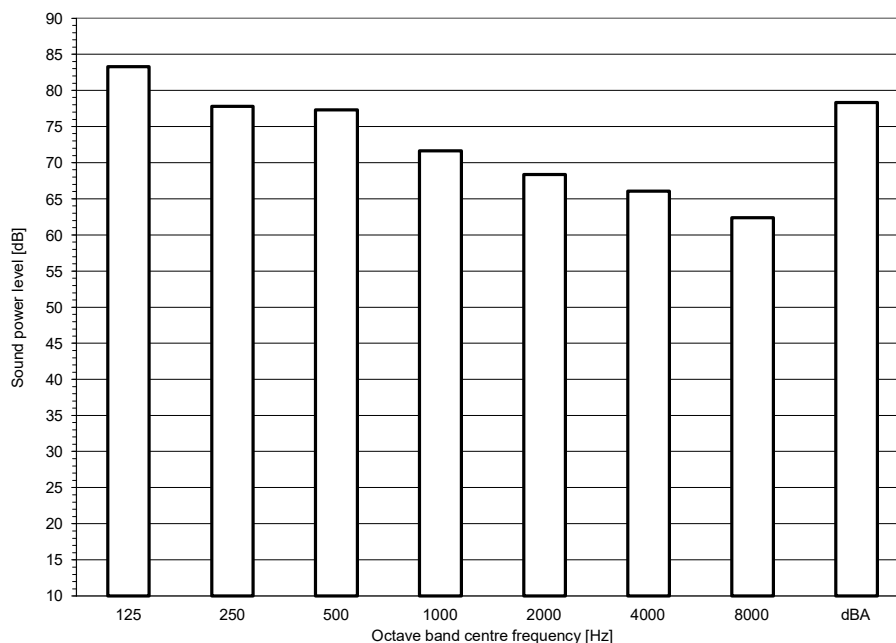


11 Sound data

11 - 1 Sound Power Spectrum - Cooling

RXYA8A
RYMA5A

Cooling
Sound power



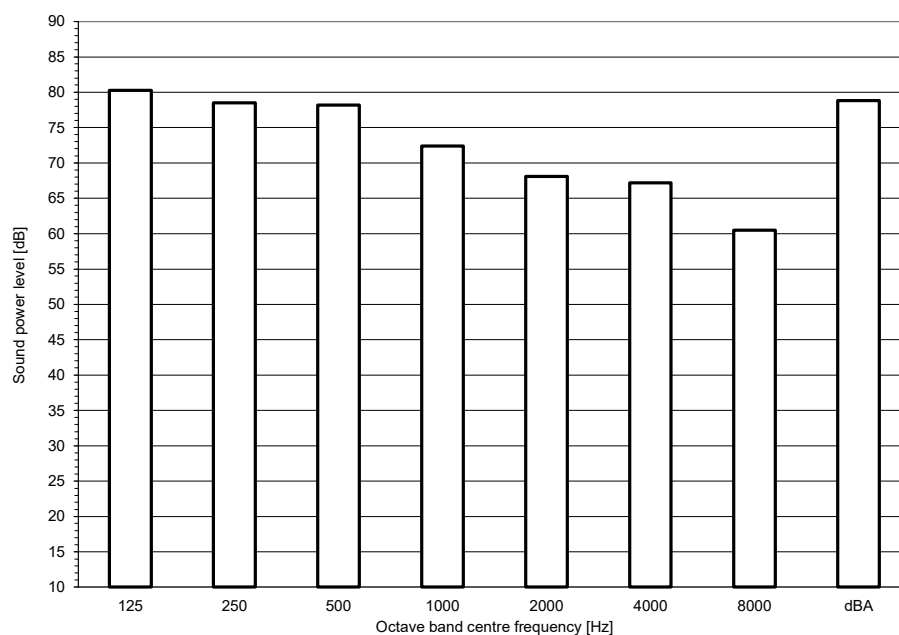
Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W/m².
- Measured according to ISO 3744

4D150004

RXYA10A

Cooling
Sound power



Notes

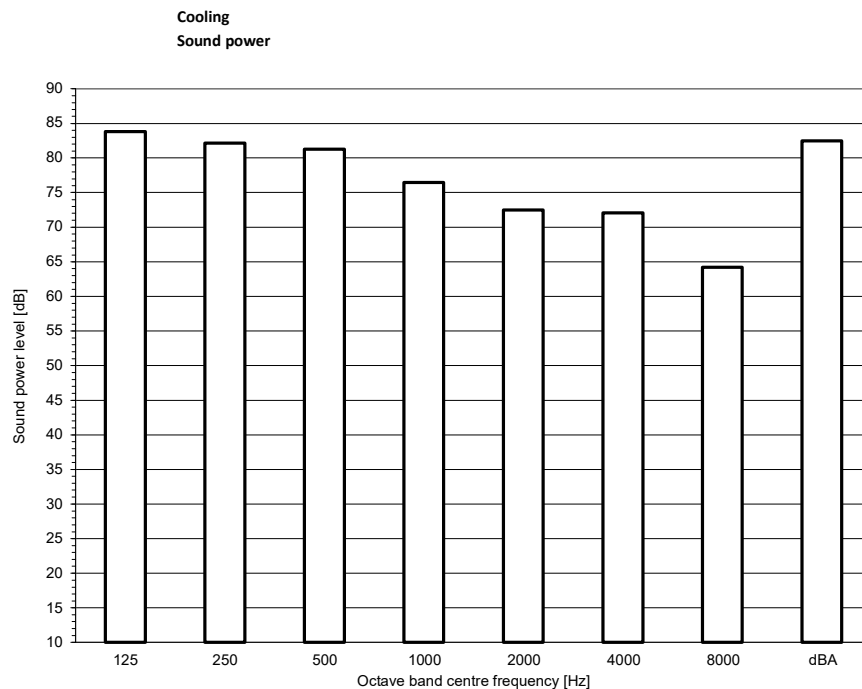
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W/m².
- Measured according to ISO 3744

