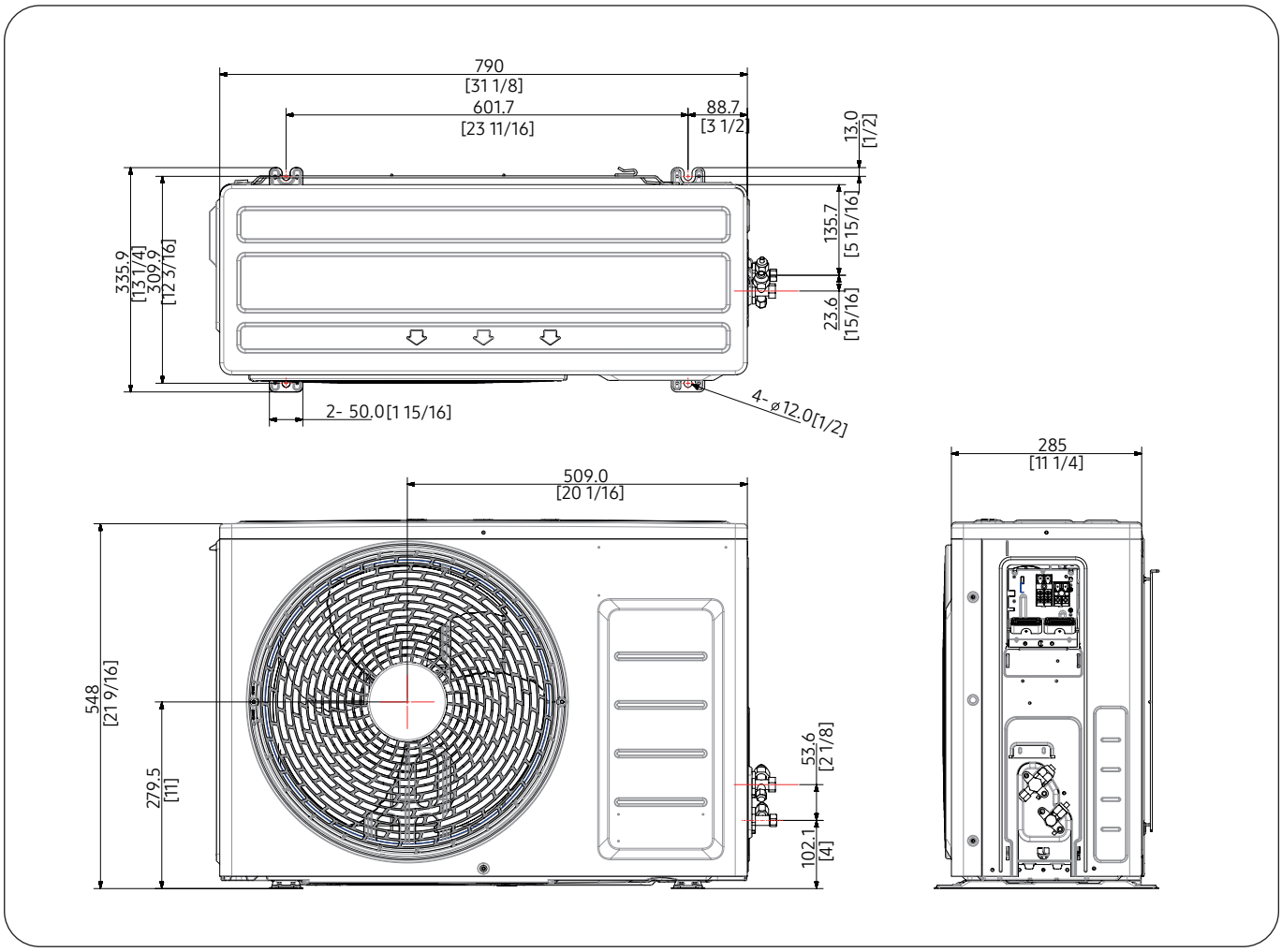


3. Dimensional Drawing

Outdoor unit

RXX09ACD (AR09DXDACWKXCV), RXX12ACD (AR12DXDACWKXCV), RXX09ABD (AR09DXDABWKXCV)
RXX12ABD (AR12DXDABWKXCV), RXX09AMD (AR09DXFAMWKXCV), RXX12AMD (AR12DXFAMWKXCV)

Unit: mm (inches)

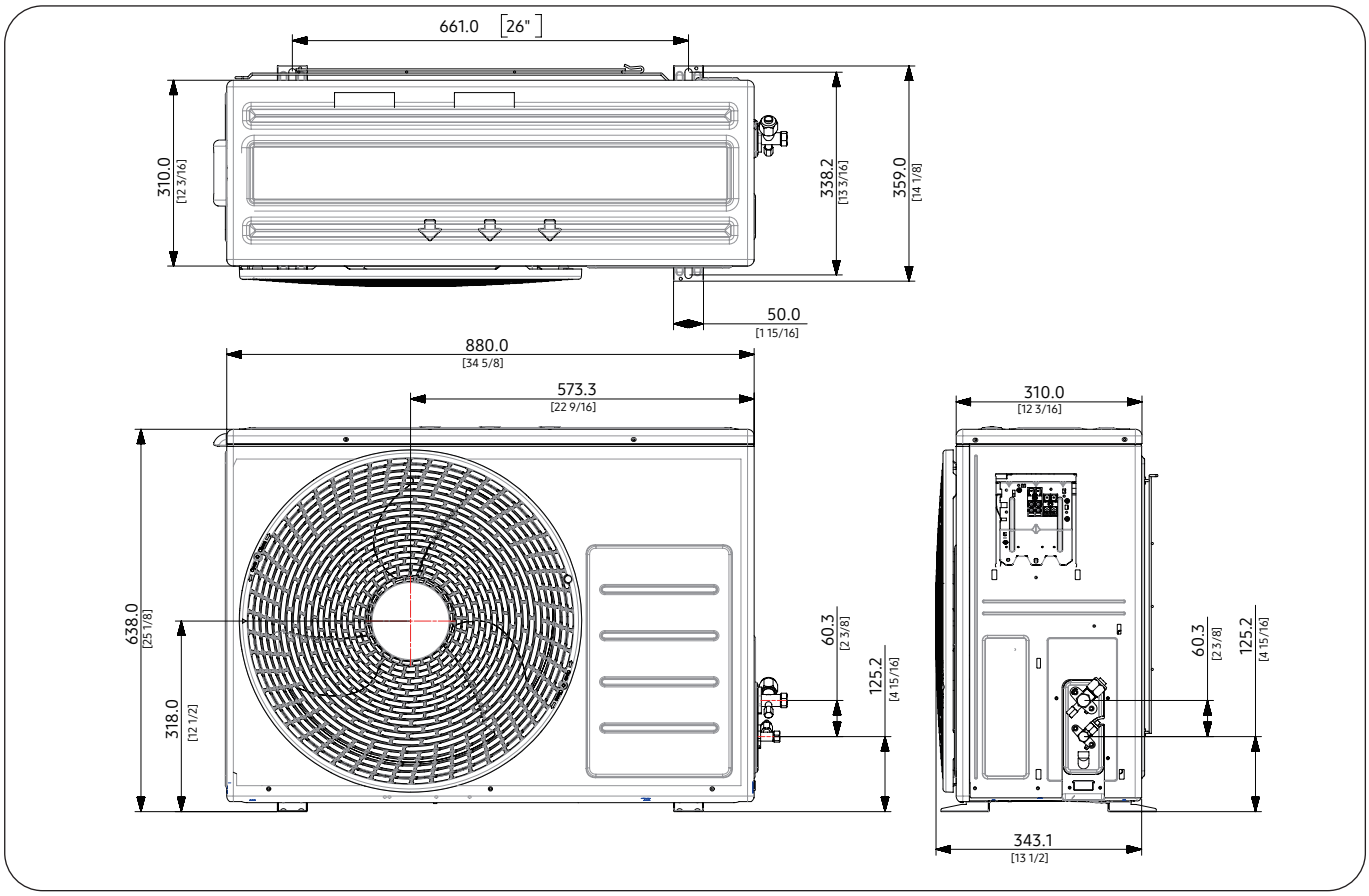


3. Dimensional Drawing

Outdoor unit

RXX15AMD (AR15DXFAMWKXCV)

Unit: mm (inches)

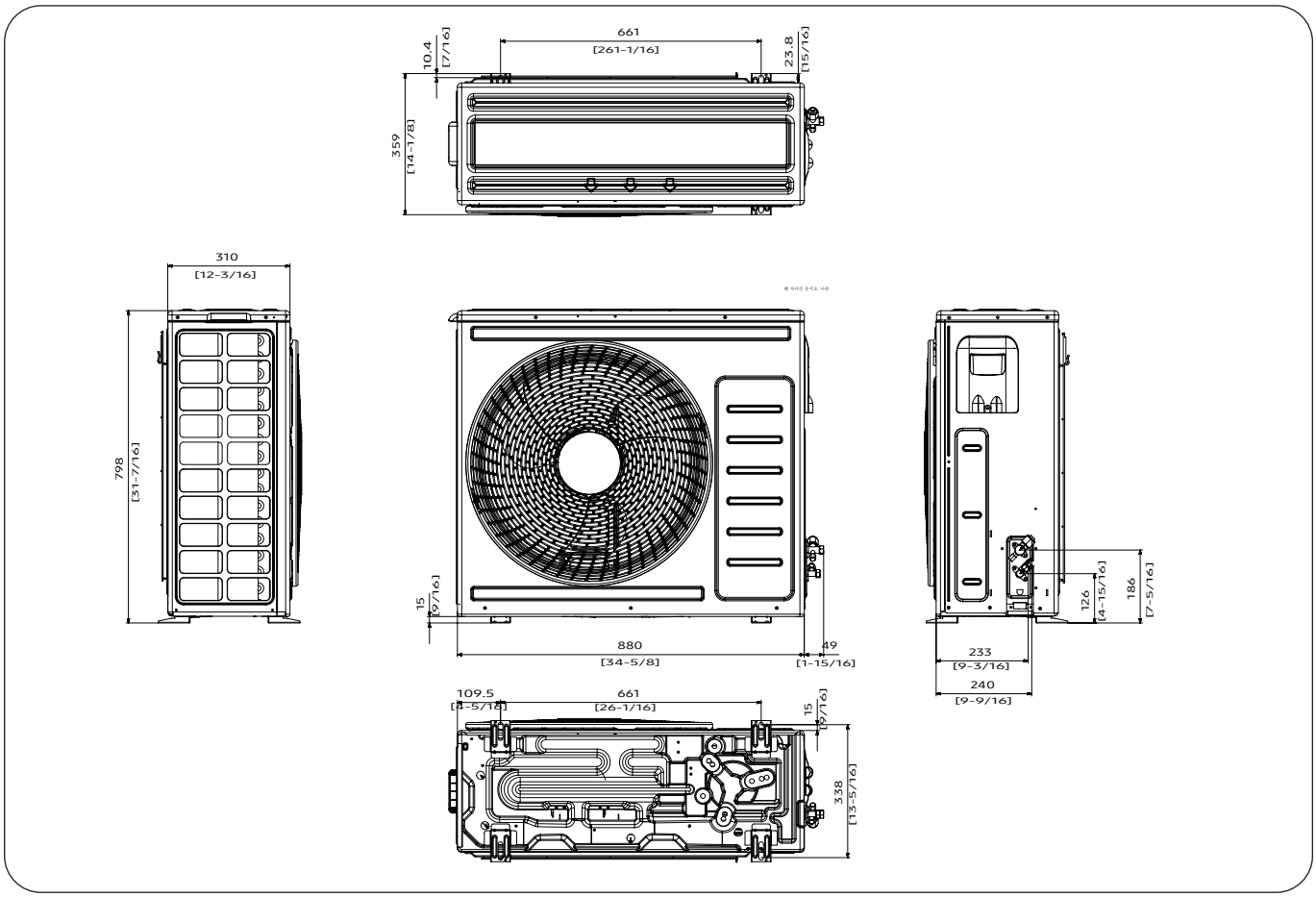


3. Dimensional Drawing

Outdoor unit

RXX15ACD (AR15DXDACWKXCV), RXX15ABD (AR15DXDABWKXCV), RXX18AMD (AR18DXFAMWKXCV)

Unit: mm (inches)

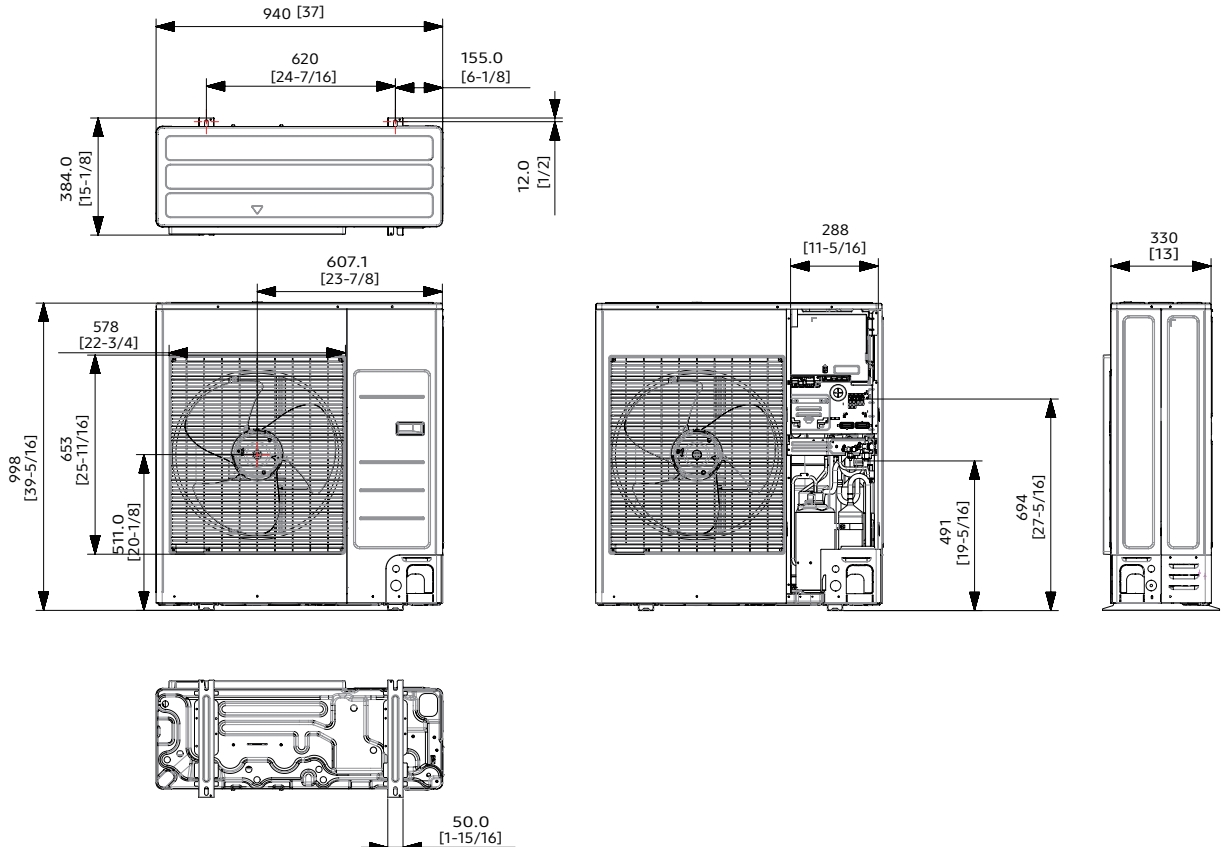


3. Dimensional Drawing

Outdoor unit

RXX18ACD (AR18DXDACWKXCV), RXX24ACD (AR24DXDACWKXCV), RXX18ABD (AR18DXDABWKXCV)
RXX24ABD (AR24DXDABWKXCV), RXX24AMD (AR24DXFAMWKXCV)

Unit: mm (inches)

