

7. Sound Data

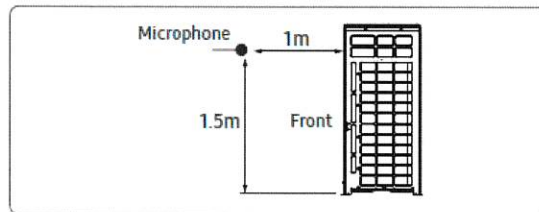
Summary

Capacity		Model Name	Sound Pressure dB(A)		Sound Power dB(A)
HP	kW		Cooling	Heating	
8	22.4	AM080AXVGGR/EU	53	58	75
10	28.0	AM100AXVGGR/EU	56	60	78
12	33.6	AM120AXVGGR/EU	61	63	81
14	40.0	AM140AXVGGR/EU	58	61	81
16	45.0	AM160AXVGGR/EU	58	61	81
18	50.4	AM180AXVGGR/EU	59	63	81
20	56.0	AM200AXVGGR/EU	61	63	84
22	61.6	AM220AXVGGR/EU	64	65	86
24	67.2	AM240AXVGGR/EU	65	67	87
26	72.8	AM260AXVGGR/EU	65	67	87
28	78.4	AM280AXVGGR1EU	61	65	83
30	84.0	AM300AXVGGR1EU	62	65	85
32	89.6	AM320AXVGGR1EU	65	68	87
34	95.2	AM340AXVGGR1EU	66	68	88
36	100.8	AM360AXVGGR1EU	66	68	88
38	106.4	AM380AXVGGR1EU	66	68	88
40	112.0	AM400AXVGGR1EU	64	66	87
42	117.6	AM420AXVGGR1EU	66	68	88
44	123.2	AM440AXVGGR1EU	66	68	89
46	128.8	AM460AXVGGR1EU	66	68	89
48	134.4	AM480AXVGGR1EU	68	70	90
50	140.0	AM500AXVGGR1EU	68	70	90
52	145.6	AM520AXVGGR1EU	68	70	90
54	151.2	AM540AXVGGR1EU	67	69	89
56	156.8	AM560AXVGGR1EU	67	69	89
58	162.4	AM580AXVGGR1EU	68	70	90
60	168.0	AM600AXVGGR1EU	68	70	90
62	173.6	AM620AXVGGR1EU	68	70	90
64	179.2	AM640AXVGGR1EU	69	71	91
66	184.8	AM660AXVGGR1EU	69	71	91
68	190.4	AM680AXVGGR1EU	69	71	91
70	196.0	AM700AXVGGR1EU	69	71	91
72	201.6	AM720AXVGGR1EU	70	72	92
74	207.2	AM740AXVGGR1EU	70	72	92
76	212.8	AM760AXVGGR1EU	70	72	92
78	218.4	AM780AXVGGR1EU	70	72	92
80	224.0	AM800AXVGGR1EU	69	71	91
82	229.6	AM820AXVGGR1EU	70	72	92
84	235.2	AM840AXVGGR1EU	70	72	92
86	240.8	AM860AXVGGR1EU	70	72	92
88	246.4	AM880AXVGGR1EU	70	72	92
90	252.0	AM900AXVGGR1EU	70	72	92
92	257.6	AM920AXVGGR1EU	70	72	92
94	263.2	AM940AXVGGR1EU	70	72	92
96	268.8	AM960AXVGGR1EU	71	73	93
98	274.4	AM980AXVGGR1EU	71	73	93

7. Sound Data

Sound Pressure level

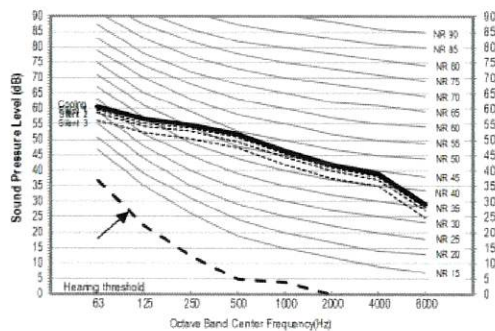
Unit: dB(A)