4D150005

11 Sound data

11 - 1 Sound Power Spectrum - Cooling

RXYA12A

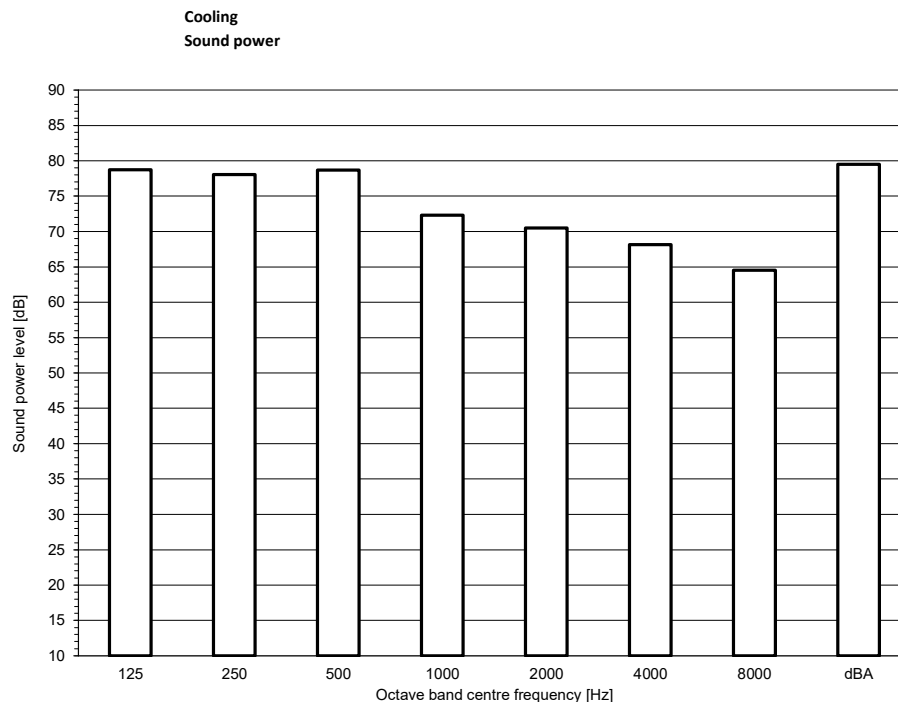


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $O_{dB} = 10^{-12}$ W.
- Measured according to ISO 3744

4D150006

RXYA14A



Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $O_{dB} = 10^{-12}$ W.
- Measured according to ISO 3744

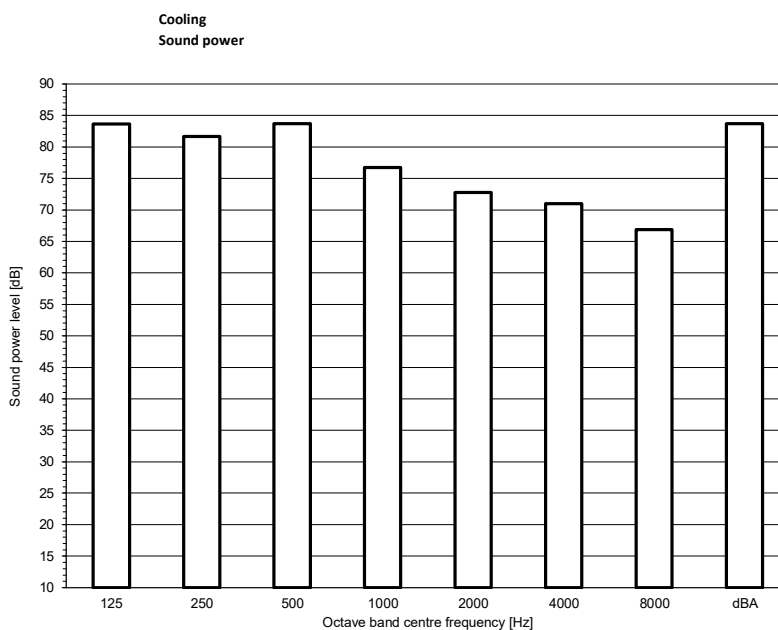
4D150007

11 Sound data

11 - 1 Sound Power Spectrum - Cooling

11

RXYA16A

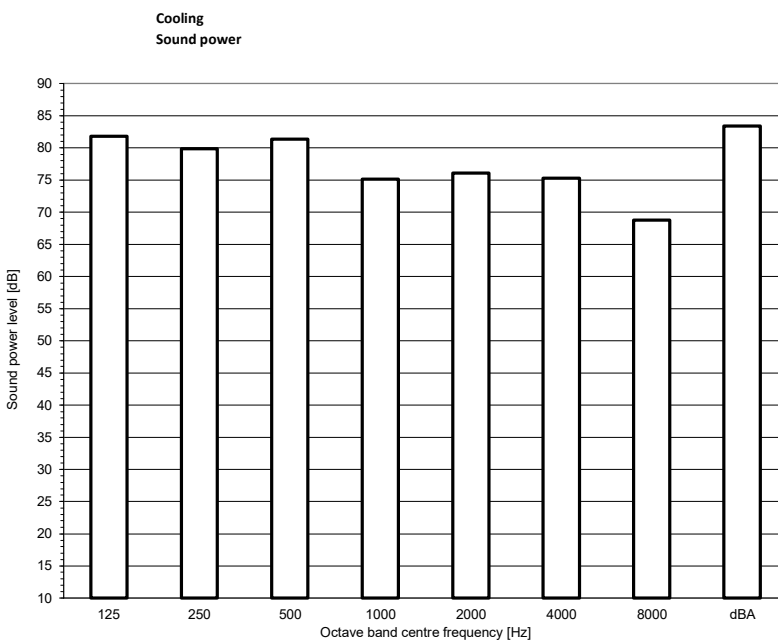


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W.
- Measured according to ISO 3744

