

Ceiling Concealed Duct (Middle Static)

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1. List of functions

Category	Function	ARNU07GM1A4, ARNU09GM1A4, ARNU12GM1A4, ARNU15GM1A4, ARNU18GM1A4, ARNU24GM1A4, ARNU28GM2A4, ARNU36GM2A4, ARNU42GM2A4, ARNU48GM3A4, ARNU54GM3A4
Air flow	Air supply outlet	1
	Airflow direction control(left & right)	-
	Airflow direction control(up & down)	-
	Auto swing(left & right)	-
	Auto swing(up & down)	-
	Airflow steps(fan/cool/heat)	3 / 3 / 3
	Chaos swing	-
	Chaos wind(auto wind)	-
	Jet cool(Power wind)	-
	Swirl wind	-
Air purifying	Deodorizing filter	X
	Plasma air purifier	X
	Prefilter(washable / anti-fungus)	O
Installation	Drain pump	O
	E.S.P. control*	O
	Electric heater(operation)	X
	High ceiling operation*	-
Reliability	Hot start	O
	Self diagnosis	O
	Soft dry operation	O
Convenience	Auto changeover	O(Heat recovery)
	Auto cleaning	X
	Auto operation(artificial intelligence)	O(Heat pump or Cooling only)
	Auto restart operation	O
	Child lock*	O
	Forced operation	-
	Group control	O
	Sleep mode	X
	Timer(on/off)	O
	Timer(weekly)*	O
	Two thermistor control*	O
	External On/Off	O
Individual control	Wide wired remote controller (RS2)	PQRCVSL0/PQRCVSL0QW
	Wide wired remote controller (RS2 Plus)	PREMTB001/PREMTBB01
	Premium wired remote controller	PREMTA000/PREMTA000A/PREMTA000B
	Simple wired remote controller	PQRCVCL0Q(W)
	Wired remote controller(for hotel use)	PQRCHCA0Q(W)
	Wireless LCD remote control	PQWRH(C)Q0FDB
Special function kit	Zone control	ABZCA
	CTIE	-
	Electro thermostat	-
	Remote temperature sensor	PQRSTA0
	Group control wire	PZCWRCG3
	Dry contact	PDRYCB000/PDRYCB300/PDRYCB400/PDRYCB500

Note

1. O : Applied
X : Not Applied
Accessory model name : Installed at field, ordered and purchased separately by the corresponding model name, supplied with separate package.
2. Some functions can be limited by remote controller.
3. In case of ducted type indoor units using the wireless remote controller, it needs to connect the wired remote controller for received the signal of that.
4. In case of cassette type indoor units, Plasma kit and Auto Elevation Grille functions are not applicable at the same time.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static	
Model		Unit	ARNU07GM1A4	ARNU09GM1A4
Cooling Capacity		kW	2.2	2.8
		kcal/h	1,900	2,400
		Btu/h	7,500	9,600
Heating Capacity		kW	2.5	3.2
		kcal/h	2,200	2,800
		Btu/h	8,500	10,900
Power Input	Nominal	W	39	40
	Rated	W	190	190
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	900 × 270 × 700	900 × 270 × 700
		inch	35-7/16 x 10-5/8 x 27-9/16	35-7/16 x 10-5/8 x 27-9/16
Coil	Rows x Columns x FPI		2 x 13 x 18	2 x 13 x 18
	Face Area	m²	0.21	0.21
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	136 x 1	136 x 1
	Running Current	A	1.6	1.6
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0
		ft³/min	318 / 265 / 212	336 / 265 / 212
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	9.0 / 7.5 / 6.0	9.5 / 7.5 / 6.0
		ft³/min	318 / 265 / 212	336 / 265 / 212
	External Static Pressure	mmAq(Pa)	2.5(25)	2.5(25)
	Drive		Direct	Direct
Motor type		BLDC	BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insulation Material			Foamed polystyrene	Foamed polystyrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø6.35(1/4)	Ø6.35(1/4)
	Gas Side	mm(inch)	Ø12.7(1/2)	Ø12.7(1/2)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	25.5(56)	25.5(56)
Sound Pressure Levels (H / M / L)		dB(A)	26 / 24 / 23	27 / 25 / 23
Sound Power Levels (H / M / L)		dB(A)	55 / 54 / 51	55 / 54 / 52
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
			1, 220, 60	1, 220, 60
Refrigerant Control			EEV	EEV
Transmission cable		mm²	1.0~1.5 x 2C	1.0~1.5 x 2C

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static	
Model		Unit	ARNU12GM1A4	ARNU15GM1A4
Cooling Capacity		kW	3.6	4.5
		kcal/h	3,100	3,900
		Btu/h	12,300	15,400
Heating Capacity		kW	4.0	5.0
		kcal/h	3,400	4,300
		Btu/h	13,600	17,100
Power Input	Nominal	W	46	67
	Rated	W	190	190
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	900 × 270 × 700	900 × 270 × 700
		inch	35-7/16 x 10-5/8 x 27-9/16	35-7/16 x 10-5/8 x 27-9/16
Coil	Rows x Columns x FPI		2 x 13 x 18	2 x 13 x 18
	Face Area	m²	0.21	0.21
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	136 x 1	136 x 1
	Running Current	A	1.6	1.6
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	11.0 / 9.0 / 7.0	16.0 / 12.0 / 9.0
		ft³/min	388 / 318 / 247	565 / 424 / 318
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	11.0 / 9.0 / 7.0	16.0 / 12.0 / 9.0
		ft³/min	388 / 318 / 247	565 / 424 / 318
	External Static Pressure	mmAq(Pa)	2.5(25)	2.5(25)
	Drive		Direct	Direct
Motor type		BLDC	BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insulation Material			Foamed polystyrene	Foamed polystyrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø6.35(1/4)	Ø6.35(1/4)
	Gas Side	mm(inch)	Ø12.7(1/2)	Ø12.7(1/2)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	25.5(56)	25.5(56)
Sound Pressure Levels (H / M / L)		dB(A)	27 / 25 / 23	30 / 27 / 23
Sound Power Levels (H / M / L)		dB(A)	56 / 54 / 52	59 / 57 / 55
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
			1, 220, 60	1, 220, 60
Refrigerant Control			EEV	EEV
Transmission cable		mm²	1.0~1.5 x 2C	1.0~1.5 x 2C

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Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
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 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static	
Model		Unit	ARNU18GM1A4	ARNU24GM1A4
Cooling Capacity		kW	5.6	7.1
		kcal/h	4,800	6,100
		Btu/h	19,100	24,200
Heating Capacity		kW	6.3	8.0
		kcal/h	5,400	6,900
		Btu/h	21,500	27,300
Power Input	Nominal	W	85	91
	Rated	W	190	190
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	900 × 270 × 700	900 × 270 × 700
		inch	35-7/16 x 10-5/8 x 27-9/16	35-7/16 x 10-5/8 x 27-9/16
Coil	Rows x Columns x FPI		2 x 13 x 18	3 x 13 x 18
	Face Area	m²	0.21	0.21
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	136 x 1	136 x 1
	Running Current	A	1.6	1.6
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
		ft³/min	600 / 512 / 424	671 / 565 / 494
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	17.0 / 14.5 / 12.0	19.0 / 16.0 / 14.0
		ft³/min	600 / 512 / 424	671 / 565 / 494
	External Static Pressure	mmAq(Pa)	2.5(25)	2.5(25)
	Drive		Direct	Direct
Motor type		BLDC	BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insulation Material			Foamed polystyrene	Foamed polystyrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø6.35(1/4)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø12.7(1/2)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	25.5(56)	26.5(58)
Sound Pressure Levels (H / M / L)		dB(A)	31 / 28 / 25	32 / 29 / 26
Sound Power Levels (H / M / L)		dB(A)	59 / 57 / 55	59 / 58 / 56
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
			1, 220, 60	1, 220, 60
Refrigerant Control			EEV	EEV
Transmission cable		mm²	1.0~1.5 x 2C	1.0~1.5 x 2C

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Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
Therefore, these values can be increased owing to ambient conditions during operation.
- Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static	
Model		Unit	ARNU28GM2A4	ARNU36GM2A4
Cooling Capacity		kW	8.2	10.6
		kcal/h	7,100	9,100
		Btu/h	28,000	36,200
Heating Capacity		kW	9.2	11.9
		kcal/h	8,000	10,200
		Btu/h	31,500	40,600
Power Input	Nominal	W	123	184
	Rated	W	350	350
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,250 × 270 × 700	1,250 × 270 × 700
		inch	49-7/32 x 10-5/8 x 27-9/16	49-7/32 x 10-5/8 x 27-9/16
Coil	Rows x Columns x FPI		2 x 13 x 18	2 x 13 x 18
	Face Area	m²	0.31	0.31
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	350 x 1	350 x 1
	Running Current	A	2.3	2.3
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0
		ft³/min	989 / 848 / 742	1130 / 989 / 848
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	28.0 / 24.0 / 21.0	32.0 / 28.0 / 24.0
		ft³/min	989 / 848 / 742	1130 / 989 / 848
	External Static Pressure	mmAq(Pa)	5(49)	5(49)
	Drive		Direct	Direct
Motor type		BLDC	BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insulation Material			Foamed polystyrene	Foamed polystyrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	38.0(84)	38.0(84)
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 33	37 / 36 / 34
Sound Power Levels (H / M / L)		dB(A)	59 / 57 / 55	60 / 59 / 57
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
			1, 220, 60	1, 220, 60
Refrigerant Control			EEV	EEV
Transmission cable		mm²	1.0~1.5 x 2C	1.0~1.5 x 2C

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- Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
Therefore, these values can be increased owing to ambient conditions during operation.
- Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static	
Model		Unit	ARNU42GM2A4	ARNU48GM3A4
Cooling Capacity		kW	12.3	14.1
		kcal/h	10,600	12,100
		Btu/h	42,000	48,100
Heating Capacity		kW	13.8	15.9
		kcal/h	11,800	13,600
		Btu/h	47,000	54,200
Power Input	Nominal	W	231	172
	Rated	W	350	400
Casing			Galvanized Steel Plate	Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,250 × 270 × 700	1,250 × 360 × 700
		inch	49-7/32 x 10-5/8 x 27-9/16	49-7/32 x 14-3/16 x 27-9/16
Coil	Rows x Columns x FPI		3 x 13 x 18	3 x 16 x 18
	Face Area	m²	0.31	0.36
Fan	Type		Sirocco Fan	Sirocco Fan
	Motor Output x Number	W	350 x 1	350 x 1
	Running Current	A	2.3	2.5
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0
		ft³/min	1342 / 1165 / 989	1413 / 1201 / 989
	External Static Pressure	mmAq(Pa)	6(59)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	38.0 / 33.0 / 28.0	40.0 / 34.0 / 28.0
		ft³/min	1342 / 1165 / 989	1413 / 1201 / 989
	External Static Pressure	mmAq(Pa)	5(49)	5(49)
	Drive		Direct	Direct
Motor type		BLDC	BLDC	
Temperature Control			Microprocessor, Thermostat for cooling and heating	
Sound Absorbing Thermal Insulation Material			Foamed polystyrene	Foamed polystyrene
Air Filter			-	-
Safety Device			Fuse	Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø15.88(5/8)	Ø15.88(5/8)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)	25(1)
Net Weight	Body	kg(lbs)	39.5(87)	44(97)
Sound Pressure Levels (H / M / L)		dB(A)	38 / 37 / 36	39 / 37 / 35
Sound Power Levels (H / M / L)		dB(A)	62 / 61 / 60	63 / 60 / 59
Power Supply		Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
			1, 220, 60	1, 220, 60
Refrigerant Control			EEV	EEV
Transmission cable		mm²	1.0~1.5 x 2C	1.0~1.5 x 2C

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4. Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

2. Specifications

Type			Ceiling Concealed Duct - Middle Static
Model		Unit	ARNU54GM3A4
Cooling Capacity		kW	15.8
		kcal/h	13,600
		Btu/h	54,000
Heating Capacity		kW	18.0
		kcal/h	15,500
		Btu/h	61,400
Power Input	Nominal	W	260
	Rated	W	400
Casing			Galvanized Steel Plate
Dimensions (WxHxD)	Body	mm	1,250 × 360 × 700
		inch	49-7/32 x 14-3/16 x 27-9/16
Coil	Rows x Columns x FPI		3 x 16 x 18
	Face Area	m²	0.36
Fan	Type		Sirocco Fan
	Motor Output x Number	W	350 x 1
	Running Current	A	2.5
	Air Flow Rate (H / M / L) (High static Mode-factory set)	m³/min	50.0 / 45.0 / 40.0
		ft³/min	1766 / 1589 / 1413
	External Static Pressure	mmAq(Pa)	6(59)
	Air Flow Rate (H / M / L) (Standard Mode)	m³/min	50.0 / 45.0 / 40.0
		ft³/min	1766 / 1589 / 1413
	External Static Pressure	mmAq(Pa)	5(49)
	Drive	Direct	
Motor type	BLDC		
Temperature Control			Microprocessor, Thermostat for cooling and heating
Sound Absorbing Thermal Insulation Material			Foamed polystyrene
Air Filter			-
Safety Device			Fuse
Pipe Connections	Liquid Side	mm(inch)	Ø9.52(3/8)
	Gas Side	mm(inch)	Ø19.05(3/4)
	Drain Pipe(Internal Dia.)	mm(inch)	25(1)
Net Weight	Body	kg(lbs)	44(97)
Sound Pressure Levels (H / M / L)		dB(A)	42 / 40 / 39
Sound Power Levels (H / M / L)		dB(A)	65 / 64 / 62
Power Supply		Ø, V, Hz	1, 220-240, 50
			1, 220, 60
Refrigerant Control			EEV
Transmission cable		mm²	1.0~1.5 x 2C

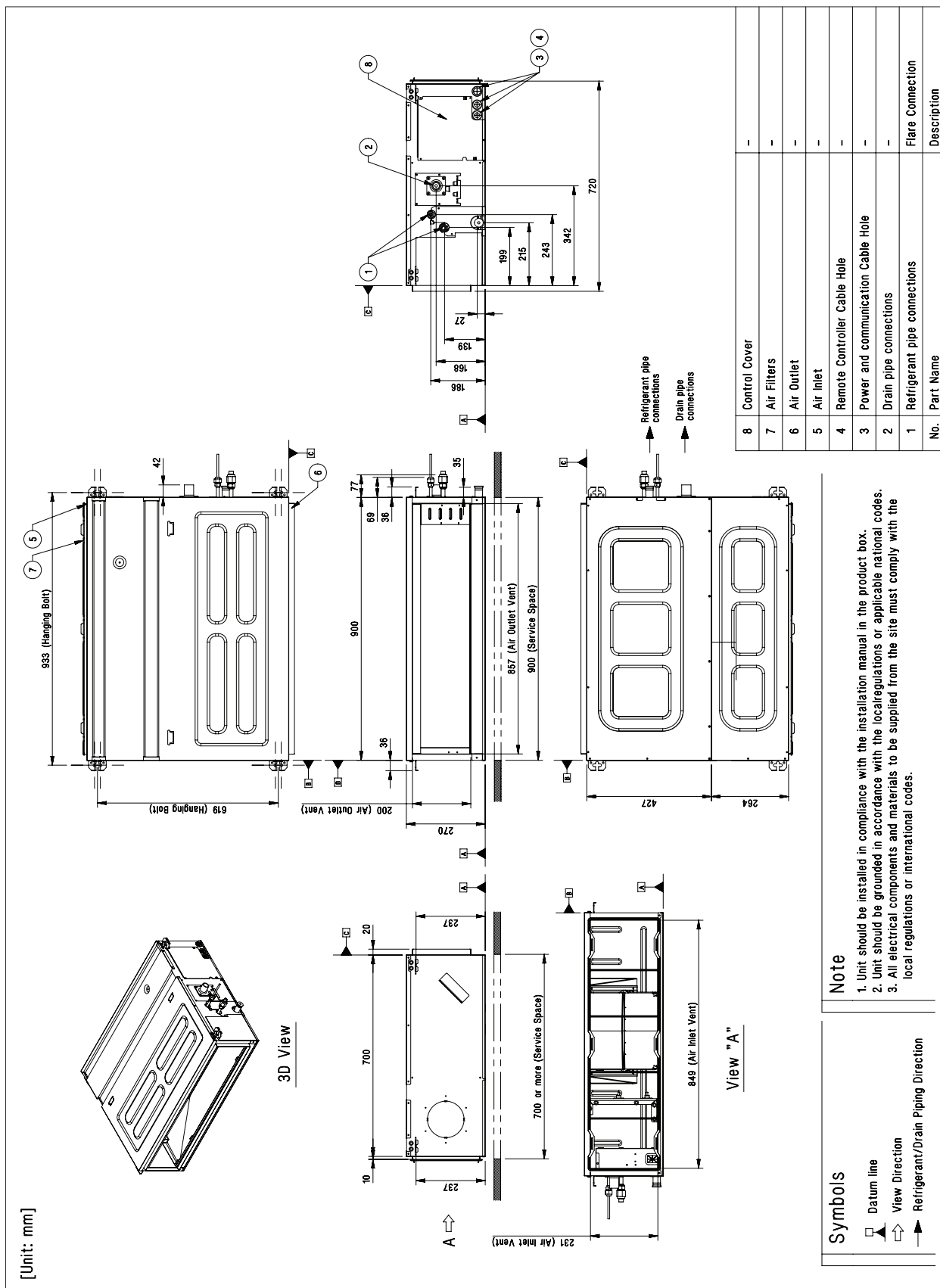
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3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.
Therefore, these values can be increased owing to ambient conditions during operation.
4. Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.
 - Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
 - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is Zero.

