

FJM

Technical Data Book

RAC for EU(AR7000~AR5000 type Add)

SAMSUNG

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1 Nomenclature

Indoor Units

Modle Names

AR	07	H	S	S	D	B	WK	N	EU
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

(1) Classification

AR	RAC
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(2) Capacity

kBTU/H

(3) Year

E	2012
F	2013
H	2013
J	2014

(4) Feature 1

S	Inverter Heat Pump
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(5) Feature 2

S	Virus Doctor
F	No Virus Doctor

(6) Feature 3

F	Best	AR9000
D	Better	AR7000
S	Good 1	AR5000
N	Good 2	AR5000

(7) Version

A, B ...

(8) Color

WK	DA White
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(9) Product type

N	Indoor Unit
X	Outdoor Unit

(10) Buyer

EU	Europe
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2 Specifications

AR 7000

Type				AR7000		AR7000	
Model Name				AR07HSSDBWKNEU		AR09HSSDBWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	2.00		2.50	
			Btu/h	6,800		8,500	
		Heating	kW	2.20		3.20	
			Btu/h	7,500		10,900	
Power	Power Input (Nominal)	Cooling	W	30.00		30.00	
		Heating	W	30.00		30.00	
	Current Input (Nominal)	Cooling	A	0.30		0.30	
		Heating	A	0.30		0.30	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	9.42 / - / -		11.00 / - / -	
			l/s	157.00 / - / -		183.33 / - / -	
	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	9.52		9.52	
			Ø, inch	3/8"		3/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	38.0 / - / -		38.0 / - / -	
	Power	Cooling		56.0		56.0	
Dimension	New Weight		kg	10.20		10.20	
	Shipping Weight		kg	12.50		12.50	
	Net Dimensions (WxHxD)		mm	826 x 260 x 275		826 x 260 x 275	
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335		886 x 317 x 335	
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, Equivalent 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, Equivalent 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.

2 Specifications

AR 7000

Type				AR7000		AR7000	
Model Name				AR12HSSDBWKNEU		AR18HSSDBWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	3.50		5.00	
			Btu/h	11,900		17,100	
		Heating	kW	4.00		6.00	
			Btu/h	13,600		20,500	
Power	Power Input (Nominal)	Cooling	W	50.00		50.00	
		Heating	W	50.00		50.00	
	Current Input (Nominal)	Cooling	A	0.40		0.40	
		Heating	A	0.40		0.40	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	12.00 / - / -		18.00 / - / -	
			l/s	200.00 / - / -		300.00 / - / -	
	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	9.52		12.70	
			Ø, inch	3/8"		1/2"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	39.0 / - / -		42.0 / - / -	
	Power	Cooling		58.0		58.0	
Dimension	New Weight		kg	10.20		14.10	
	Shipping Weight		kg	12.50		16.10	
	Net Dimensions (WxHxD)		mm	826 x 260 x 275		1,063 x 294 x 317	
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335		1,123 x 354 x 384	
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, Equivalent 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, Equivalent 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.

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2 Specifications

AR 7000

Type				AR7000	
Model Name				AR24HSSDBWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50	
Mode			-	HP	
Performance	Capacity (Nominal)	Cooling	kW	6.80	
			Btu/h	23,200	
		Heating	kW	8.00	
			Btu/h	27,300	
Power	Power Input (Nominal)	Cooling	W	60.00	
		Heating	W	60.00	
	Current Input (Nominal)	Cooling	A	0.45	
		Heating	A	0.45	
Fan	Motor	Type	-	Cross flow Fan	
		Output x n	W	-	
	Air Flow Rate	High / Mid / Low	CMM	19.00 / - / -	
			l/s	316.67 / - / -	
	External Pressure	Min / Std / Max	mmAq	-	
			Pa	-	
Piping Connections	Liquid Pipe		Ø, mm	6.35	
			Ø, inch	1/4"	
	Gas Pipe		Ø, mm	15.88	
			Ø, inch	5/8"	
	Drain Pipe		Ø, mm	ID18 HOSE	
Refrigerant	Type		-	R410A	
	Control Method		-	EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	43.0 / - / -	
	Power	Cooling		62.0	
Dimension	New Weight		kg	14.10	
	Shipping Weight		kg	16.10	
	Net Dimensions (WxHxD)		mm	1,063 x 294 x 317	
	Shipping Dimensions (WxHxD)		mm	1,123 x 354 x 384	
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, Equivalent 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, Equivalent 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.

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2 Specifications

AR 5000

Type				AR5000		AR5000	
Model Name				AR07HSFNBWKNEU		AR07HSFSAWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	2.00		2.00	
			Btu/h	6,800		6,800	
		Heating	kW	2.20		2.20	
			Btu/h	7,500		7,500	
Power	Power Input (Nominal)	Cooling	W	30.00		30.00	
		Heating	W	30.00		30.00	
	Current Input (Nominal)	Cooling	A	0.30		0.30	
		Heating	A	0.30		0.30	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	8.41 / - / -		8.41 / - / -	
			l/s	140.17 / - / -		140.17 / - / -	
	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	9.52		9.52	
			Ø, inch	3/8"		3/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	36.0 / - / -		36.0 / - / -	
	Power	Cooling		54.0		54.0	
Dimension	New Weight		kg	9.50		9.50	
	Shipping Weight		kg	11.30		11.30	
	Net Dimensions (WxHxD)		mm	826 x 260 x 275		826 x 260 x 275	
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335		886 x 317 x 335	
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, Equivalent 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, Equivalent 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.

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2 Specifications

AR 5000

Type				AR5000		AR5000	
Model Name				AR09HSFNBWKNEU		AR09HSFSBWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	2.50		2.50	
			Btu/h	8,500		8,500	
		Heating	kW	3.30		3.30	
			Btu/h	11,300		11,300	
Power	Power Input (Nominal)	Cooling	W	30.00		30.00	
		Heating	W	30.00		30.00	
	Current Input (Nominal)	Cooling	A	0.30		0.30	
		Heating	A	0.30		0.30	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	11.00 / - / -		11.00 / - / -	
			l/s	183.33 / - / -		183.33 / - / -	
	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	9.52		9.52	
			Ø, inch	3/8"		3/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	36.0 / - / -		36.0 / - / -	
	Power	Cooling		54.0		54.0	
Dimension	New Weight		kg	9.50		9.50	
	Shipping Weight		kg	11.30		11.30	
	Net Dimensions (WxHxD)		mm	826 x 260 x 275		826 x 260 x 275	
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335		886 x 317 x 335	
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, Equivalent 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, Equivalent 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.

2 Specifications

AR 5000

Type				AR5000		AR5000	
Model Name				AR12HSFNBWKNEU		AR12HSFSAWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	3.50		3.50	
			Btu/h	11,900		11,900	
		Heating	kW	4.00		4.00	
			Btu/h	13,600		13,600	
Power	Power Input (Nominal)	Cooling	W	50.00		50.00	
		Heating	W	50.00		50.00	
	Current Input (Nominal)	Cooling	A	0.40		0.40	
		Heating	A	0.40		0.40	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	12.00 / - / -		12.00 / - / -	
			l/s	200.00 / - / -		200.00 / - / -	
	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	9.52		9.52	
			Ø, inch	3/8"		3/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	37.0 / - / -		37.0 / - / -	
	Power	Cooling		56.0		56.0	
Dimension	New Weight		kg	9.50		9.50	
	Shipping Weight		kg	11.30		11.30	
	Net Dimensions (WxHxD)		mm	826 x 260 x 275		826 x 260 x 275	
	Shipping Dimensions (WxHxD)		mm	886 x 317 x 335		886 x 317 x 335	
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, Equivalent 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, Equivalent 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.