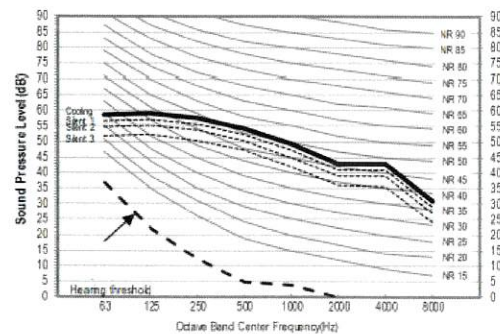
Model	Cooling	Silent 1	Silent 2	Silent 3
AM080AXVGGR/EU	53	52	51	49
AM100AXVGGR/EU	56	54	52	49
AM120AXVGGR/EU	61	59	54	49
AM140AXVGGR/EU	58	57	55	49

• NR Curve

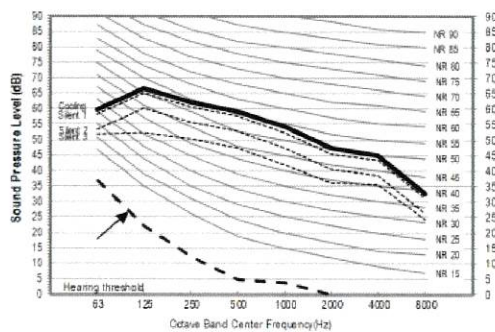
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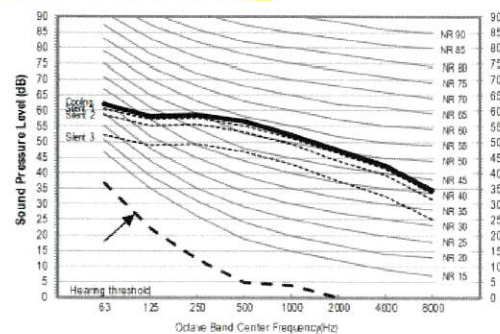
2) AM100AXVGGR/EU



3) AM120AXVGGR/EU



4) AM140AXVGGR/EU

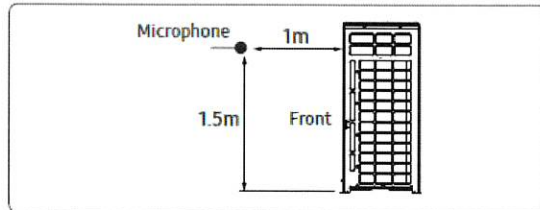


NOTE

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

7. Sound Data

Sound Pressure level

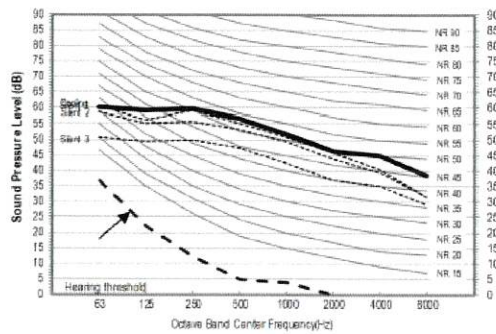


Unit: dB(A)

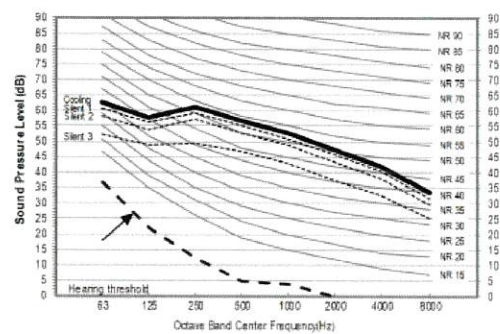
Model	Cooling	Silent 1	Silent 2	Silent 3
AM160AXVGGR/EU	58	57	55	49
AM180AXVGGR/EU	59	57	55	49
AM200AXVGGR/EU	61	57	55	49
AM220AXVGGR/EU	64	61	56	49

