

FJM

Technical Data Book

Wall-Mounted for CIS (R410A, 50Hz, Maldives)

SAMSUNG

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Nomenclature

Indoor Units

Model Names

AJ	020	J	B	R	D	E	H	/	**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		Buyer

(1) Classification

AJ	FJM
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(2) Capacity

x 100 Watt (3digits)

(3) Year

F	2013
H	2014
J	2015

(4) Product Type

B	Indoor Unit
C	Outdoor Unit

(5) Feature 1

A	A3050
R	Maldives

(6) Feature 2

P	Premium
D	Deluxe

(7) Feature 3

E	220~240V, 50Hz, 1Ø
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(8) Mode

H	Heat Pump (R410A)
C	Cooling Only (R410A)

2 Specifications

Maldives

Type			Maldives	Maldives	Maldives	
Model Name			AJ020JBRDEH/RS	AJ025JBRDEH/RS	AJ035JBRDEH/RS	
Power Supply		Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
Mode			HP	HP	HP	
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.50	3.50
			Btu/h	6,800	8,500	11,900
		Heating	kW	2.20	3.20	4.00
			Btu/h	7,500	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	30.00
		Heating	W	30.00	30.00	30.00
	Current Input (Nominal)	Cooling	A	0.18	0.30	0.30
		Heating	A	0.18	0.30	0.30
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	23 x 1	23 x 1	23 x 1
	Air Flow Rate	High / Mid / Low	CMM	7.90 / 7.00 / 6.10	9.40 / 8.70 / 7.90	10.10 / 9.00 / 7.90
			l/s	131.67 / 116.67 / 101.67	156.67 / 145.00 / 131.67	168.33 / 150.00 / 131.67
	External Pressure	Min / Std / Max	mmAq	-	-	-
Pa			-	-	-	
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
		Ø, inch	1/4"	1/4"	1/4"	
	Gas Pipe	Ø, mm	9.52	9.52	9.52	
		Ø, inch	3/8"	3/8"	3/8"	
Drain Pipe	Ø, mm	ID18 HOSE	ID18 HOSE	ID18 HOSE		
Refrigerant	Type	-	R410A	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Pressure	H / M / L / Q	dBA	31 / 28 / 27 / 23	36 / 33 / 30 / 23	37 / 34 / 30 / 23
	Power	Cooling		53.0	56.0	58.0
Dimension	New Weight		kg	8.00	8.00	8.00
	Shipping Weight		kg	10.00	10.00	10.00
	Net Dimensions (WxHxD)		mm	820 x 285 x 215	820 x 285 x 215	820 x 285 x 215
	Shipping Dimensions (WxHxD)		mm	880 x 260 x 360	880 x 260 x 360	880 x 260 x 360
Panel Size	Panel Model		-	-	-	-
	Panel New Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	-	-
		Max. lifting Height / Displacement	mm / liter / h	-	-	-
	Air Filter		-	-	-	-

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

- These products contain R410A which have a global warming potential(GWP) greater than 150.

2 Specifications

Maldives

Type				Maldives	Maldives
Model Name				AJ050JBRDEH/RS	AJ068JBRDEH/RS
Power Supply		Ø, #, V, Hz		1,2,220-240,50	1,2,220-240,50
Mode				HP	HP
Performance	Capacity (Nominal)	Cooling	kW	5.00	6.80
			Btu/h	17,100	23,200
		Heating	kW	6.00	7.80
			Btu/h	20,500	26,600
Power	Power Input (Nominal)	Cooling	W	35.00	53.00
		Heating	W	35.00	53.00
	Current Input (Nominal)	Cooling	A	0.30	0.46
		Heating	A	0.30	0.46
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
		Output x n	W	27 x 1	27 x 1
	Air Flow Rate	High / Mid / Low	CMM	14.20 / 12.30 / 11.20	17.80 / 14.30 / 10.60
			l/s	236.67 / 205.00 / 186.67	296.67 / 238.33 / 176.67
	External Pressure	Min / Std / Max	mmAq	-	-
			Pa	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	
		Ø, inch	1/4"	1/4"	
	Gas Pipe	Ø, mm	12.70	15.88	
		Ø, inch	1/2"	5/8"	
Drain Pipe	Ø, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)		
Refrigerant	Type	-	R410A	R410A	
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Pressure	H / M / L / Q	dBA	40 / 37 / 34 / 27	44 / 39 / 35 / 29
	Power	Cooling		60.0	64.0
Dimension	New Weight		kg	13.00	13.00
	Shipping Weight		kg	16.00	16.00
	Net Dimensions (WxHxD)		mm	1,065 x 298 x 230	1,065 x 298 x 230
	Shipping Dimensions (WxHxD)		mm	1,125 x 290 x 375	1,125 x 290 x 375
Panel Size	Panel Model		-	-	-
	Panel New Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (WxHxD)		mm	-	-
	Shipping Dimensions (WxHxD)		mm	-	-
Additional Accessories	Drain Pump	Drain Pump	- / Model	-	-
		Max. lifting Height / Displacement	mm / liter / h	-	-
	Air Filter		-	-	-