3. Dimensions & Gravity point

ARNU07GM1A4 / ARNU09GM1A4 / ARNU12GM1A4

ARNU15GM1A4 / ARNU18GM1A4 / ARNU24GM1A4

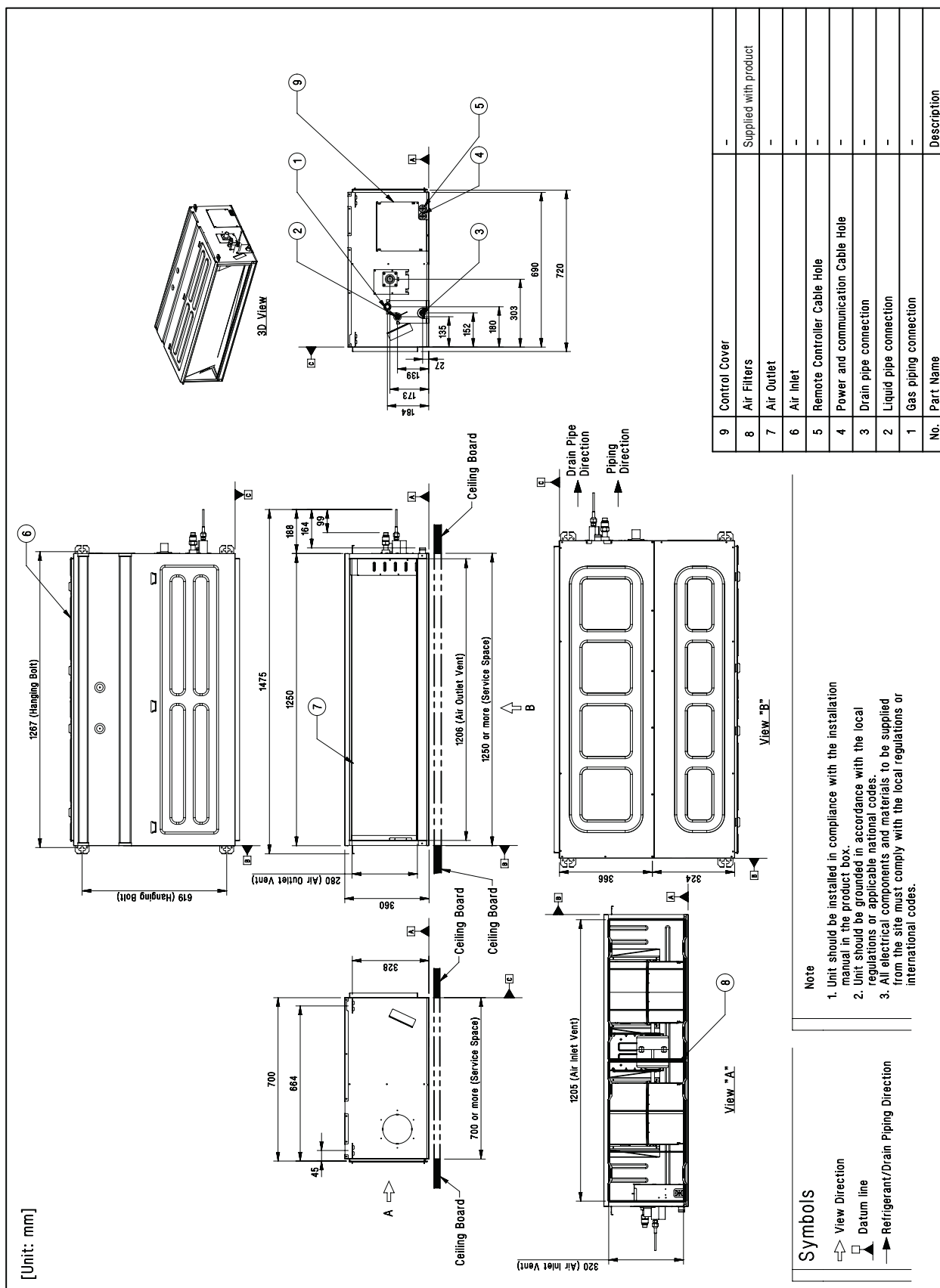


ARNU28GM2A4 / ARNU36GM2A4 / ARNU42GM2A4

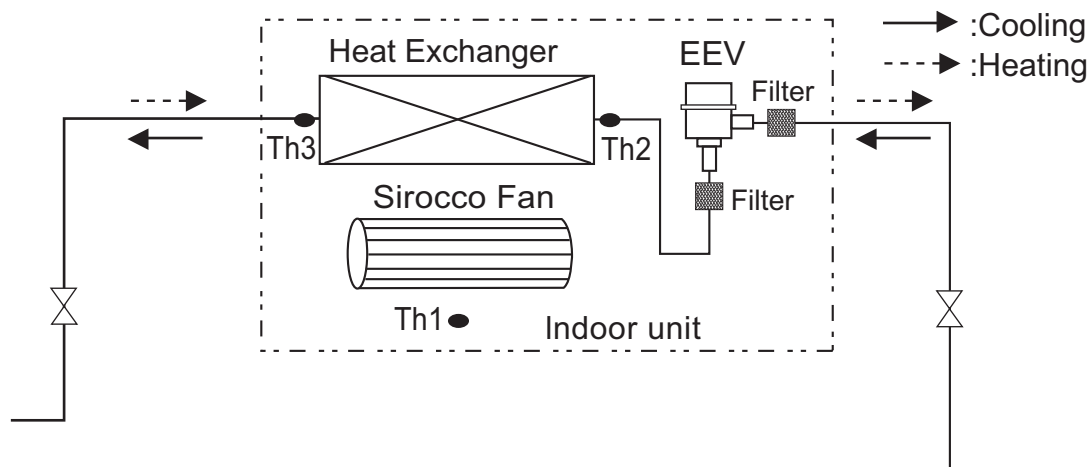
9	Control Cover	-
8	Air Filters	Supplied with product
7	Air Outlet	-
6	Air Inlet	-
5	Remote Controller Cable Hole	-
4	Power and communication Cable Hole	-
3	Drain pipe connection	-
2	Liquid pipe connection	-
1	Gas piping connection	-
No.	Part Name	Description

3. Dimensions & Gravity point

ARNU48GM3A4 / ARNU54GM3A4



4. Piping Diagrams



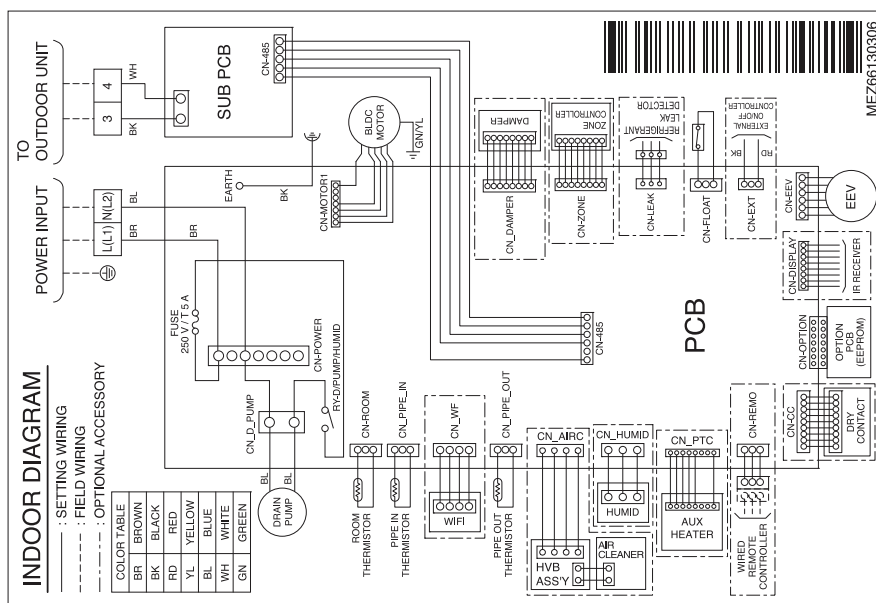
◆ Refrigerant pipe connection port diameter

Model	Gas [mm(inch)]	Liquid [mm(inch)]
ARNU07GM1A4	Ø12.7(1/2)	Ø6.35(1/4)
ARNU09GM1A4	Ø12.7(1/2)	Ø6.35(1/4)
ARNU12GM1A4	Ø12.7(1/2)	Ø6.35(1/4)
ARNU15GM1A4	Ø12.7(1/2)	Ø6.35(1/4)
ARNU18GM1A4	Ø12.7(1/2)	Ø6.35(1/4)
ARNU24GM1A4	Ø15.88(5/8)	Ø9.52(3/8)
ARNU28GM2A4	Ø15.88(5/8)	Ø9.52(3/8)
ARNU36GM2A4	Ø15.88(5/8)	Ø9.52(3/8)
ARNU42GM2A4	Ø15.88(5/8)	Ø9.52(3/8)
ARNU48GM3A4	Ø15.88(5/8)	Ø9.52(3/8)
ARNU54GM3A4	Ø19.05(3/4)	Ø9.52(3/8)

LOC.	Description	PCB Connector (Color)
Th1	Thermistor for room air temperature	CN-ROOM (Yellow)
Th2	Thermistor for pipe in temperature	CN-PIPE_IN (White)
Th3	Thermistor for pipe out temperature	CN-PIPE_OUT (Red)

5. Wiring Diagrams

■ M1 Chassis



CONNECTOR NUMBER	LOCATION POINT	FUNCTION
CN-POWER	AC Power supply	AC Power line input for indoor controller
CN-MOTOR1	Fan motor output	Motor output of BLDC
CN-MOTOR2	Fan motor output	Motor output of BLDC
CN-D_PUMP	Drain pump output	AC output for drain pump
CN-COM	Communication	Connection between indoor and outdoor
CN-EEV	EEV Output	EEV Control output
CN-FLOAT	Float switch input	Float switch sensing
CN-PIPE_IN	Suction pipe sensor	Pipe in thermistor
CN-PIPE_OUT	Discharge pipe sensor	Pipe out thermistor
CN-ROOM	Room sensor	Room air thermistor
CN-REMO	Remote controller	Remote control line
CN-ZONE	Zontroller	Zone control line
CN-DISPLAY	RF Remote controller	RF Remote control line
CN-CC	Dry contact	Dry contact line
CN-EXT	External On/Off	External On/Off signal input

	Function	Description	Setting Off	Setting On	Default
SW1	Communication	N/A (Default)	-	-	Off
SW2	Cycle	N/A (Default)	-	-	Off
SW3	Group Control	Selection of Master or Slave	Master	Slave	Off
SW4	Dry Contact Mode	Selection of Dry Contact Mode	Wired/Wireless remote controller selection of Manual or Auto operation Mode	Auto	Off
SW5	Installation	Fan continuous operation	Continuous operation Removal	-	Off
SW6	Heater linkage	N/A	-	-	Off
SW7	Ventilator linkage	Selection of Ventilator linkage	Linkage Removal	Working	Off
	Vane selection (Console)	Selection of up/down side Vane	Up side + Down side Vane	Up side Vane Only	
	Region selection	Selection tropical region	General model	Tropical model	
SW8	Etc.	Spare	-	-	Off

⚠ CAUTION

For Multi V Models, DIP switch 1, 2, 6, 8 must be set OFF.

6. Capacity Tables

6.1 Cooling Capacity

Capacity Index	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
2.2	10	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.9	1.8
	12	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.9	1.8
	14	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.8	1.8
	16	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.8	1.7
	18	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.7	1.7
	20	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.7	1.7
	21	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.7	1.7
	23	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.6	1.7
	25	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.6	1.8	2.6	1.6
	27	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.5	1.8	2.6	1.6
	29	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.5	1.7	2.5	1.6
	31	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.5	1.7	2.5	1.6
	33	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.4	1.7	2.4	1.5
	35	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.4	1.8	2.4	1.7	2.4	1.5
2.8	37	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.3	1.7	2.3	1.6	2.4	1.5
	39	1.5	1.4	1.8	1.5	2.0	1.7	2.2	1.7	2.2	1.7	2.3	1.6	2.4	1.5
	10	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.7	2.3
	12	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.6	2.3
	14	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.6	2.3
	16	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.5	2.2
	18	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.5	2.2
	20	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.4	2.2
	21	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.4	2.2
	23	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.4	2.4	3.4	2.2
	25	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.3	2.3	3.3	2.1
	27	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.2	2.3	3.3	2.1
	29	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.2	2.2	3.2	2.1
	31	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.2	2.2	3.2	2.0
3.6	33	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.1	2.2	3.1	2.0
	35	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	3.0	2.3	3.0	2.2	3.1	2.0
	37	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	2.9	2.2	3.0	2.1	3.0	1.9
	39	1.9	1.8	2.2	2.0	2.6	2.2	2.8	2.2	2.8	2.2	2.9	2.1	3.0	1.9
	10	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.7	3.0
	12	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.7	3.0
	14	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.6	2.9
	16	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.6	2.9
	18	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.5	2.9
	20	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.4	2.8
	21	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.4	2.8
	23	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.3	2.7
	25	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.3	3.0	4.3	2.7
	27	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.2	2.9	4.2	2.7
	29	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.1	2.9	4.2	2.6
4.5	31	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.1	2.8	4.1	2.6
	33	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	4.0	2.8	4.0	2.5
	35	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.9	2.9	3.9	2.7	4.0	2.5
	37	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.8	2.8	3.8	2.7	3.9	2.5
	39	2.4	2.3	2.9	2.5	3.3	2.7	3.6	2.8	3.7	2.7	3.8	2.6	3.9	2.4
	10	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.9	3.7
	12	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.8	3.7
	14	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.8	3.6
	16	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.7	3.6
	18	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.6	3.6
	20	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.5	3.5
	21	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.5	3.5
	23	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.4	3.8	5.4	3.4
	25	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.3	3.7	5.3	3.4
	27	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.2	3.6	5.3	3.4
	29	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.1	3.6	5.2	3.3
	31	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	5.1	3.5	5.1	3.2
	33	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	4.9	3.5	5.0	3.2
	35	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.8	3.6	4.9	3.4	4.9	3.2
	37	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.7	3.5	4.8	3.4	4.9	3.1
	39	3.0	2.9	3.6	3.2	4.2	3.4	4.5	3.5	4.6	3.4	4.7	3.3	4.8	3.0

6. Capacity Tables

Capacity Index	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
5.6	10	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.4	4.4
	12	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.3	4.3
	14	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.2	4.3
	16	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.1	4.2
	18	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.0	4.1
	20	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.9	4.1
	21	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.8	4.1
	23	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.7	4.0
	25	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.6	4.3	6.6	3.9
	27	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.6	3.9
	29	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.5	3.8
	31	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.3	4.1	6.4	3.8
	33	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.2	4.0	6.3	3.7
	35	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	6.0	4.2	6.0	4.0	6.2	3.6
	37	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	5.8	4.1	5.9	3.9	6.1	3.6
	39	3.8	3.4	4.5	3.7	5.2	4.0	5.6	4.1	5.7	4.0	5.8	3.8	6.0	3.5
7.1	10	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	9.3	5.5
	12	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	9.2	5.5
	14	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	9.1	5.4
	16	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	9.0	5.3
	18	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	8.8	5.2
	20	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	8.7	5.2
	21	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	8.7	5.1
	23	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.6	8.5	5.1
	25	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.4	5.5	8.4	5.0
	27	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.2	5.4	8.3	4.9
	29	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.1	5.3	8.2	4.8
	31	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	8.0	5.2	8.1	4.8
	33	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	7.8	5.1	7.9	4.7
	35	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.6	5.3	7.7	5.0	7.8	4.6
	37	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.4	5.2	7.5	4.9	7.7	4.6
	39	4.8	4.3	5.7	4.7	6.6	5.1	7.1	5.2	7.2	5.1	7.4	4.8	7.6	4.5
8.2	10	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.8	6.5
	12	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.6	6.4
	14	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.5	6.3
	16	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.4	6.2
	18	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.2	6.1
	20	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.1	6.0
	21	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	10.0	6.0
	23	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.8	6.5	9.9	5.9
	25	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.7	6.4	9.7	5.8
	27	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.4	6.3	9.6	5.8
	29	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.3	6.2	9.5	5.7
	31	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.2	6.1	9.3	5.6
	33	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	9.0	6.0	9.2	5.5
	35	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.7	6.2	8.9	5.9	9.0	5.4
	37	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.5	6.1	8.7	5.8	8.9	5.3
	39	5.5	5.0	6.6	5.5	7.7	6.0	8.2	6.1	8.4	6.0	8.5	5.7	8.8	5.3
10.6	10	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.9	8.4
	12	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.7	8.2
	14	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.6	8.2
	16	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.4	8.0
	18	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.2	7.9
	20	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	13.0	7.8
	21	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	12.9	7.8
	23	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.7	8.4	12.8	7.7
	25	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.5	8.3	12.6	7.5
	27	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.2	8.1	12.4	7.5
	29	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	12.1	8.0	12.2	7.3
	31	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	11.9	7.9	12.0	7.2
	33	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	11.7	7.8	11.8	7.1
	35	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.3	8.1	11.4	7.6	11.7	7.0
	37	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	11.0	7.9	11.2	7.5	11.5	6.9
	39	7.2	6.4	8.5	7.1	9.9	7.7	10.6	7.8	10.8	7.7	11.0	7.3	11.3	6.8