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2 Specifications

AR 5000

Type				AR5000		AR5000	
Model Name				AR18HSFNBWKNEU		AR18HSFSAWKNEU	
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		5.00	
			Btu/h	17,100		17,100	
		Heating	kW	6.00		6.00	
			Btu/h	20,500		20,500	
Power	Power Input (Nominal)	Cooling	W	50.00		50.00	
		Heating	W	50.00		50.00	
	Current Input (Nominal)	Cooling	A	0.40		0.40	
		Heating	A	0.40		0.40	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	19.00 / - / -		19.00 / - / -	
			l/s	316.67 / - / -		316.67 / - / -	
	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		12.70	
			Ø, inch	1/2"		1/2"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	41.0 / - / -		41.0 / - / -	
	Power	Cooling		58.0		58.0	
Dimension	New Weight		kg	13.20		13.20	
	Shipping Weight		kg	15.40		15.40	
	Net Dimensions (WxHxD)		mm	1,063 x 294 x 317		1,063 x 294 x 317	
	Shipping Dimensions (WxHxD)		mm	1,123 x 354 x 384		1,123 x 354 x 384	
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, Equivalent 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, Equivalent 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.

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2 Specifications

AR 5000

Type				AR5000		AR5000	
Model Name				AR24HSFNBWKNEU		AR24HSFSAWKNEU	
Power Supply			Ø, #, V, Hz	1,2,220-240,50		1,2,220-240,50	
Mode			-	HP		HP	
Performance	Capacity (Nominal)	Cooling	kW	6.80		6.80	
			Btu/h	23,200		23,200	
		Heating	kW	8.00		8.00	
			Btu/h	27,300		27,300	
Power	Power Input (Nominal)	Cooling	W	60.00		60.00	
		Heating	W	60.00		60.00	
	Current Input (Nominal)	Cooling	A	0.45		0.45	
		Heating	A	0.45		0.45	
Fan	Motor	Type	-	Cross flow Fan		Cross flow Fan	
		Output x n	W	-		-	
	Air Flow Rate	High / Mid / Low	CMM	19.00 / - / -		19.00 / - / -	
			l/s	316.67 / - / -		316.67 / - / -	
	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	15.88		15.88	
			Ø, inch	5/8"		5/8"	
	Drain Pipe		Ø, mm	ID18 HOSE		ID18 HOSE	
Refrigerant	Type		-	R410A		R410A	
	Control Method		-	EEV(X)		EEV(X)	
Sound	Pressure	High/Mid/Low	dBA	43.0 / - / -		43.0 / - / -	
	Power	Cooling		62.0		62.0	
Dimension	New Weight		kg	14.10		14.10	
	Shipping Weight		kg	16.10		16.10	
	Net Dimensions (WxHxD)		mm	1,063 x 294 x 317		1,063 x 294 x 317	
	Shipping Dimensions (WxHxD)		mm	1,123 x 354 x 384		1,123 x 354 x 384	
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, Equivalent 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, Equivalent 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.