4D150008

RXYA18A



Notes

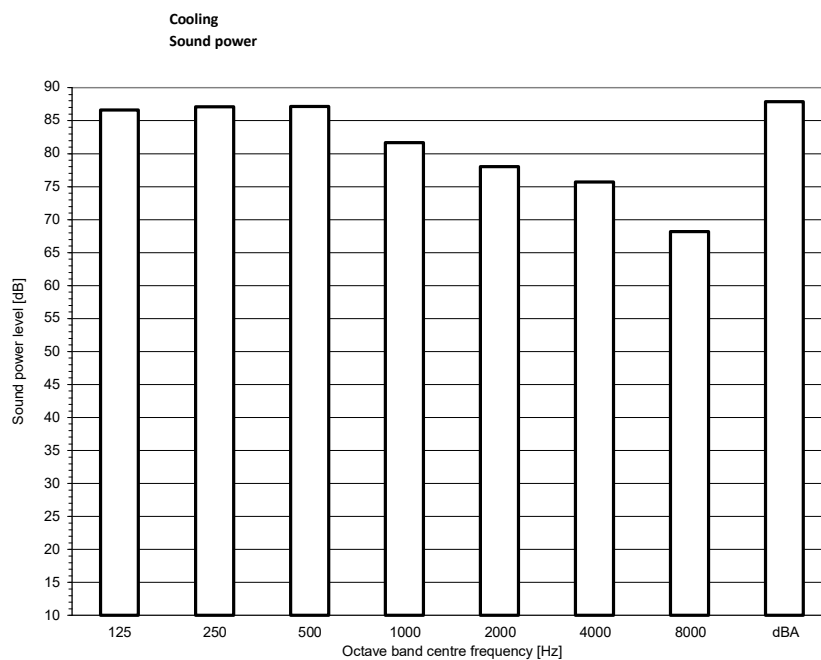
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W.
- Measured according to ISO 3744

4D150009

11 Sound data

11 - 1 Sound Power Spectrum - Cooling

RXYA20A



Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $0\text{ dB} = 10^{-12} \text{ W}$.
- Measured according to ISO 3744

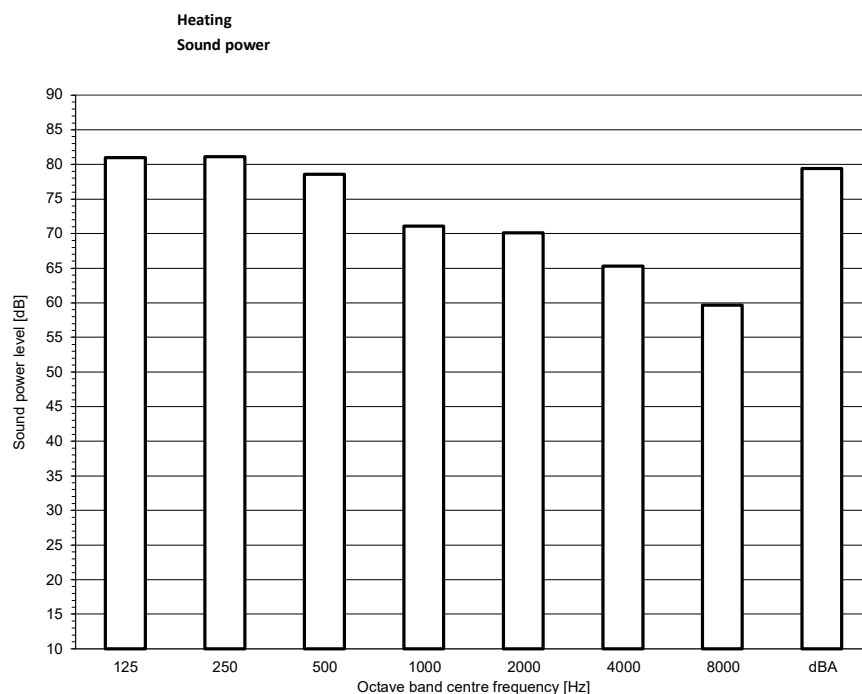
4D150010

11 Sound data

11 - 2 Sound Power Spectrum - Heating

11

RXYA8A
RYMA5A

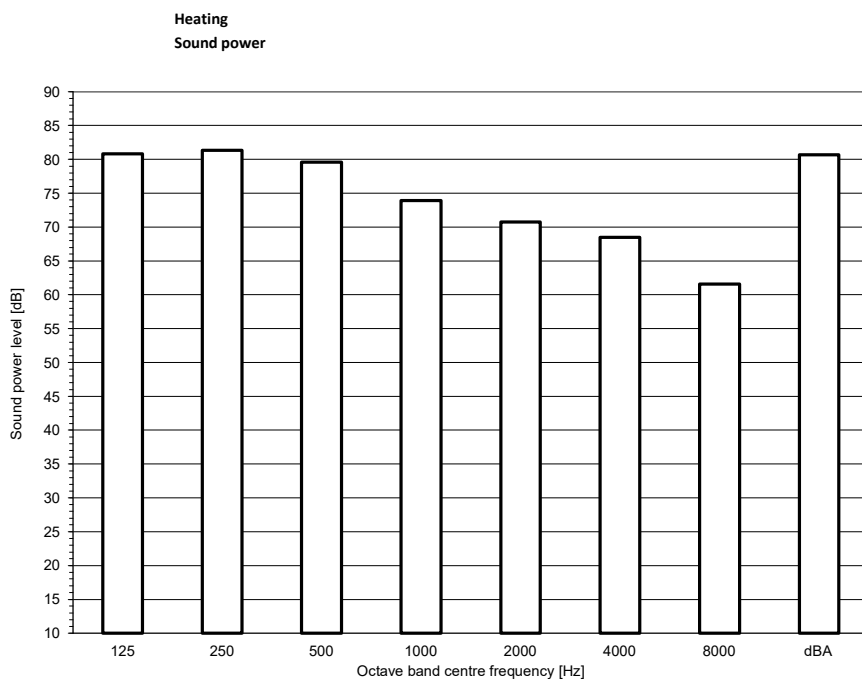


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $0\text{dB} = 10^{-12} \text{ W}$.
- Measured according to ISO 3744