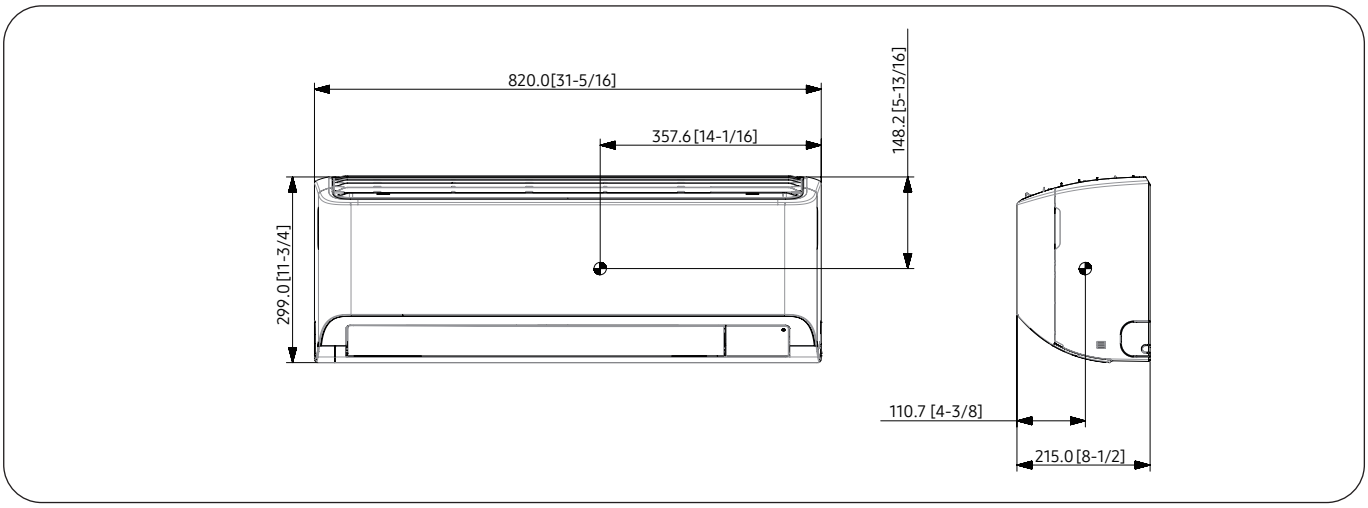


4. Center of Gravity

Indoor Unit

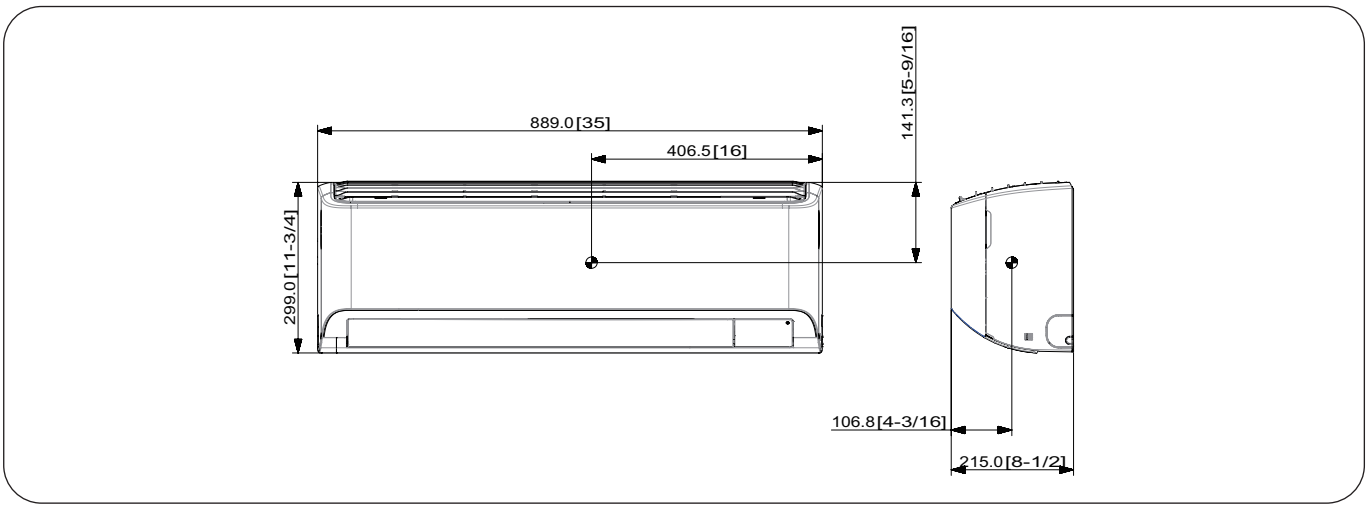
RNX09AMD (AR09DXFAMWKNCV), RNX12AMD (AR12DXFAMWKNCV)

Unit: mm (inches)



RNX09ABD (AR09DXDABWKNCV), RNX12ABD (AR12DXDABWKNCV)

Unit: mm (inches)

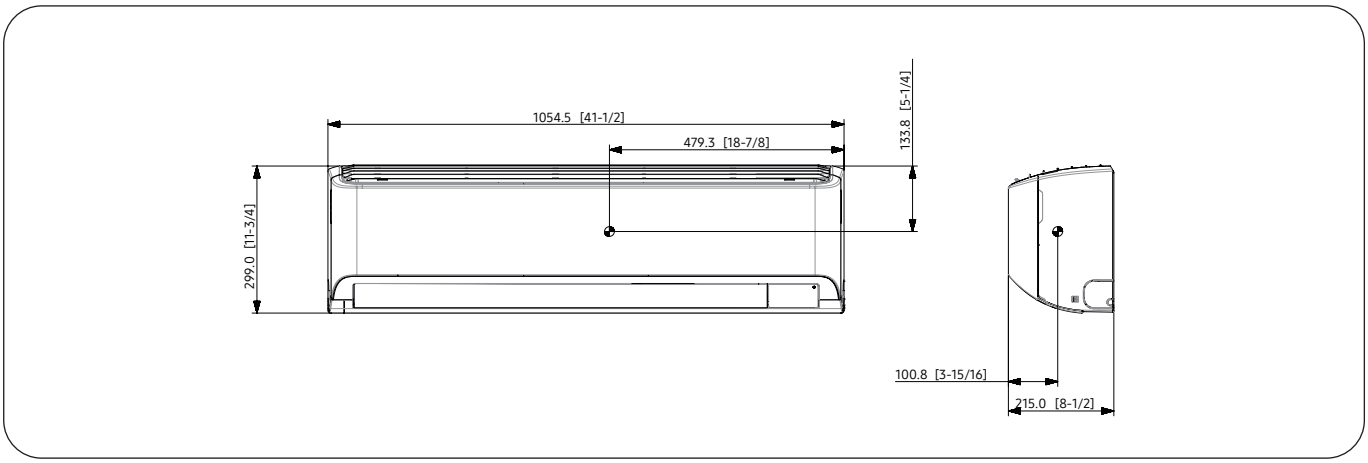


4. Center of Gravity

Indoor unit

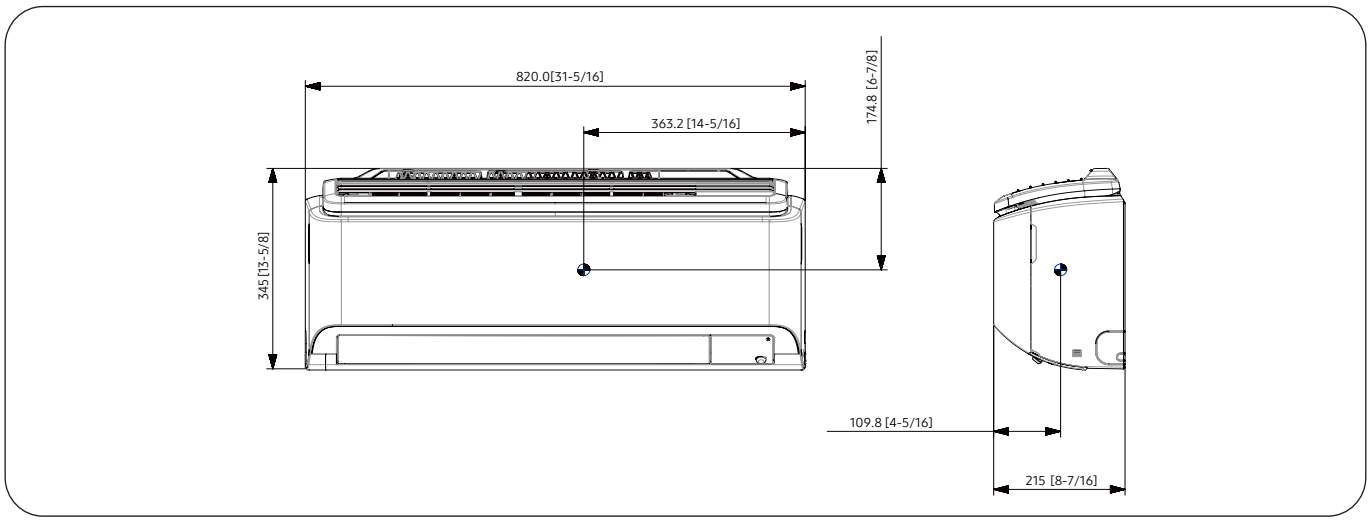
RNX15ABD (AR15DXDABWKNCV), RNX18ABD (AR18DXDABWKNCV), RNX24ABD (AR24DXDABWKNCV)
RNX15AMD (AR15DXFAMWKNCV), RNX18AMD (AR18DXFAMWKNCV), RNX24AMD (AR24DXFAMWKNCV)

Unit: mm (inches)



RNX09APD (AR09DXKAPWKNCV), RNX12APD (AR12DXKAPWKNCV)

Unit: mm (inches)

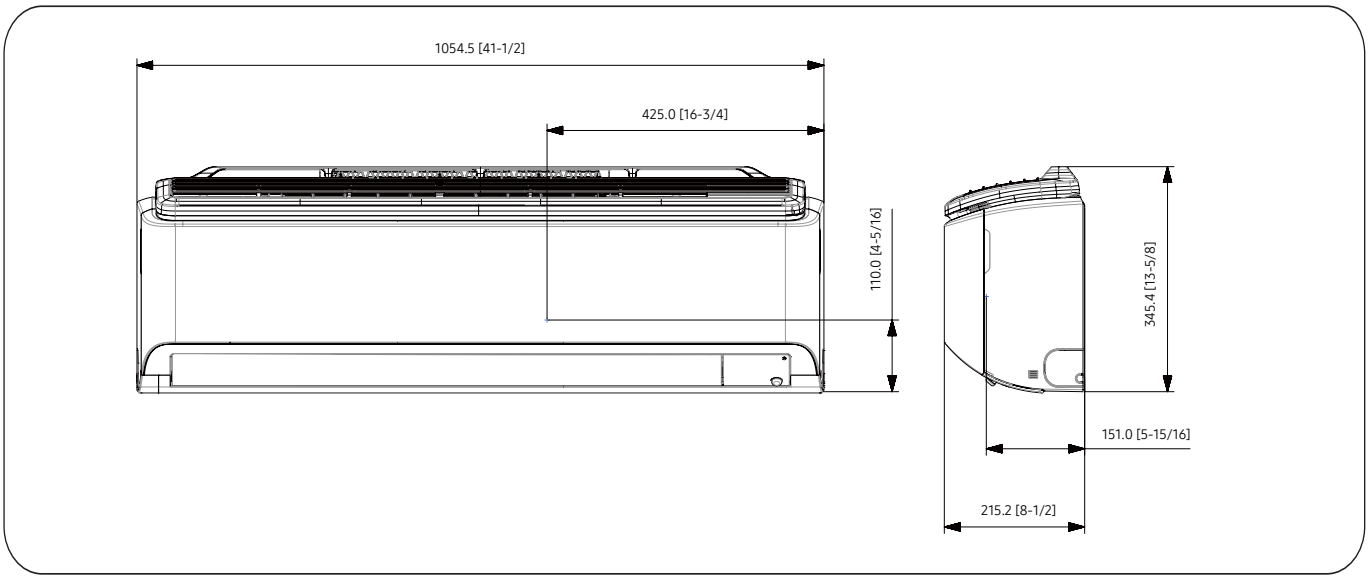


4. Center of Gravity

Indoor unit

RNX15APD (AR15DXKAPWKNCV), RNX18APD (AR18DXKAPWKNCV), RNX24APD (AR24DXKAPWKNCV)

Unit: mm (inches)

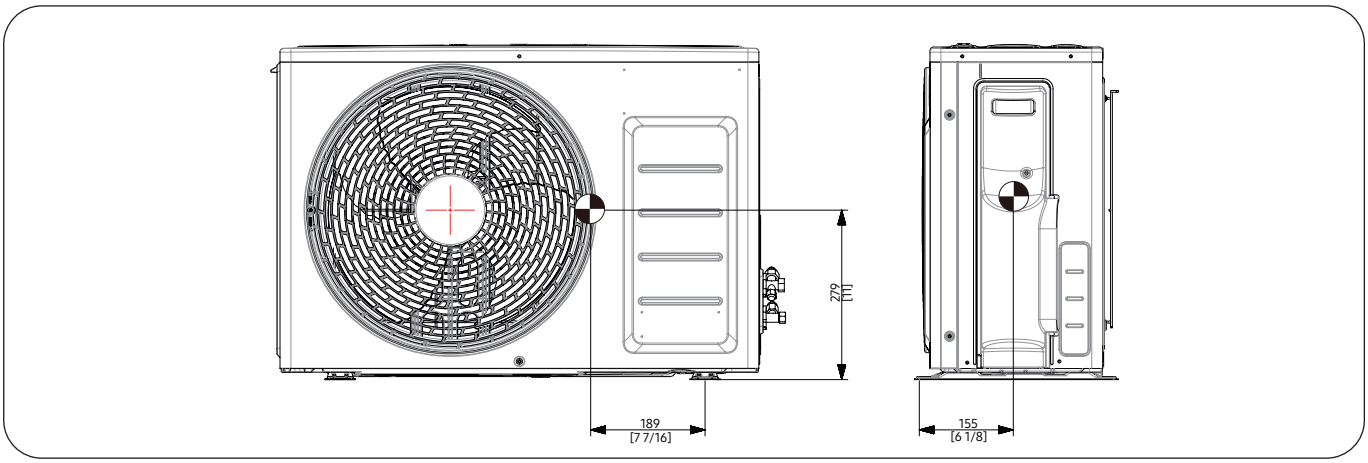


4. Center of Gravity

Outdoor Unit

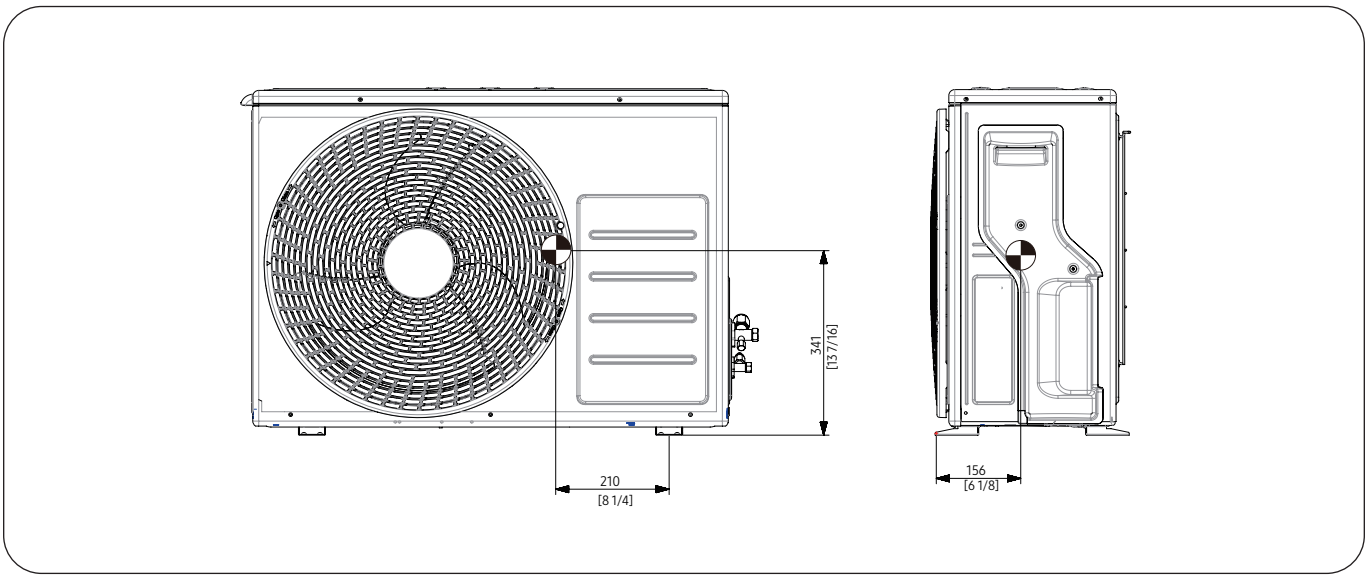
RXX09ACD (AR09DXDACWKXCV), RXX12ACD (AR12DXDACWKXCV), RXX09ABD (AR09DXDABWKXCV)
RXX12ABD (AR12DXDABWKXCV), RXX09AMD (AR09DXFAMWKXCV), RXX12AMD (AR12DXFAMWKXCV)