• NR Curve

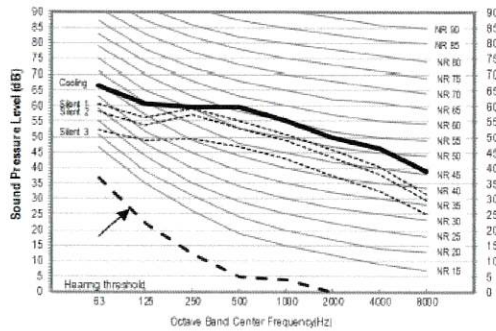
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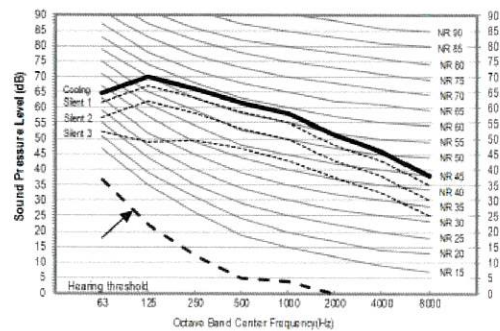
2) AM180AXVGGR/EU



3) AM200AXVGGR/EU



4) AM220AXVGGR/EU



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7. Sound Data

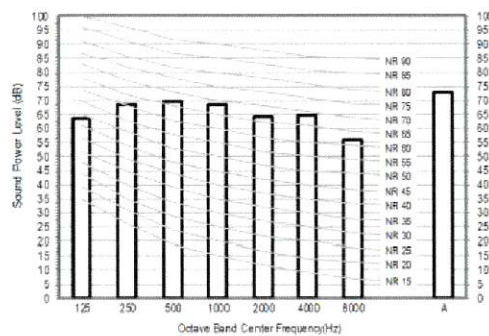
Sound Power level

Unit: dB(A)

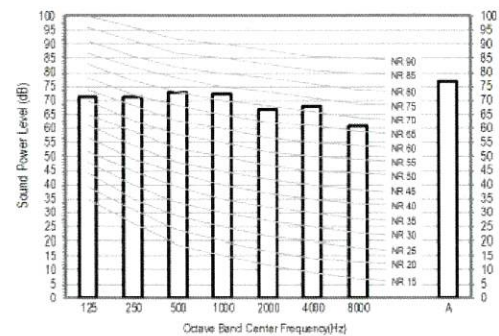
Model	Power
AM080AXVGGR/EU	75
AM100AXVGGR/EU	78
AM120AXVGGR/EU	81
AM140AXVGGR/EU	81

• NR Curve

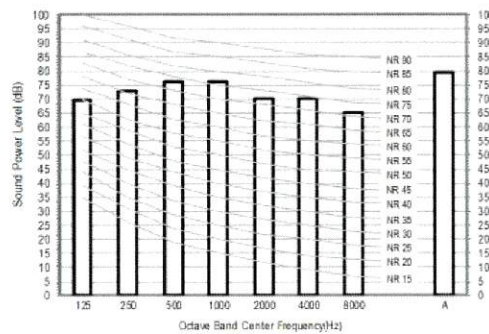
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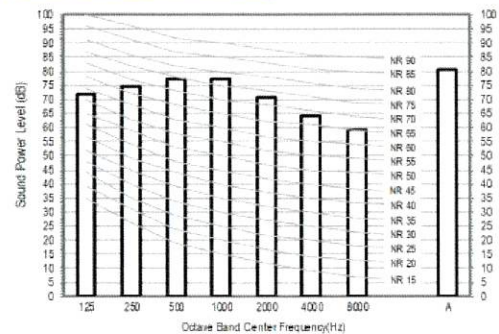
2) AM100AXVGGR/EU



3) AM120AXVGGR/EU



4) AM140AXVGGR/EU



NOTE

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 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

7. Sound Data

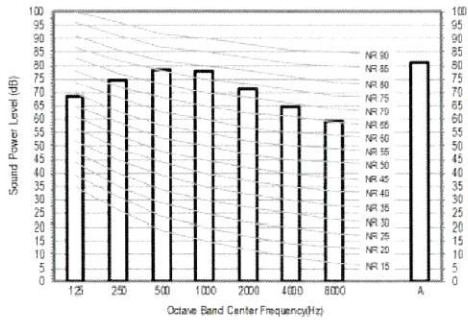
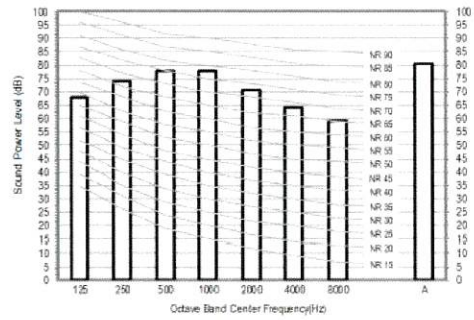
Sound Power level