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3 Dimensional drawing

AR 7000

AR07HSSDBWKNEU, AR09HSSDBWKNEU, AR12HSSDBWKNEU

Units : mm / inches

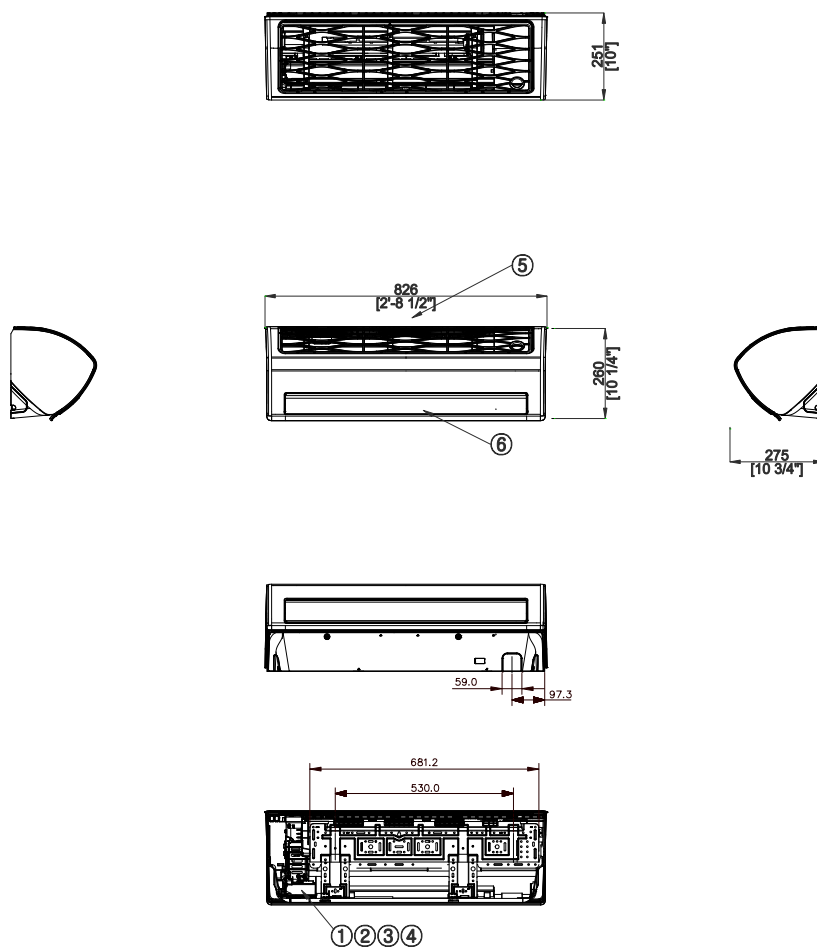


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

3 Dimensional drawing

AR 7000

AR18HSSDBWKNEU, AR24HSSDBWKNEU

Units : mm / inches

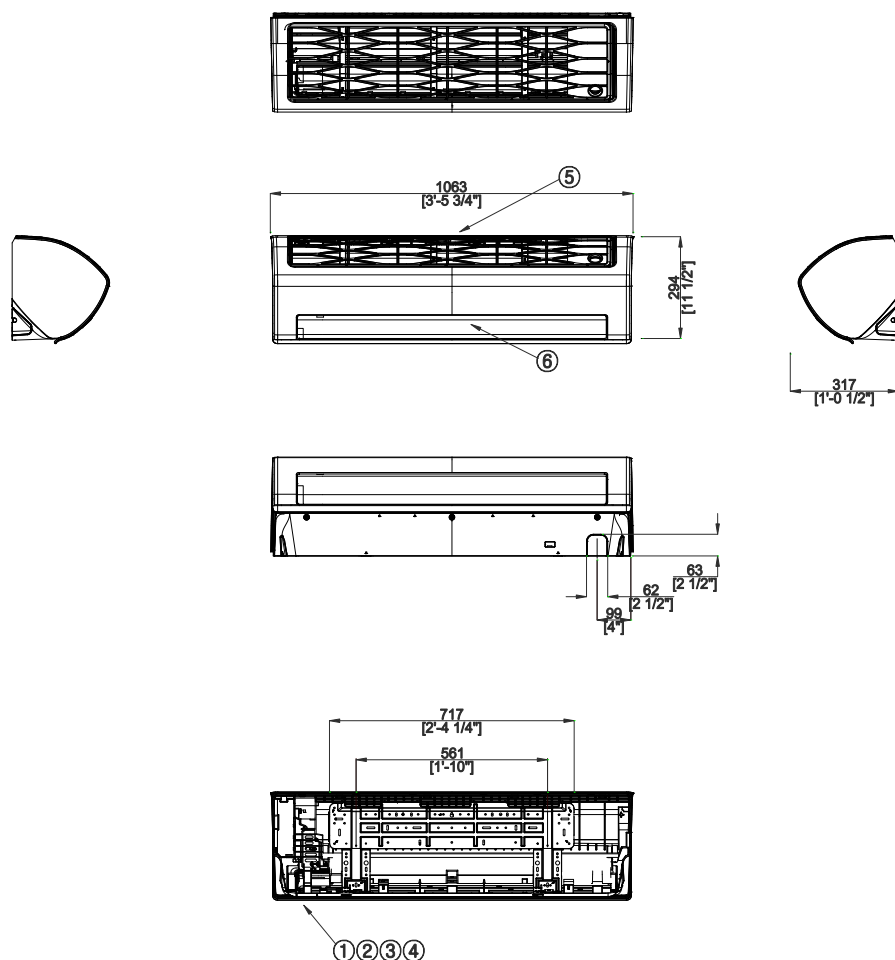


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

3 Dimensional drawing

AR 5000

AR07HSFNBWKNEU, AR09HSFNBWKNEU, AR12HSFNBWKNEU

Units : mm / inches

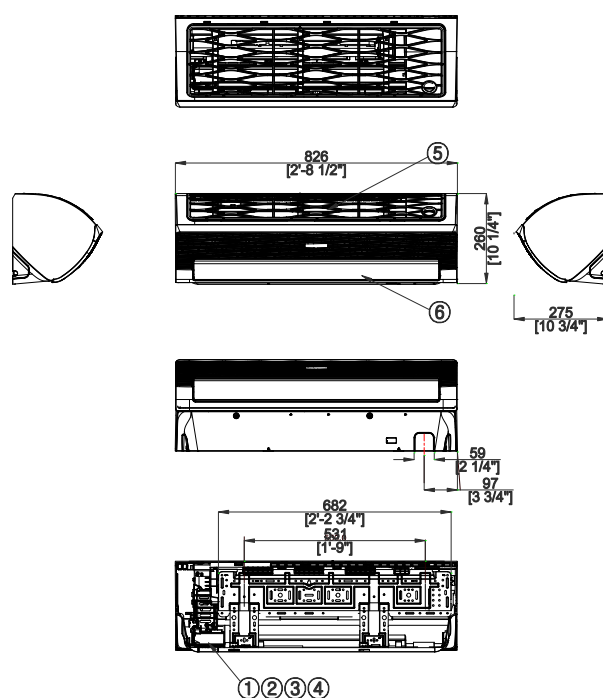


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

3 Dimensional drawing

AR 5000

AR07HSFSAWKNEU, AR09HSFSBWKNEU, AR12HSFSAWKNEU

Units : mm / inches

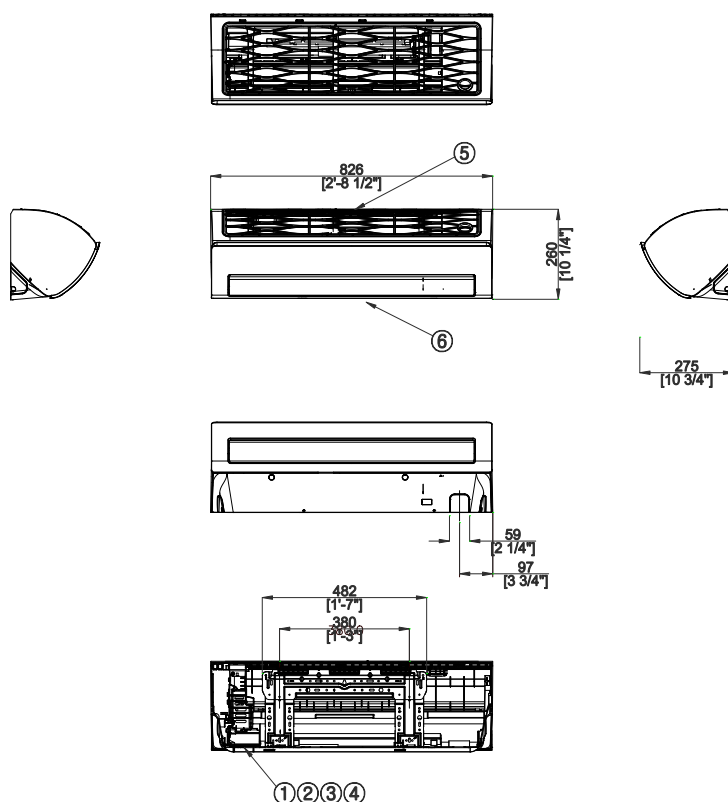


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

3 Dimensional drawing

AR 5000

AR18HSFNBWKNEU, AR24HSFNBWKNEU

Units : mm / inches

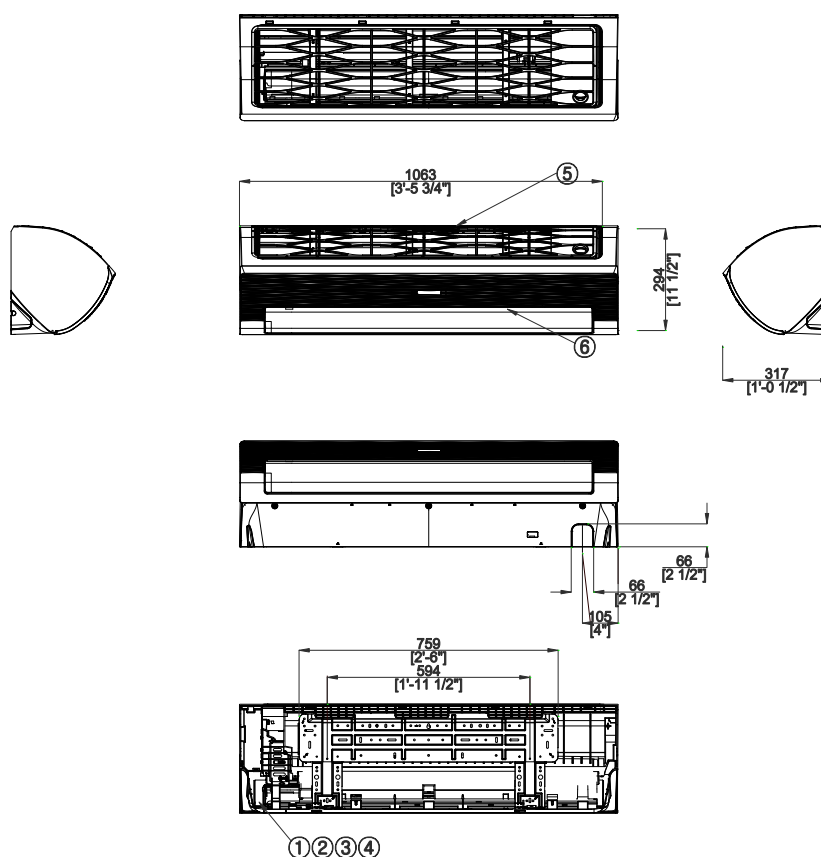


Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

3 Dimensional drawing

AR 5000

AR18HSFSAWKNEU, AR24HSFSAWKNEU

Units : mm / inches

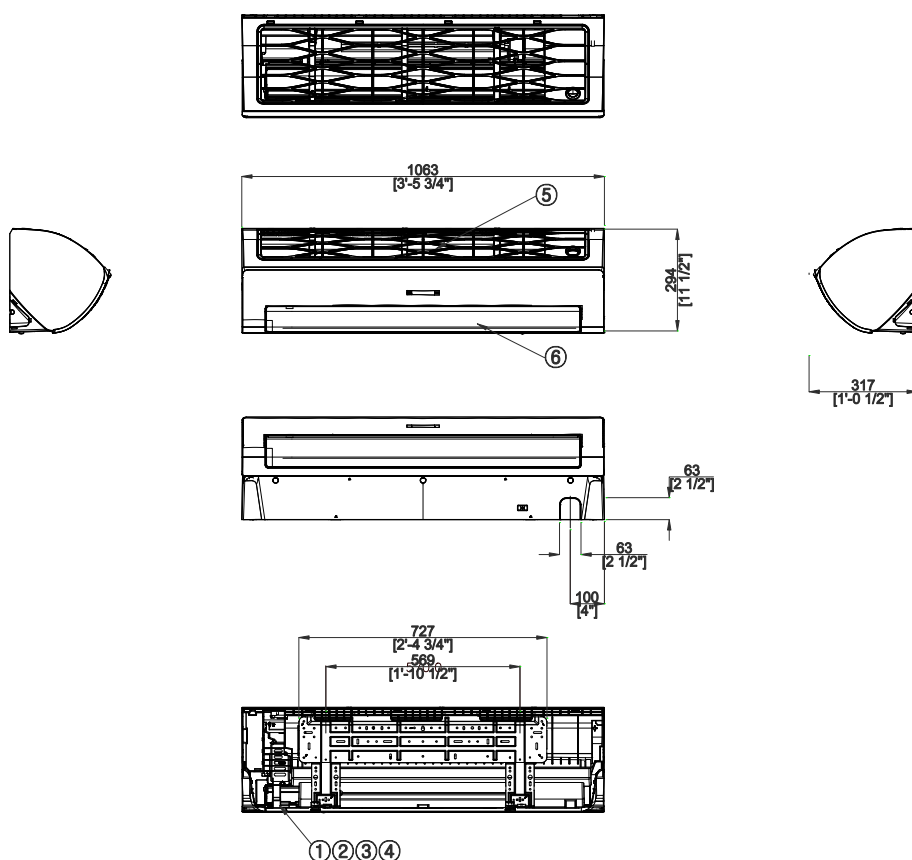


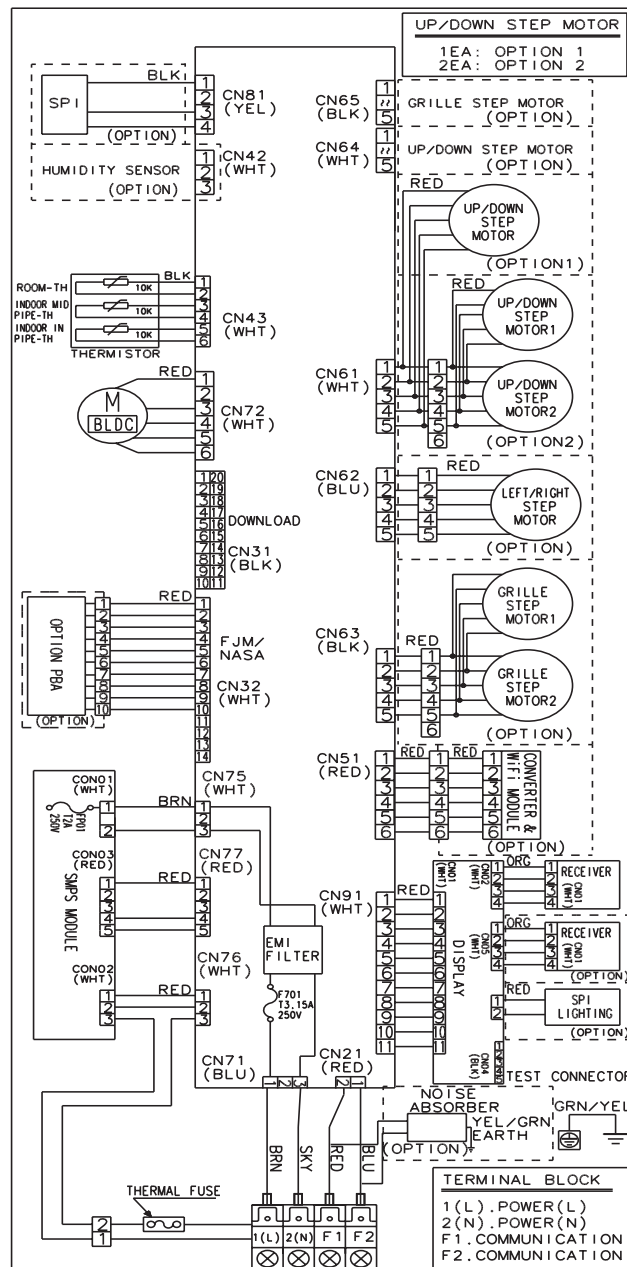
Table of descriptions

1	Refrigerant gas pipe	7	
2	Refrigerant liquid pipe	8	
3	Condensate drain	9	
4	Power & Comm. wiring conduits	10	
5	Air Inlet grille	11	
6	Air Outlet grille	12	

4 Electrical wiring diagram

AR 7000

AR07HSSDBWKNEU, AR09HSSDBWKNEU, AR12HSSDBWKNEU, AR18HSSDBWKNEU, AR24HSSDBWKNEU



• NOTE - THERMISTER MARK BASED ON THE TEMP 25°C