- All figures comply with EN14511

- Nominal cooling capacities are based on;

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Refrigerant piping : 5m , Level differences : 0m

- Nominal heating capacities are based on;

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Refrigerant piping : 5m, Level differences : 0m

- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

- Specifications may be subject to change without prior notice.

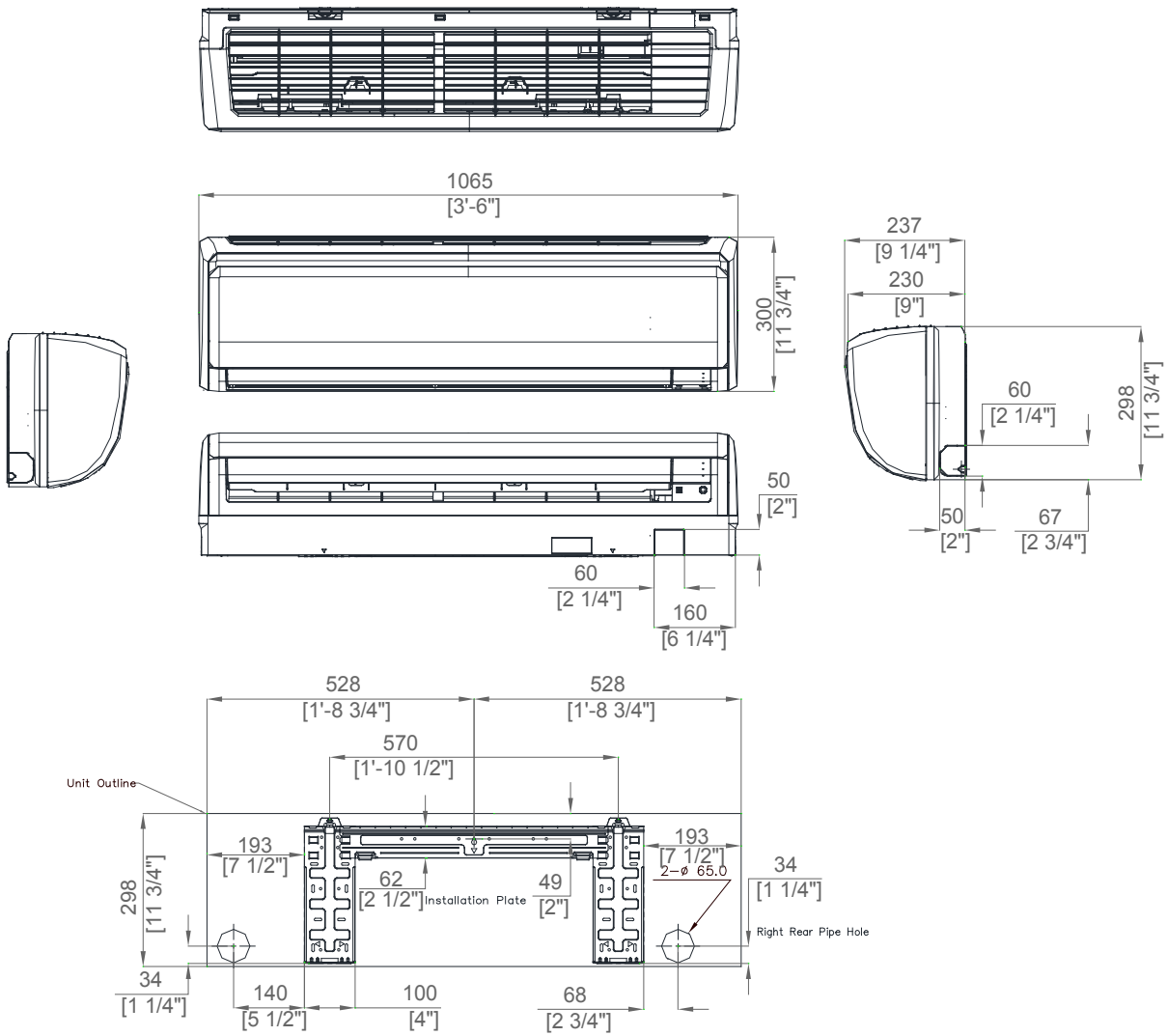
- These products contain R410A which have a global warming potential(GWP) greater than 150.