4D150004

RXYA10A



Notes

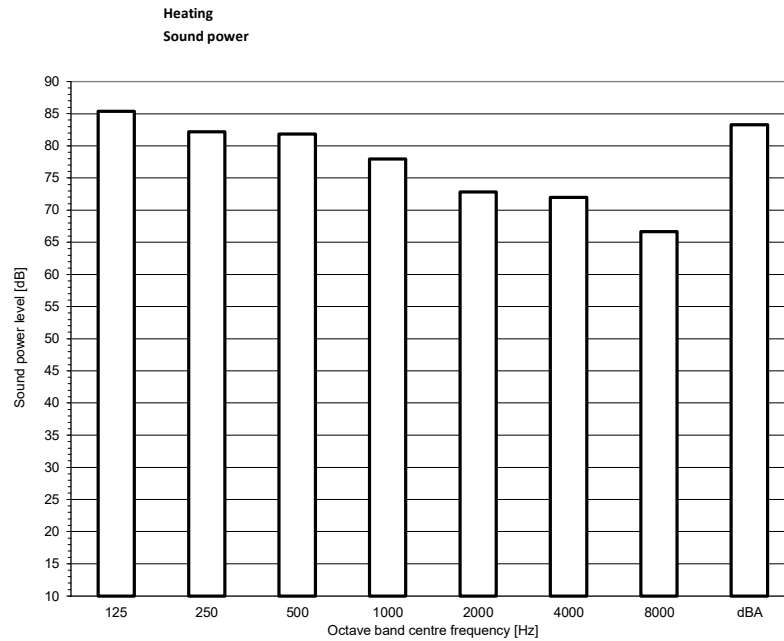
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $0\text{dB} = 10^{-12} \text{ W}$.
- Measured according to ISO 3744

4D150005

11 Sound data

11 - 2 Sound Power Spectrum - Heating

RXYA12A

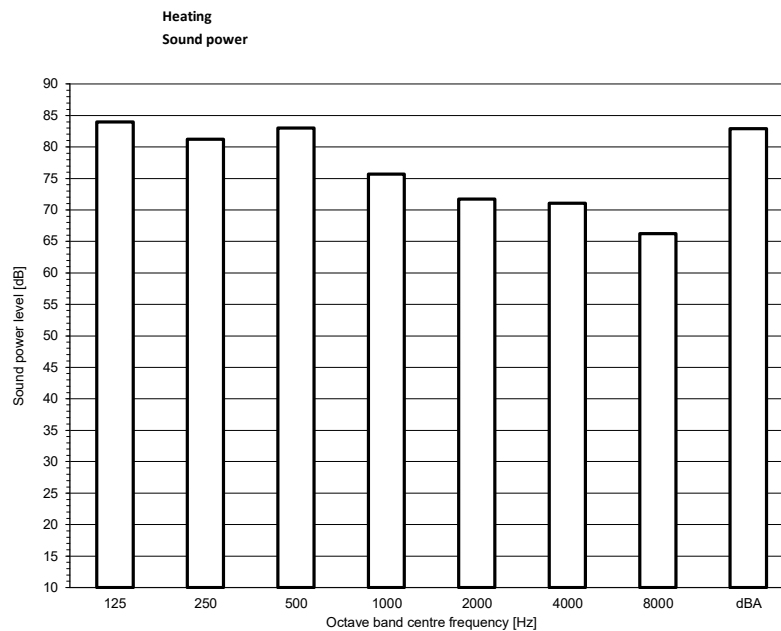


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W.
- Measured according to ISO 3744

4D150006

RXYA14A



Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W.
- Measured according to ISO 3744