6. Capacity Tables

Capacity Index	Outdoor air temp. (DB, °C)	Indoor air temp. (DB/WB, °C)													
		20		23		26		27		28		30		32	
		14		16		18		19		20		22		24	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
12.3	10	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	16.2	9.7
	12	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.9	9.6
	14	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.8	9.5
	16	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.6	9.3
	18	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.3	9.2
	20	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.1	9.1
	21	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	15.0	9.0
	23	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.7	9.8	14.8	8.9
	25	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.5	9.7	14.6	8.8
	27	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.1	9.4	14.4	8.6
	29	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	14.0	9.3	14.2	8.5
	31	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	13.8	9.2	14.0	8.4
	33	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	13.5	9.0	13.7	8.3
	35	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	13.1	9.4	13.3	8.8	13.5	8.1
	37	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	12.8	9.2	13.0	8.7	13.4	8.0
	39	8.3	7.5	9.9	8.3	11.5	9.0	12.3	9.1	12.5	9.0	12.8	8.5	13.1	7.9
14.1	10	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	18.5	11.3
	12	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	18.3	11.1
	14	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	18.1	11.0
	16	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	17.8	10.8
	18	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	17.6	10.7
	20	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	17.3	10.5
	21	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	17.2	10.5
	23	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.9	11.4	17.0	10.3
	25	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.6	11.2	16.7	10.2
	27	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.2	10.9	16.5	10.0
	29	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	16.1	10.8	16.3	9.9
	31	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	15.8	10.7	16.0	9.7
	33	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	15.5	10.5	15.8	9.6
	35	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	15.0	10.9	15.2	10.3	15.5	9.4
	37	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	14.7	10.6	14.9	10.1	15.3	9.3
	39	9.5	8.7	11.3	9.6	13.2	10.4	14.1	10.6	14.4	10.4	14.7	9.9	15.1	9.2
15.8	10	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	20.7	13.0
	12	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	20.5	13.0
	14	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	20.3	12.8
	16	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	20.0	12.6
	18	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	19.6	12.6
	20	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	19.4	12.3
	21	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	19.4	12.3
	23	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.9	13.3	18.9	12.1
	25	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.7	13.0	18.7	11.8
	27	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.2	12.8	18.5	11.8
	29	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	18.0	12.6	18.2	11.6
	31	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	17.8	12.3	18.0	11.4
	33	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	17.4	12.3	17.6	11.1
	35	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.9	12.8	17.1	12.1	17.4	11.1
	37	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.5	12.3	16.7	11.8	17.1	10.9
	39	10.7	10.1	12.7	11.1	14.7	12.1	15.8	12.3	16.0	12.1	16.5	11.6	16.9	10.6

Note

1. TC: Total Capacity(kW), SHC: Sensible Heat Capacity(kW)
2. Capacity tables show the average value of conditions which may occur.
3. Refer to Capacity Correction Factor in the outdoor unit PDB for the actual performance data of each indoor unit and outdoor unit combination.

6. Capacity Tables

6.2 Heating Capacity

Capacity Index	Outdoor air temp.		Indoor air temp. (DB, °C)					
	DB(°C)	WB(°C)	16	18	20	21	22	24
			TC kW	TC kW	TC kW	TC kW	TC kW	TC kW
2.2	-24.8	-25.0	1.4	1.4	1.4	1.4	1.4	1.4
	-21.8	-22.0	1.7	1.7	1.7	1.7	1.7	1.7
	-19.8	-20.0	1.8	1.8	1.8	1.8	1.8	1.8
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.0	2.0	2.0	2.0	2.0	2.0
	-14.7	-15.0	2.1	2.1	2.1	2.1	2.1	2.0
	-12.6	-13.0	2.2	2.2	2.2	2.2	2.1	2.1
	-10.5	-11.0	2.3	2.3	2.2	2.2	2.2	2.2
	-9.5	-10.0	2.3	2.3	2.3	2.3	2.3	2.2
	-8.5	-9.1	2.3	2.3	2.3	2.3	2.3	2.2
	-7.0	-7.6	2.4	2.4	2.4	2.4	2.3	2.2
	-5.0	-5.6	2.5	2.5	2.5	2.4	2.3	2.2
	-3.0	-3.7	2.6	2.6	2.5	2.4	2.3	2.2
	0.0	-0.7	2.7	2.6	2.5	2.4	2.3	2.2
	3.0	2.2	2.7	2.7	2.5	2.4	2.3	2.2
	5.0	4.1	2.8	2.7	2.5	2.4	2.3	2.2
	7.0	6.0	2.8	2.7	2.5	2.4	2.3	2.2
	9.0	7.9	2.8	2.7	2.5	2.4	2.3	2.2
2.8	-24.8	-25.0	1.9	1.9	1.8	1.8	1.8	1.8
	-21.8	-22.0	2.2	2.2	2.2	2.2	2.2	2.2
	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
	-16.7	-17.0	2.5	2.5	2.5	2.5	2.5	2.5
	-14.7	-15.0	2.7	2.7	2.6	2.6	2.6	2.6
	-12.6	-13.0	2.8	2.8	2.8	2.8	2.7	2.7
	-10.5	-11.0	2.9	2.9	2.9	2.9	2.9	2.8
	-9.5	-10.0	3.0	3.0	2.9	2.9	2.9	2.8
	-8.5	-9.1	3.0	3.0	3.0	3.0	3.0	2.8
	-7.0	-7.6	3.1	3.1	3.1	3.1	3.0	2.8
	-5.0	-5.6	3.2	3.2	3.2	3.1	3.0	2.8
	-3.0	-3.7	3.4	3.3	3.2	3.1	3.0	2.8
	0.0	-0.7	3.4	3.3	3.2	3.1	3.0	2.8
	3.0	2.2	3.5	3.4	3.2	3.1	3.0	2.8
	5.0	4.1	3.6	3.4	3.2	3.1	3.0	2.8
	7.0	6.0	3.6	3.4	3.2	3.1	3.0	2.8
	9.0	7.9	3.6	3.4	3.2	3.1	3.0	2.8
3.6	-24.8	-25.0	2.3	2.3	2.3	2.3	2.3	2.3
	-21.8	-22.0	2.8	2.8	2.8	2.8	2.8	2.8
	-19.8	-20.0	2.9	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.1	3.1	3.1	3.1	3.1	3.1
	-14.7	-15.0	3.3	3.3	3.3	3.3	3.3	3.3
	-12.6	-13.0	3.5	3.4	3.4	3.4	3.4	3.4
	-10.5	-11.0	3.6	3.6	3.6	3.6	3.6	3.5
	-9.5	-10.0	3.7	3.7	3.7	3.7	3.7	3.5
	-8.5	-9.1	3.8	3.8	3.7	3.7	3.7	3.5
	-7.0	-7.6	3.9	3.9	3.9	3.8	3.7	3.5
	-5.0	-5.6	4.0	4.0	4.0	3.9	3.7	3.5
	-3.0	-3.7	4.2	4.1	4.0	3.9	3.7	3.5
	0.0	-0.7	4.3	4.1	4.0	3.9	3.7	3.5
	3.0	2.2	4.4	4.3	4.0	3.9	3.7	3.5
	5.0	4.1	4.5	4.3	4.0	3.9	3.7	3.5
	7.0	6.0	4.5	4.3	4.0	3.9	3.7	3.5
	9.0	7.9	4.5	4.3	4.0	3.9	3.7	3.5
	11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
	13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
	15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5

6. Capacity Tables

Capacity Index	Outdoor air temp.		Indoor air temp. (DB, °C)					
			16	18	20	21	22	24
	DB(°C)	WB(°C)	TC	TC	TC	TC	TC	TC
			kW	kW	kW	kW	kW	kW
4.5	-24.8	-25.0	2.9	2.9	2.9	2.9	2.9	2.9
	-21.8	-22.0	3.5	3.5	3.5	3.5	3.5	3.5
	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.6
	-18.8	-19.0	3.8	3.7	3.7	3.7	3.7	3.7
	-16.7	-17.0	3.9	3.9	3.9	3.9	3.9	3.9
	-14.7	-15.0	4.1	4.1	4.1	4.1	4.1	4.1
	-12.6	-13.0	4.3	4.3	4.3	4.3	4.3	4.3
	-10.5	-11.0	4.5	4.5	4.5	4.5	4.5	4.4
	-9.5	-10.0	4.6	4.6	4.6	4.6	4.6	4.4
	-8.5	-9.1	4.7	4.7	4.7	4.7	4.7	4.4
	-7.0	-7.6	4.8	4.8	4.8	4.8	4.7	4.4
	-5.0	-5.6	5.0	5.0	5.0	4.8	4.7	4.4
	-3.0	-3.7	5.3	5.1	5.0	4.8	4.7	4.4
	0.0	-0.7	5.3	5.2	5.0	4.8	4.7	4.4
	3.0	2.2	5.5	5.3	5.0	4.8	4.7	4.4
	5.0	4.1	5.6	5.3	5.0	4.8	4.7	4.4
	7.0	6.0	5.6	5.3	5.0	4.8	4.7	4.4
	9.0	7.9	5.6	5.3	5.0	4.8	4.7	4.4
	11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
	13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
	15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
5.6	-24.8	-25.0	3.6	3.6	3.6	3.6	3.6	3.6
	-21.8	-22.0	4.4	4.4	4.4	4.4	4.4	4.4
	-19.8	-20.0	4.6	4.6	4.6	4.6	4.6	4.6
	-18.8	-19.0	4.8	4.7	4.7	4.7	4.7	4.7
	-16.7	-17.0	5.0	5.0	5.0	4.9	4.9	4.9
	-14.7	-15.0	5.2	5.2	5.2	5.2	5.2	5.2
	-12.6	-13.0	5.5	5.4	5.4	5.4	5.4	5.4
	-10.5	-11.0	5.7	5.7	5.7	5.7	5.7	5.5
	-9.5	-10.0	5.8	5.8	5.8	5.8	5.8	5.5
	-8.5	-9.1	5.9	5.9	5.9	5.9	5.9	5.5
	-7.0	-7.6	6.1	6.1	6.1	6.0	5.9	5.5
	-5.0	-5.6	6.3	6.3	6.3	6.1	5.9	5.5
	-3.0	-3.7	6.6	6.5	6.3	6.1	5.9	5.5
	0.0	-0.7	6.7	6.5	6.3	6.1	5.9	5.5
	3.0	2.2	6.9	6.7	6.3	6.1	5.9	5.5
	5.0	4.1	7.0	6.7	6.3	6.1	5.9	5.5
	7.0	6.0	7.1	6.7	6.3	6.1	5.9	5.5
	9.0	7.9	7.1	6.7	6.3	6.1	5.9	5.5
	11.0	9.8	7.1	6.7	6.3	6.1	5.9	5.5
	13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
	15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
7.1	-24.8	-25.0	4.6	4.6	4.6	4.6	4.6	4.6
	-21.8	-22.0	5.6	5.6	5.6	5.6	5.6	5.5
	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
	-18.8	-19.0	6.0	6.0	6.0	6.0	6.0	6.0
	-16.7	-17.0	6.3	6.3	6.3	6.3	6.3	6.3
	-14.7	-15.0	6.6	6.6	6.6	6.6	6.6	6.6
	-12.6	-13.0	6.9	6.9	6.9	6.9	6.9	6.9
	-10.5	-11.0	7.2	7.2	7.2	7.2	7.2	7.0
	-9.5	-10.0	7.4	7.4	7.3	7.3	7.3	7.0
	-8.5	-9.1	7.5	7.5	7.5	7.5	7.5	7.0
	-7.0	-7.6	7.7	7.7	7.7	7.7	7.5	7.0
	-5.0	-5.6	8.0	8.0	8.0	7.7	7.5	7.0
	-3.0	-3.7	8.4	8.2	8.0	7.7	7.5	7.0
	0.0	-0.7	8.6	8.3	8.0	7.7	7.5	7.0
	3.0	2.2	8.8	8.5	8.0	7.7	7.5	7.0
	5.0	4.1	8.9	8.5	8.0	7.7	7.5	7.0
	7.0	6.0	9.0	8.5	8.0	7.7	7.5	7.0
	9.0	7.9	9.0	8.5	8.0	7.7	7.5	7.0
	11.0	9.8	9.0	8.5	8.0	7.7	7.5	7.0
	13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
	15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0

6. Capacity Tables

Capacity Index	Outdoor air temp.		Indoor air temp. (DB, °C)					
			16	18	20	21	22	24
	DB(°C)	WB(°C)	TC kW	TC kW	TC kW	TC kW	TC kW	TC kW
8.2	-24.8	-25.0	5.3	5.3	5.3	5.3	5.3	5.3
	-21.8	-22.0	6.4	6.4	6.4	6.4	6.4	6.4
	-19.8	-20.0	6.8	6.8	6.7	6.7	6.7	6.7
	-18.8	-19.0	6.9	6.9	6.9	6.9	6.9	6.9
	-16.7	-17.0	7.2	6.9	7.2	7.2	7.2	7.2
	-14.7	-15.0	7.6	6.9	7.6	7.6	7.6	7.5
	-12.6	-13.0	8.0	6.9	7.9	7.9	7.9	7.9
	-10.5	-11.0	8.3	6.9	8.3	8.3	8.3	8.0
	-9.5	-10.0	8.5	6.9	8.4	8.4	8.4	8.0
	-8.5	-9.1	8.6	6.9	8.6	8.6	8.6	8.0
	-7.0	-7.6	8.9	6.9	8.9	8.8	8.6	8.0
	-5.0	-5.6	9.2	6.9	9.2	8.9	8.6	8.0
	-3.0	-3.7	9.7	6.9	9.2	8.9	8.6	8.0
	0.0	-0.7	9.8	6.9	9.2	8.9	8.6	8.0
	3.0	2.2	10.1	6.9	9.2	8.9	8.6	8.0
	5.0	4.1	10.3	6.9	9.2	8.9	8.6	8.0
	7.0	6.0	10.4	6.9	9.2	8.9	8.6	8.0
	9.0	7.9	10.4	6.9	9.2	8.9	8.6	8.0
10.6	-24.8	-25.0	6.9	6.9	6.8	6.8	6.8	6.8
	-21.8	-22.0	8.3	8.3	8.3	8.3	8.3	8.2
	-19.8	-20.0	8.8	8.8	8.7	8.7	8.7	8.6
	-18.8	-19.0	9.0	8.9	8.9	8.9	8.9	8.9
	-16.7	-17.0	9.4	9.4	9.4	9.3	9.3	9.3
	-14.7	-15.0	9.9	9.9	9.8	9.8	9.8	9.8
	-12.6	-13.0	10.3	10.3	10.3	10.3	10.2	10.2
	-10.5	-11.0	10.8	10.8	10.7	10.7	10.7	10.4
	-9.5	-10.0	11.0	11.0	10.9	10.9	10.9	10.4
	-8.5	-9.1	11.2	11.2	11.1	11.1	11.1	10.4
	-7.0	-7.6	11.5	11.5	11.5	11.4	11.1	10.4
	-5.0	-5.6	12.0	11.9	11.9	11.5	11.1	10.4
	-3.0	-3.7	12.5	12.2	11.9	11.5	11.1	10.4
	0.0	-0.7	12.7	12.3	11.9	11.5	11.1	10.4
	3.0	2.2	13.1	12.7	11.9	11.5	11.1	10.4
	5.0	4.1	13.3	12.7	11.9	11.5	11.1	10.4
	7.0	6.0	13.4	12.7	11.9	11.5	11.1	10.4
	9.0	7.9	13.4	12.7	11.9	11.5	11.1	10.4
12.3	-24.8	-25.0	8.0	8.0	7.9	7.9	7.9	7.9
	-21.8	-22.0	9.7	9.7	9.6	9.6	9.6	9.5
	-19.8	-20.0	10.2	10.2	10.1	10.1	10.1	10.0
	-18.8	-19.0	10.4	10.3	10.3	10.3	10.3	10.3
	-16.7	-17.0	10.9	10.9	10.9	10.8	10.8	10.8
	-14.7	-15.0	11.4	11.4	11.4	11.4	11.4	11.3
	-12.6	-13.0	12.0	11.9	11.9	11.9	11.8	11.8
	-10.5	-11.0	12.5	12.5	12.4	12.4	12.4	12.0
	-9.5	-10.0	12.7	12.7	12.7	12.7	12.7	12.0
	-8.5	-9.1	13.0	13.0	12.9	12.9	12.9	12.0
	-7.0	-7.6	13.3	13.3	13.3	13.2	12.9	12.0
	-5.0	-5.6	13.9	13.8	13.8	13.4	12.9	12.0
	-3.0	-3.7	14.5	14.2	13.8	13.4	12.9	12.0
	0.0	-0.7	14.8	14.3	13.8	13.4	12.9	12.0
	3.0	2.2	15.2	14.7	13.8	13.4	12.9	12.0
	5.0	4.1	15.4	14.7	13.8	13.4	12.9	12.0
	7.0	6.0	15.6	14.7	13.8	13.4	12.9	12.0
	9.0	7.9	15.6	14.7	13.8	13.4	12.9	12.0
	11.0	9.8	15.6	14.7	13.8	13.4	12.9	12.0
	13.0	11.8	15.6	14.7	13.8	13.4	12.9	12.0
	15.0	13.7	15.6	14.7	13.8	13.4	12.9	12.0