Unit: mm (inches)



RXX15AMD (AR15DXFAMWKXCV)

Unit: mm (inches)

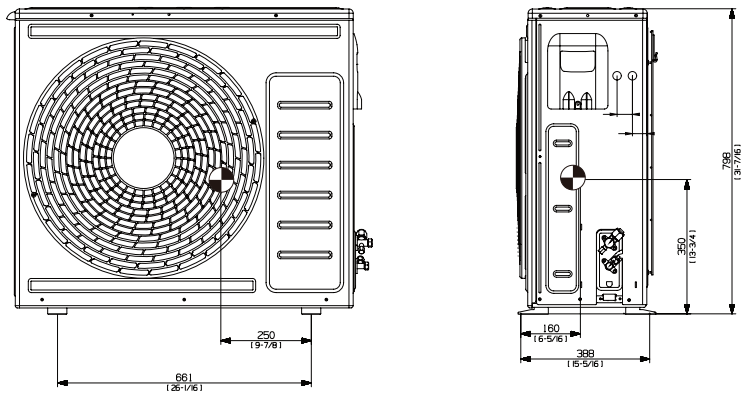


4. Center of Gravity

Outdoor Unit

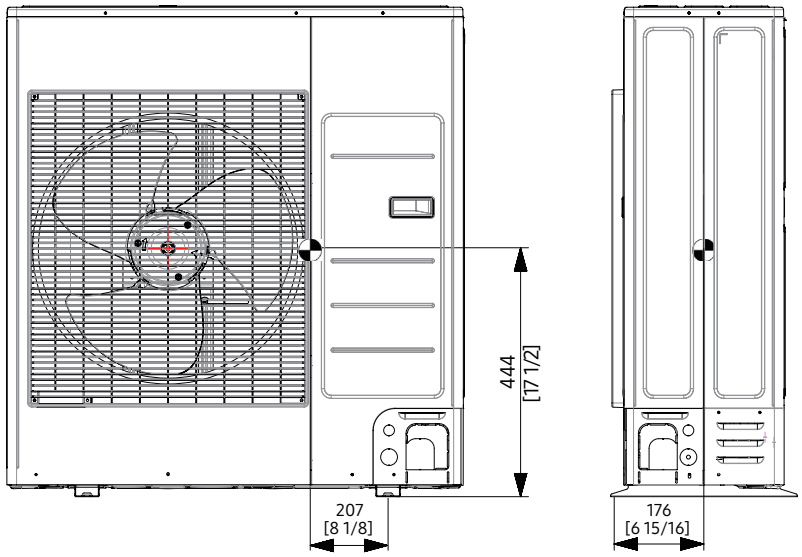
RXX15ACD (AR15DXDACWKXCV), RXX15ABD (AR15DXDABWKXCV), RXX18AMD (AR18DXFAMWKXCV)

Unit: mm (inches)



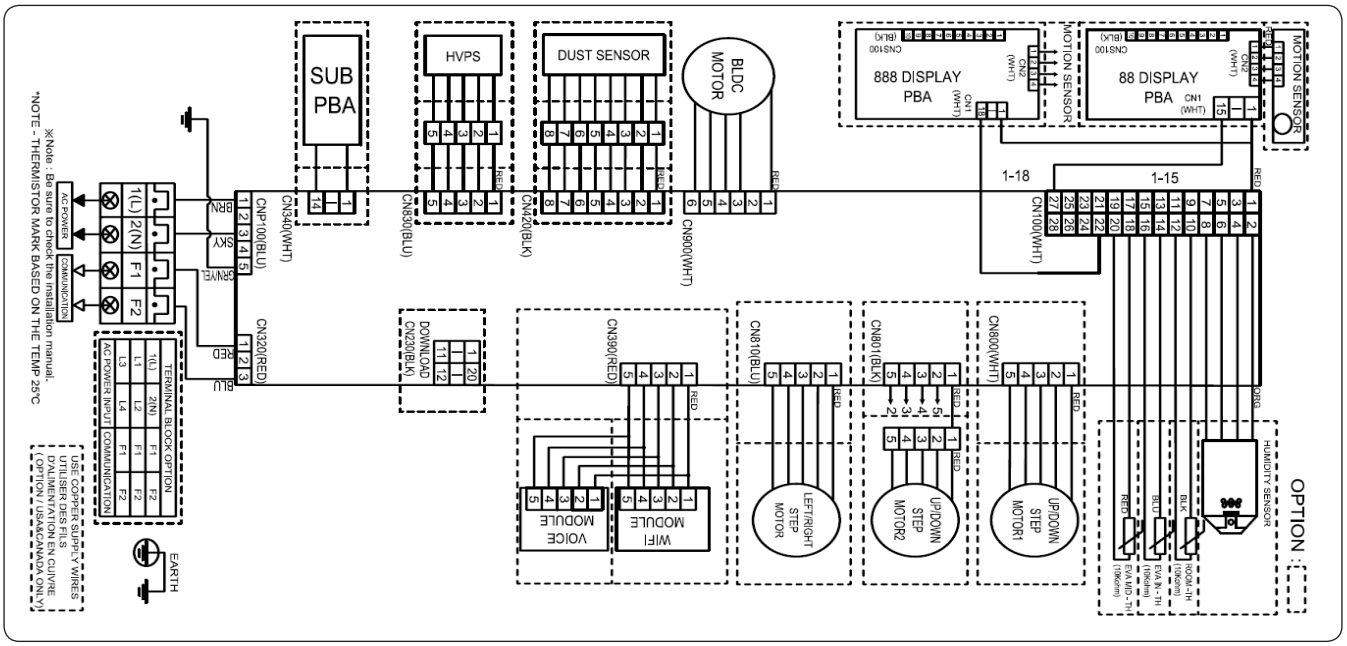
RXX18ACD (AR18DXDACWKXCV), RXX24ACD (AR24DXDACWKXCV), RXX18ABD (AR18DXDABWKXCV)
RXX24ABD (AR24DXDABWKXCV), RXX24AMD (AR24DXFAMWKXCV)

Unit: mm (inches)



5. Electrical Wiring Diagram

Indoor unit



MOTION SENSOR	SENSOR(MOTION)	DISPLAY	Printed circuit board(DISPLAY BOARD)	DUST SNESOR	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)		

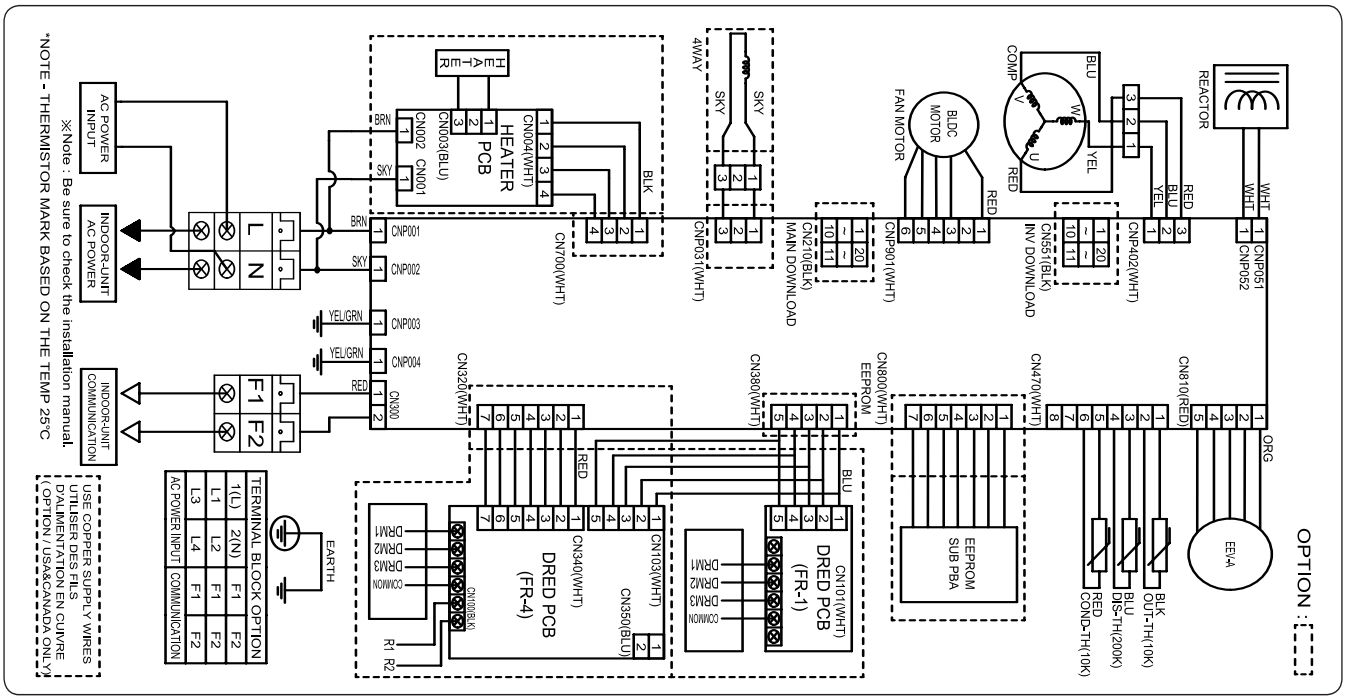
NOTE

- 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

RXX09ACD (AR09DXDACWKXCV), RXX12ACD (AR12DXDACWKXCV), RXX09ABD (AR09DXDABWKXCV)
RXX12ABD (AR12DXDABWKXCV), RXX09AMD (AR09DXFAMWKXCV), RXX12AMD (AR12DXFAMWKXCV)
RXX15AMD (AR15DXFAMWKXCV)



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		

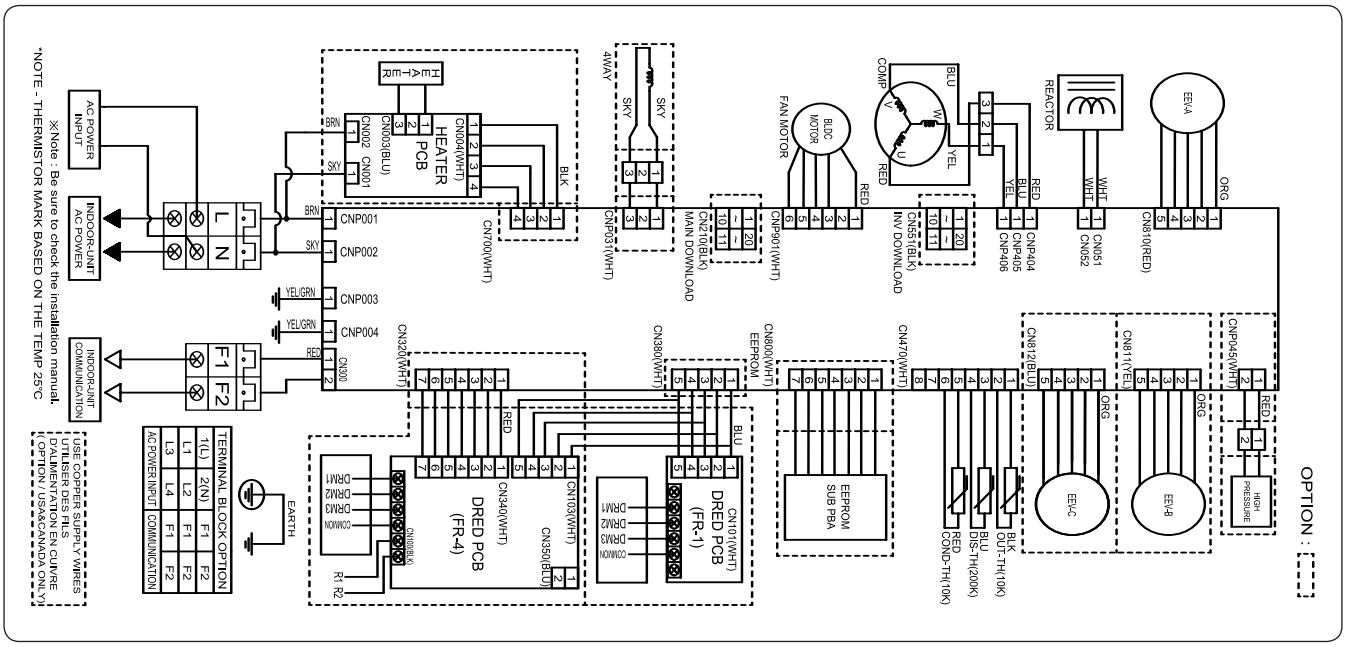
NOTE

- 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

RXX15ACD (AR15DXDACWKXCV), RXX18ACD (AR18DXDACWKXCV), RXX24ACD (AR24DXDACWKXCV)
RXX15ABD (AR15DXDABWKXCV), RXX18ABD (AR18DXDABWKXCV), RXX24ABD (AR24DXDABWKXCV)
RXX18AMD (AR18DXFAMWKXCV), RXX24AMD (AR24DXFAMWKXCV)



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	Electronic expansion valve
4-WAY VALVE	4-WAY VALVE		

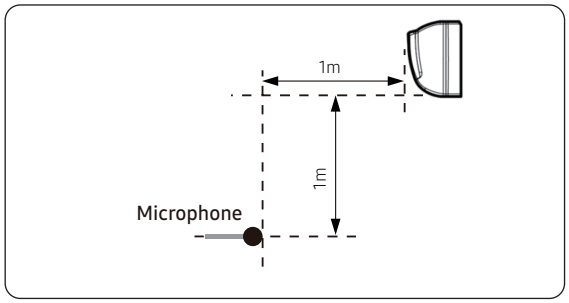
NOTE

- 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)

6. Sound Data

Indoor unit

Sound Pressure level

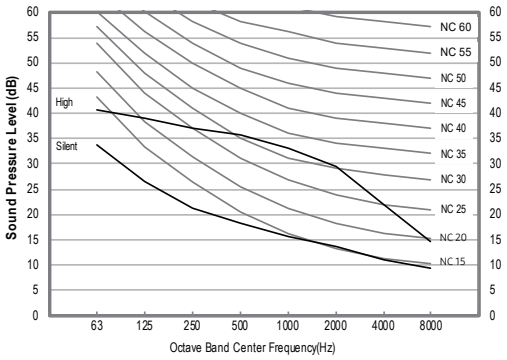


Unit: dB(A)

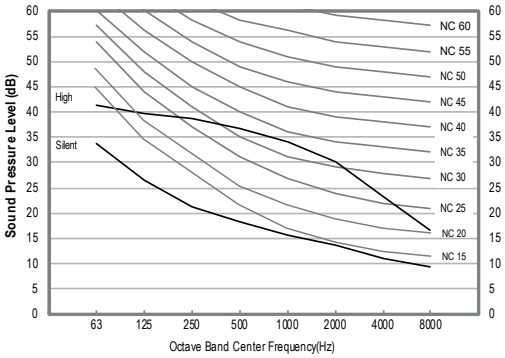
Model	Cooling	
	High	Silent
RNX09ABD (AR09DXDABWKNCV)	38	22
RNX12ABD (AR12DXDABWKNCV)	39	22
RNX15ABD (AR15DXDABWKNCV)	41	25
RNX18ABD (AR18DXDABWKNCV)	42	25
RNX24ABD (AR24DXDABWKNCV)	47	28

- NC Curve

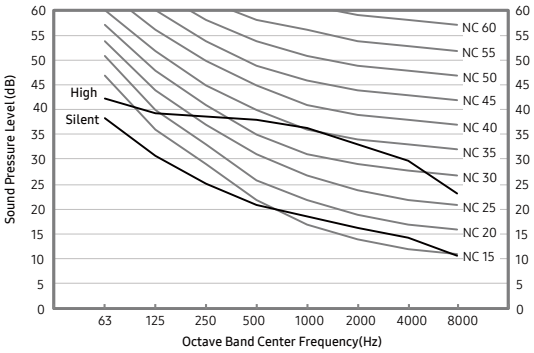
1) RNX09ABD (AR09DXDABWKNCV)



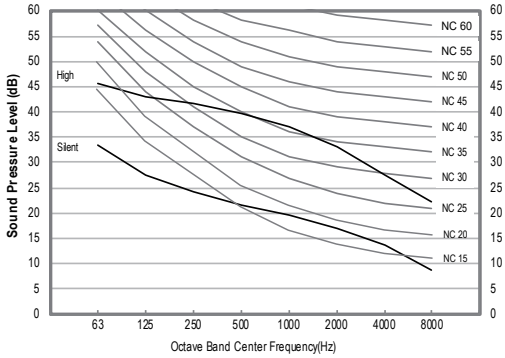
2) RNX12ABD (AR12DXDABWKNCV)