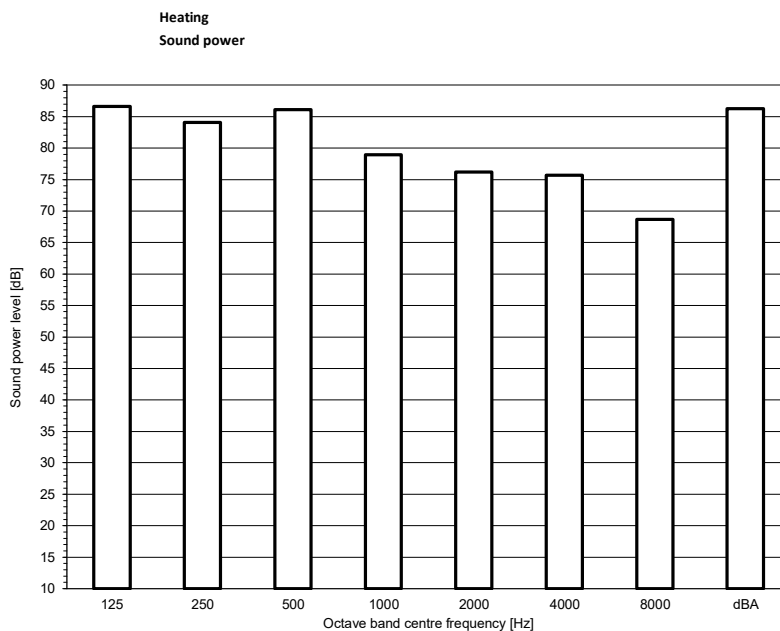
4D150007

11 Sound data

11 - 2 Sound Power Spectrum - Heating

11

RXYA16A

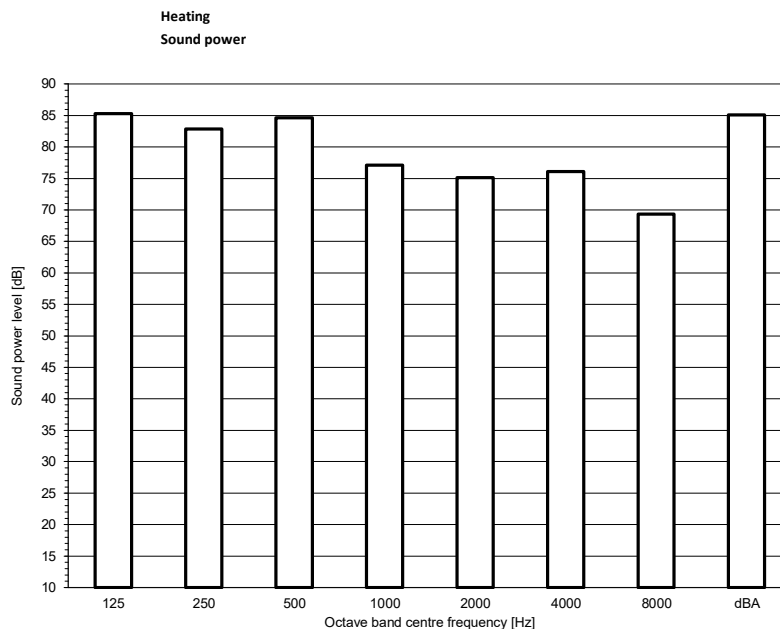


Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = $\cdot 10^{-12}$ W
- Measured according to ISO 3744

4D150008

RXYA18A



Notes

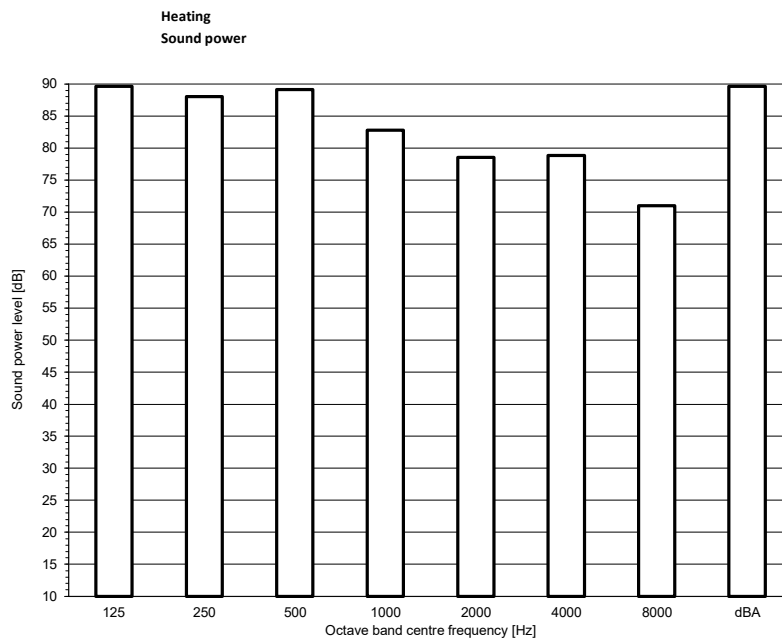
- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = $\cdot 10^{-12}$ W
- Measured according to ISO 3744

4D150009

11 Sound data

11 - 2 Sound Power Spectrum - Heating

RXYA20A



Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity $0\text{ dB} = 10^{-12}\text{ W}$.
- Measured according to ISO 3744

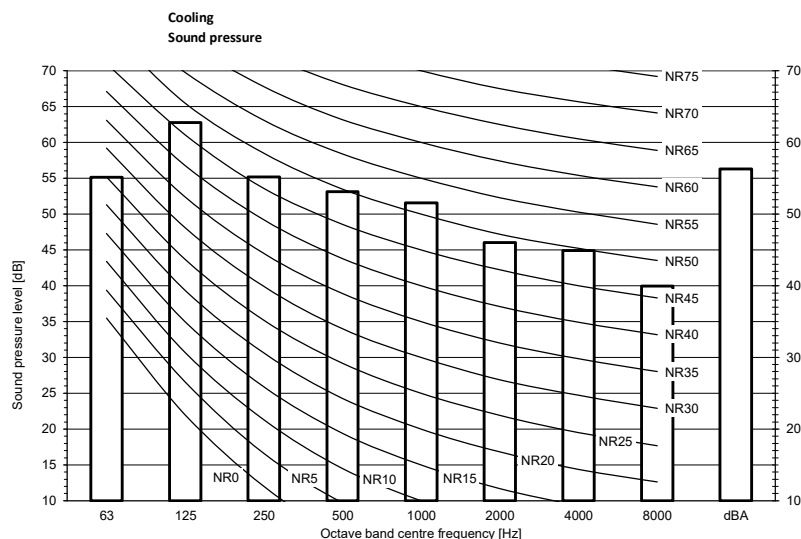
4D150010

11 Sound data

11 - 3 Sound Pressure Spectrum - Cooling

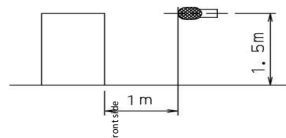
RXYA8A
RYMA5A

11



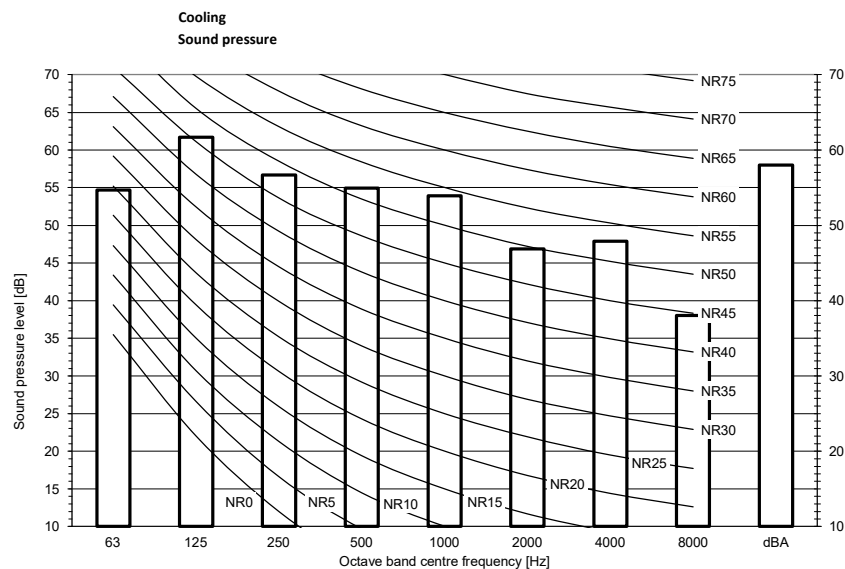
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IE)
- Reference acoustic pressure 0 dB = 20 μ Pa