Unit: dB(A)

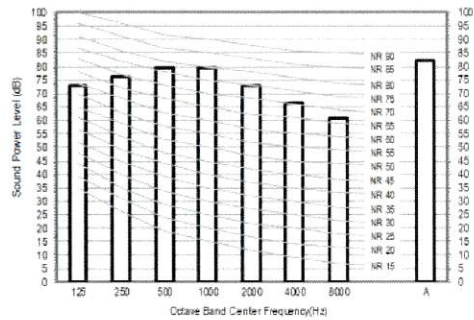
Model	Power
.....	81
.....	81
.....	84
.....	86

• NR Curve

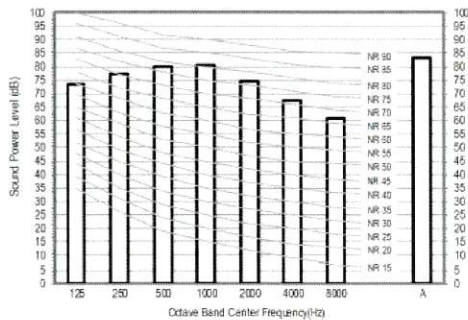
..... 2)



3)



4)

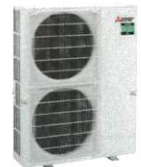


NOTE

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

Air Conditioning Product Information

R32



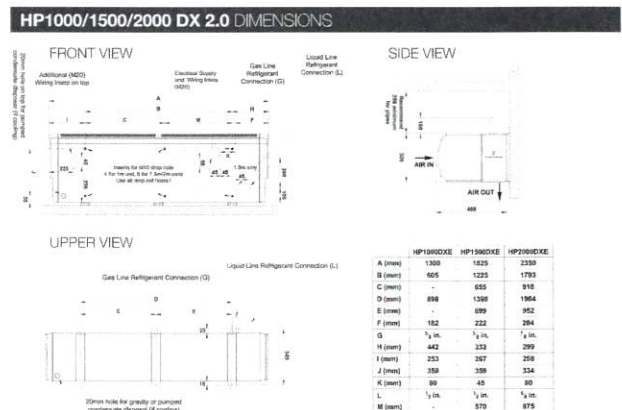
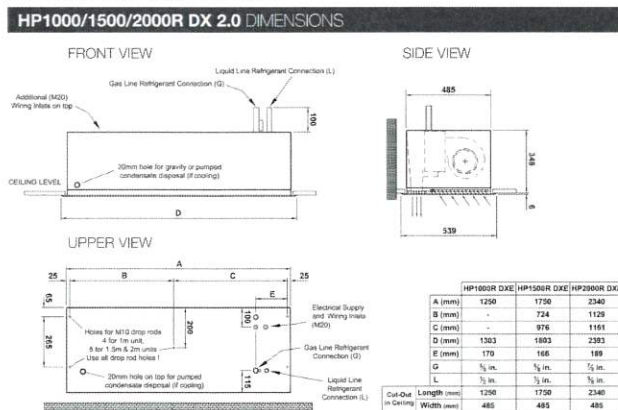
HP DX 2.0 R32 Air Curtain System Power Inverter Heat Pump