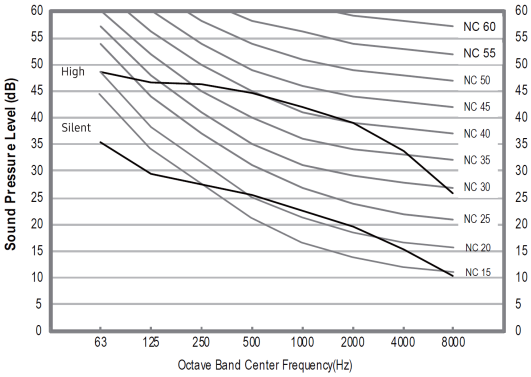
3) RNX15ABD (AR15DXDABWKNCV)



4) RNX18ABD (AR18DXDABWKNCV)



5) RNX24ABD (AR24DXDABWKNCV)



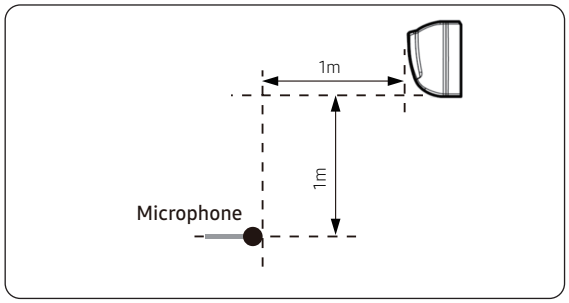
NOTE

- 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

Sound Pressure level

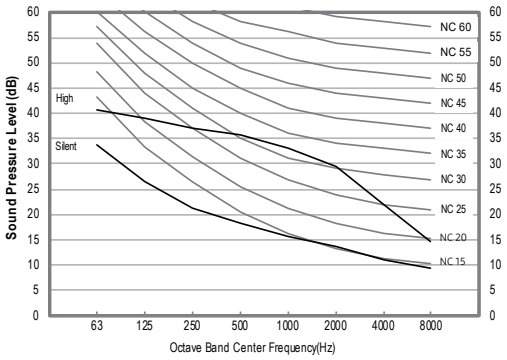


Unit: dB(A)

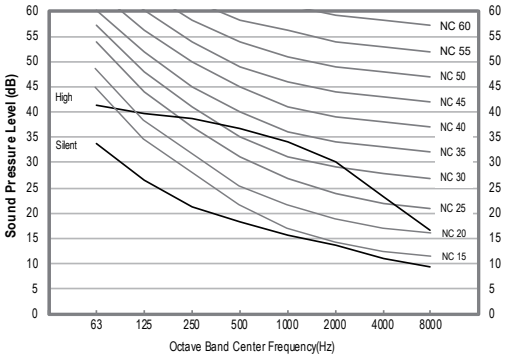
Model	Cooling	
	High	Silent
RNX09AMD (AR09DXFAMWKNCV)	38	22
RNX12AMD (AR12DXFAMWKNCV)	39	22
RNX15AMD (AR15DXFAMWKNCV)	41	27
RNX18AMD (AR18DXFAMWKNCV)	41	27
RNX24AMD (AR24DXFAMWKNCV)	45	30

- NC Curve

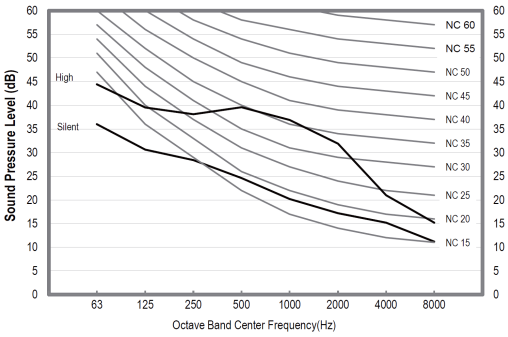
1) RNX09AMD (AR09DXFAMWKNCV)



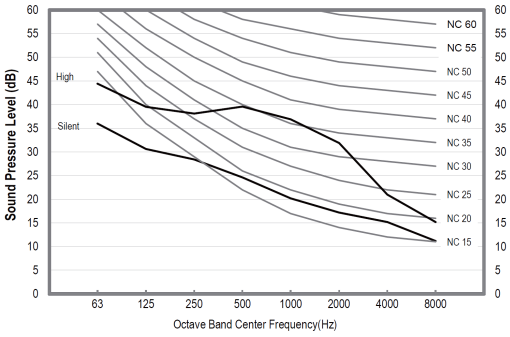
2) RNX12AMD (AR12DXFAMWKNCV)



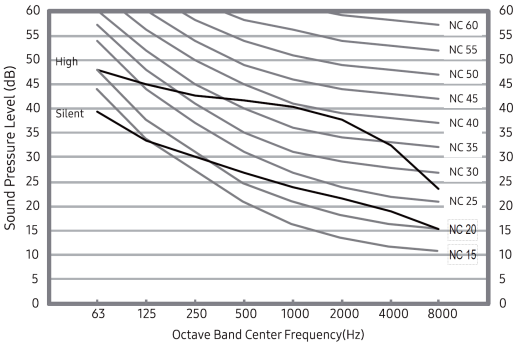
3) RNX15AMD (AR15DXFAMWKNCV)



4) RNX18AMD (AR18DXFAMWKNCV)



5) RNX24AMD (AR24DXFAMWKNCV)



NOTE

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  - Sound pressure level is obtained in an anechoic room.
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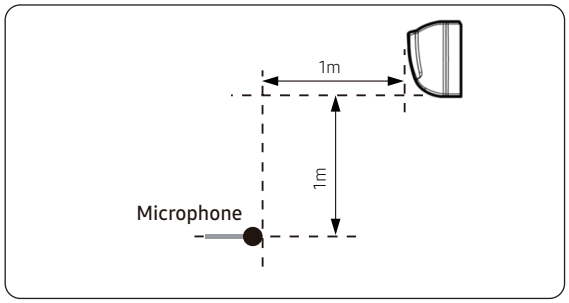
  - Sound pressure level may differ depending on operation condition.
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Indoor unit

Sound Pressure level

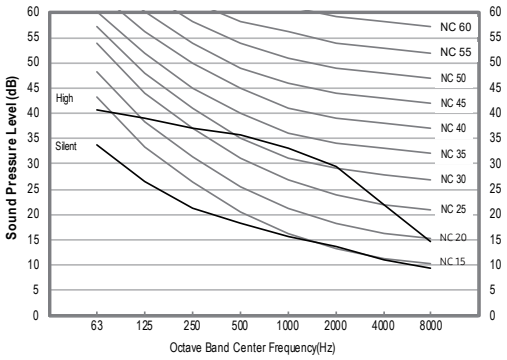


Unit: dB(A)

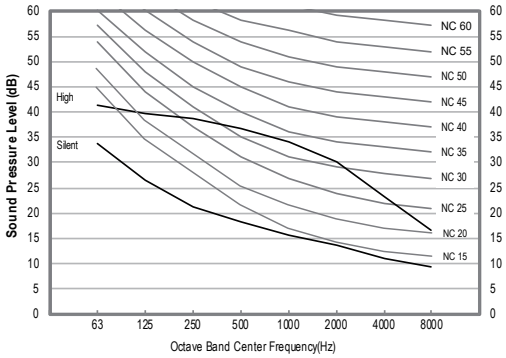
Model	Cooling	
	High	Silent
RNX09APD (AR09DXKAPWKNCV)	38	22
RNX12APD (AR12DXKAPWKNCV)	39	22
RNX15APD (AR15DXKAPWKNCV)	41	27
RNX18APD (AR18DXKAPWKNCV)	41	27
RNX24APD (AR24DXKAPWKNCV)	45	30

- NC Curve

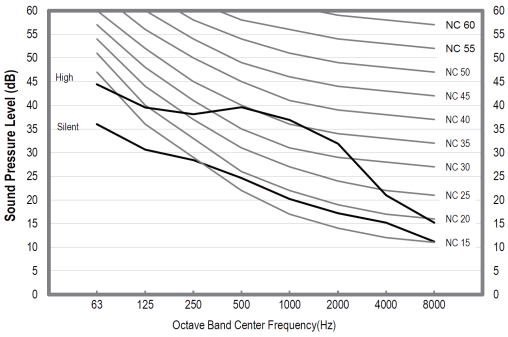
1) RNX09APD (AR09DXKAPWKNCV)



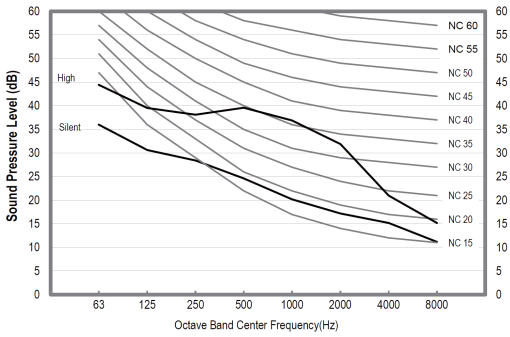
2) RNX12APD (AR12DXKAPWKNCV)



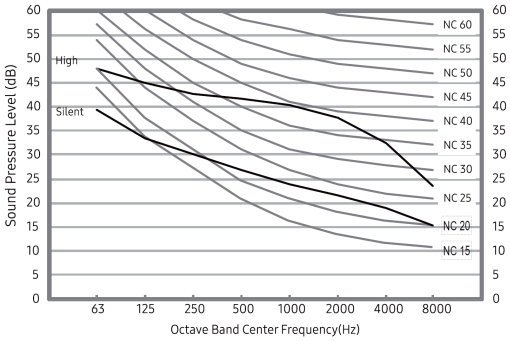
3) RNX15APD (AR15DXKAPWKNCV)



4) RNX18APD (AR18DXKAPWKNCV)



5) RNX24APD (AR24DXKAPWKNCV)



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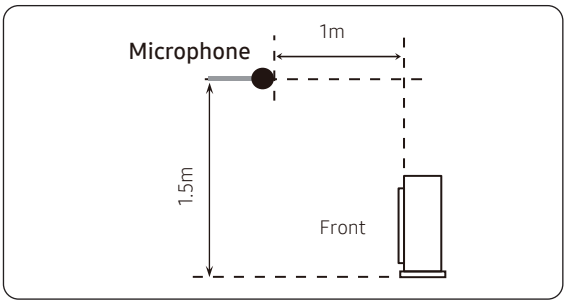
  - dBA = A weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa

6. Sound Data

Outdoor unit

Sound Pressure level

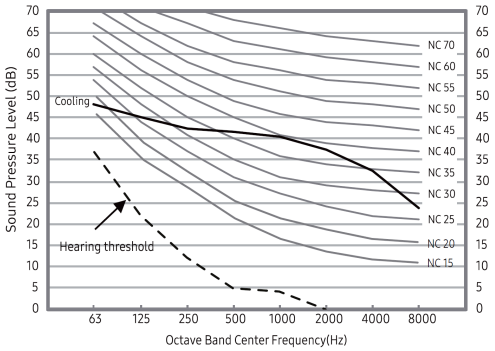


Unit: dB(A)

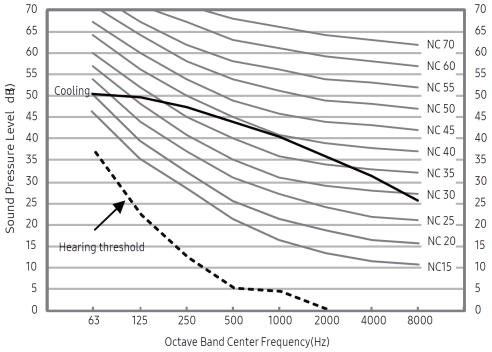
Model	Cooling
RXX09ACD (AR09DXDACWKXCV)	45
RXX12ACD (AR12DXDACWKXCV)	46
RXX15ACD (AR15DXDACWKXCV)	48
RXX18ACD (AR18DXDACWKXCV)	51
RXX24ACD (AR24DXDACWKXCV)	54

- NC Curve

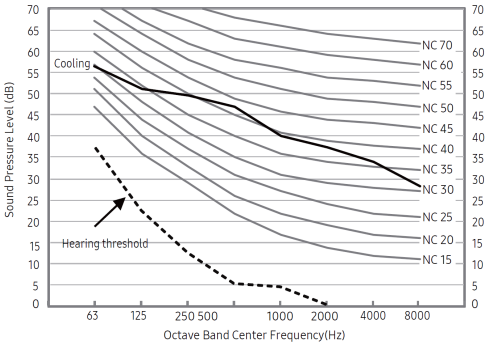
1) RXX09ACD (AR09DXDACWKXCV)



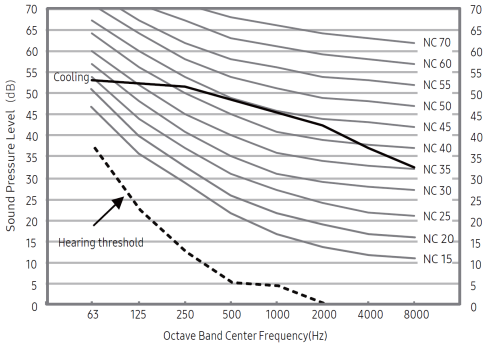
2) RXX12ACD (AR12DXDACWKXCV)



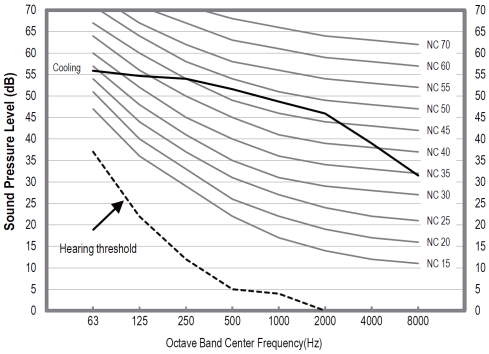
3) RXX15ACD (AR15DXDACWKXCV)



4) RXX18ACD (AR18DXDACWKXCV)



5) RXX24ACD (AR24DXDACWKXCV)



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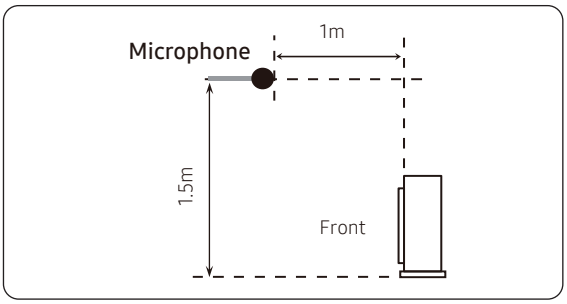
6. Sound Data

Outdoor unit

Sound Pressure level

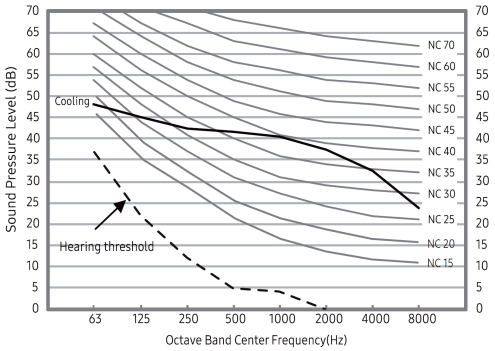


Unit: dB(A)

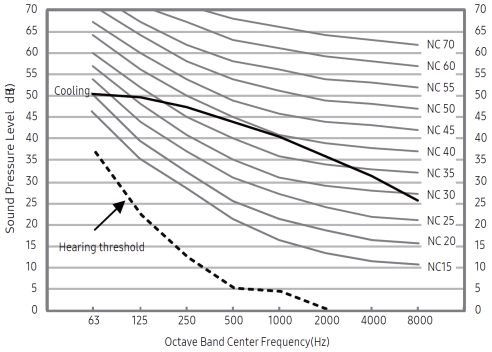
Model	Cooling
RXX09ABD (AR09DXDABWKXCV)	45
RXX12ABD (AR12DXDABWKXCV)	46
RXX15ABD (AR15DXDABWKXCV)	48
RXX18ABD (AR18DXDABWKXCV)	51
RXX24ABD (AR24DXDABWKXCV)	54

- NC Curve

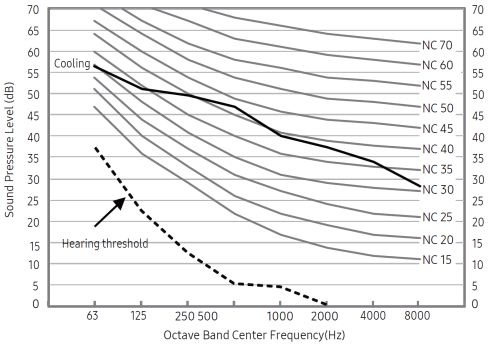
1) RXX09ABD (AR09DXDABWKXCV)