6. Capacity Tables

Capacity Index	Outdoor air temp.		Indoor air temp. (DB, °C)					
			16	18	20	21	22	24
	DB(°C)	WB(°C)	TC	TC	TC	TC	TC	TC
			kW	kW	kW	kW	kW	kW
14.1	-24.8	-25.0	9.2	9.2	9.1	9.1	9.1	9.1
	-21.8	-22.0	11.1	11.1	11.1	11.1	11.1	11.0
	-19.8	-20.0	11.7	11.7	11.6	11.6	11.6	11.6
	-18.8	-19.0	12.0	11.9	11.9	11.9	11.9	11.9
	-16.7	-17.0	12.5	12.5	12.5	12.4	12.4	12.4
	-14.7	-15.0	13.2	13.2	13.1	13.1	13.1	13.0
	-12.6	-13.0	13.8	13.7	13.7	13.7	13.6	13.6
	-10.5	-11.0	14.4	14.4	14.3	14.3	14.3	13.9
	-9.5	-10.0	14.7	14.7	14.6	14.6	14.6	13.9
	-8.5	-9.1	14.9	14.9	14.9	14.9	14.9	13.9
	-7.0	-7.6	15.4	15.3	15.3	15.2	14.9	13.9
	-5.0	-5.6	16.0	15.9	15.9	15.4	14.9	13.9
	-3.0	-3.7	16.7	16.3	15.9	15.4	14.9	13.9
	0.0	-0.7	17.0	16.5	15.9	15.4	14.9	13.9
	3.0	2.2	17.5	16.9	15.9	15.4	14.9	13.9
	5.0	4.1	17.7	16.9	15.9	15.4	14.9	13.9
	7.0	6.0	17.9	16.9	15.9	15.4	14.9	13.9
	9.0	7.9	17.9	16.9	15.9	15.4	14.9	13.9
	11.0	9.8	17.9	16.9	15.9	15.4	14.9	13.9
	13.0	11.8	17.9	16.9	15.9	15.4	14.9	13.9
	15.0	13.7	17.9	16.9	15.9	15.4	14.9	13.9
15.8	-24.8	-25.0	10.4	10.4	10.4	10.4	10.4	10.3
	-21.8	-22.0	12.6	12.6	12.5	12.5	12.5	12.4
	-19.8	-20.0	13.2	13.2	13.2	13.2	13.2	13.1
	-18.8	-19.0	13.6	13.5	13.5	13.5	13.4	13.4
	-16.7	-17.0	14.2	14.2	14.2	14.1	14.1	14.1
	-14.7	-15.0	14.9	14.9	14.8	14.8	14.8	14.8
	-12.6	-13.0	15.6	15.5	15.5	15.5	15.4	15.4
	-10.5	-11.0	16.3	16.3	16.2	16.2	16.2	15.7
	-9.5	-10.0	16.6	16.6	16.5	16.5	16.5	15.7
	-8.5	-9.1	16.9	16.9	16.8	16.8	16.8	15.7
	-7.0	-7.6	17.4	17.3	17.3	17.3	16.8	15.7
	-5.0	-5.6	18.1	18.0	18.0	17.4	16.8	15.7
	-3.0	-3.7	18.9	18.5	18.0	17.4	16.8	15.7
	0.0	-0.7	19.3	18.6	18.0	17.4	16.8	15.7
	3.0	2.2	19.8	19.2	18.0	17.4	16.8	15.7
	5.0	4.1	20.1	19.2	18.0	17.4	16.8	15.7
	7.0	6.0	20.3	19.2	18.0	17.4	16.8	15.7
	9.0	7.9	20.3	19.2	18.0	17.4	16.8	15.7
	11.0	9.8	20.3	19.2	18.0	17.4	16.8	15.7
	13.0	11.8	20.3	19.2	18.0	17.4	16.8	15.7
	15.0	13.7	20.3	19.2	18.0	17.4	16.8	15.7

Note

1. TC: Total Capacity(kW), SHC: Sensible Heat Capacity(kW)
2. Capacity tables show the average value of conditions which may occur.
3. Gray colored range is shown as reference. When selecting the outdoor units, avoid the outdoor air temperature range shown by gray color.
4. In accordance with operation limits of outdoor unit, applicable range of capacity tables is different.
5. Refer to Capacity Correction Factor in the outdoor unit PDB for the actual performance data of each indoor unit and outdoor unit combination.

7. External Static Pressure(E.S.P) & Air Flow

■ Table 1 : Air Flow Rate vs External Static Pressure

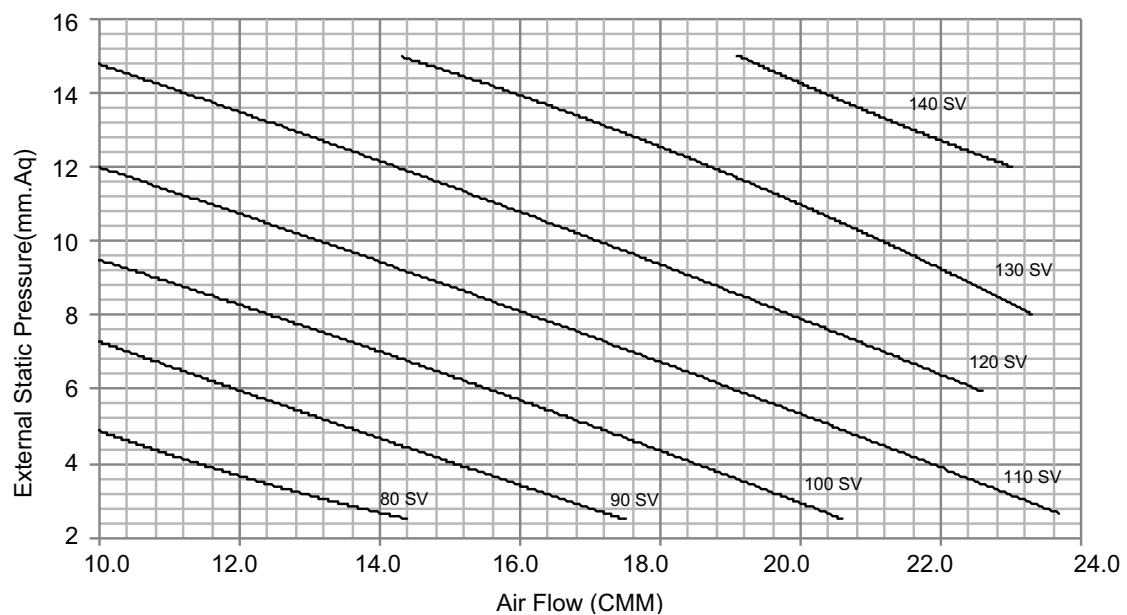
◆ ARNU07GM1A4, ARNU09GM1A4, ARNU12GM1A4, ARNU15GM1A4, ARNU18GM1A4

Setting value	Static Pressure (mmAq(Pa))							
	2.5(25)	4(39)	6(59)	8(78)	10(98)	12(118)	14(137)	15(147)
	Air Flow Rate [m³/min]							
60	6.3	-	-	-	-	-	-	-
65	8.5	-	-	-	-	-	-	-
70	11.3	7.8	-	-	-	-	-	-
75	12.8	9.6	6.6	-	-	-	-	-
80	14.4	11.4	8.4	-	-	-	-	-
85	15.9	13.2	10.2	-	-	-	-	-
90	17.5	15.0	12.0	8.9	-	-	-	-
95	19.0	16.7	13.7	10.7	-	-	-	-
100	20.6	18.5	15.5	12.5	9.1	-	-	-
105	22.1	20.3	17.3	14.3	11.1	7.8	-	-
110	23.7	22.1	19.0	16.1	13.1	10.0	-	-
115	-	23.8	20.8	17.9	15.1	12.2	9.0	-
120	-	-	22.6	19.7	17.1	14.3	11.3	9.5
125	-	-	-	21.5	19.1	16.5	13.6	11.9
130	-	-	-	23.3	21.2	18.7	15.8	14.3
135	-	-	-	-	23.2	20.8	18.0	16.7
140	-	-	-	-	-	23.0	20.3	19.1
145	-	-	-	-	-	-	22.5	21.5
150	-	-	-	-	-	-	-	23.8

Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
3. The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

◆ Fan Performance (ARNU07/09/12/15/18GM1A4)



7. External Static Pressure(E.S.P) & Air Flow

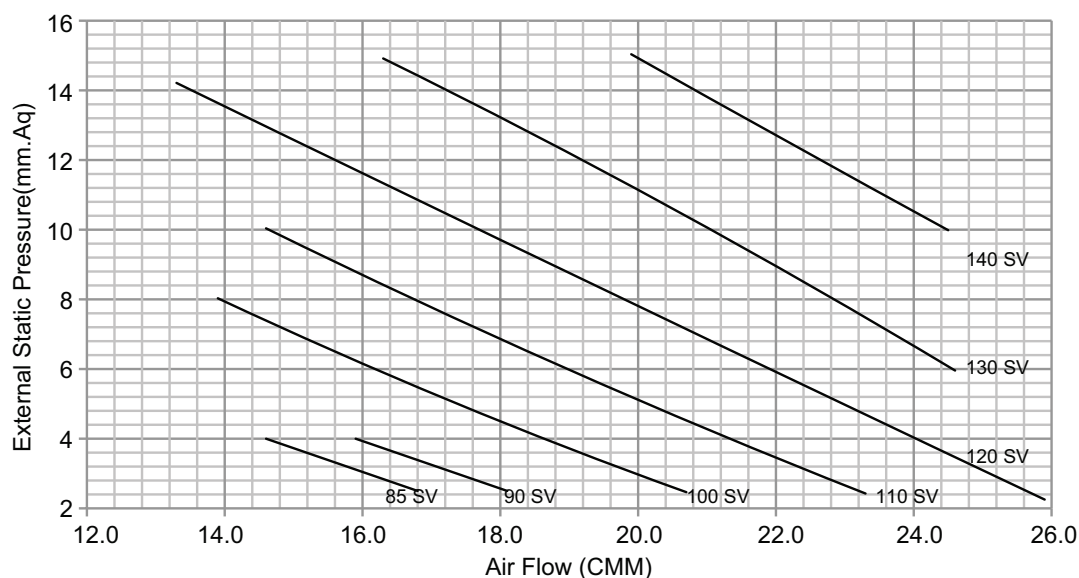
◆ ARNU24GM1A4

Setting value	Static Pressure (mmAq(Pa))							
	2.5(25)	4(39)	6(59)	8(78)	10(98)	12(118)	14(137)	15(147)
	Air Flow Rate [m³/min]							
85	16.8	14.6	-	-	-	-	-	-
90	18.1	15.9	-	-	-	-	-	-
95	19.4	17.2	15.0	-	-	-	-	-
100	20.7	18.5	16.3	13.9	-	-	-	-
105	22.0	19.8	17.7	15.3	13.0	-	-	-
110	23.3	21.1	19.1	16.8	14.6	-	-	-
115	24.6	22.4	20.5	18.3	16.3	14.2	-	-
120	25.9	23.7	21.8	19.7	17.9	15.9	13.3	-
125	-	25.1	23.2	21.2	19.6	17.5	15.2	14.6
130	-	-	24.6	22.7	21.2	19.2	17.1	16.3
135	-	-	-	24.2	22.9	20.9	19.0	18.1
140	-	-	-	-	24.5	22.6	20.9	19.9

Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
3. The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

◆ Fan Performance(ARNU24GM1A4)



7. External Static Pressure(E.S.P) & Air Flow

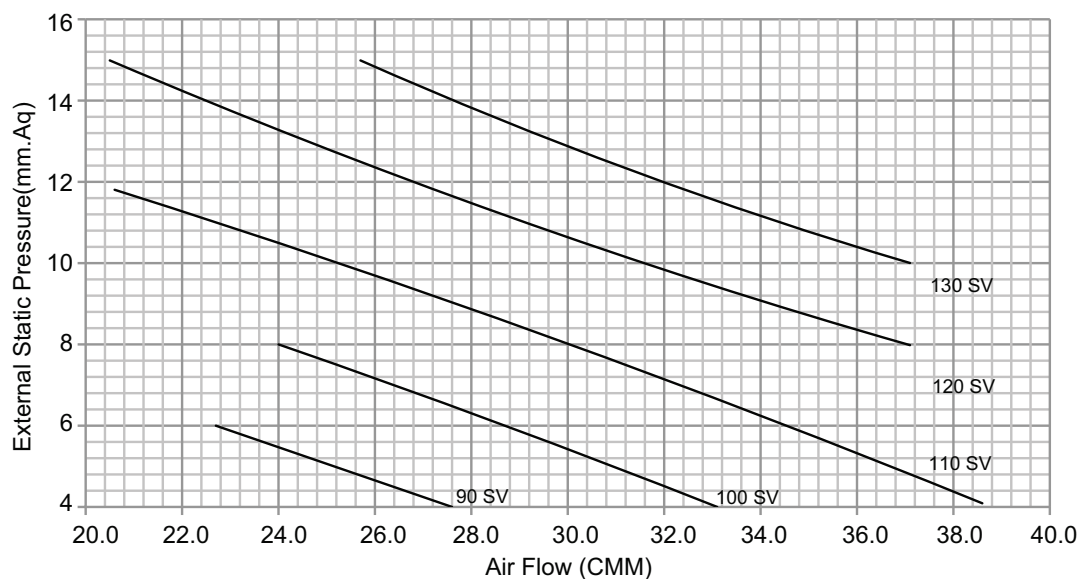
◆ ARNU28GM2A4, ARNU36GM2A4

Setting value	Static Pressure (mmAq(Pa))						
	4(39)	6(59)	8(78)	10(98)	12(118)	14(137)	15(147)
	Air Flow Rate [m³/min]						
85	24.9	-	-	-	-	-	-
90	27.6	22.7	-	-	-	-	-
95	30.4	25.7	20.7	-	-	-	-
100	33.1	28.7	24.0	-	-	-	-
105	35.9	31.7	27.3	20.8	-	-	-
110	38.6	34.7	30.5	24.3	20.6	-	-
115	-	37.8	33.8	27.9	23.8	-	-
120	-	-	37.1	31.4	27.0	22.4	20.5
125	-	-	-	35.0	30.1	25.7	23.7
130	-	-	-	37.1	32.0	27.6	25.7

Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
3. The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

◆ Fan Performance (ARNU28GM2A4, ARNU36GM2A4)