HP DX 2.0 - RECESSED		HP1000R DX 2.0	HP1500R DX 2.0	HP1500R DX 2.0	HP2000R DX 2.0	HP2000R DX 2.0	HP2000R DX 2.0
CAPACITY (kW)	Heating (nominal)	8.3	13.2	13.2	15.7	15.7	21.0
	Cooling (nominal)	7.4	11.8	11.8	14.0	14.0	18.7
AIRFLOW MAX (l/s)		364	575	575	720	720	720
SOUND PRESSURE LEVEL AT 3m (dBA)	Lo-Mid-Hi	47-54-57	45-52-56	45-52-56	47-54-57	47-54-57	47-54-57
WEIGHT (kg)		52	75	75	93	93	93
DIMENSIONS (mm) (inc. grille)	Width x Depth x Height	1250 (1303) x 485 (539) x 348	1750 (1803) x 485 (539) x 348	1750 (1803) x 485 (539) x 348	2340 (2393) x 485 (539) x 348	2340 (2393) x 485 (539) x 348	2340 (2393) x 485 (539) x 348
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)		0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores		3	3	3	3	3	3
UNIFORMITY AT OUTLET (%) ¹		90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2	3.2	3.2

HP DX 2.0 - FREE STANDING		HP1000 DX 2.0	HP1500 DX 2.0	HP1500 DX 2.0	HP2000 DX 2.0	HP2000 DX 2.0	HP2000 DX 2.0
CAPACITY (kW)	Heating (nominal)	8.3	13.2	13.2	15.7	15.7	21.0
	Cooling (nominal)	7.4	11.8	11.8	14.0	14.0	18.7
AIRFLOW MAX (l/s)		364	575	575	720	720	720
SOUND PRESSURE LEVEL AT 3m (dBA)	Lo-Mid-Hi	47-54-57	45-52-56	45-52-56	47-54-57	47-54-57	47-54-57
WEIGHT (kg)		46	67	67	84	84	84
DIMENSIONS (mm)	Width x Depth x Height	1300 x 468 x 306	1825 x 468 x 306	1825 x 468 x 306	2350 x 468 x 306	2350 x 468 x 306	2350 x 468 x 306
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz	220-240V, 50Hz
PHASE		Single	Single	Single	Single	Single	Single
RUNNING CURRENT (A)		0.8	1.2	1.2	1.4	1.4	1.4
MAINS CABLE No. Cores		3	3	3	3	3	3
UNIFORMITY AT OUTLET (%) ¹		90	92	92	90	90	90
MAX MOUNTING HEIGHT (m)		3.2	3.2	3.2	3.2	3.2	3.2

HEAT PUMP OUTDOOR UNITS		PUZ-ZM71VHA2	PUZ-ZM125VKA2	PUZ-ZM125VKA2 ③	PUZ-ZM140VKA2	PUZ-ZM140VKA2 ③	PUZ-ZM200VKA2 ③
SOUND PRESSURE LEVEL (dBA)	Heating/Cooling	49 / 47	52 / 50	52 / 50	52 / 50	52 / 50	62 / 59
	Cooling	67	70	70	70	70	77
SOUND POWER LEVEL (dBA)		67	105	114	105	118	137
WEIGHT (kg)		67	105	114	105	118	137
DIMENSIONS (mm)	Width x Depth x Height	950 x 330 x 25 x 943	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338	1050 x 330 x 40 x 1338
ELECTRICAL SUPPLY		220-240V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	380-415V, 50Hz
PHASE		Single	Single	Three	Single	Three	Three
STARTING CURRENT (A)		5.3	13.2	3.3	13.2	3.3	5.0
SYSTEM RUNNING CURRENT (A)	Heating/Cooling [MAX]	7.79 / 7.06 [19.3]	15.77 / 14.53 [27.0]	5.32 / 4.89 [10.0]	18.41 / 15.88 [28.7]	6.23 / 5.37 [13.7]	9.57 / 8.58 [22.5]
FUSE RATING (BS88) - HRC (A)		25	32	16	40	16	25
INTERCONNECTING CABLE		2 Core	2 Core	2 Core	2 Core	2 Core	2 Core
MAX PIPE LENGTH (m)		55	85	85	85	85	85
MAX HEIGHT DIFFERENCE (m)		30	30	30	30	30	30
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		2.80 / 1.89 (30m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	3.60 / 2.43 (40m)	6.3 / 4.25 (30m)
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (t) - R32 (GWP 675)		0.80 / 0.54	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.40 / 1.62	2.20 / 1.49

③ Three Phase Note: *1 Tested to ISO 27327.