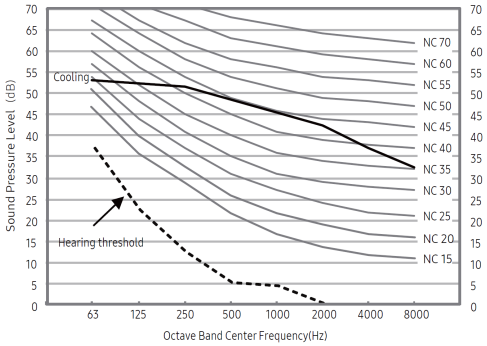
2) RXX12ABD (AR12DXDABWKXCV)



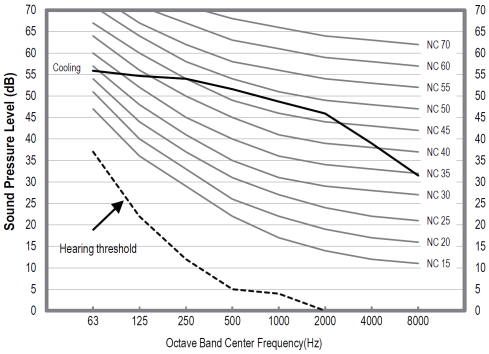
3) RXX15ABD (AR15DXDABWKXCV)



4) RXX18ABD (AR18DXDABWKXCV)



5) RXX24ABD (AR24DXDABWKXCV)



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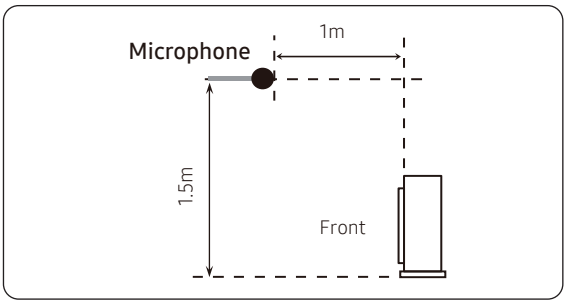
6. Sound Data

Outdoor unit

Sound Pressure level

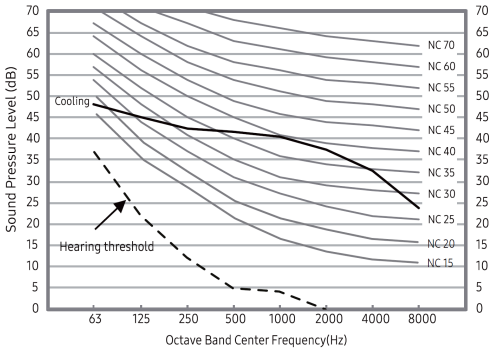


Unit: dB(A)

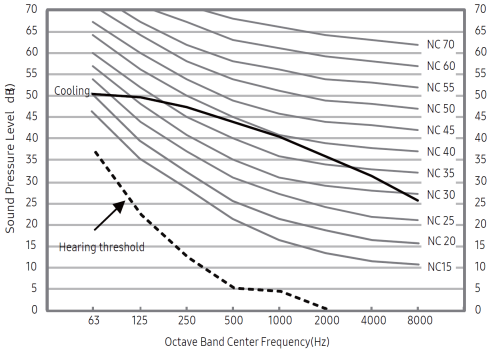
Model	Cooling
RXX09AMD (AR09DXFAMWKXCV)	45
RXX12AMD (AR12DXFAMWKXCV)	46
RXX15AMD (AR15DXFAMWKXCV)	51
RXX18AMD (AR18DXFAMWKXCV)	51
RXX24AMD (AR24DXFAMWKXCV)	54

- NC Curve

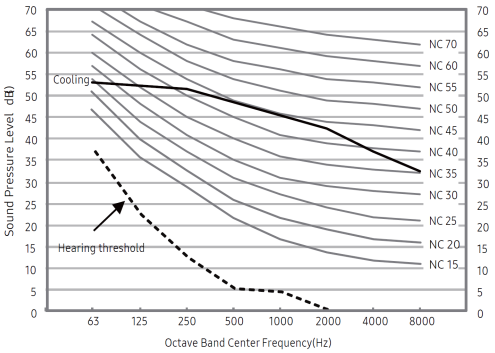
1) RXX09AMD (AR09DXFAMWKXCV)



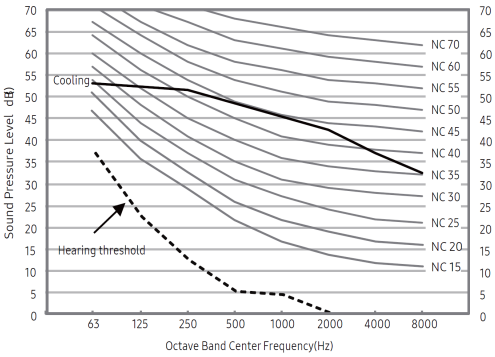
2) RXX12AMD (AR12DXFAMWKXCV)



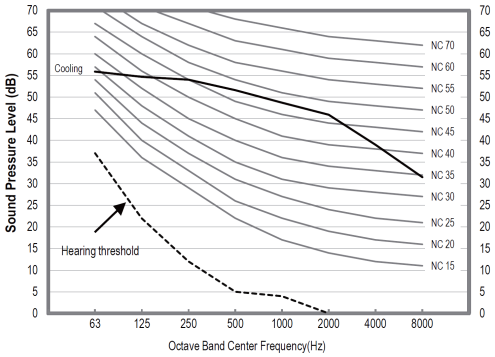
3) RXX15AMD (AR15DXFAMWKXCV)



4) RXX18AMD (AR18DXFAMWKXCV)



5) RXX24AMD (AR24DXFAMWKXCV)



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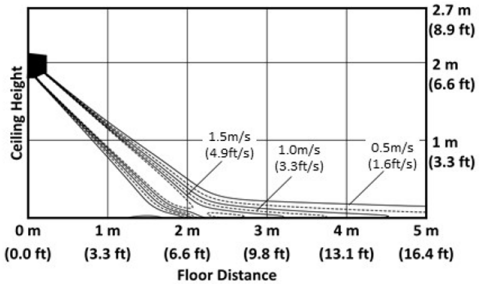
7. Temperature and air flow distribution

WindFree™* Max Heat®

RNX09ABD (AR09DXDABWKNCV)+RXX09ACD (AR09DXDACWKXCV)

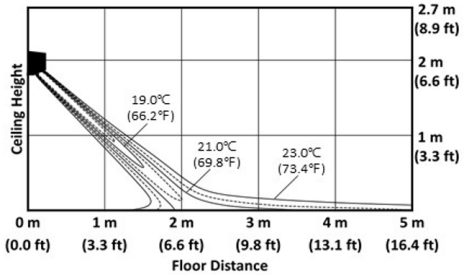
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



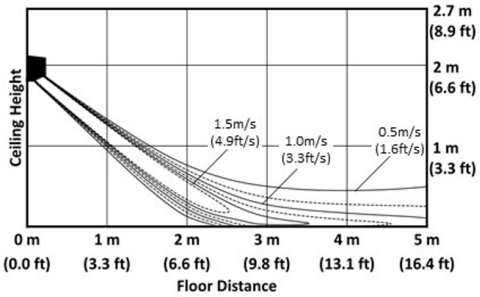
- Cooling temperature distribution

(Discharge angle : 20 degree)



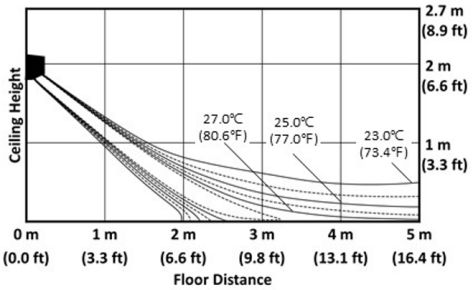
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

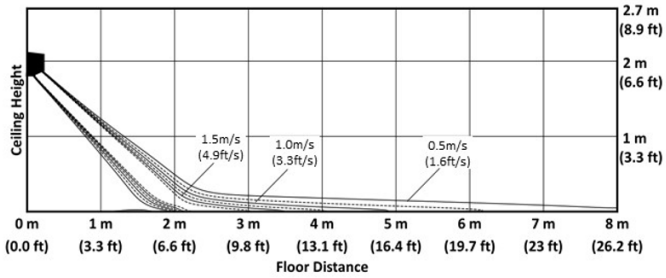
(Discharge angle : 30 degree)



RNX12ABD (AR12DXDABWKNCV)+RXX12ACD (AR12DXDACWKXCV)

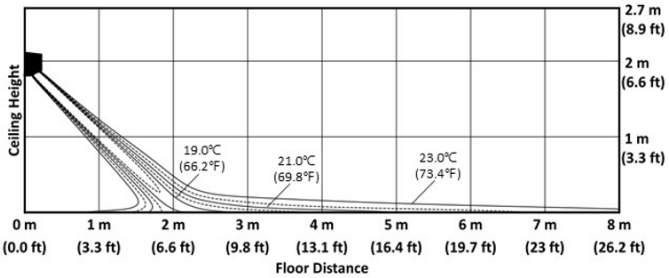
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



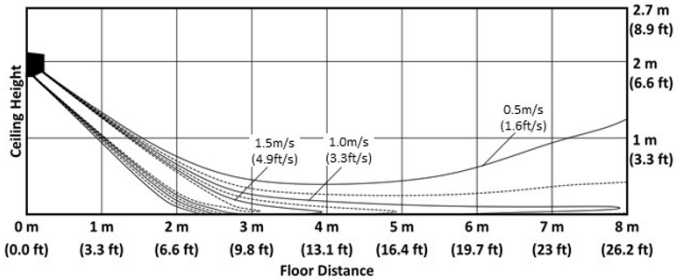
- Cooling temperature distribution

(Discharge angle : 20 degree)



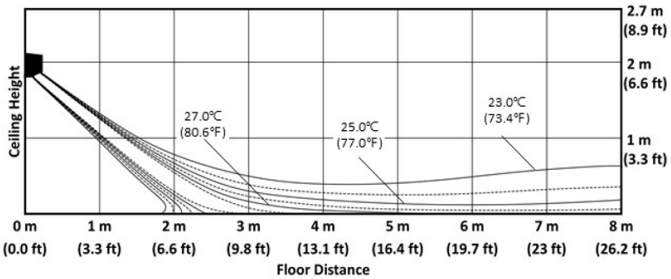
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



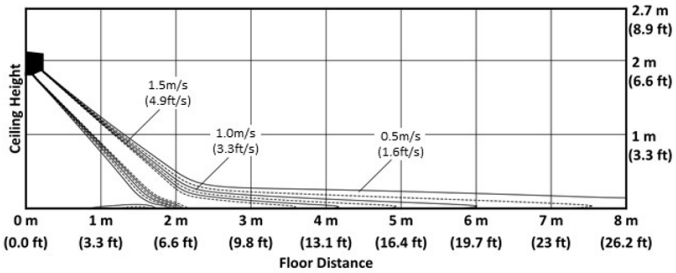
7. Temperature and air flow distribution

WindFree™* Max Heat®

RNX15ABD (AR15DXDABWKNCV)+RXX15ACD (AR15DXDACWKXCV)

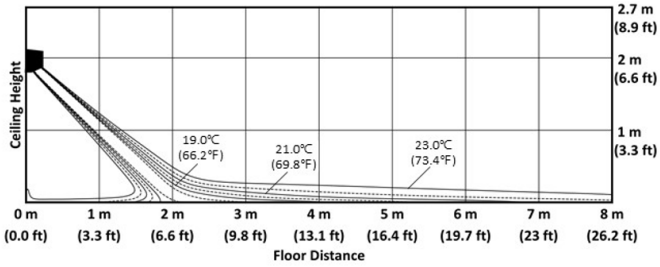
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



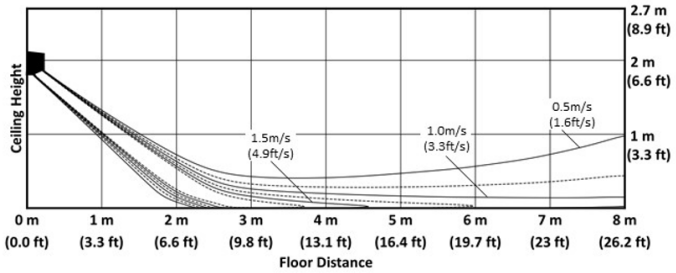
- Cooling temperature distribution

(Discharge angle : 20 degree)



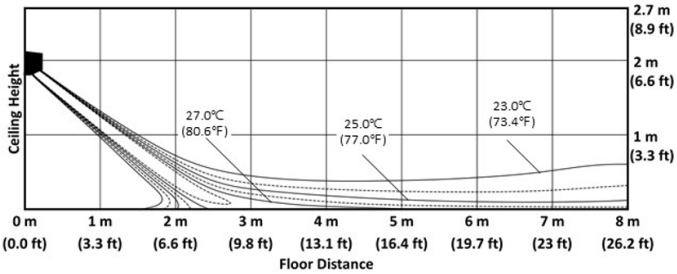
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

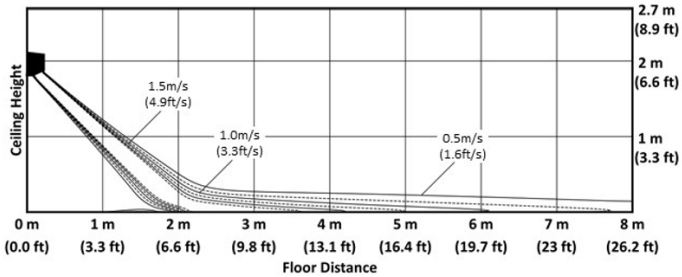
(Discharge angle : 30 degree)



RNX18ABD (AR18DXDABWKNCV)+RXX18ACD (AR18DXDACWKXCV)

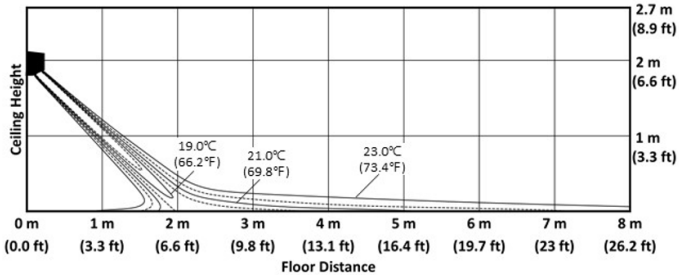
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



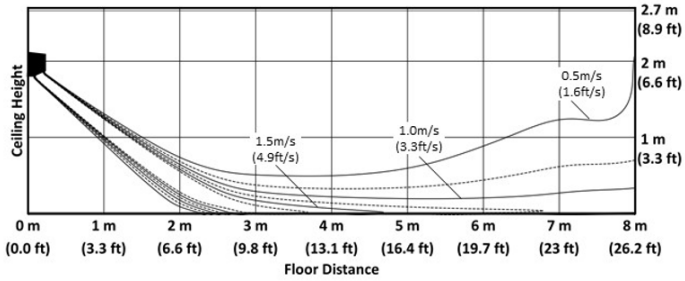
- Cooling temperature distribution

(Discharge angle : 20 degree)



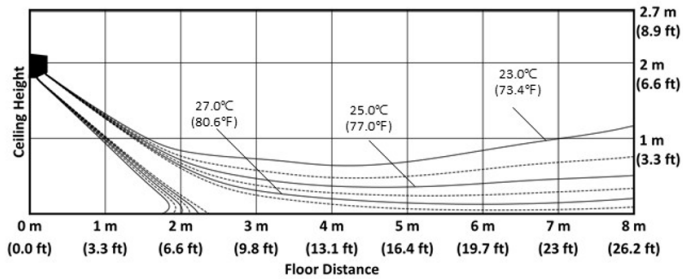
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



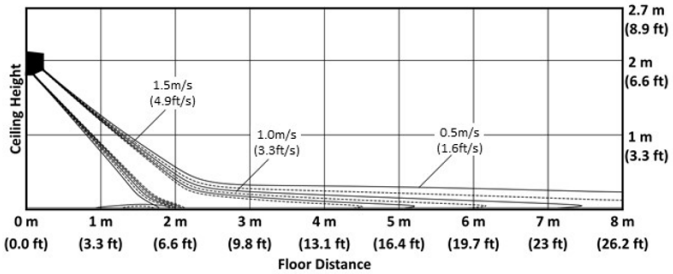
7. Temperature and air flow distribution

WindFree™* Max Heat®

RNX24ABD (AR24DXDABWKNCV)+RXX24ACD (AR24DXDACWKXCV)