7-SEG	ERROR MODE			DESCRIPTION
	LED1 OPERATION	LED2 TIMER	LED3 OPTION	
E101, E102	○	○	○	Communication error (indoor <=> outdoor)
E121	○	○	○	ROOM TH sensor error
E122, E123	○	○	○	INDOOR MID, INDOOR IN PIPE-TH sensor error
E154	○	○	○	Fan error(indoor)
E162	○	○	○	EEPROM error
E163	○	○	○	Option error
FROM E200	○	○	○	Outdoor error display
E422	○	○	○	EEV or Valve Close error-Self diagnosis

○ : LAMP ON ○ : LAMP OFF ○ : LAMP BLINK

• Note •

If the Set doesn't work (No power), check the Thermal fuse of Terminal block OPEN or SHORT with Multimeter.

• Measure the Thermal fuse housing PIN#1 ~ 2 :
OPEN(disconnection) -> defective product

CODE NO:DB68-04014A

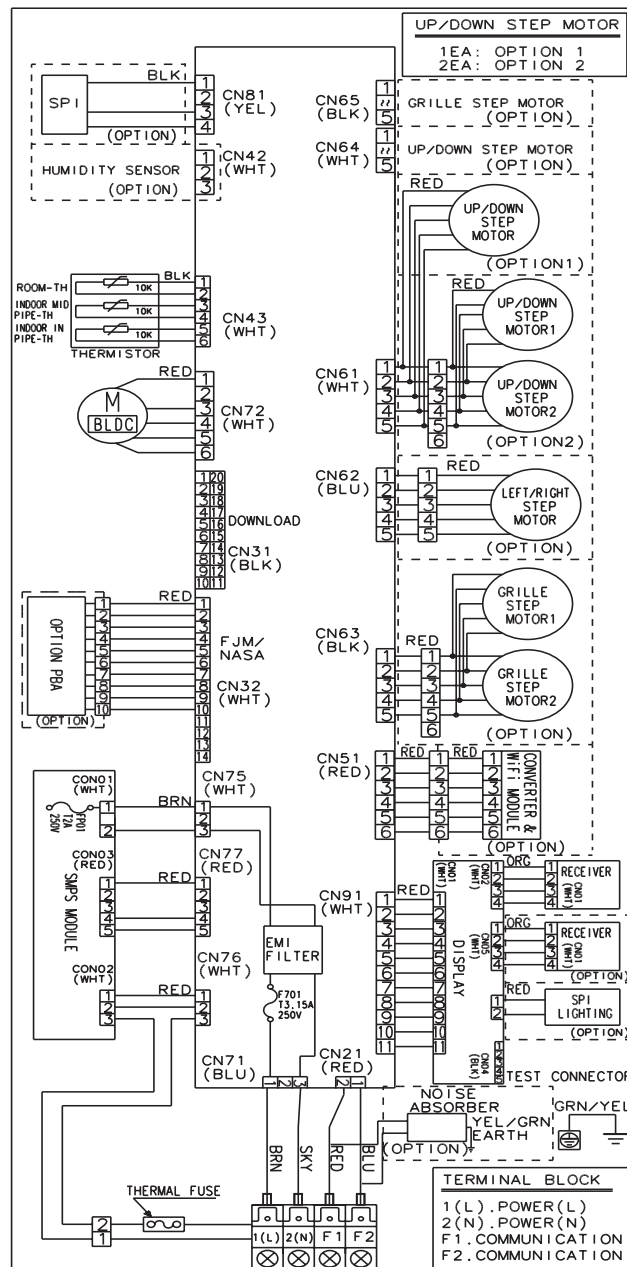
INDOOR-UNIT

4 Electrical wiring diagram

AR 5000

AR07HSFNBWKNEU, AR07HSFSAWKNEU, AR09HSFNBWKNEU, AR09HSFSBWKNEU, AR12HSFNBWKNEU, AR12HSFSAWKNEU, AR18HSFNBWKNEU

AR18HSFSAWKNEU, AR24HSFNBWKNEU, AR24HSFSAWKNEU



• NOTE - THERMISTOR MARK BASED ON THE TEMP 25°C

7-SEG	ERROR MODE			DESCRIPTION
	LED1 OPERATION	LED2 TIMER	LED3 OPTION	
E101, E102	○	○	○	Communication error (indoor <-> outdoor)
E121	○	○	○	ROOM TH sensor error
E122, E123	○	○	○	INDOOR MID, INDOOR IN PIPE-TH sensor error
E154	○	○	○	Fan error(indoor)
E162	○	○	○	EEPROM error
E163	○	○	○	Option error
FROM E200	○	○	○	Outdoor error display
E422	○	○	○	EEV or Valve Close error-Self diagnosis

○ : LAMP ON ○ : LAMP OFF ○ : LAMP BLINK

• Note •

If the Set doesn't work (No power), check the Thermal fuse of Terminal block OPEN or SHORT with Multimeter.