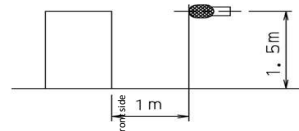
4D150004

RXYA10A



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

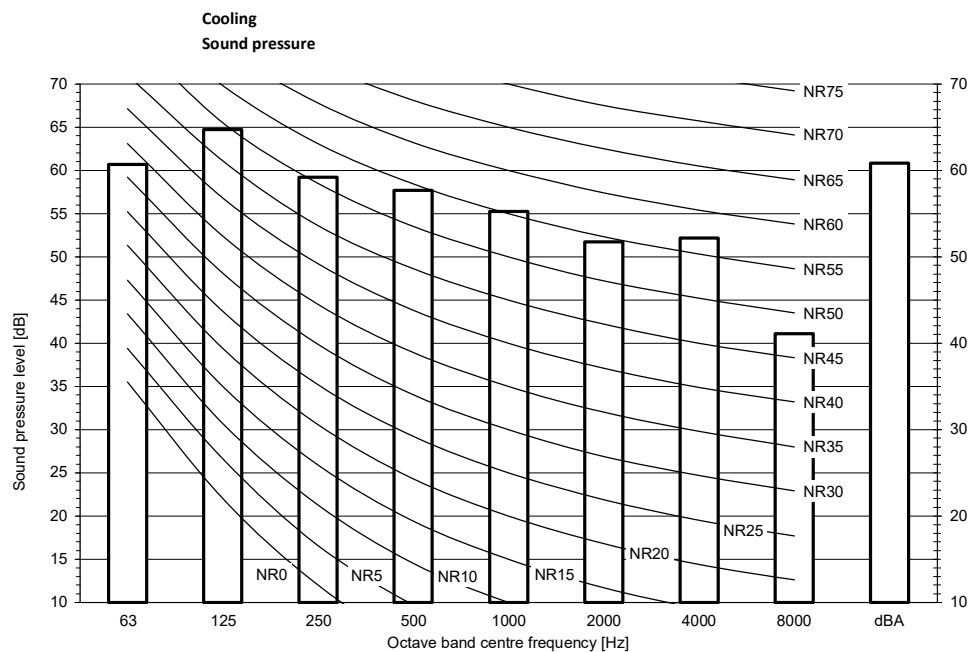


4D150005

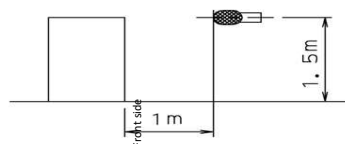
11 Sound data

11 - 3 Sound Pressure Spectrum - Cooling

RXYA12A

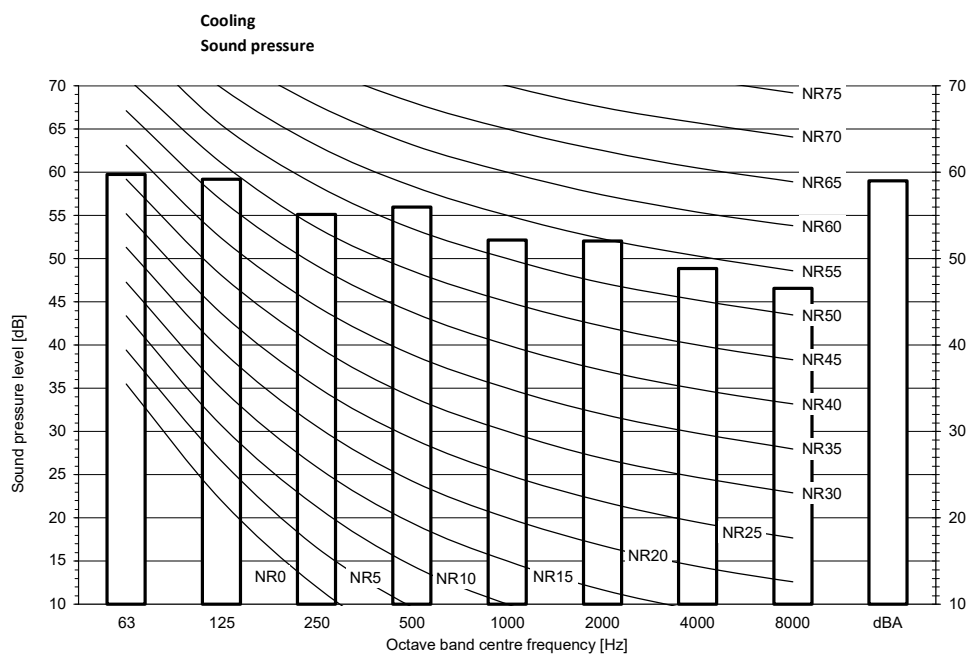
**Notes**

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

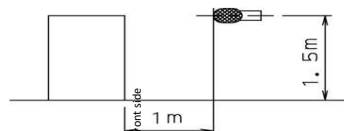


4D150006

RXYA14A

**Notes**

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