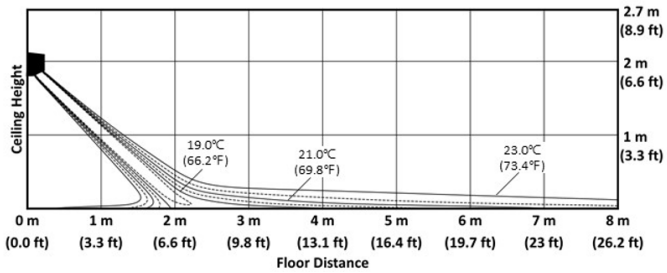
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



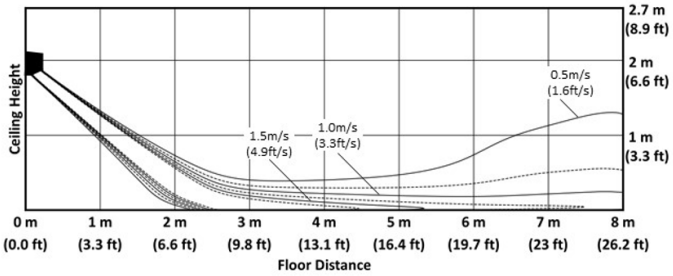
- Cooling temperature distribution

(Discharge angle : 20 degree)



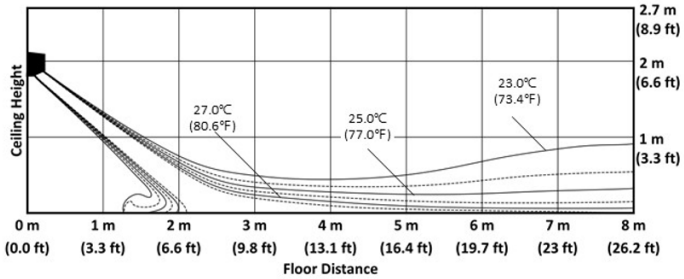
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



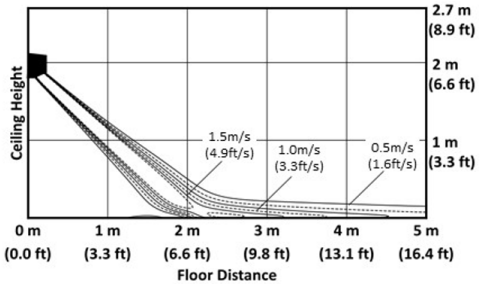
7. Temperature and air flow distribution

WindFree™* Premium

RNX09ABD (AR09DXDABWKNCV)+RXX09ABD (AR09DXDABWKXCV)

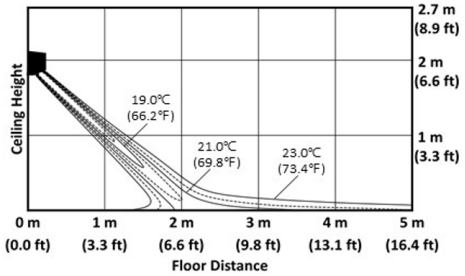
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



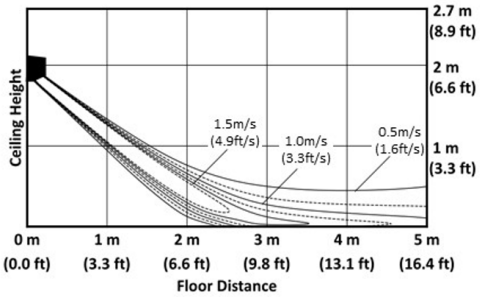
- Cooling temperature distribution

(Discharge angle : 20 degree)



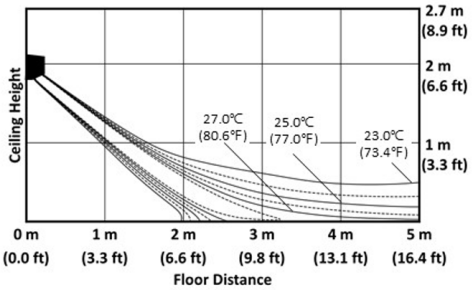
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

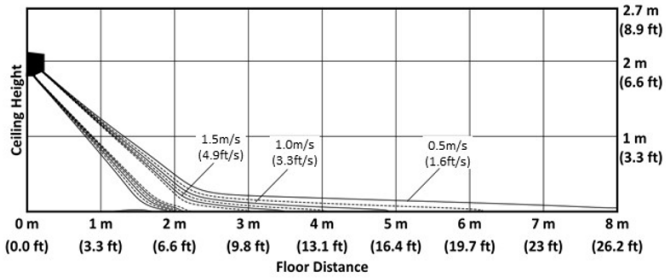
(Discharge angle : 30 degree)



RNX12ABD (AR12DXDABWKNCV)+RXX12ABD (AR12DXDABWKXCV)

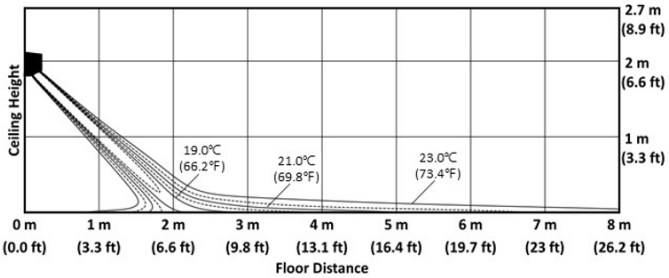
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



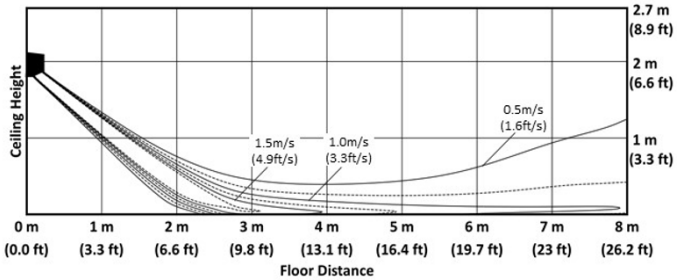
- Cooling temperature distribution

(Discharge angle : 20 degree)



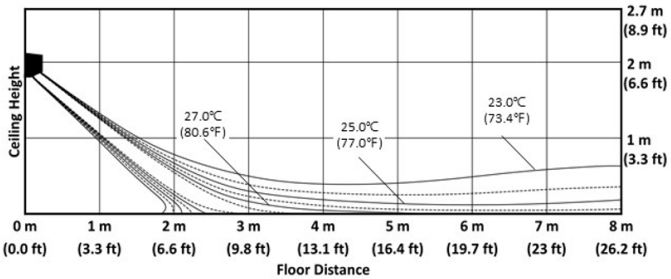
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



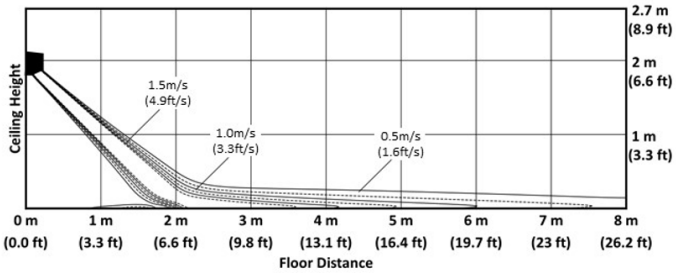
7. Temperature and air flow distribution

WindFree™* Premium

RNX15ABD (AR15DXDABWKNCV)+RXX15ABD (AR15DXDABWKXCV)

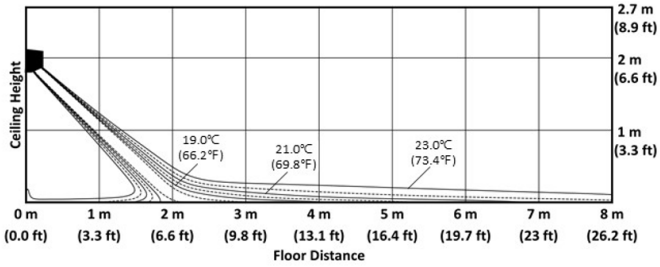
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



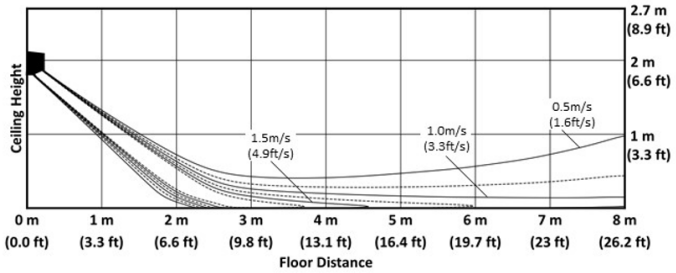
- Cooling temperature distribution

(Discharge angle : 20 degree)



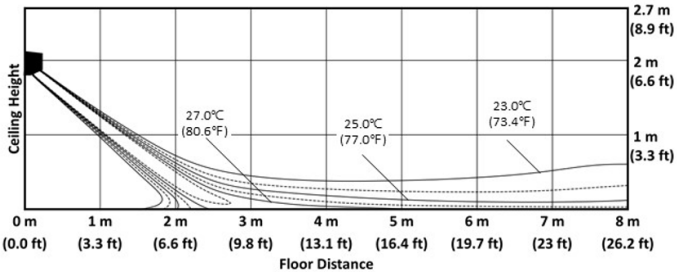
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

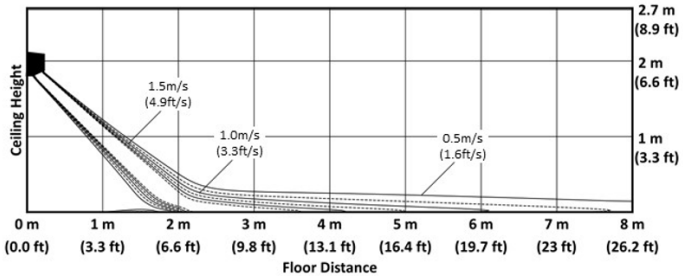
(Discharge angle : 30 degree)



RNX18ABD (AR18DXDABWKNCV)+RXX18ABD (AR18DXDABWKXCV)

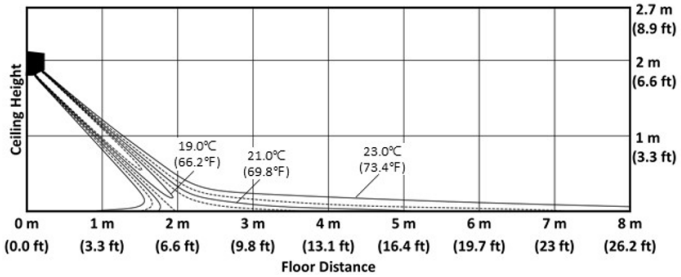
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



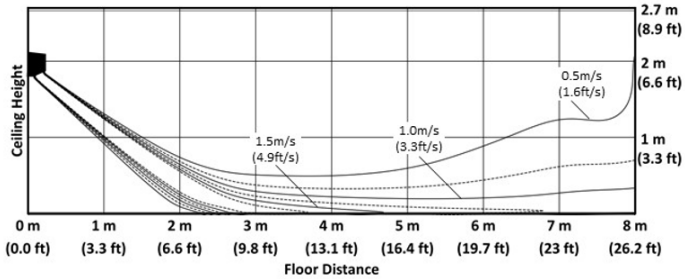
- Cooling temperature distribution

(Discharge angle : 20 degree)



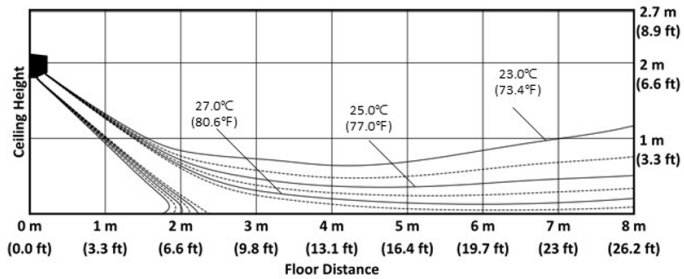
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



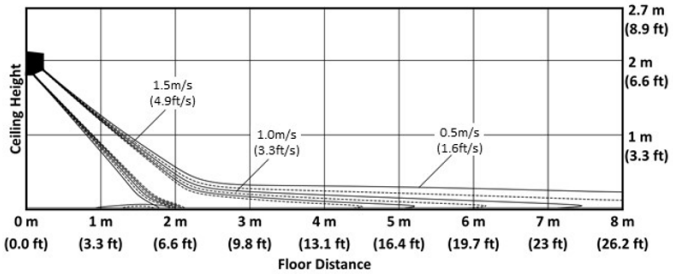
7. Temperature and air flow distribution

WindFree™* Premium

RNX24ABD (AR24DXDABWKNCV)+RXX24ABD (AR24DXDABWKXCV)

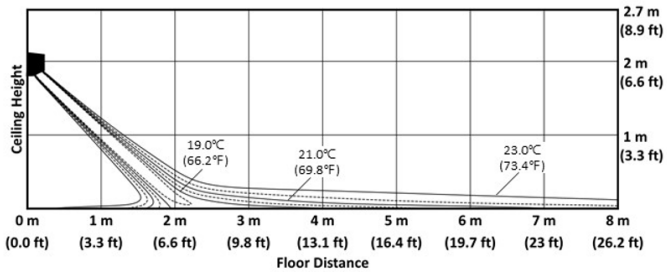
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



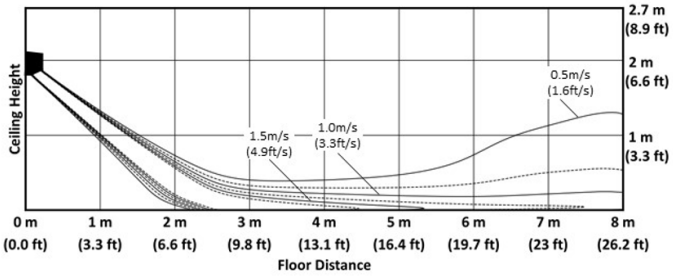
- Cooling temperature distribution

(Discharge angle : 20 degree)



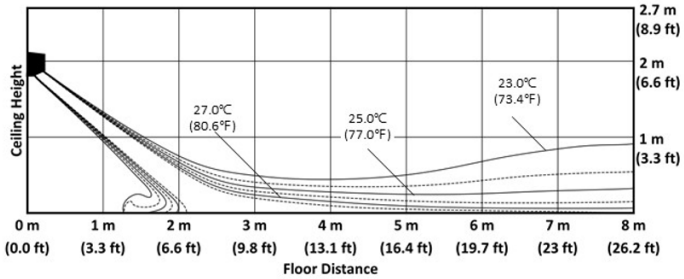
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



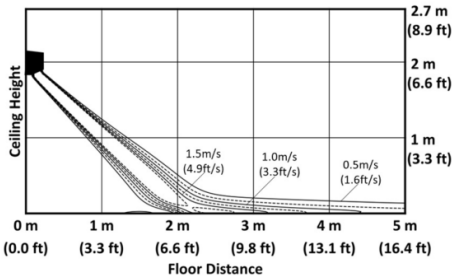
7. Temperature and air flow distribution

WindFree™* Standard

RNX09AMD (AR09DXFAMWKNCV)+RXX09AMD (AR09DXFAMWKXCV)

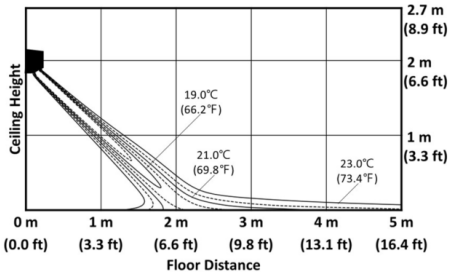
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



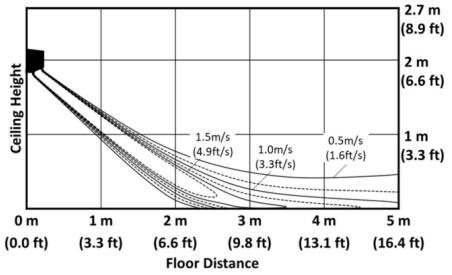
- Cooling temperature distribution

(Discharge angle : 20 degree)



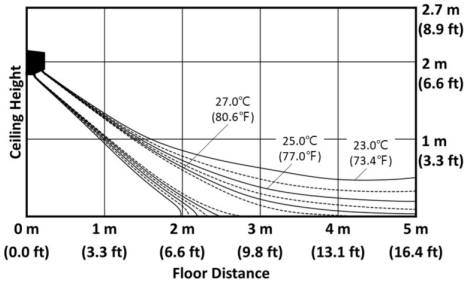
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