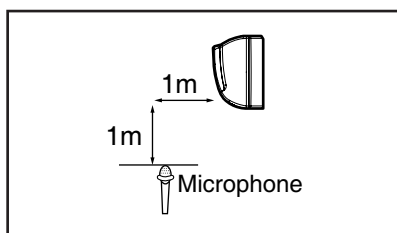
• Measure the Thermal fuse housing PIN#1 ~ 2 :
OPEN(disconnection) -> defective product

CODE NO:DB68-04014A

INDOOR-UNIT

5 Sound pressure level

AR 7000



Unit: dB(A)

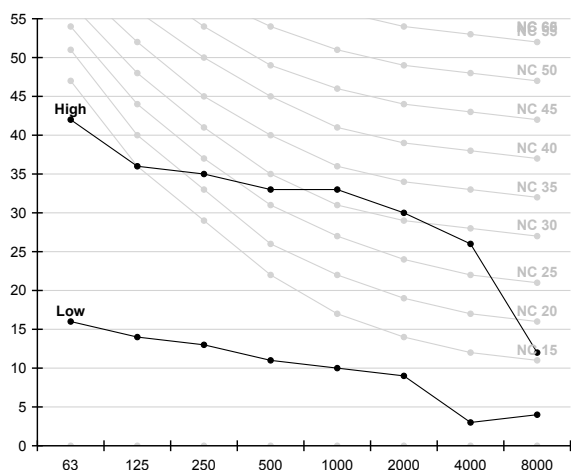
Model	High	Low
AR07HSSDBWKNEU	38.0	-
AR09HSSDBWKNEU	38.0	-
AR12HSSDBWKNEU	39.0	-
AR18HSSDBWKNEU	42.0	-

Note

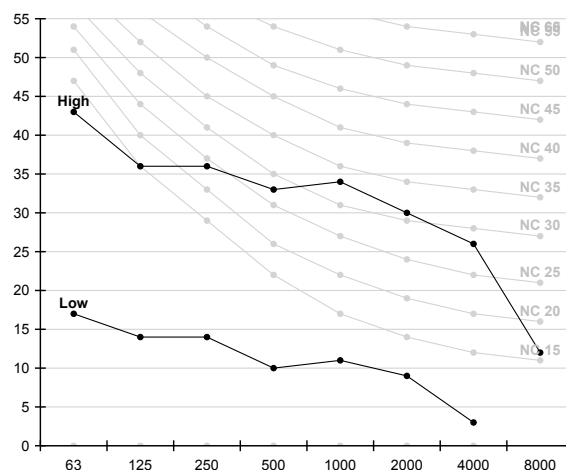
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

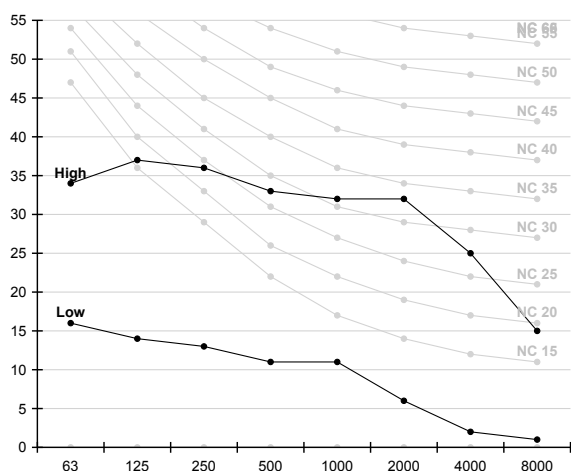
1) AR07HSSDBWKNEU



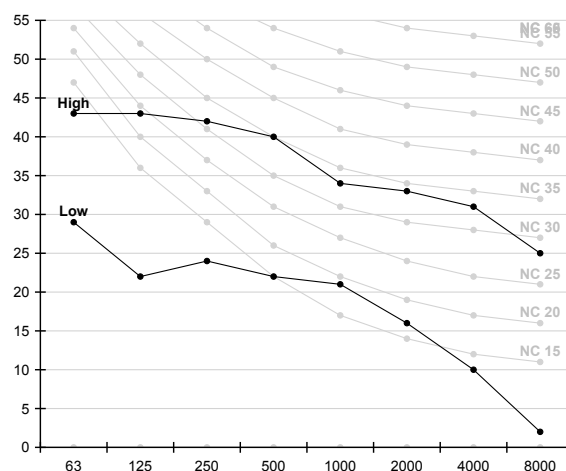
2) AR09HSSDBWKNEU



3) AR12HSSDBWKNEU

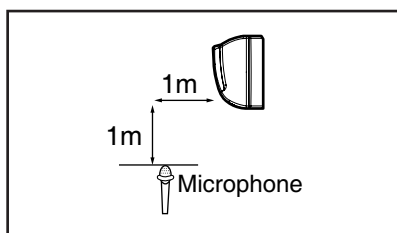


4) AR18HSSDBWKNEU



5 Sound pressure level

AR 7000



Unit: dB(A)

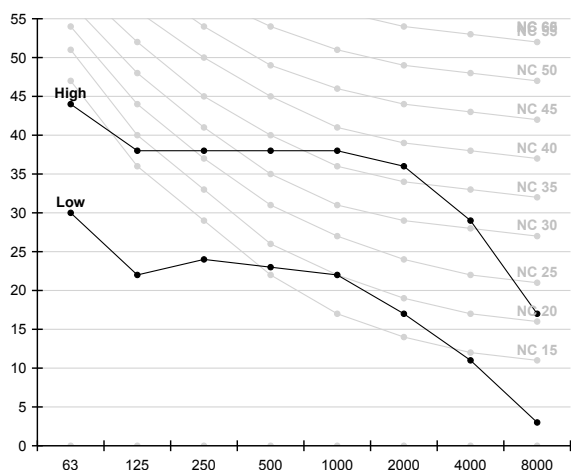
Model	High	Low
AR24HSSDBWKNEU	43.0	-

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.

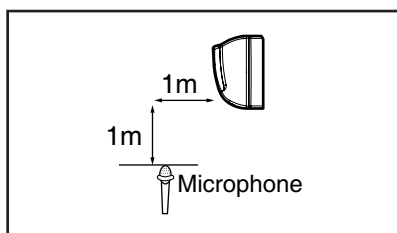
NC curve

1) AR24HSSDBWKNEU



5 Sound pressure level

AR 5000



Unit: dB(A)

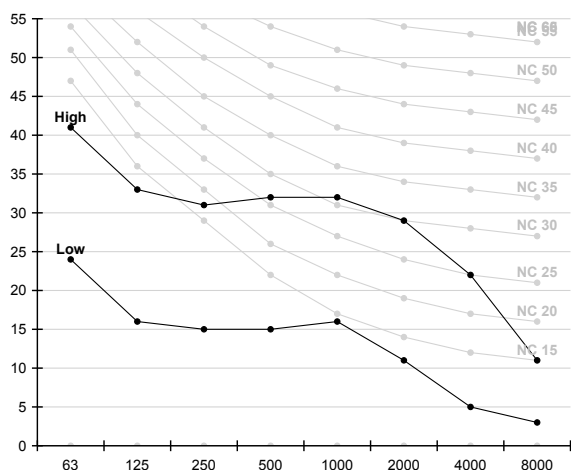
Model	High	Low
AR07HSFNBWKNEU	36.0	-
AR07HSFSAWKNEU	36.0	-
AR09HSFNBWKNEU	36.0	-
AR09HSFSBWKNEU	36.0	-