3 Dimensional drawing

Maldives

AJ050JBRDEH/RS, AJ068JBRDEH/RS

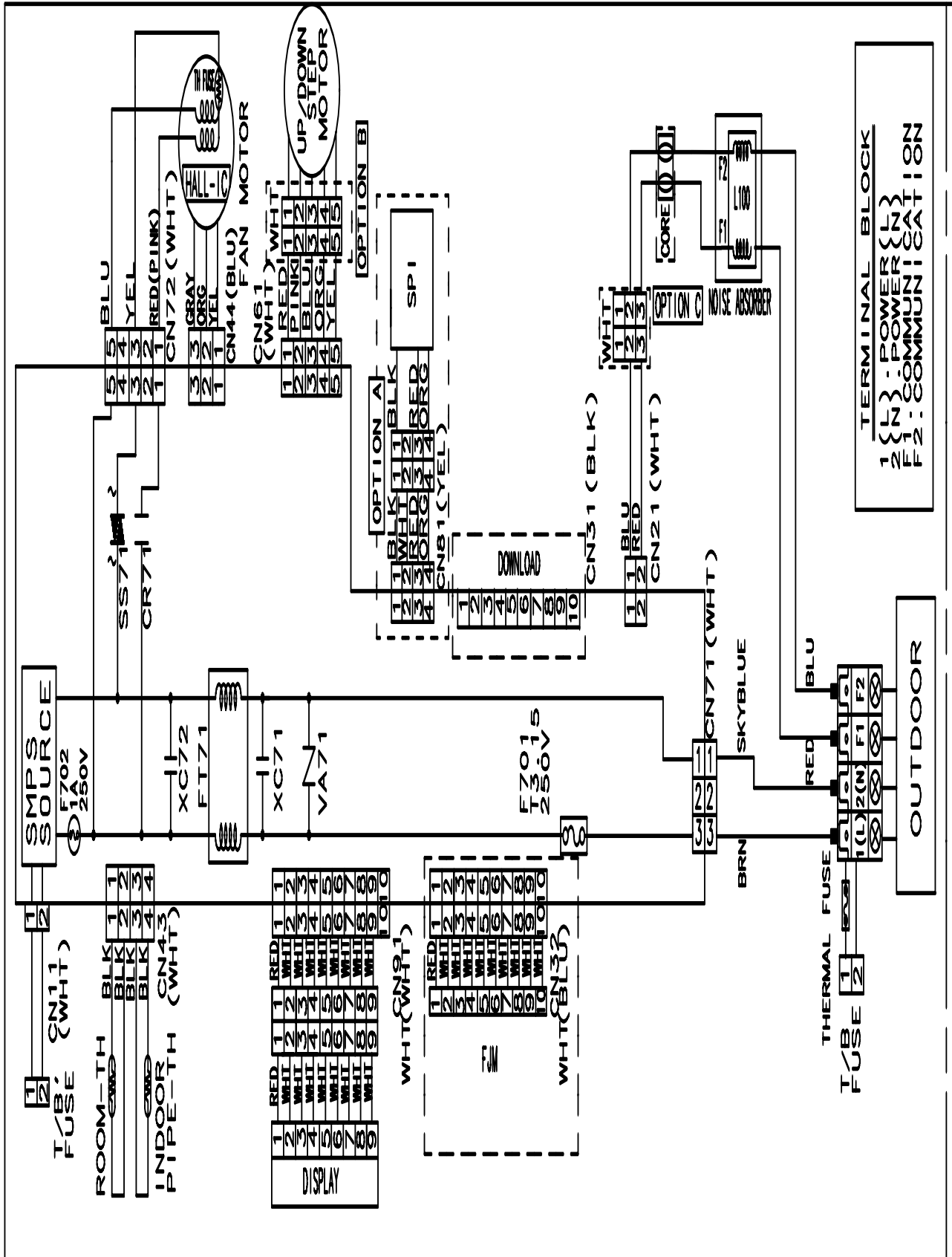
Units : mm / inches



4 Electrical wiring diagram

Maldives

AJ020JBRDEH/RS, AJ025JBRDEH/RS, AJ035JBRDEH/RS, AJ050JBRDEH/RS, AJ068JBRDEH/RS

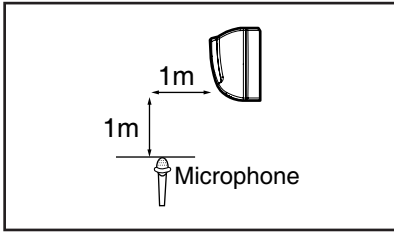


TERMINAL BLOCK
 1 (L) : POWER
 2 (N) : POWER
 F1 : COMMUNICATION