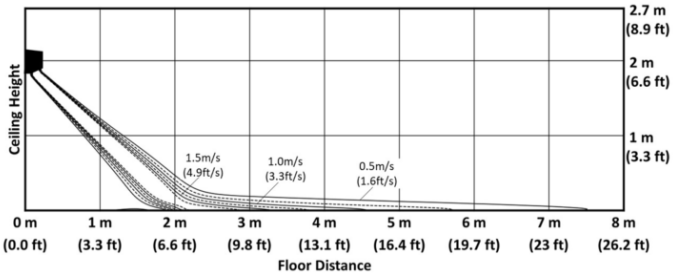
(Discharge angle : 30 degree)



RNX12AMD (AR12DXFAMWKNCV)+RXX12AMD (AR12DXFAMWKXCV)

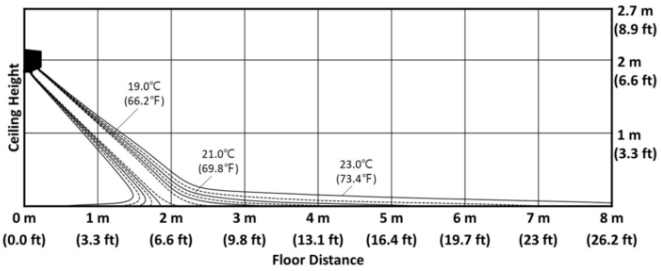
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



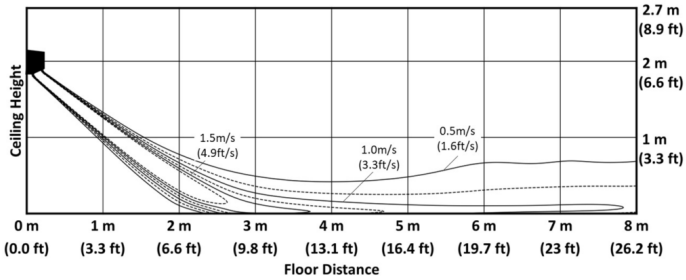
- Cooling temperature distribution

(Discharge angle : 20 degree)



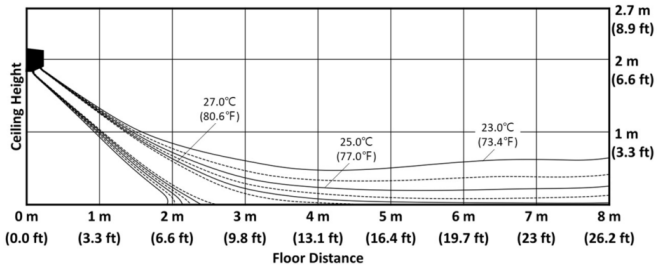
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



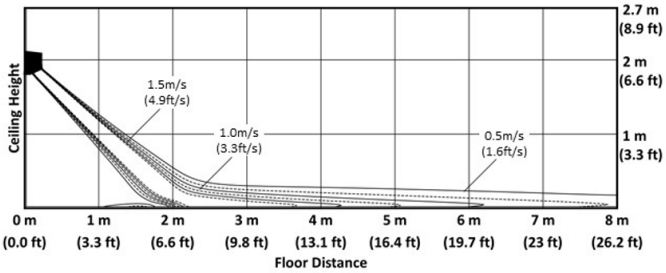
7. Temperature and air flow distribution

WindFree™* Standard

RNX15AMD (AR15DXFAMWKNCV)+RXX15AMD (AR15DXFAMWKXCV)

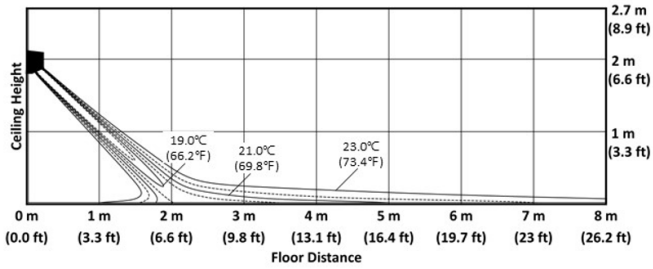
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



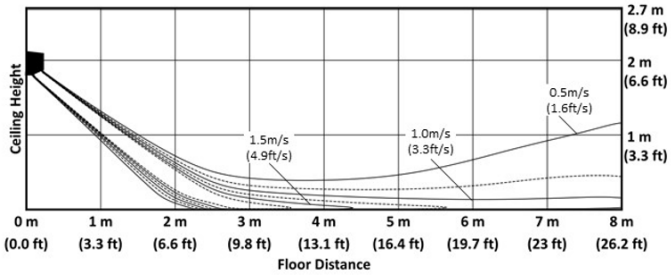
- Cooling temperature distribution

(Discharge angle : 20 degree)



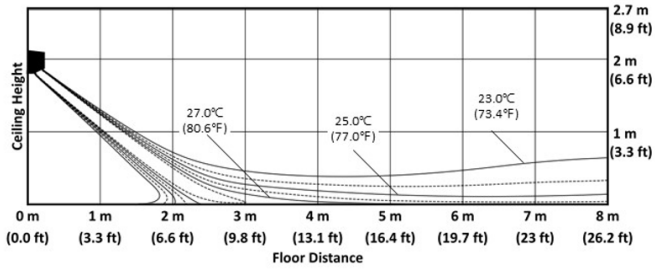
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

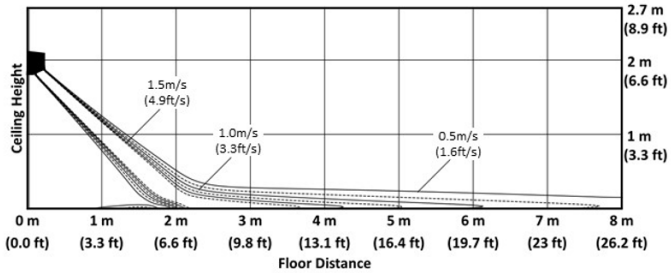
(Discharge angle : 30 degree)



RNX18AMD (AR18DXFAMWKNCV)+RXX18AMD (AR18DXFAMWKXCV)

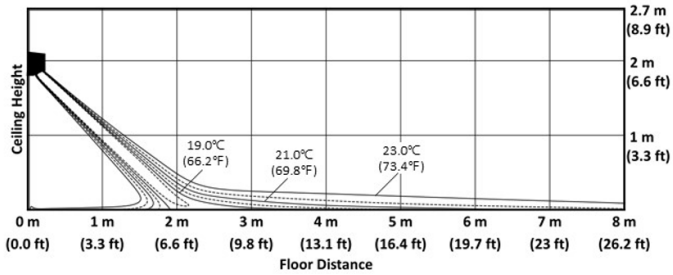
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



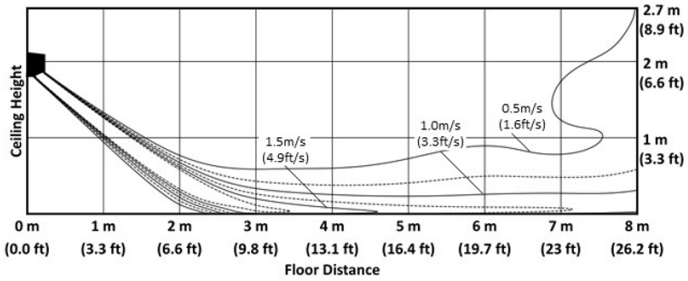
- Cooling temperature distribution

(Discharge angle : 20 degree)



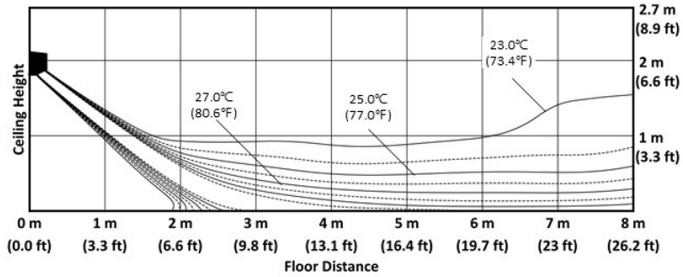
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



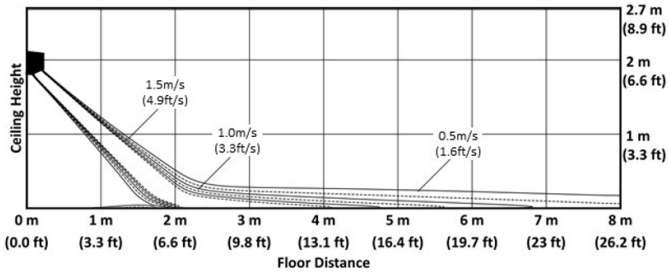
7. Temperature and air flow distribution

WindFree™* Standard

RNX24AMD (AR24DXFAMWKNCV)+RXX24AMD (AR24DXFAMWKXCV)

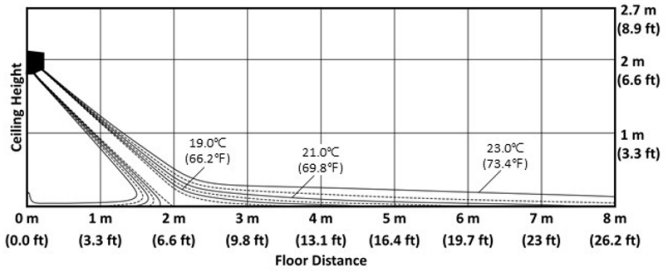
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



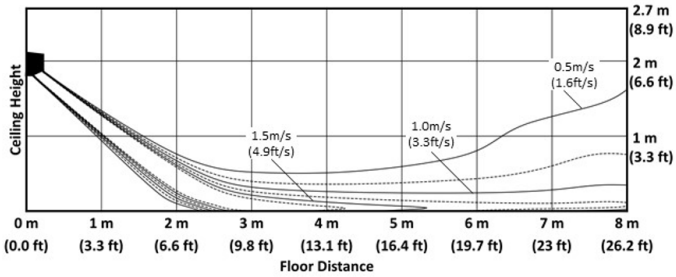
- Cooling temperature distribution

(Discharge angle : 20 degree)



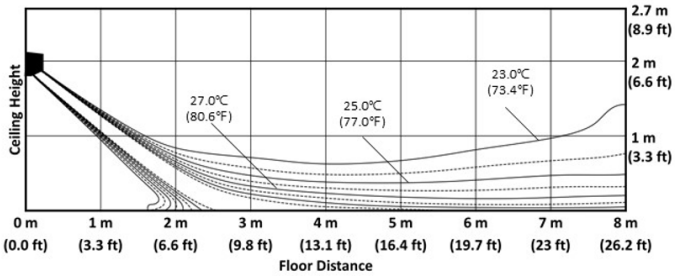
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



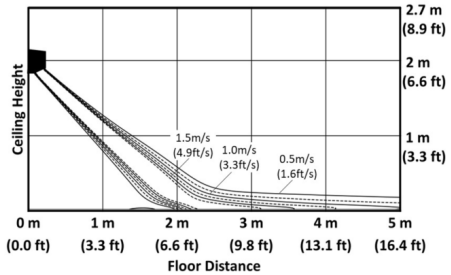
7. Temperature and air flow distribution

WindFree™* IAQ

RNX09APD (AR09DXKAPWKNCV)+RXX09AMD (AR09DXFAMWKXCV)

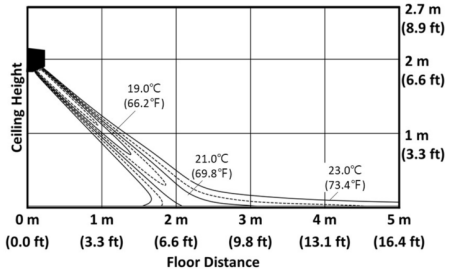
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



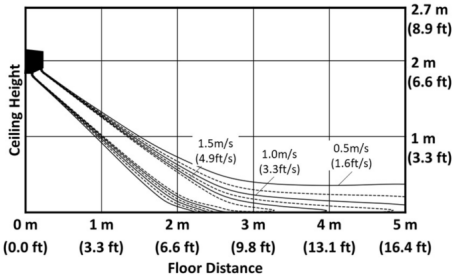
- Cooling temperature distribution

(Discharge angle : 20 degree)



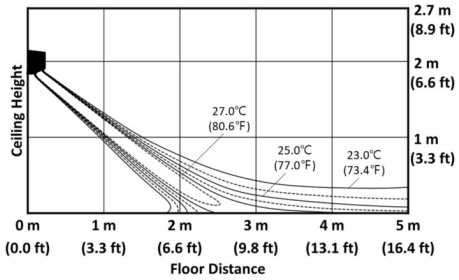
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

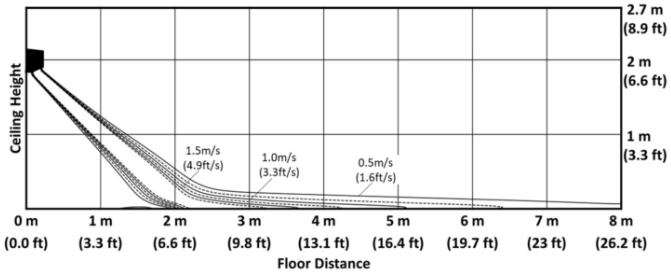
(Discharge angle : 30 degree)



RNX12APD (AR12DXKAPWKNCV)+RXX12AMD (AR12DXFAMWKXCV)

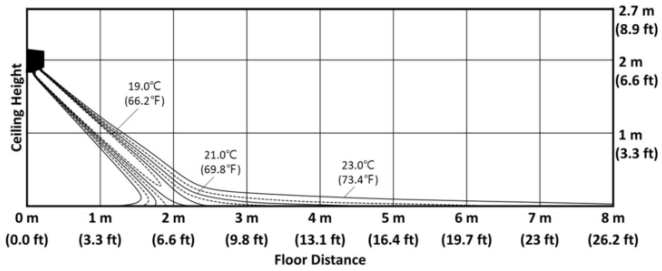
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



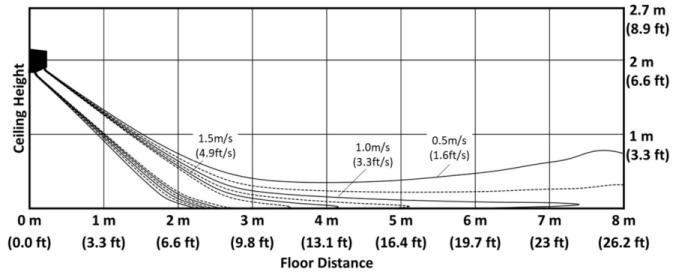
- Cooling temperature distribution

(Discharge angle : 20 degree)



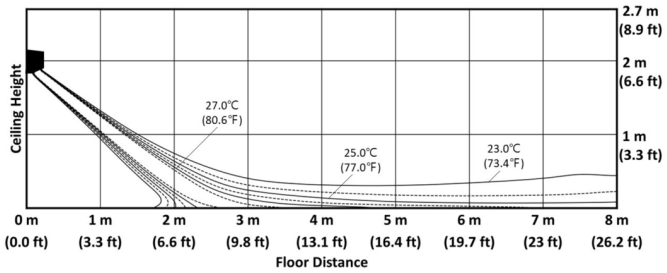
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



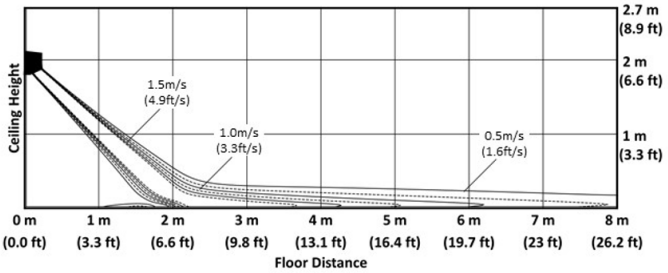
7. Temperature and air flow distribution

WindFree™* IAQ

RNX15APD (AR15DXKAPWKNCV)+RXX15AMD (AR15DXFAMWKXCV)

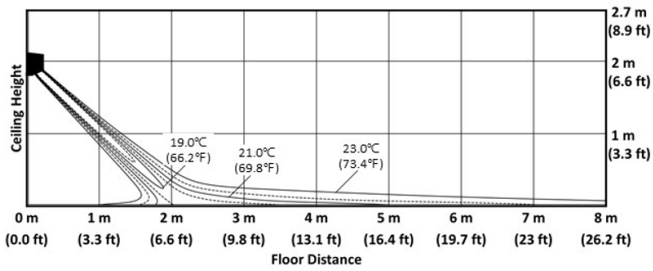
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