Note

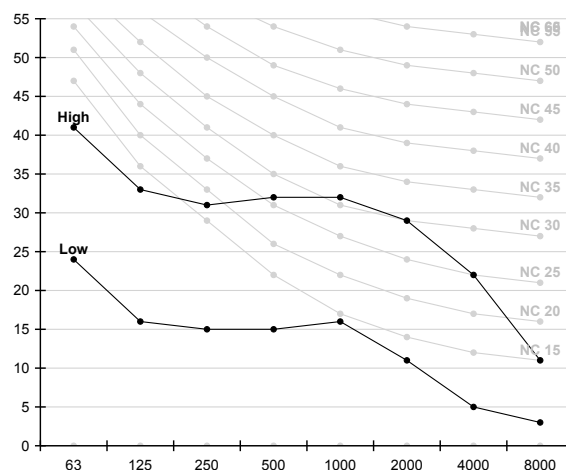
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

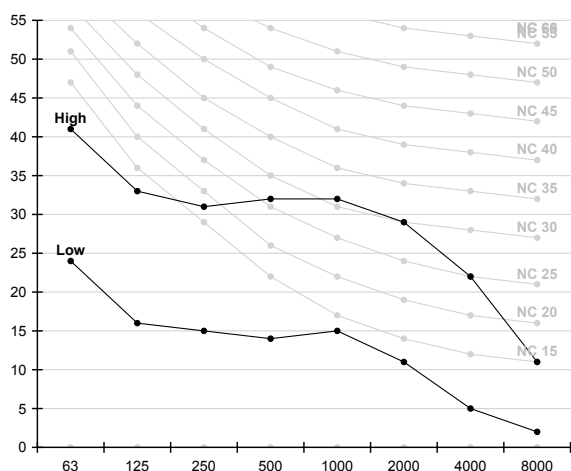
1) AR07HSFNBWKNEU



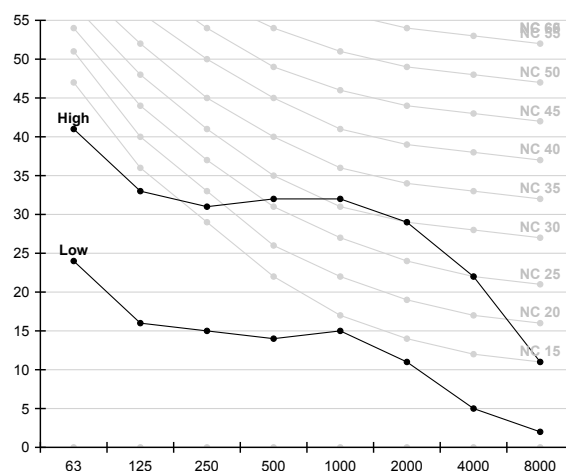
2) AR07HSFSAWKNEU



3) AR09HSFNBWKNEU

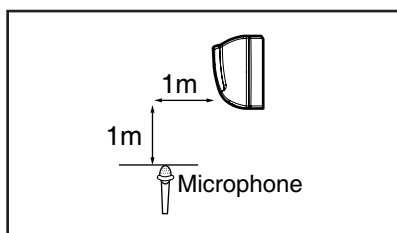


4) AR09HSFSBWKNEU



5 Sound pressure level

AR 5000



Unit: dB(A)

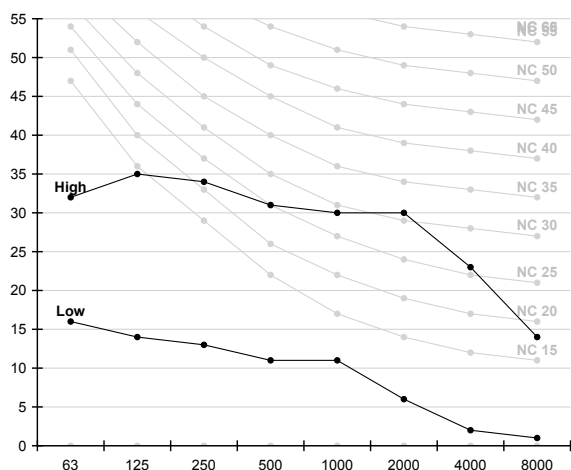
Model	High	Low
AR12HSFNBWKNEU	37.0	-
AR12HSFSAWKNEU	37.0	-
AR18HSFNBWKNEU	41.0	-
AR18HSFSAWKNEU	41.0	-

Note

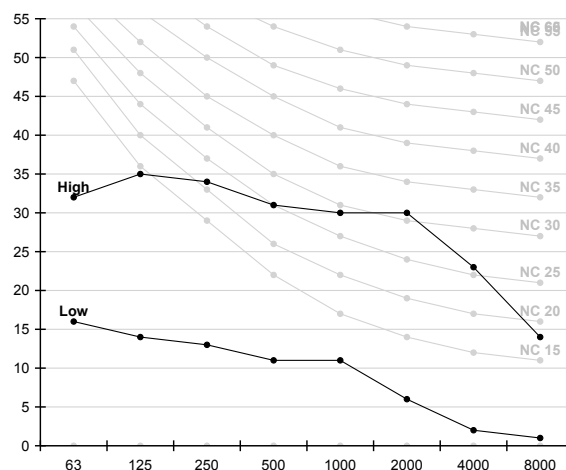
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

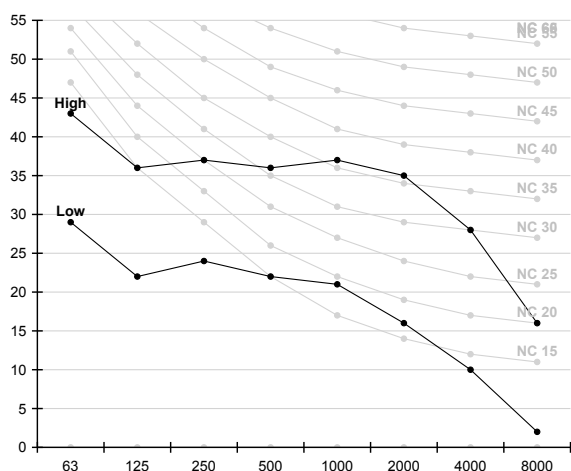
1) AR12HSFNBWKNEU



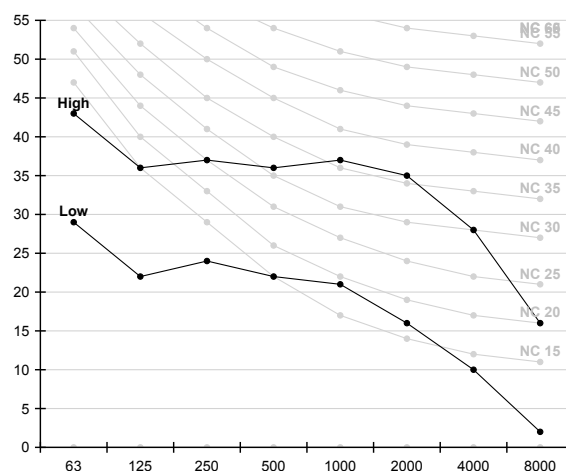
2) AR12HSFSAWKNEU



3) AR18HSFNBWKNEU

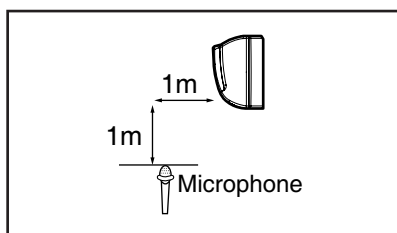


4) AR18HSFSAWKNEU



5 Sound pressure level

AR 5000



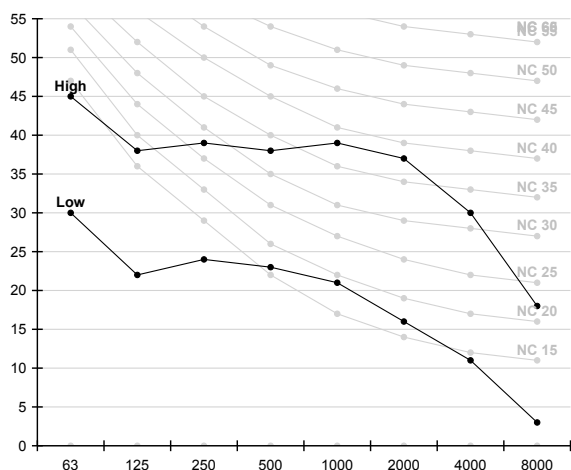
Model	Unit: dB(A)	
	High	Low
AR24HSFNBWKNEU	43.0	-
AR24HSFSAWKNEU	43.0	-