7. External Static Pressure(E.S.P) & Air Flow

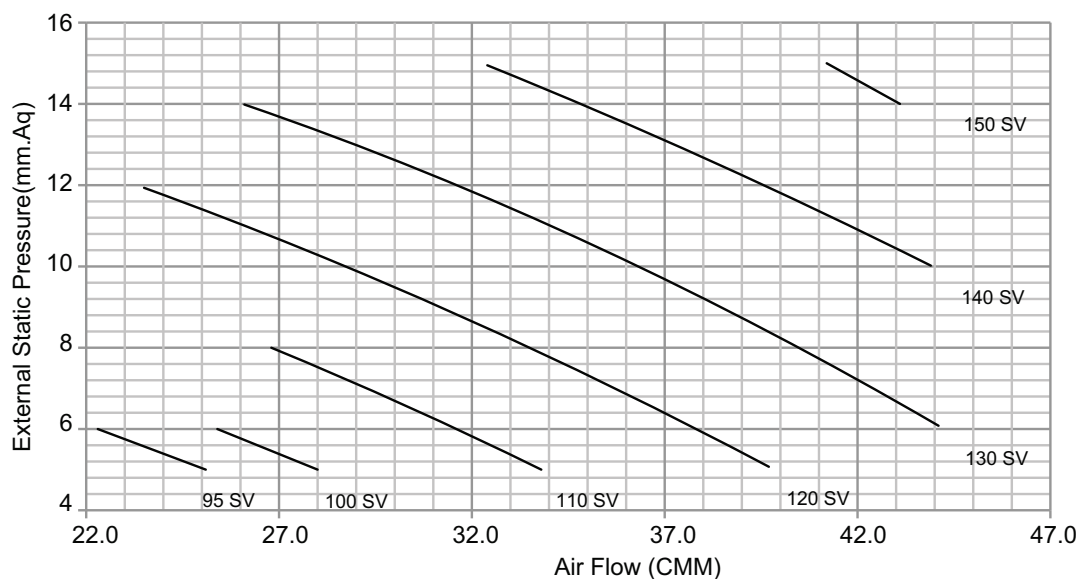
◆ ARNU42GM2A4

Setting value	Static Pressure (mmAq(Pa))						
	5(49)	6(59)	8(78)	10(98)	12(118)	14(137)	15(147)
	Air Flow Rate [m³/min]						
90	22.2	-	-	-	-	-	-
95	25.1	22.3	-	-	-	-	-
100	28.0	25.4	-	-	-	-	-
105	30.9	28.5	23.3	-	-	-	-
110	33.8	31.6	26.8	-	-	-	-
115	36.7	34.8	30.3	24.4	-	-	-
120	39.7	37.9	33.8	28.3	23.5	-	-
125	42.6	41.0	37.3	32.2	27.5	-	-
130	-	44.1	40.8	36.1	31.6	26.1	-
135	-	-	44.3	40.0	35.6	30.4	28.0
140	-	-	-	43.9	39.7	34.6	32.4
145	-	-	-	-	43.7	38.9	36.8
150	-	-	-	-	-	43.1	41.2
155	-	-	-	-	-	-	45.6

Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
3. The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

◆ Fan Performance (ARNU42GM2A4)



7. External Static Pressure(E.S.P) & Air Flow

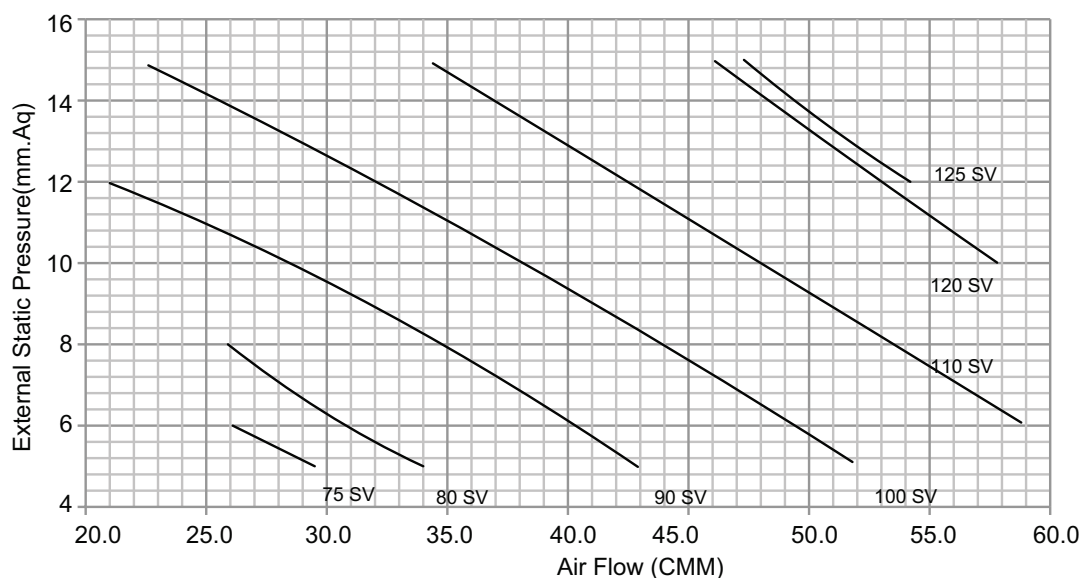
◆ ARNU48GM3A4, ARNU54GM3A4

Setting value	Static Pressure (mmAq(Pa))						
	5(49)	6(59)	8(78)	10(98)	12(118)	14(137)	15(147)
	Air Flow Rate [m³/min]						
70	25.1	-	-	-	-	-	-
75	29.5	26.1	-	-	-	-	-
80	34.0	30.8	25.9	-	-	-	-
85	38.4	35.4	30.6	32.2	-	-	-
90	42.9	40.1	35.2	28.1	21.0	-	-
95	47.3	44.8	39.9	33.1	26.3	19.5	-
100	51.8	49.4	44.6	38.0	31.7	25.2	22.6
105	56.2	54.1	49.2	43.0	37.1	31.0	28.5
110	-	58.8	53.9	47.9	42.4	36.7	34.4
115	-	-	58.6	52.9	47.8	42.5	40.3
120	-	-	-	57.8	53.1	48.2	46.1
125	-	-	-	-	54.2	49.4	47.3

Note

1. The above table shows the correlation between the air rates and E.S.P.
2. The set value of the remote controller is proportional to the RPM of the blower and can be changed by the wired remote controller operation. For more information on how to change it, refer to the manual included with the remote controller or product.
3. The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

◆ Fan Performance (ARNU48GM3A4, ARNU54GM3A4)



7. External Static Pressure(E.S.P) & Air Flow

■ Table 2 : Lower and Upper Limit of External Static Pressure

◆ ARNU07GM1A4, ARNU09GM1A4, ARNU12GM1A4, ARNU15GM1A4, ARNU18GM1A4, ARNU24GM1A4, ARNU28GM2A4, ARNU36GM2A4, ARNU42GM2A4, ARNU48GM3A4, ARNU54GM3A4

Capacity	Mode	Set value	Standard ESP (mmAq(Pa))	CMM	Lower Limit of External Static Pressure(mmAq(Pa))	Upper Limit of External Static Pressure(mmAq(Pa))
7k	High (factory set)	Hi	84	9.0	2(20)	15(147)
		Mid	79	7.5		
		Low	75	6.0		
	Standard	Hi	69	9.0	2(20)	15(147)
		Mid	65	7.5		
		Low	61	6.0		
9k	High (factory set)	Hi	85	9.5	2(20)	15(147)
		Mid	80	7.5		
		Low	76	6.0		
	Standard	Hi	70	9.5	2(20)	15(147)
		Mid	66	7.5		
		Low	62	6.0		
12k	High (factory set)	Hi	86	11.0	2(20)	15(147)
		Mid	82	9.0		
		Low	78	7.0		
	Standard	Hi	71	11.0	2(20)	15(147)
		Mid	67	9.0		
		Low	63	7.0		
15k	High (factory set)	Hi	98	16.0	2(20)	15(147)
		Mid	86	12.0		
		Low	82	9.0		
	Standard	Hi	86	16.0	2(20)	15(147)
		Mid	72	12.0		
		Low	67	9.0		
18k	High (factory set)	Hi	103	17.0	2(20)	15(147)
		Mid	97	14.5		
		Low	86	12.0		
	Standard	Hi	87	17.0	2(20)	15(147)
		Mid	78	14.5		
		Low	72	12.0		
24k	High (factory set)	Hi	108	19.0	2(20)	15(147)
		Mid	103	16.0		
		Low	97	14.0		
	Standard	Hi	92	19.0	2(20)	15(147)
		Mid	87	16.0		
		Low	77	14.0		
28k	High (factory set)	Hi	101	28.0	4(39)	15(147)
		Mid	95	24.0		
		Low	90	21.0		
	Standard	Hi	99	28.0	4(39)	15(147)
		Mid	94	24.0		
		Low	89	21.0		
36k	High (factory set)	Hi	109	32.0	4(39)	15(147)
		Mid	101	28.0		
		Low	95	24.0		
	Standard	Hi	105	32.0	4(39)	15(147)
		Mid	97	28.0		
		Low	91	24.0		

7. External Static Pressure(E.S.P) & Air Flow

Capacity	Mode		Set value	Standard ESP (mmAq(Pa))	CMM	Lower Limit of External Static Pressure(mmAq(Pa))	Upper Limit of External Static Pressure(mmAq(Pa))
42k	High (factory set)	Hi	120	6(59)	38.0	5(49)	15(147)
		Mid	111		33.0		
		Low	103		28.0		
	Standard	Hi	117	5(49)	38.0	5(49)	15(147)
		Mid	108		33.0		
		Low	100		28.0		
48k	High (factory set)	Hi	92	6(59)	40.0	4(39)	15(147)
		Mid	84		34.0		
		Low	79		28.0		
	Standard	Hi	89	5(49)	40.0	4(39)	15(147)
		Mid	82		34.0		
		Low	76		28.0		
54k	High (factory set)	Hi	100	6(59)	50.0	4(39)	15(147)
		Mid	96		45.0		
		Low	92		40.0		
	Standard	Hi	97	5(49)	50.0	4(39)	15(147)
		Mid	92		45.0		
		Low	88		40.0		

Note

- The above table shows the available E.S.P range. If the E.S.P values of the installed indoor system is less or more than mentioned in the table, indoor components could be failed and performance would be decreased.

8. Electric Characteristics

Units					Power Supply		IFM		PI	
Model	Type	Hz	Volts	Voltage Range	MCA	MFA	kW	FLA	Cooling	Heating
ARNU07GM1A4	M1	50	220-240	Max:264 Min:198	2.00	15	0.136	1.60	190	190
ARNU09GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU12GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU15GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU18GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU24GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU28GM2A4	M2				2.90	15	0.350	2.30	350	350
ARNU36GM2A4	M2				2.90	15	0.350	2.30	350	350
ARNU42GM2A4	M2				2.90	15	0.350	2.30	350	350
ARNU48GM3A4	M3				3.10	15	0.350	2.50	400	400
ARNU54GM3A4	M3				3.10	15	0.350	2.50	400	400
ARNU07GM1A4	M1	60	220	Max:242 Min:198	2.00	15	0.136	1.60	190	190
ARNU09GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU12GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU15GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU18GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU24GM1A4	M1				2.00	15	0.136	1.60	190	190
ARNU28GM2A4	M2				2.90	15	0.35	2.30	350	350
ARNU36GM2A4	M2				2.90	15	0.350	2.30	350	350
ARNU42GM2A4	M2				2.90	15	0.350	2.30	350	350
ARNU48GM3A4	M3				3.10	15	0.350	2.50	400	400
ARNU54GM3A4	M3				3.10	15	0.350	2.50	400	400

Symbols

MCA : Minimum Circuit Amperes (A)

MFA : Maximum Fuse Amperes (A)

kW : Fan Motor Rated Output (kW)

FLA : Full Load Amperes (A)

IFM : Indoor Fan Motor

Note

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above the listed range limits.

2. Maximum allowable voltage unbalance between phases is 2%.

3. MCA/MFA

$MCA = 1.25 \times FLA$

$MFA \leq 4 \times FLA$

(Next lower standard fuse rating. Minimum 15A)

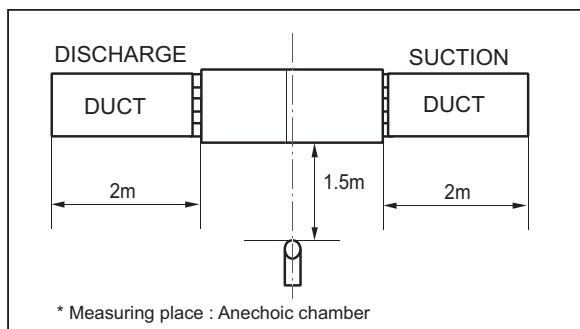
4. Select wire size based on the MCA

5. Instead of fuse, use Circuit Breaker.

9. Sound Levels

9.1 Sound Pressure Levels

Overall



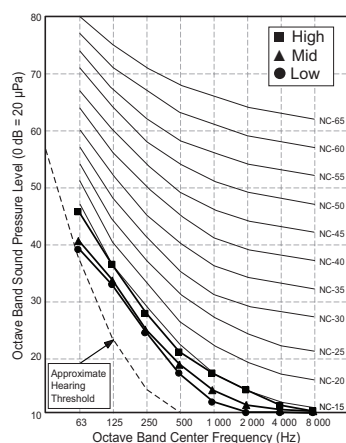
Note

1. Sound measured at some distance away from the center of the unit.
2. Data is valid at free field condition.
3. Reference acoustic pressure 0dB = 20μPa.
4. Data is valid at nominal operation condition.
Refer to the Model Specifications for nominal conditions (Power source and Ambient temperature, etc)
5. Sound levels can be increased in accordance with installation and operating conditions. (Static pressure mode, used air guide, Room target temperature setting, etc)
6. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.

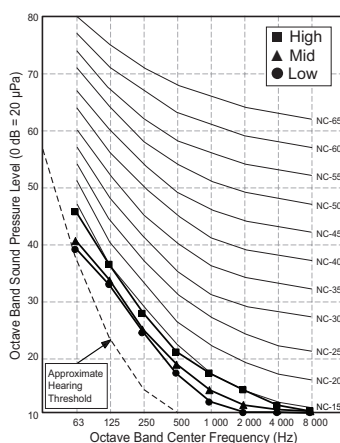
Model	Sound Pressure Levels (dB(A), H-M-L)			
	External Static Pressure (Pa)			
	20	25	59	147
ARNU07GM1A4	26-24-23	26-24-23	27-24-23	33-28-25
ARNU09GM1A4	27-25-23	27-25-23	27-25-23	33-29-26
ARNU12GM1A4	27-25-23	27-25-23	28-25-23	33-30-27
ARNU15GM1A4	30-27-23	30-27-23	30-27-24	37-33-30
ARNU18GM1A4	31-28-25	31-28-25	32-29-27	37-34-29
ARNU24GM1A4	32-29-26	32-29-26	33-30-28	38-35-32

Sound Pressure Level (20Pa)

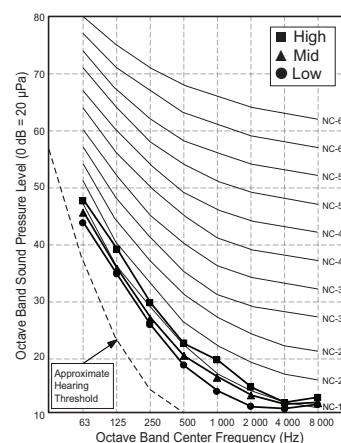
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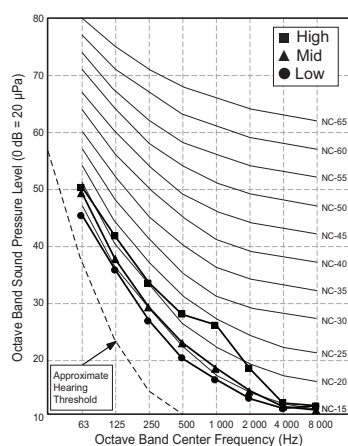


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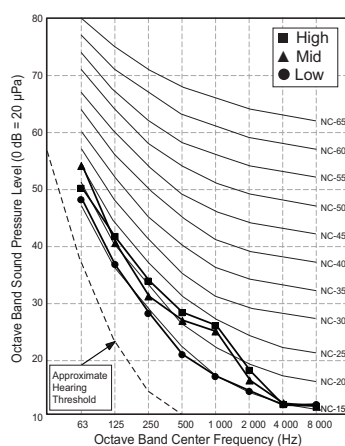


9. Sound Levels

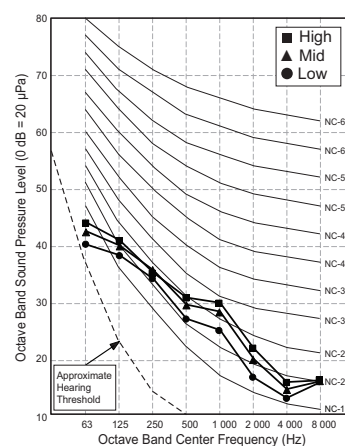
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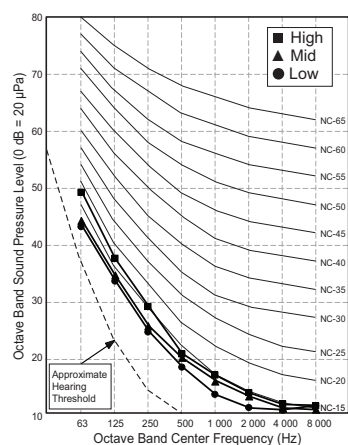