 F2 : COMMUNICATION

OUTDOOR

5 Sound pressure level

Maldives



Unit: dB(A)

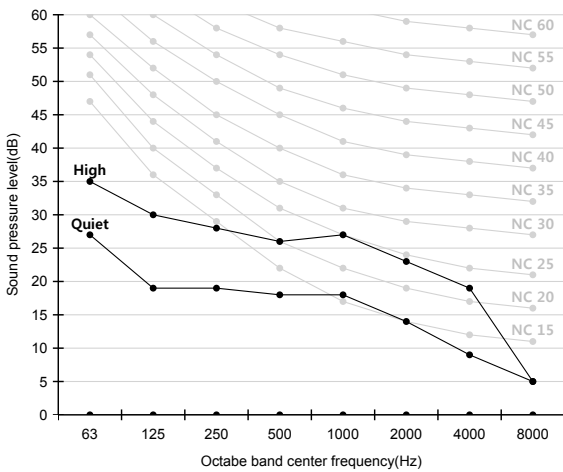
Model	High @ 1m	Quiet @ 1m
AJ020JBRDEH/RS	31.0	2H0
AJ025JBRDEH/RS	36.0	G10
AJ035JBRDEH/RS	37.0	G10
AJ050JBRDEH/RS	40.0	G 0

Note

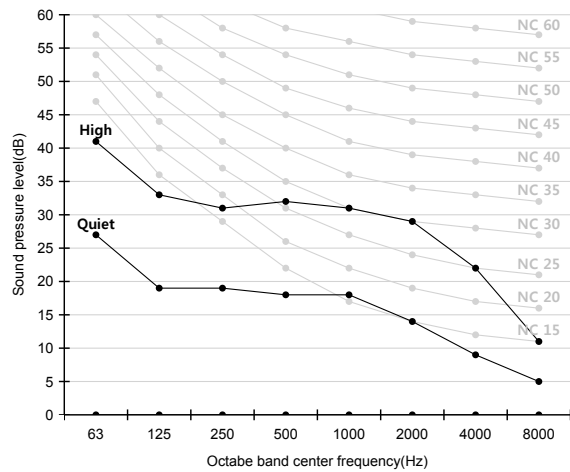
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