Note

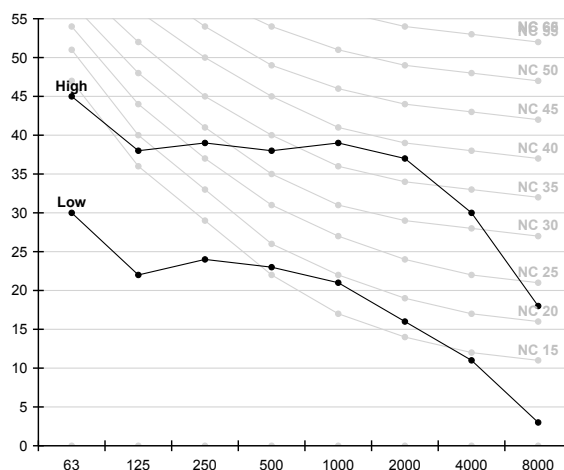
- Measuring place: Anechoic chamber (conversion value)
- These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient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

NC curve

1) AR24HSFNBWKNEU



2) AR24HSFSAWKNEU



6 Sound power level

AR 7000

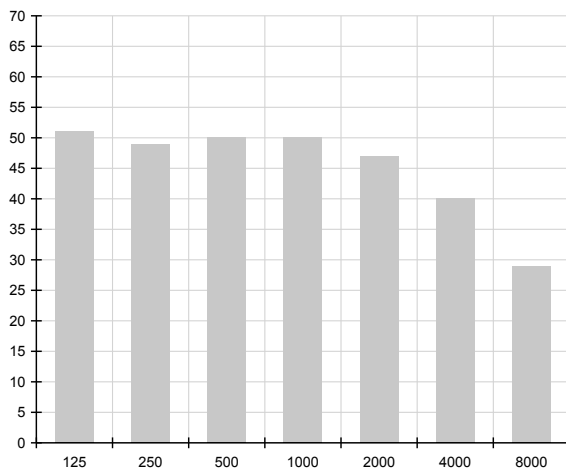
Note

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

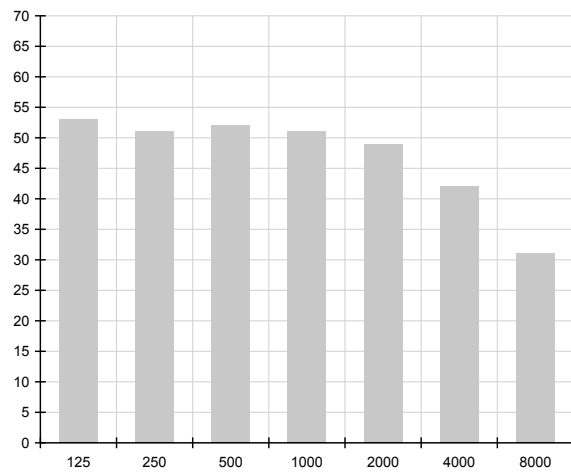
Unit: dB(A)

Model	Power
AR07HSSDBWKNEU	56.0
AR09HSSDBWKNEU	56.0
AR12HSSDBWKNEU	58.0
AR18HSSDBWKNEU	58.0

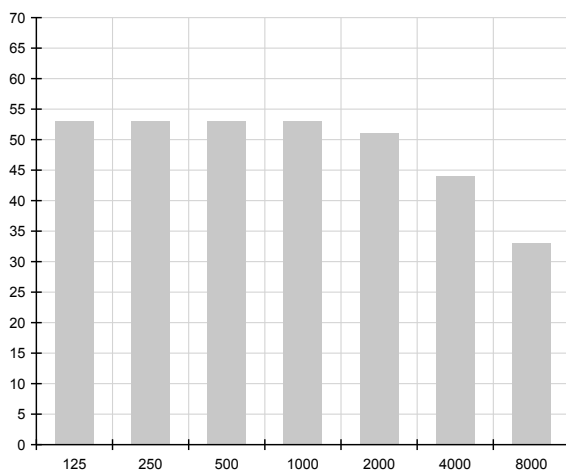
1)AR07HSSDBWKNEU



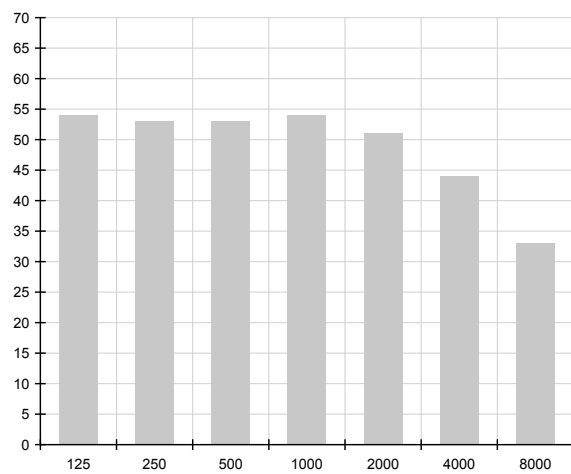
2)AR09HSSDBWKNEU



3)AR12HSSDBWKNEU



4)AR18HSSDBWKNEU



6 Sound power level

AR 7000

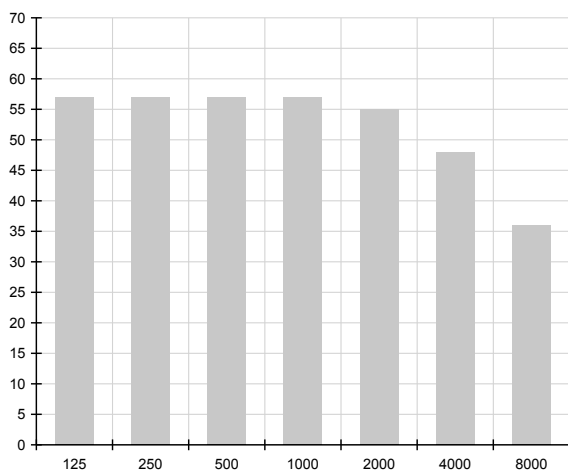
Note

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

Unit: dB(A)

Model	Power
AR24HSSDBWKNEU	62.0

1)AR24HSSDBWKNEU



6 Sound power level

AR 5000

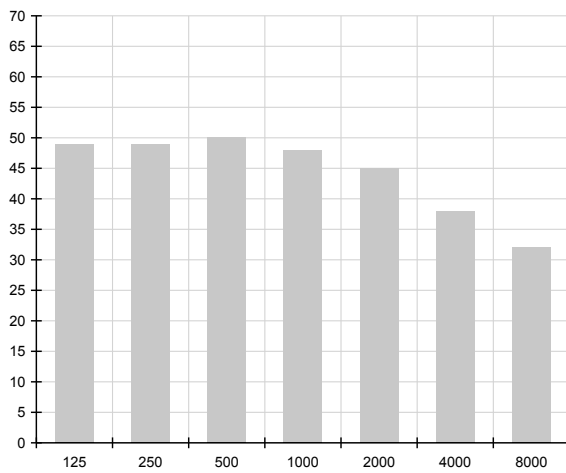
Note

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

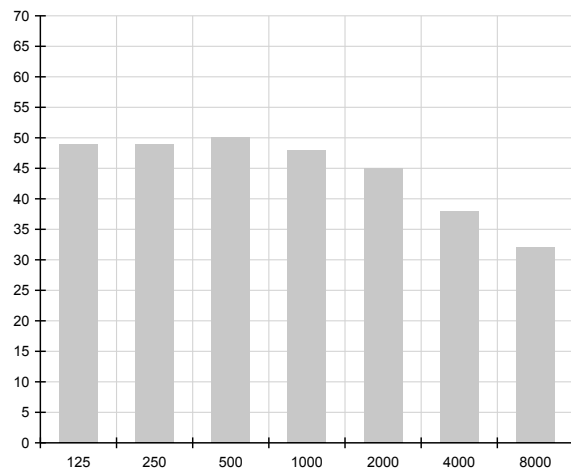
Unit: dB(A)