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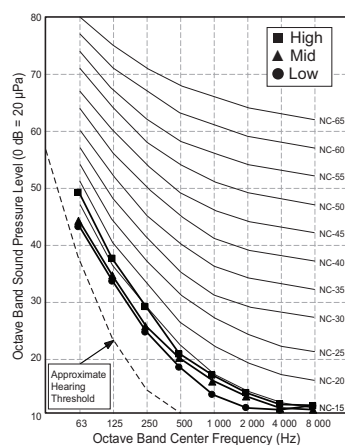


■ Sound Pressure Level (25Pa)

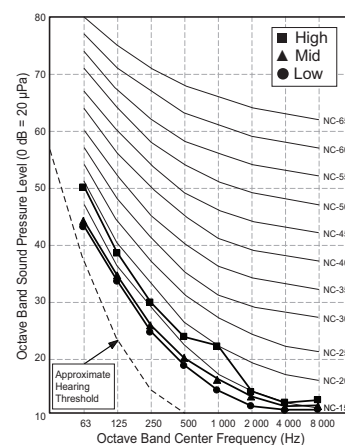
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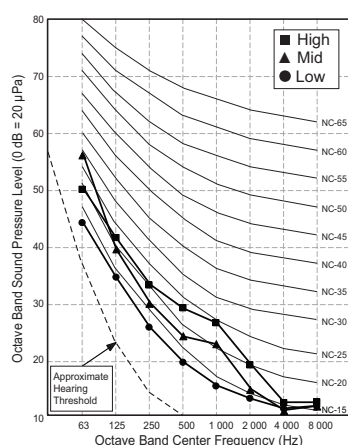
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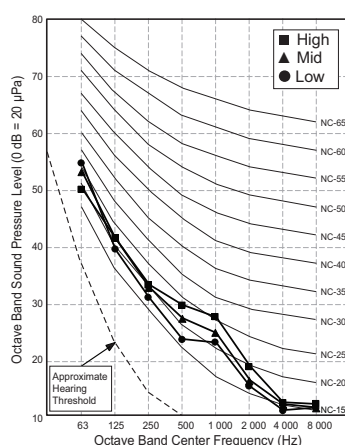
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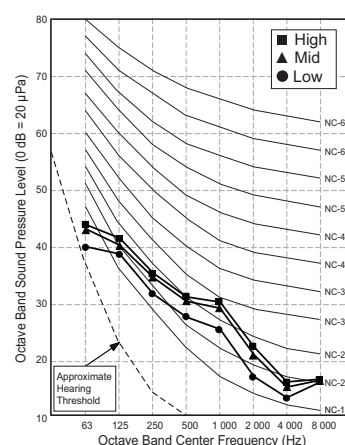
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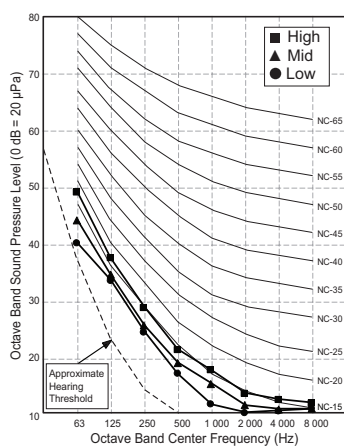
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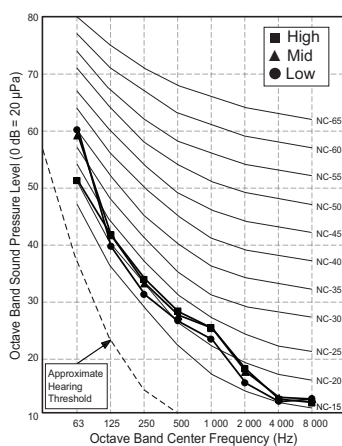
9. Sound Levels

■ Sound Pressure Level (59Pa)

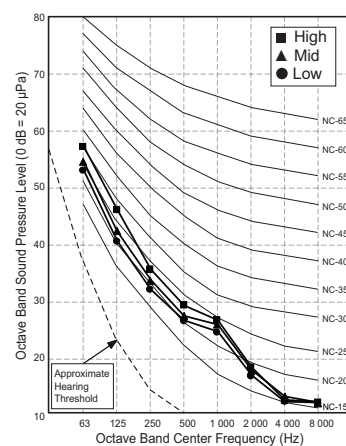
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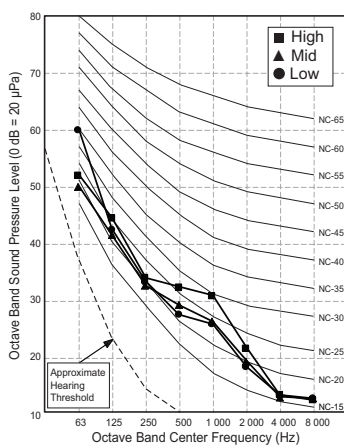
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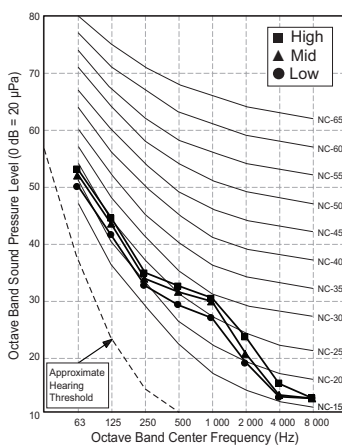
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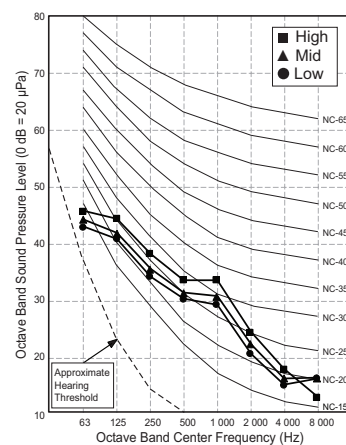
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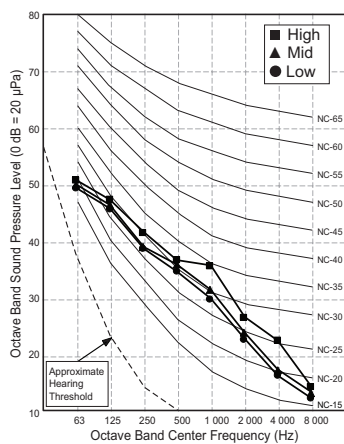


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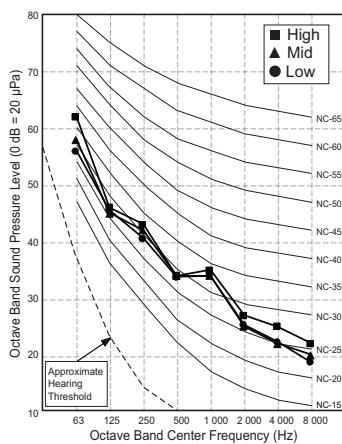


■ Sound Pressure Level (147Pa)

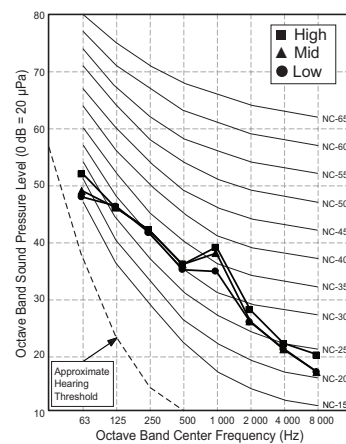
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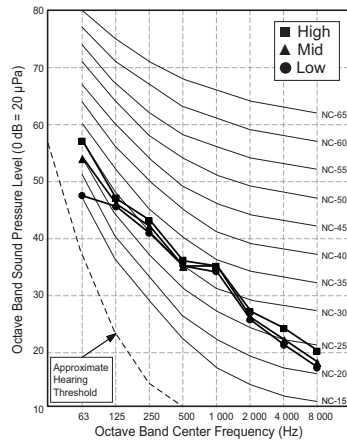
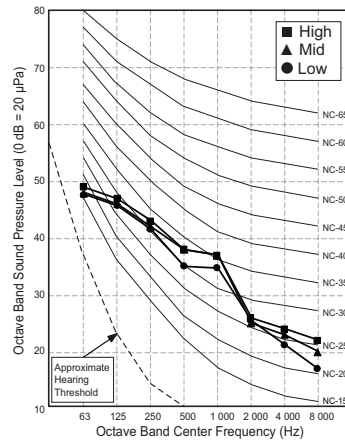
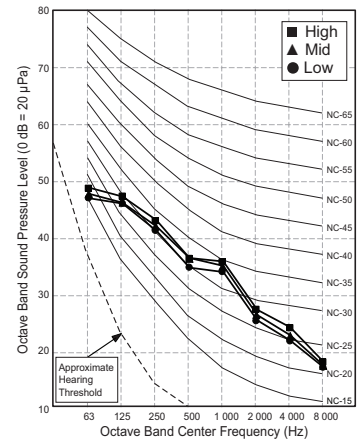
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ARNU12GM1A4



9. Sound Levels

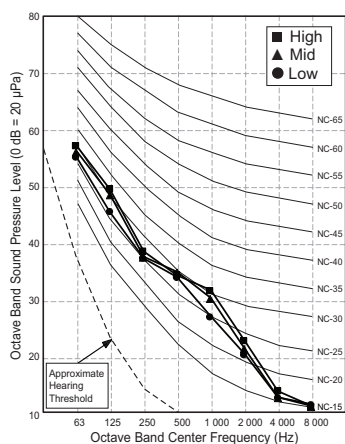
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9. Sound Levels

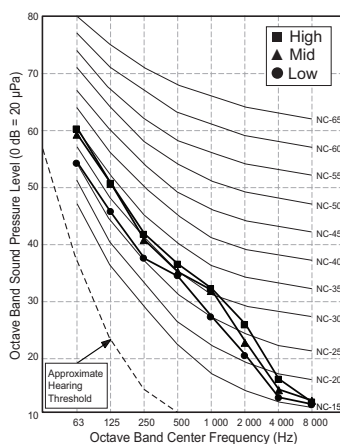
Model	Sound Pressure Levels (dB(A),H-M-L)			
	External Static Pressure (Pa)			
	39	49	59	147
ARNU28GM2A4	36-34-33	36-34-33	36-34-33	40-39-38
ARNU36GM2A4	36-34-33	37-36-34	37-36-34	42-40-39
ARNU42GM2A4	-	38-37-36	38-37-36	44-43-42
ARNU48GM3A4	39-37-35	39-37-35	40-38-36	43-42-41
ARNU54GM3A4	42-40-39	42-40-39	41-41-40	45-44-43

■ Sound Pressure Level (39Pa)

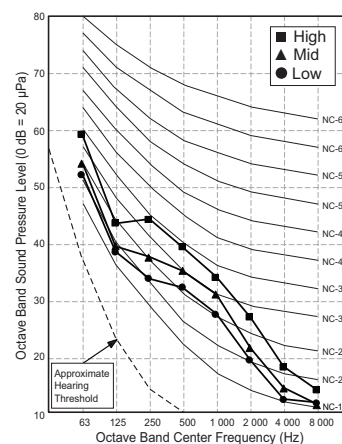
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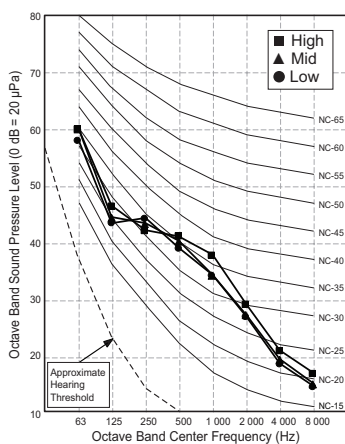
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ARNU48GM3A4



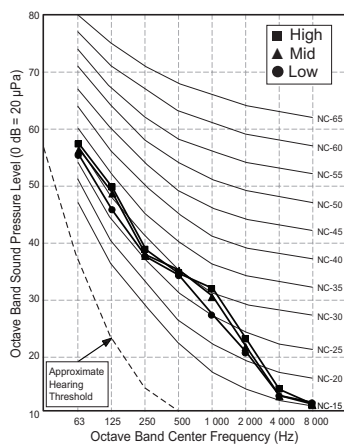
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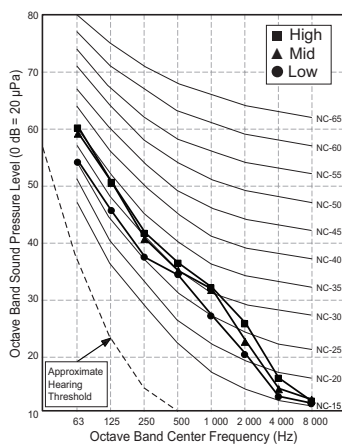
9. Sound Levels

■ Sound Pressure Level (49Pa)

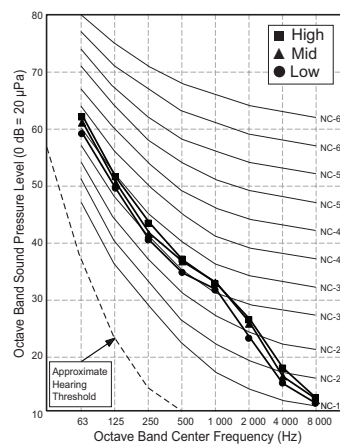
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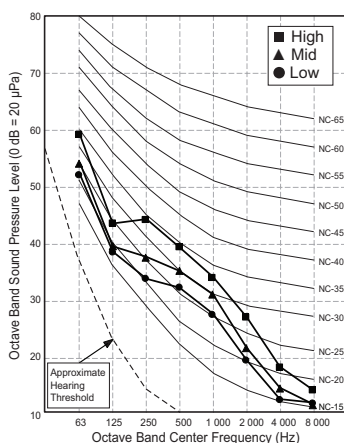
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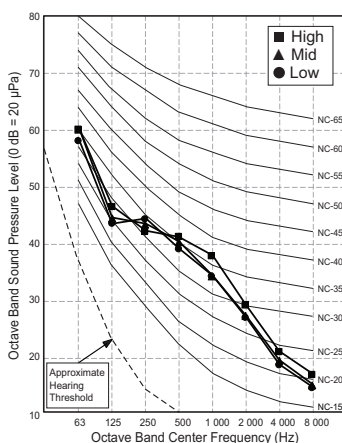
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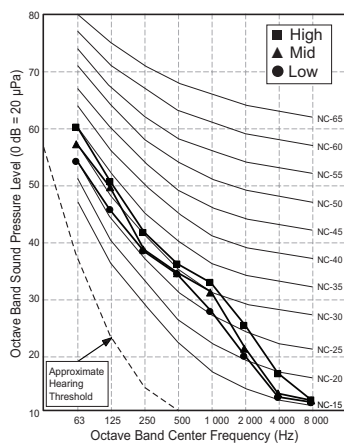


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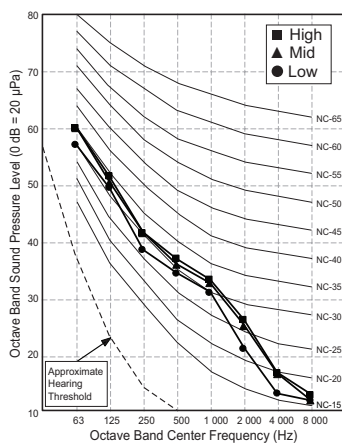


■ Sound Pressure Level (59Pa)

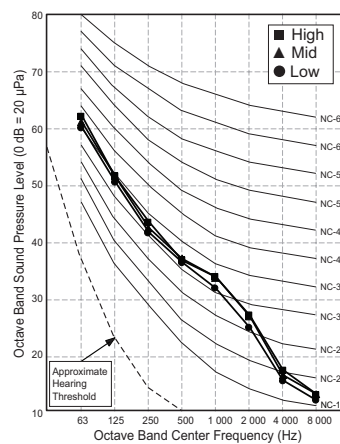
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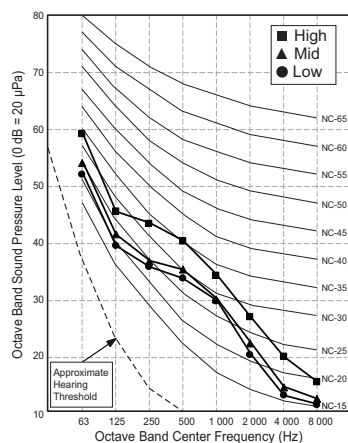