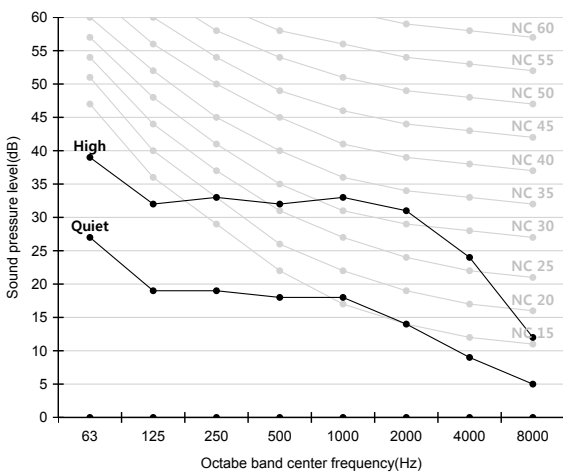
1) AJ020JBRDEH/RS



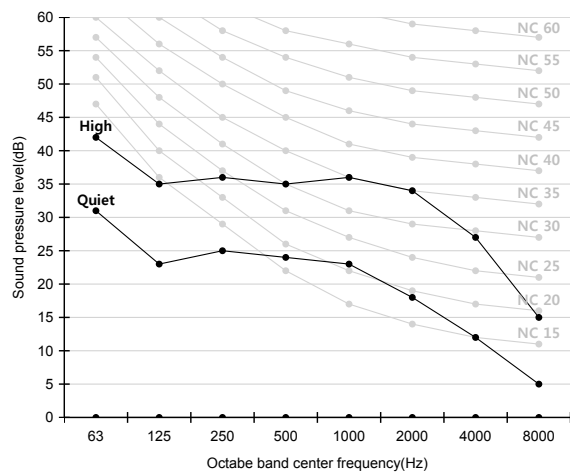
2) AJ025JBRDEH/RS



3) AJ035JBRDEH/RS

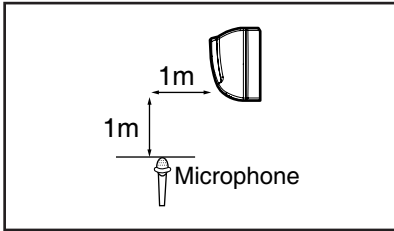


4) AJ050JBRDEH/RS



5 Sound pressure level

Maldives



Unit: dB(A)

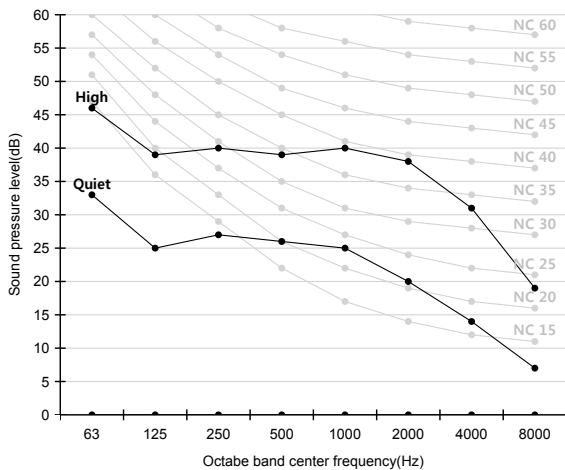
Model	High	Ū̃ āc
AJ068JBRDEH/RS	44.0	29.0

Note

- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

NC curve

1) AJ068JBRDEH/RS



6 Sound power level

Maldives

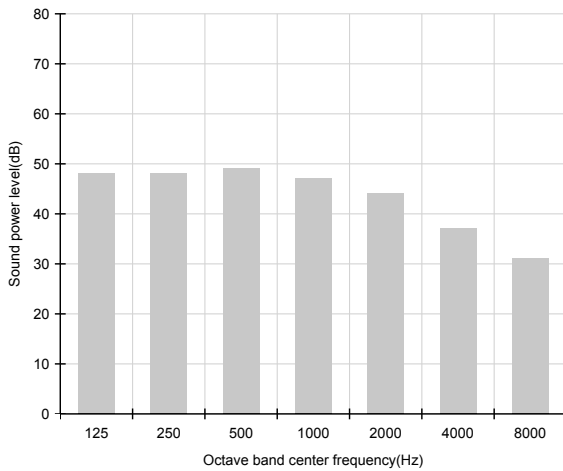
Note

- dBA = A-Weighted sound power level.
- Reference power : 1pW
- Measured according to ISO 3741.