Model	Power
AR07HSFNBWKNEU	54.0
AR07HSFSAWKNEU	54.0
AR09HSFNBWKNEU	54.0
AR09HSFSBWKNEU	54.0

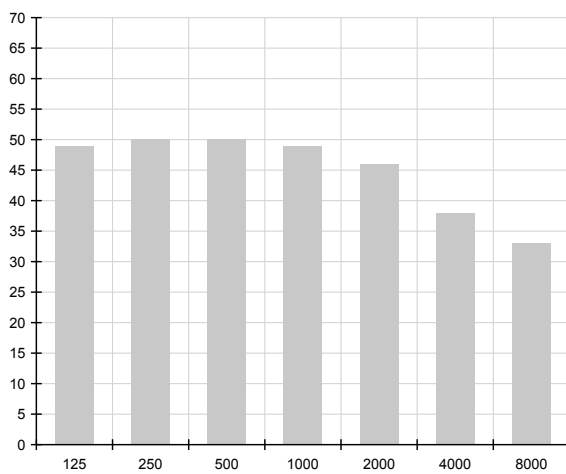
1)AR07HSFNBWKNEU



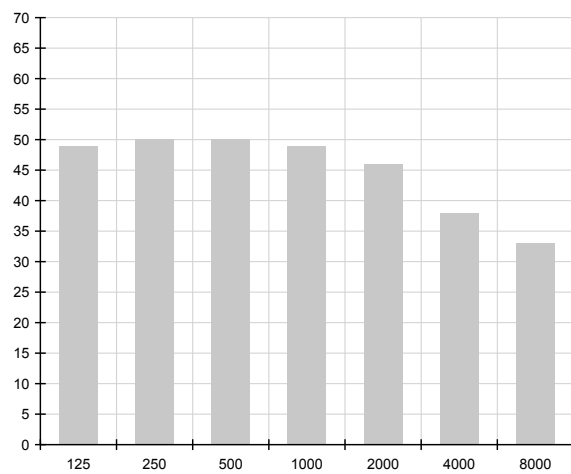
2)AR07HSFSAWKNEU



3)AR09HSFNBWKNEU



4)AR09HSFSBWKNEU



6 Sound power level

AR 5000

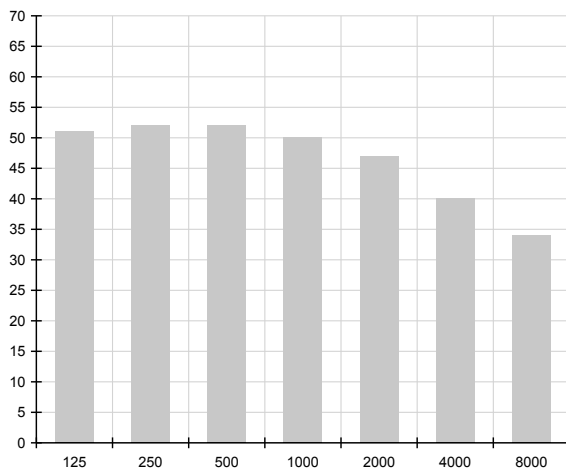
Note

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

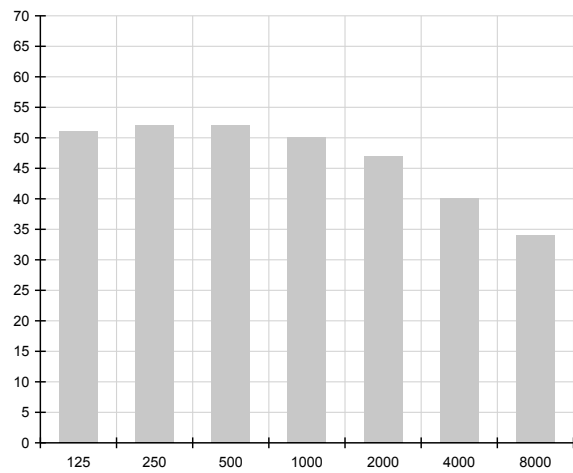
Unit: dB(A)

Model	Power
AR12HSFNBWKNEU	56.0
AR12HSFSAWKNEU	56.0
AR18HSFNBWKNEU	58.0
AR18HSFSAWKNEU	58.0

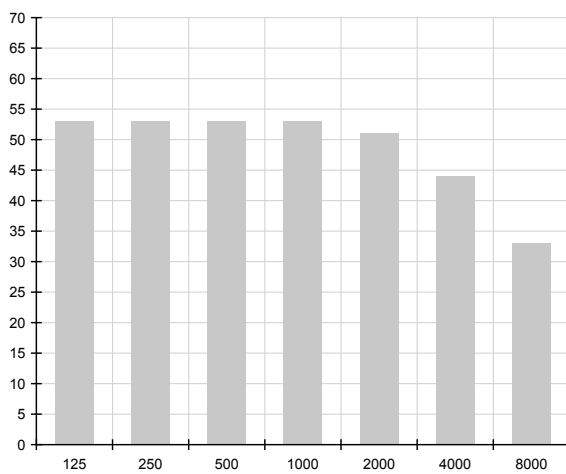
1)AR12HSFNBWKNEU



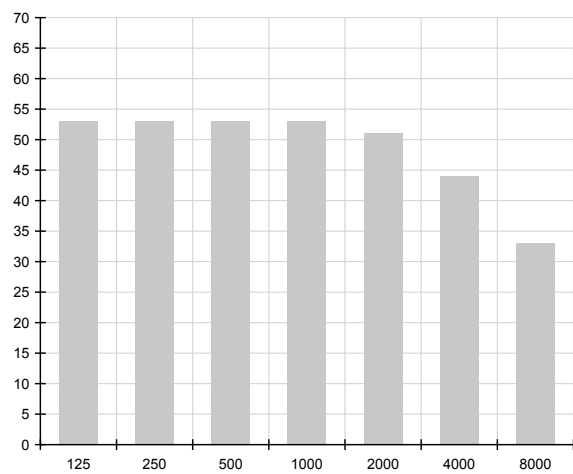
2)AR12HSFSAWKNEU



3)AR18HSFNBWKNEU



4)AR18HSFSAWKNEU



6 Sound power level

AR 5000

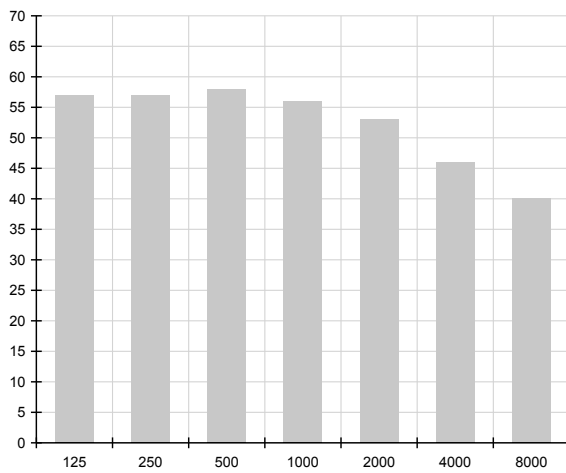
Note

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

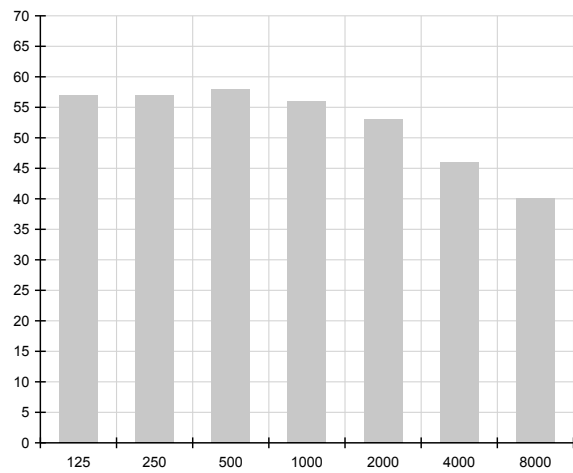
Unit: dB(A)

Model	Power
AR24HSFNBWKNEU	62.0
AR24HSFSAWKNEU	62.0

1)AR24HSFNBWKNEU



2)AR24HSFSAWKNEU





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