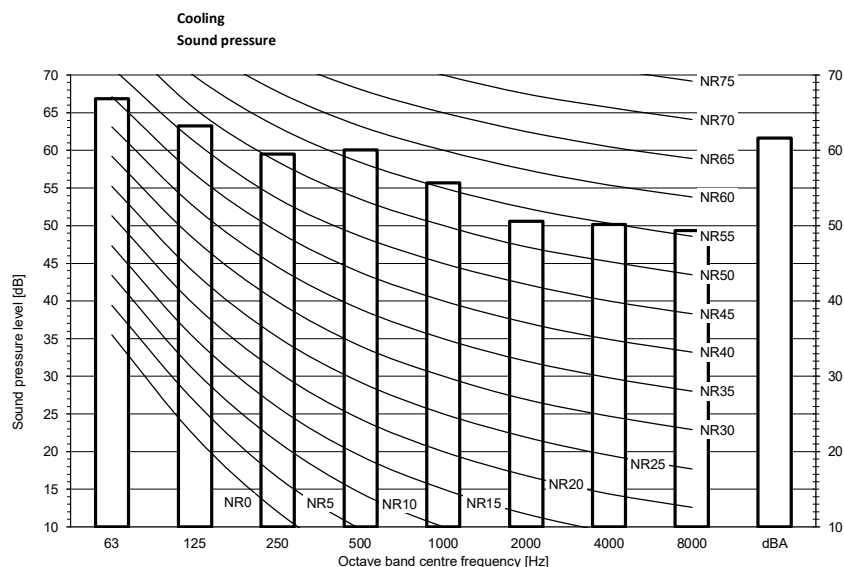
4D150007

11 Sound data

11 - 3 Sound Pressure Spectrum - Cooling

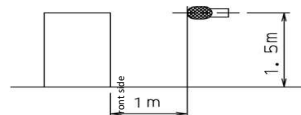
11

RXYA16A



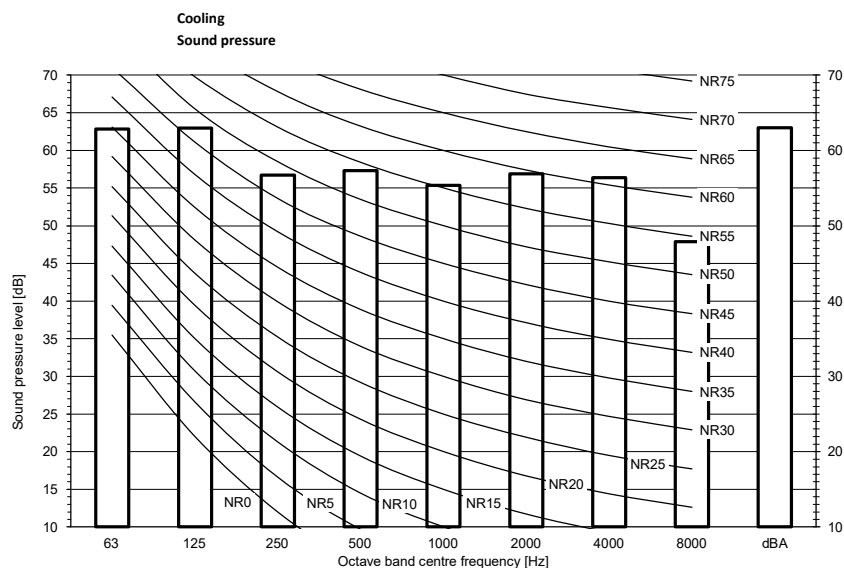
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



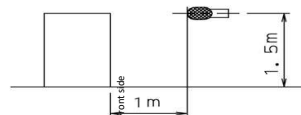
4D150008

RXYA18A



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

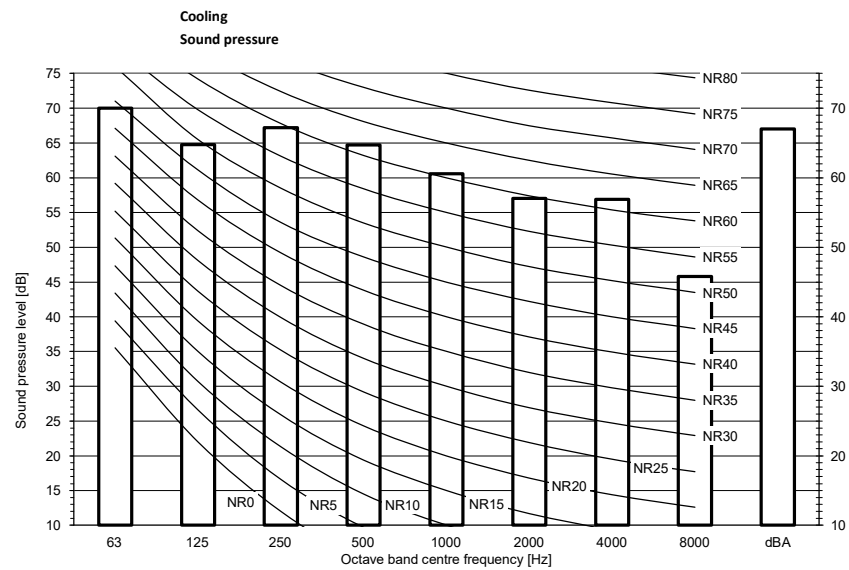


4D150009

11 Sound data

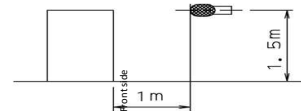
11 - 3 Sound Pressure Spectrum - Cooling