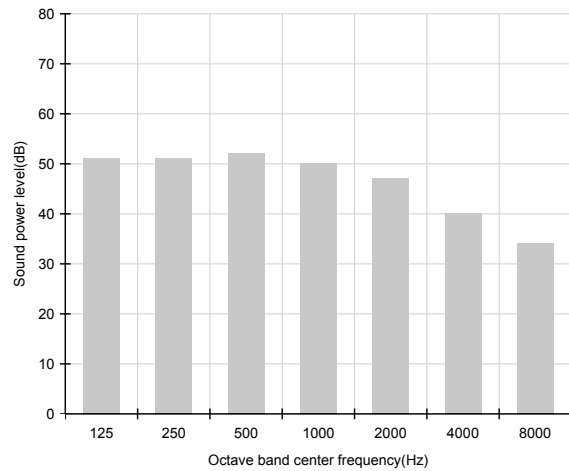
Unit: dB(A)

Model	Power
AJ020JBRDEH/RS	53.0
AJ025JBRDEH/RS	56.0
AJ035JBRDEH/RS	58.0
AJ050JBRDEH/RS	60.0

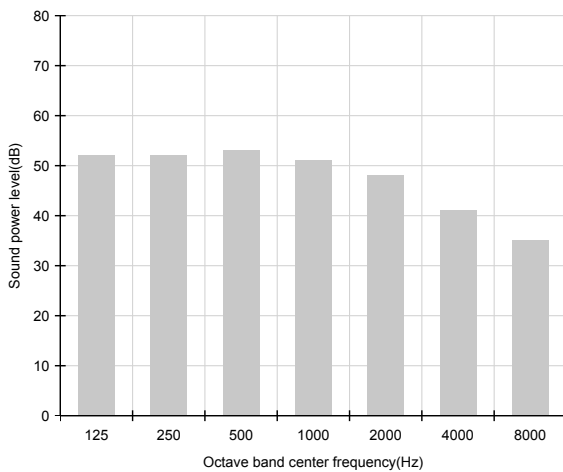
1)AJ020JBRDEH/RS



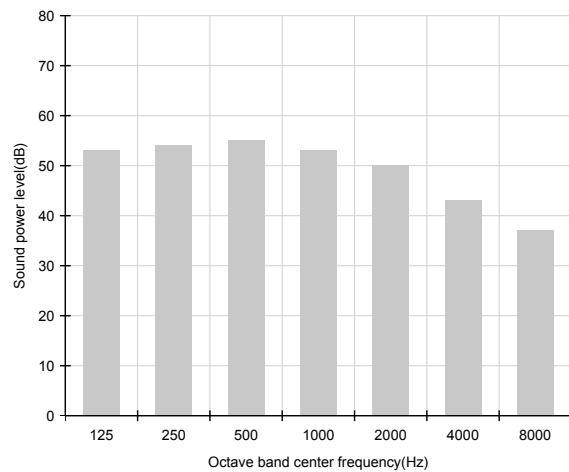
2)AJ025JBRDEH/RS



3)AJ035JBRDEH/RS



4)AJ050JBRDEH/RS



6 Sound power level

Maldives

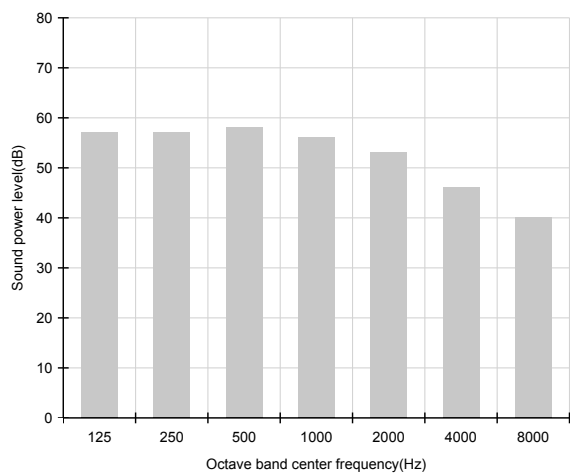
Note

- dBA = A-Weighted sound power level.
- Reference power : 1pW
- Measured according to ISO 3741.

Unit: dB(A)

Model	Power
AJ068JBRDEH/RS	64.0

1)AJ068JBRDEH/RS



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Ver.1.0



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