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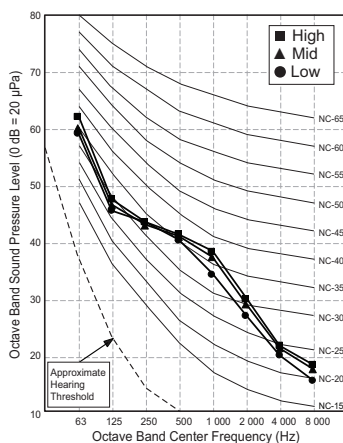


9. Sound Levels

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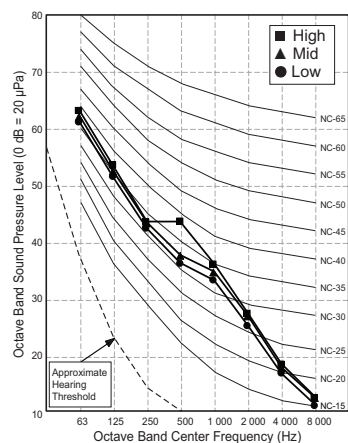


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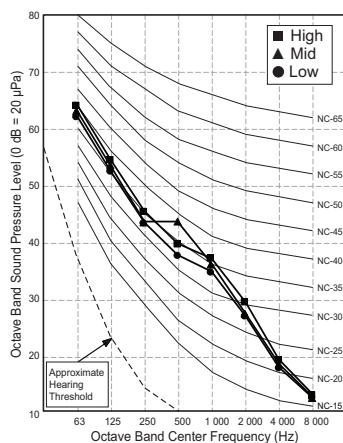


■ Sound Pressure Level (147Pa)

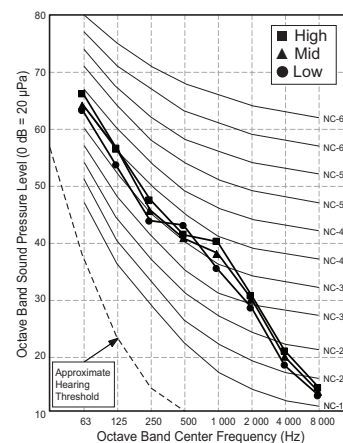
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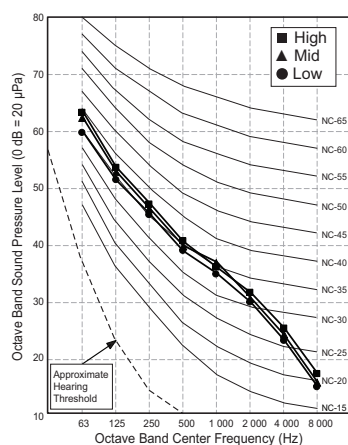
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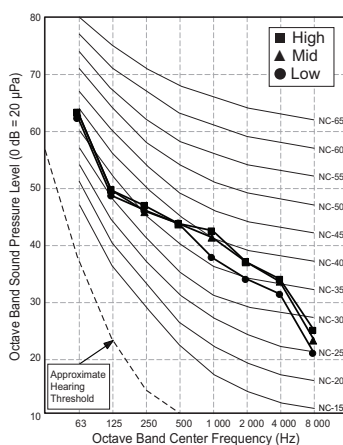
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ARNU48GM3A4



ARNU54GM3A4



9. Sound Levels

9.2 Sound Power Levels

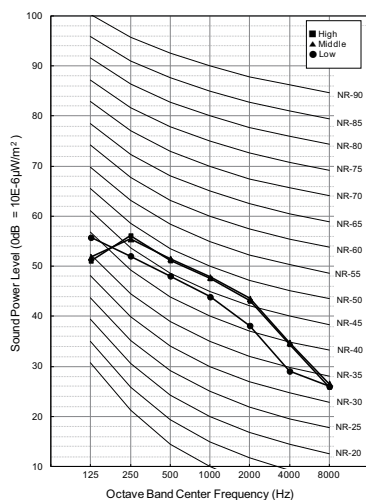
Note

- Data is valid at diffuse field condition
- Data is valid at nominal operating condition
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- Reference acoustic intensity $0\text{dB} = 10\text{E-}6\mu\text{W/m}^2$

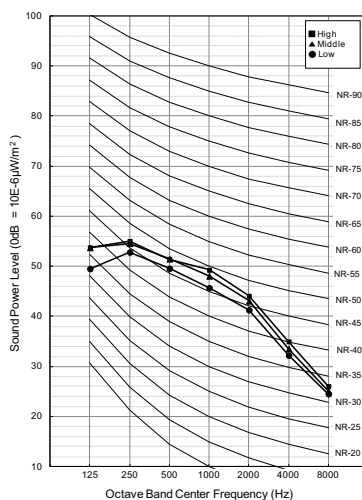
Model	Sound Power Levels (dB(A),H-M-L)			
	External Static Pressure (Pa)			
	20	25	59	147
ARNU07GM1A4	54-54-50	55-54-51	56-54-52	62-61-60
ARNU09GM1A4	54-54-52	55-54-52	56-54-52	62-61-60
ARNU12GM1A4	54-54-52	56-54-52	57-56-53	62-61-60
ARNU15GM1A4	57-56-53	59-57-55	60-58-57	63-62-62
ARNU18GM1A4	58-57-55	59-57-55	60-58-58	63-62-62
ARNU24GM1A4	58-57-56	59-58-56	60-58-58	66-65-64

■ Sound Power Level (20Pa)

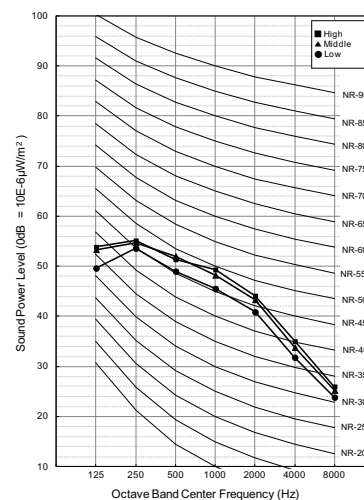
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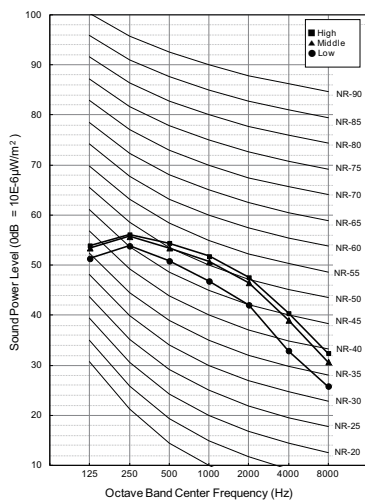


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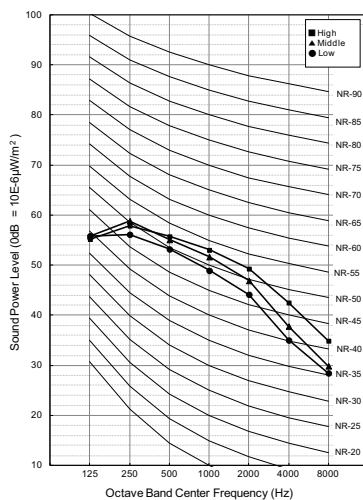


9. Sound Levels

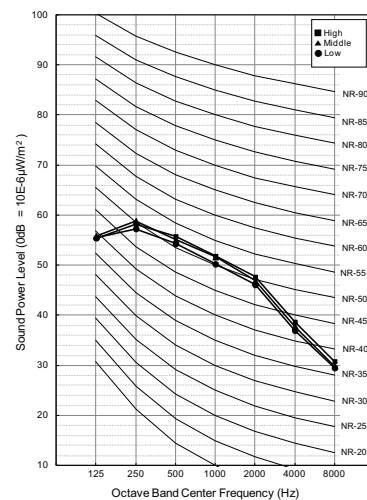
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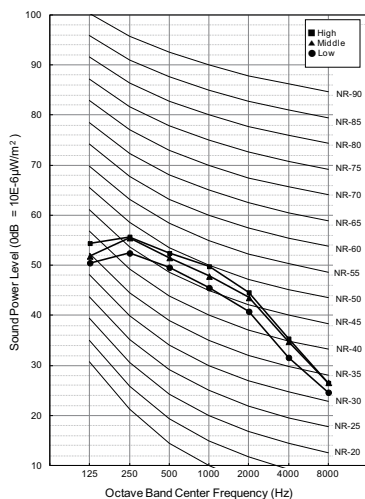


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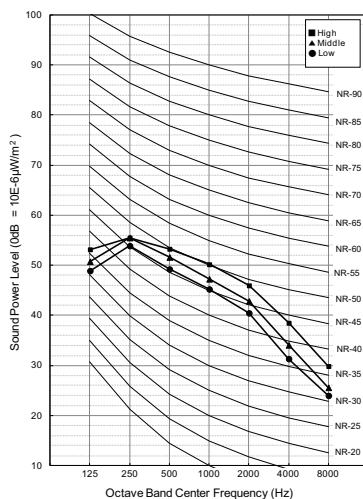


■ Sound Power Level (25Pa)

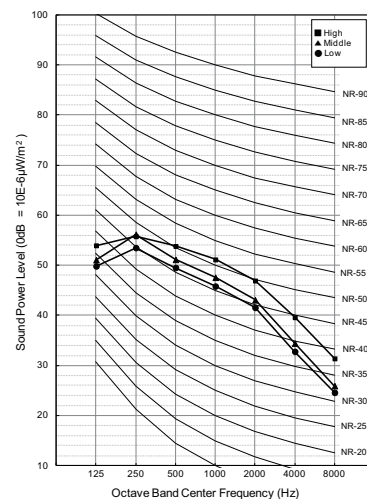
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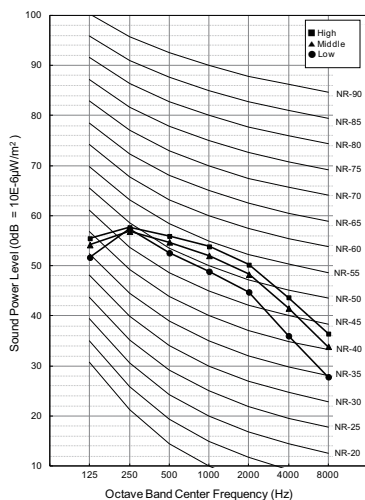
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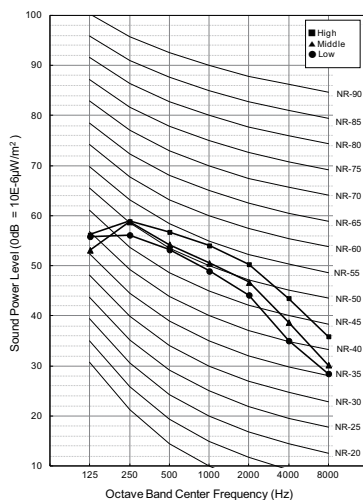
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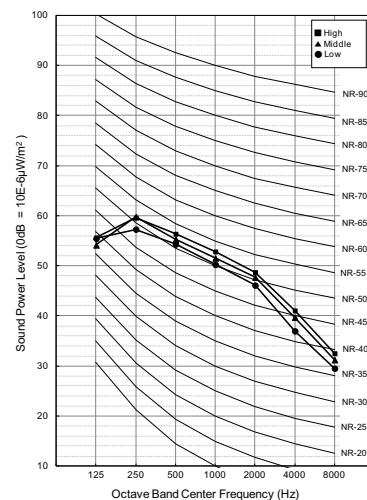
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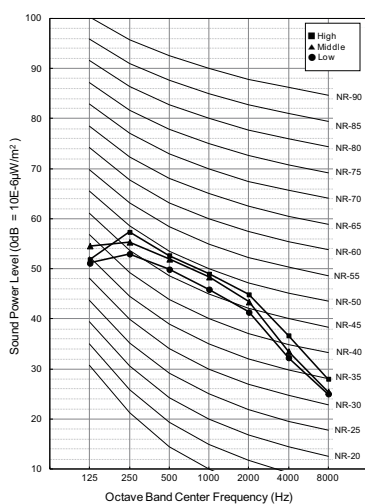
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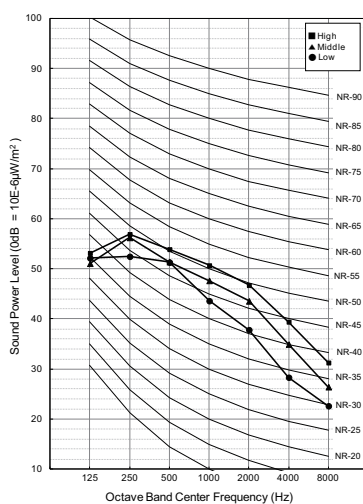
9. Sound Levels

■ Sound Power Level (59Pa)

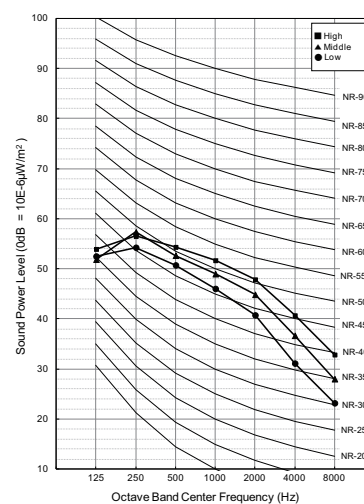
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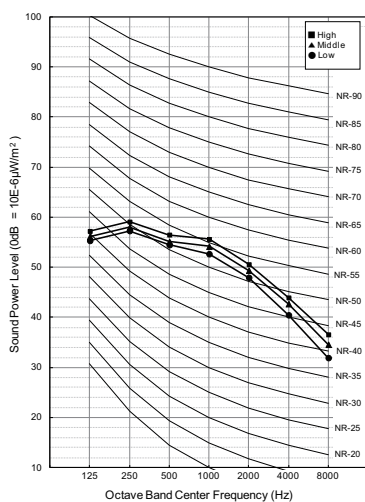
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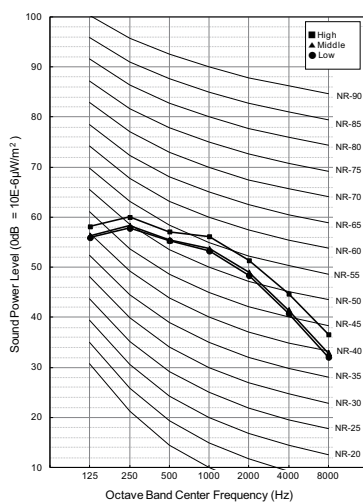
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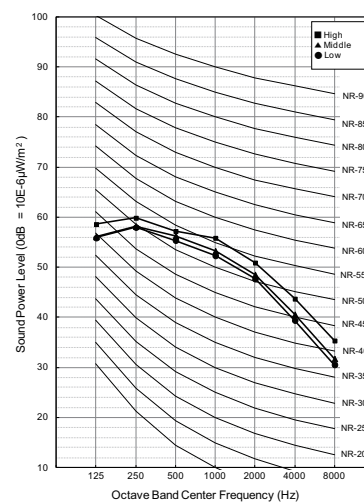
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ARNU18GM1A4



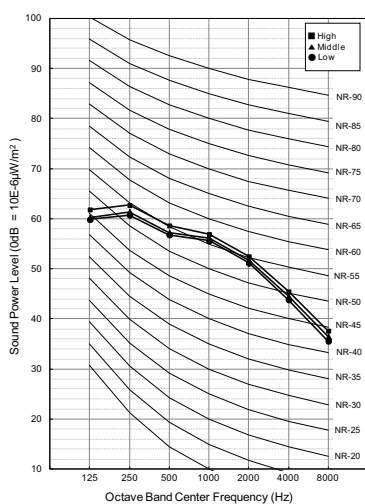
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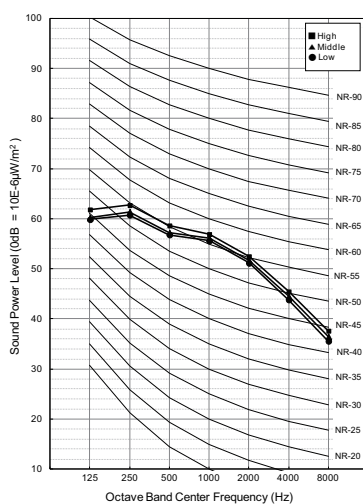
9. Sound Levels

■ Sound Power Level (147Pa)