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IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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Note: Refer to "Installation Manual" and "Instruction Book" for further "Technical Information". The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of April 2023



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2. Outdoor Units

2-6. Sound data

Summary

Capacity (kW)	Model	Sound Pressure dB(A)		Sound Power dB(A)
		Cooling	Heating	Heating
8.0	AE080BXYDEG/EU	42	42	56
12.0	AE120BXYDEG/EU	46	46	59
14.0	AE140BXYDEG/EU	47	47	60
8.0	AE080BXYDGG/EU	42	42	56
12.0	AE120BXYDGG/EU	46	46	59
14.0	AE140BXYDGG/EU	47	47	60

NOTE

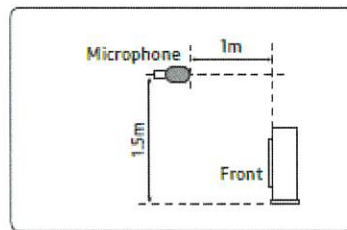
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- Sound Pressure Level
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 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa
- Sound Power Level
 - Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

2. Outdoor Units

2-6. Sound data

Sound Pressure level

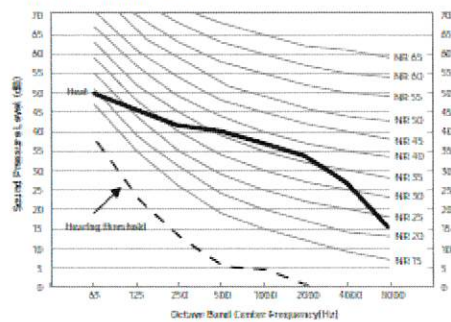
Unit: dB(A)



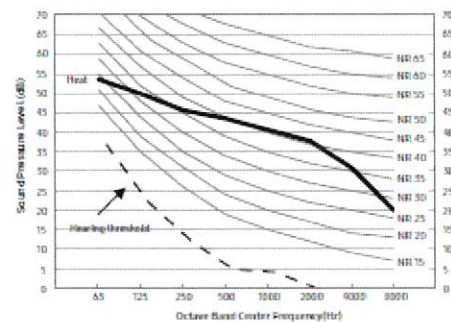
Model	Cooling	Heating
AE080BXYDEG/EU	42	42
AE120BXYDEG/EU	46	46
AE140BXYDEG/EU	47	47

NR Curve

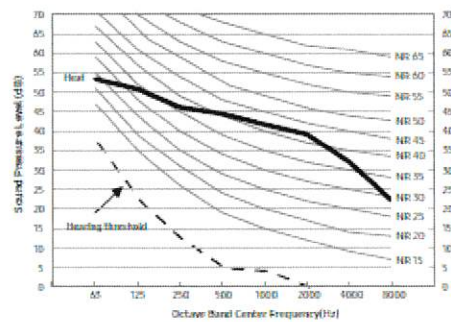
1) AE080BXYDEG/EU



2) AE120BXYDEG/EU



3) AE140BXYDEG/EU



2. Outdoor Units

2-6. Sound data

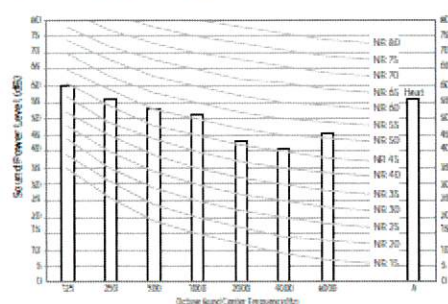
Sound Power level

NOTE

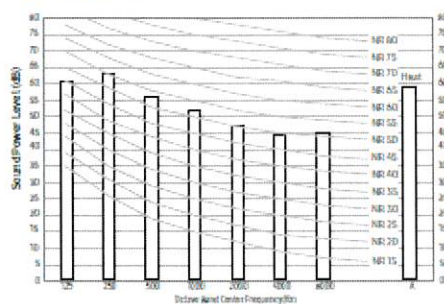
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- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

Model	Power (dBA)
AE080BXYDEG/EU	56
AE120BXYDEG/EU	59
AE140BXYDEG/EU	60

1) AE080BXYDEG/EU



2) AE120BXYDEG/EU



3) AE140BXYDEG/EU