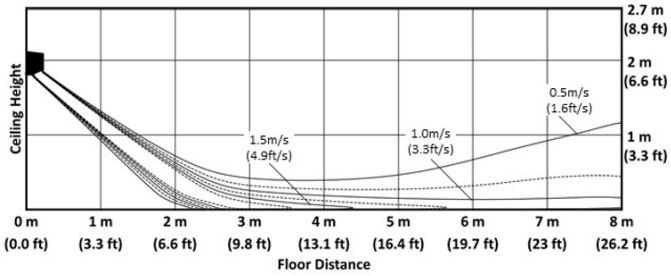
- Cooling temperature distribution

(Discharge angle : 20 degree)



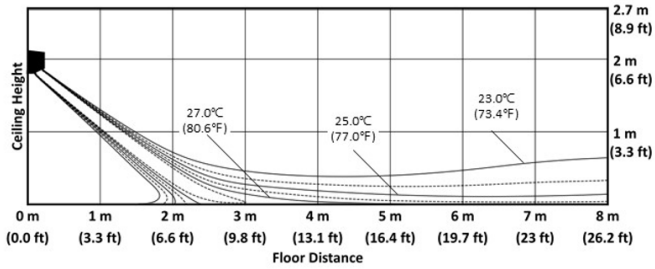
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

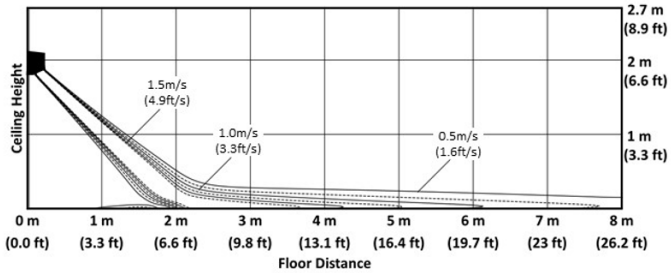
(Discharge angle : 30 degree)



RNX18APD (AR18DXKAPWKNCV)+RXX18AMD (AR18DXFAMWKXCV)

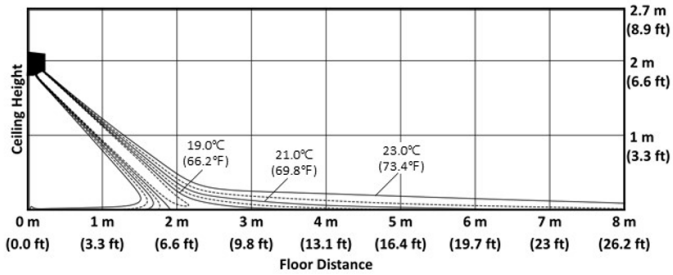
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



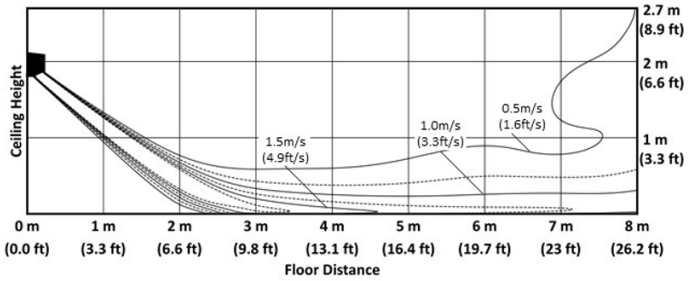
- Cooling temperature distribution

(Discharge angle : 20 degree)



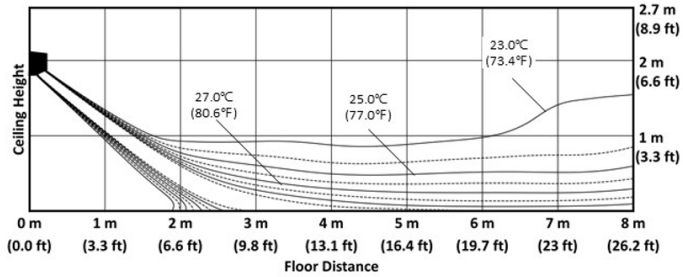
- Heating Air Velocity distribution

(Discharge angle : 30 degree)



- Heating temperature distribution

(Discharge angle : 30 degree)



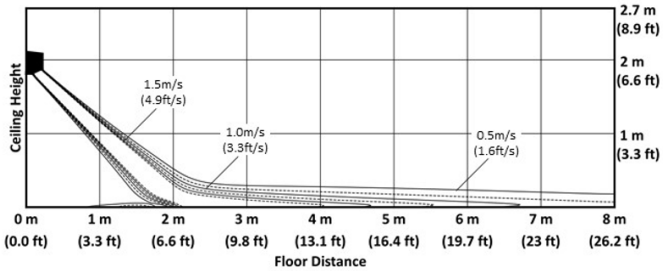
7. Temperature and air flow distribution

WindFree™* IAQ

RNX24APD (AR24DXKAPWKNCV)+RXX24AMD (AR24DXFAMWKXCV)

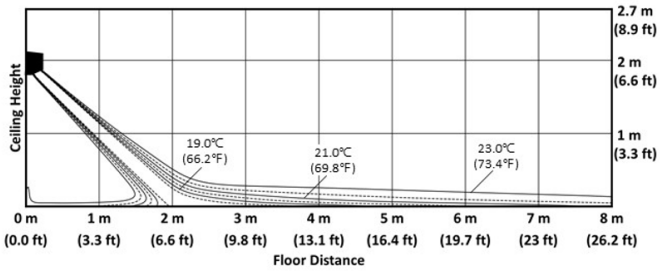
- Cooling Air Velocity distribution

(Discharge angle : 20 degree)



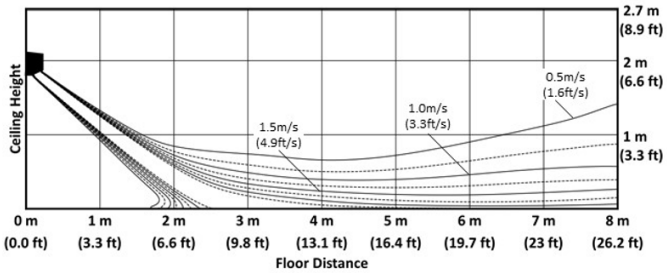
- Cooling temperature distribution

(Discharge angle : 20 degree)



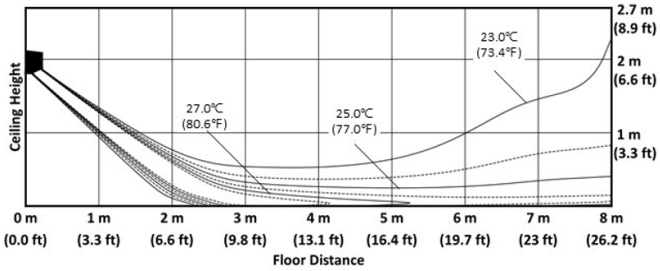
- Heating Air Velocity distribution

(Discharge angle : 30 degree)

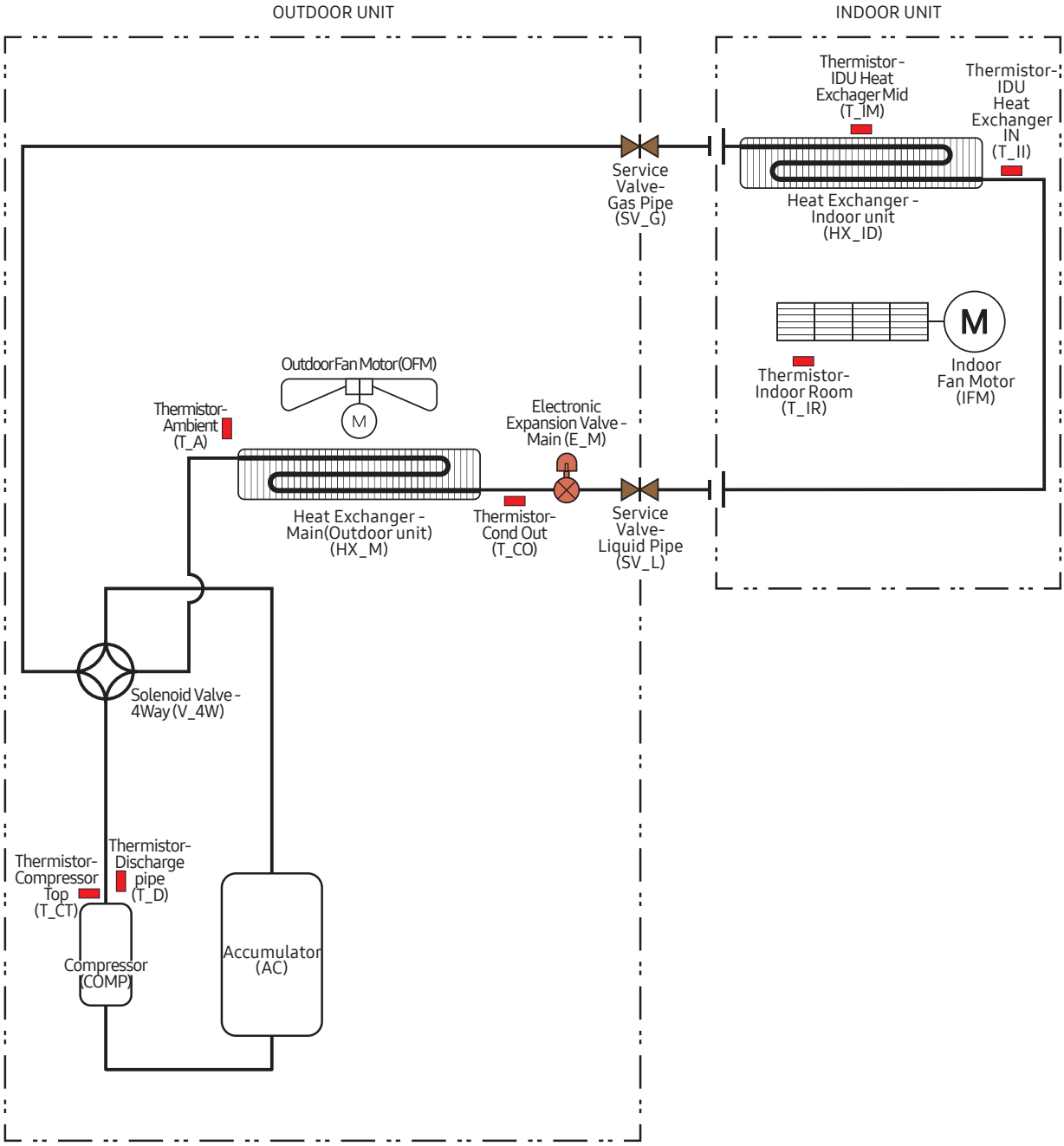


- Heating temperature distribution

(Discharge angle : 30 degree)



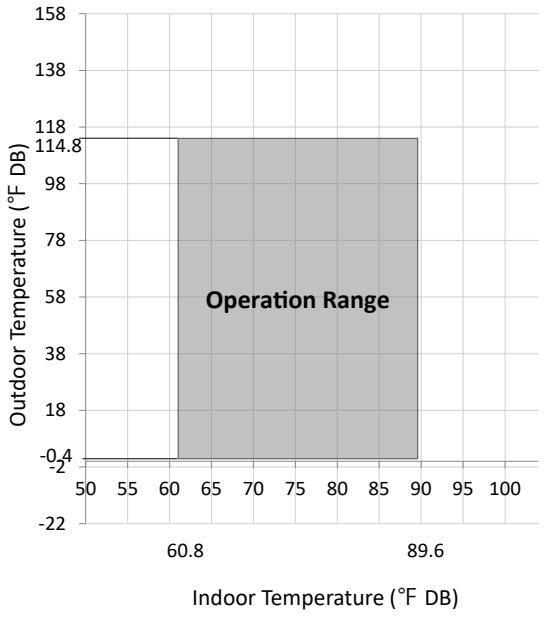
8. Piping Diagram



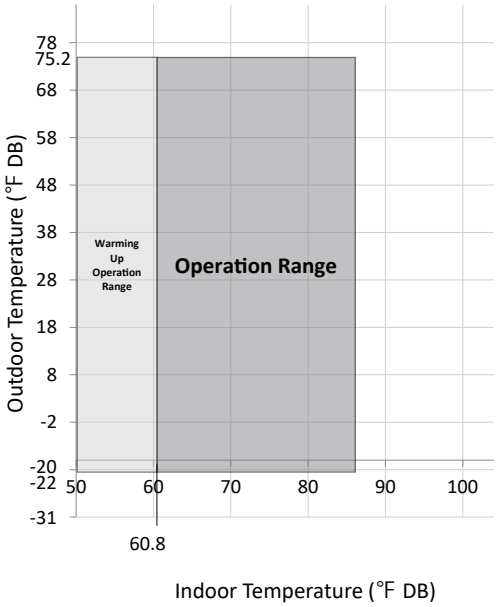
9. Operation Limit

WindFree™* Max Heat®

Cooling



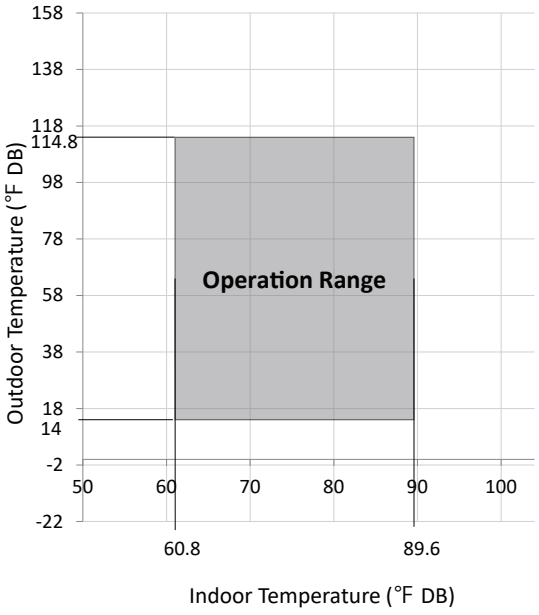
Heating



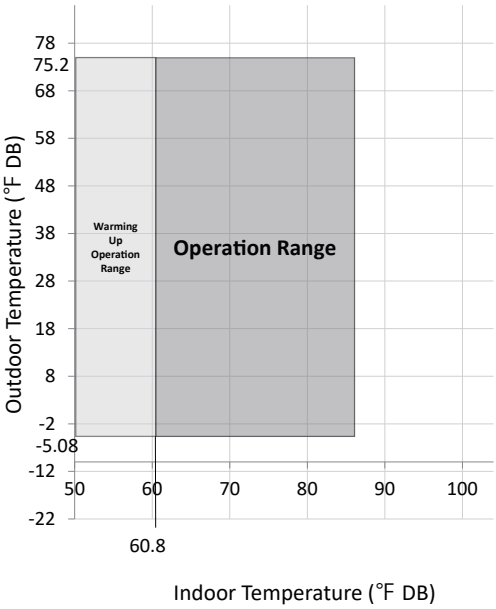
9. Operation Limit

WindFree™* Premium/Standard/IAQ

Cooling



Heating

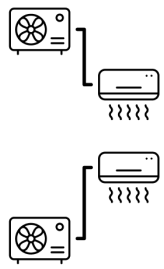


10. Capacity Correction

Outdoor Unit

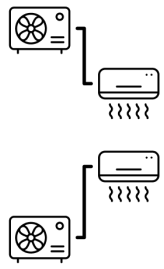
9/12KBtu/h

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



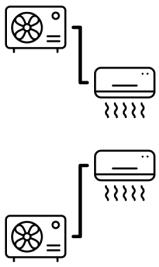
		Pipe Length (ft)				
		16	33	41	49	66
Level Difference (ft)	49	-	-	-	0.92	0.90
	33	-	0.95	0.94	0.93	0.91
	26	-	0.96	0.95	0.94	0.92
	16	0.99	0.97	0.96	0.95	0.93
	0	1.00	0.98	0.97	0.96	0.94
	-16	0.99	0.97	0.96	0.95	0.93
	-26	-	0.96	0.95	0.94	0.92
	-33	-	0.95	0.94	0.93	0.91
	-49	-	-	-	0.92	0.90

10. Capacity Correction

Outdoor Unit

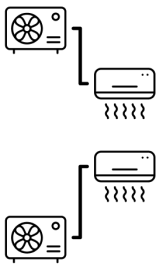
15/18/24KBtu/h

Cooling



		Pipe Length (ft)						
		16	33	41	49	66	82	98
Level Difference (ft)	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
Level Difference (ft)	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

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2024. 11
Ver.1.1