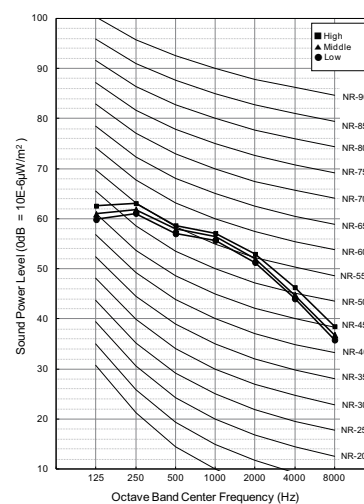
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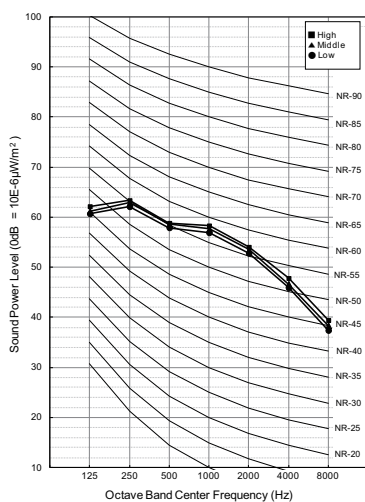
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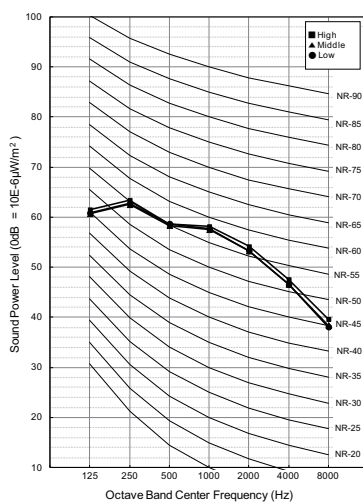
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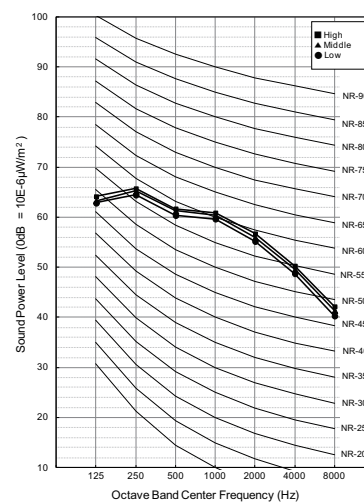
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ARNU18GM1A4



ARNU24GM1A4

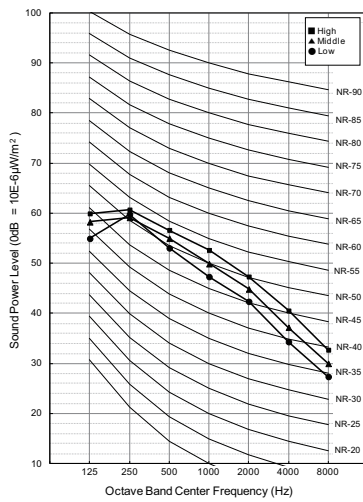


9. Sound Levels

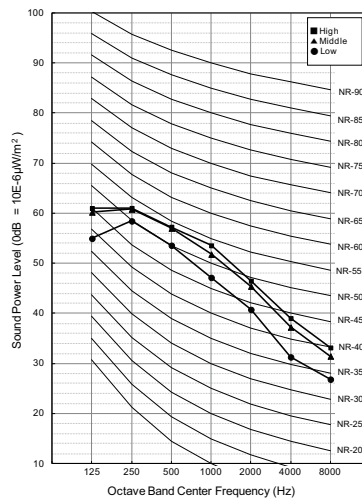
Model	Sound Power Levels (dB(A),H-M-L)			
	External Static Pressure (Pa)			
	39	49	59	147
ARNU28GM2A4	59-57-55	59-57-55	61-58-54	63-60-58
ARNU36GM2A4	59-58-55	60-59-57	62-59-57	63-62-61
ARNU42GM2A4	-	62-61-60	63-62-60	65-65-64
ARNU48GM3A4	61-60-59	63-60-59	63-61-59	66-66-64
ARNU54GM3A4	64-62-61	65-64-62	65-64-64	66-66-65

■ Sound Power Level (39Pa)

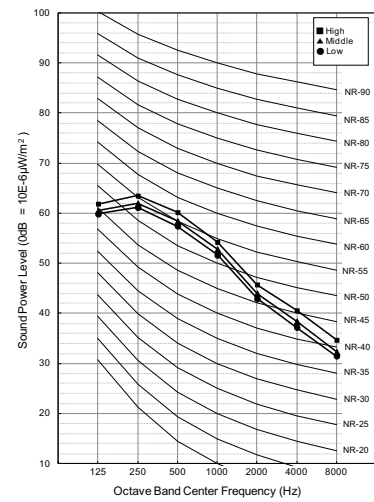
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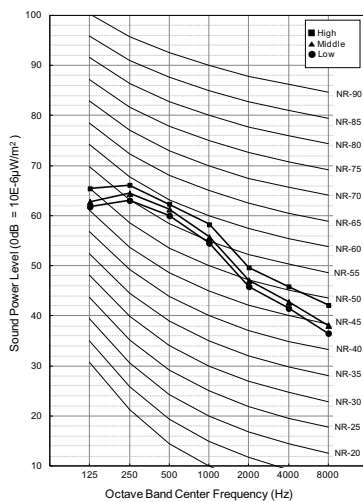
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ARNU48GM3A4



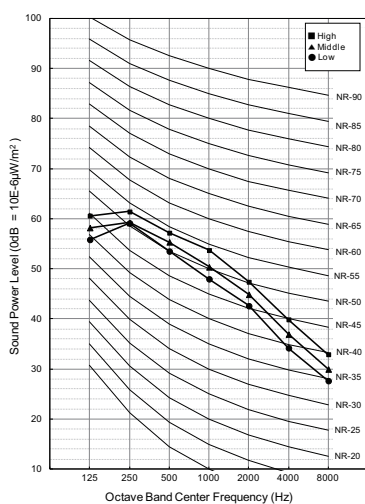
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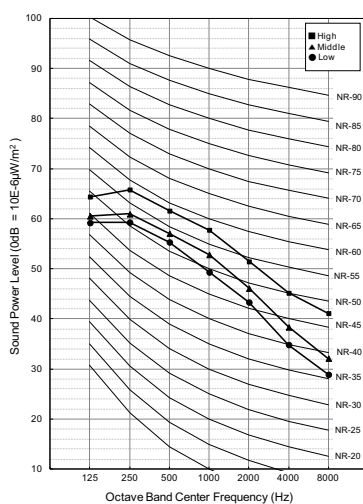
9. Sound Levels

■ Sound Power Level (49Pa)

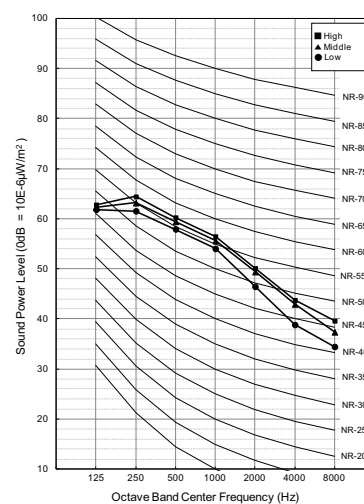
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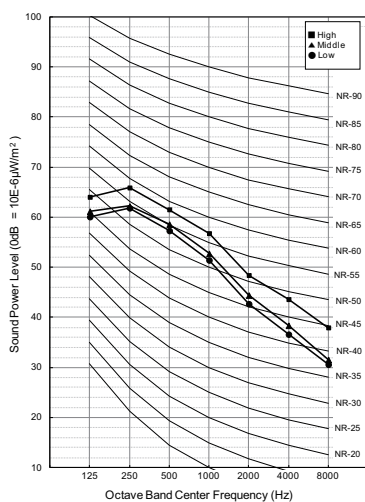
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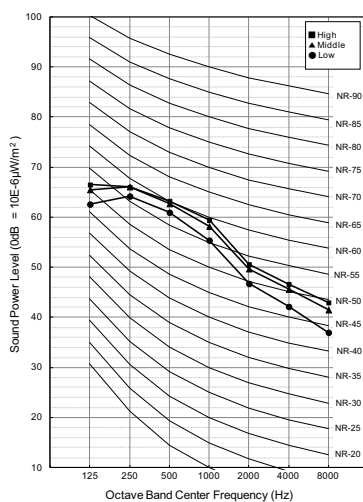
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ARNU48GM3A4



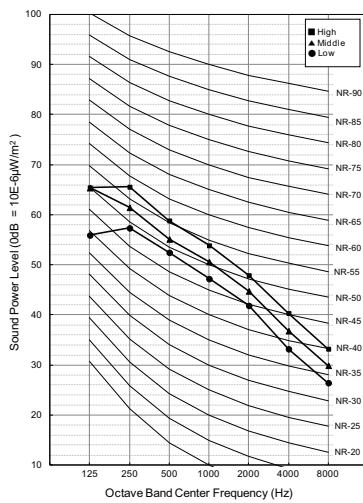
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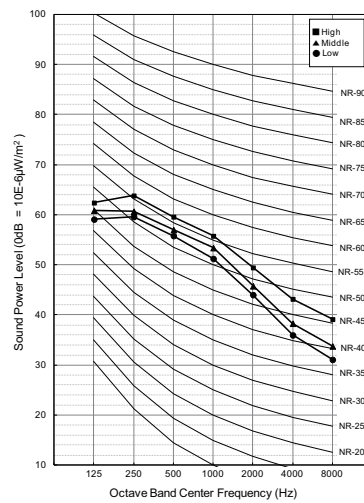
9. Sound Levels

■ Sound Power Level (59Pa)

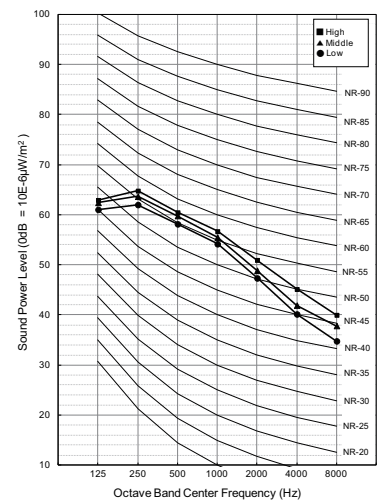
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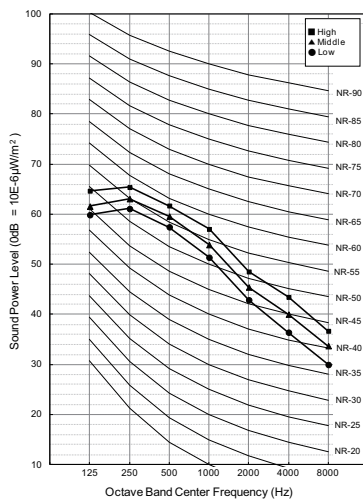
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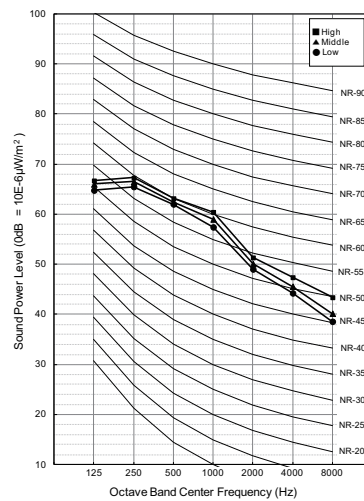
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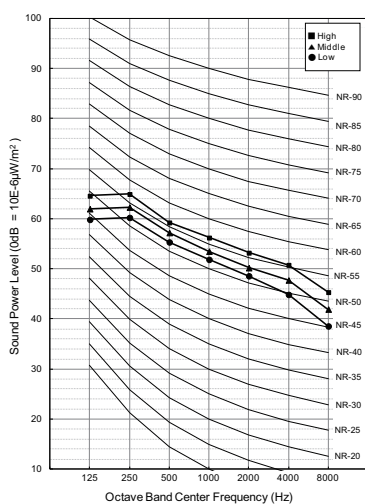
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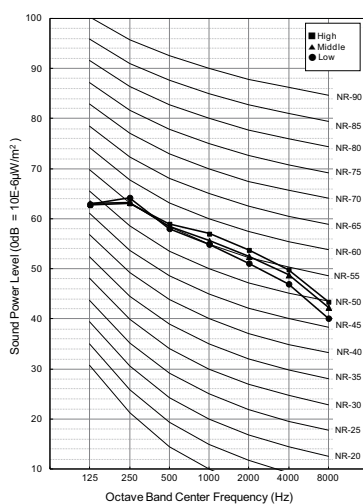
9. Sound Levels

■ Sound Power Level (147Pa)

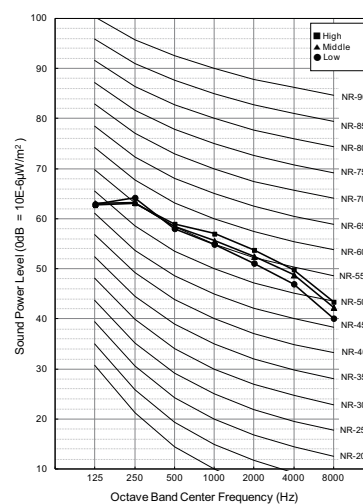
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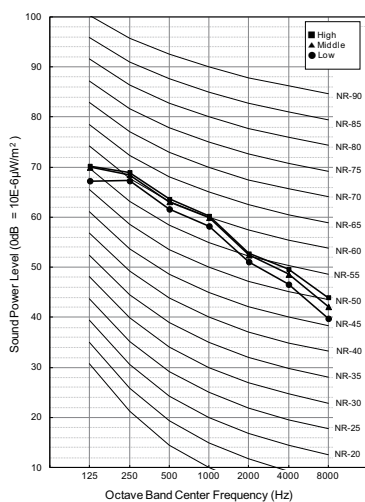
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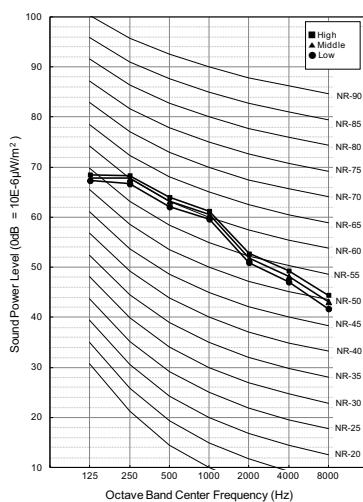
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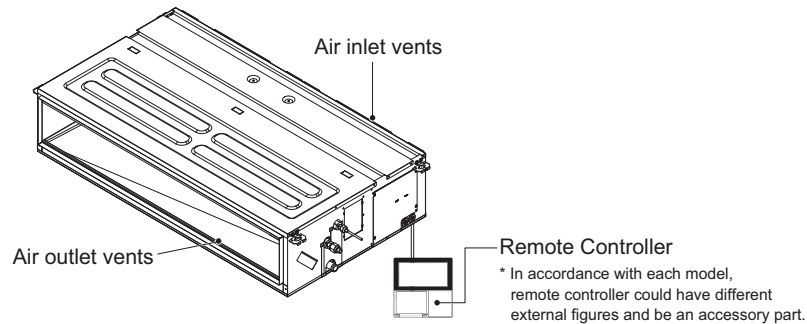


ARNU54GM3A4



10. Installation

- Please read the instruction sheets completely before installing the product.
- When the power cord is damaged, replacement work shall be performed by authorized personnel only.
- Installation work must be performed in accordance with the national wiring standards.
- Teach the customer the operation and maintenance procedures, using the operation manual. (air filter cleaning, temperature control, etc.)



10.1 Selection of the best location

- The place where room air circulation is good.
- Do not install the unit near the door.
- There should not be any obstacles to the air circulation or installation. Ensure the spaces from the wall, ceiling, or other obstacles.
- The place where the indoor unit can be connected with outdoor unit easily.
- The place where the unit is leveled.
- The place shall allow easy water drainage.
- The place where bear a load exceeding four times of the indoor unit weight.
- The mounting ceiling or wall should be solid enough to protect it from the vibration.
- The place where the unit is not affected by an electrical noise.
- The place where noise prevention is taken into consideration.
- The place where the maintenance space for product is sufficient. (The servicing inspection hole of the ceiling should be larger than the indoor unit.)
- The selection of the servicing inspection hole should be approved by the customer.
- There should not be any heat source or steam near the unit. Avoid the following installation location.
 1. Such places as restaurants and kitchen where considerable amount of oil steam and flour is generated. These may cause heat exchange efficiency reduction, or water drops, drain pump mal-function. In these cases, take the following actions;
 - Make sure that ventilation fan is enough to cover all noxious gases from this place.
 - Ensure enough distance from the cooking room to install the air conditioner in such a place where it may not suck oily steam.