RXYA20A



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



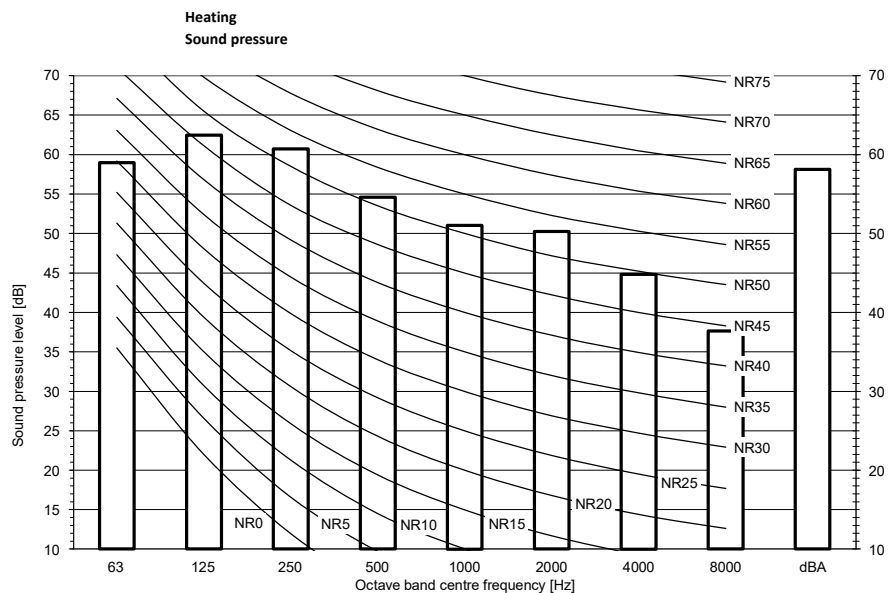
4D150010

11 Sound data

11 - 4 Sound Pressure Spectrum - Heating

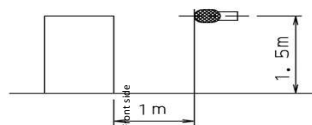
RXYA8A
RYMA5A

11



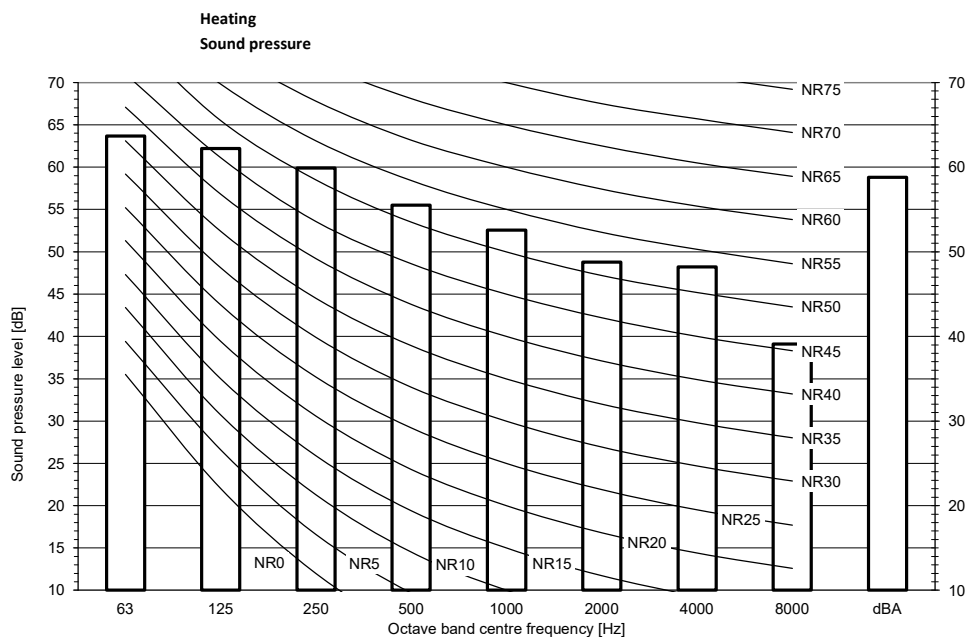
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



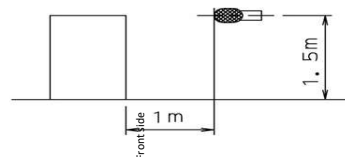
4D150004

RXYA10A



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

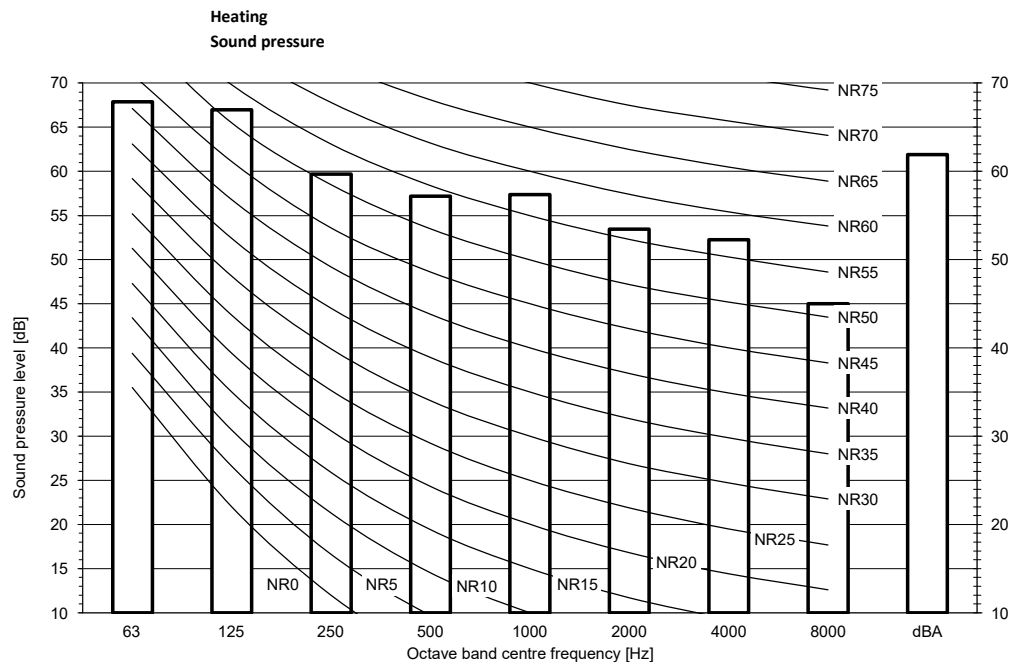


4D150005

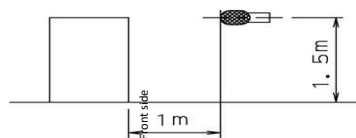
11 Sound data

11 - 4 Sound Pressure Spectrum - Heating

RXYA12A

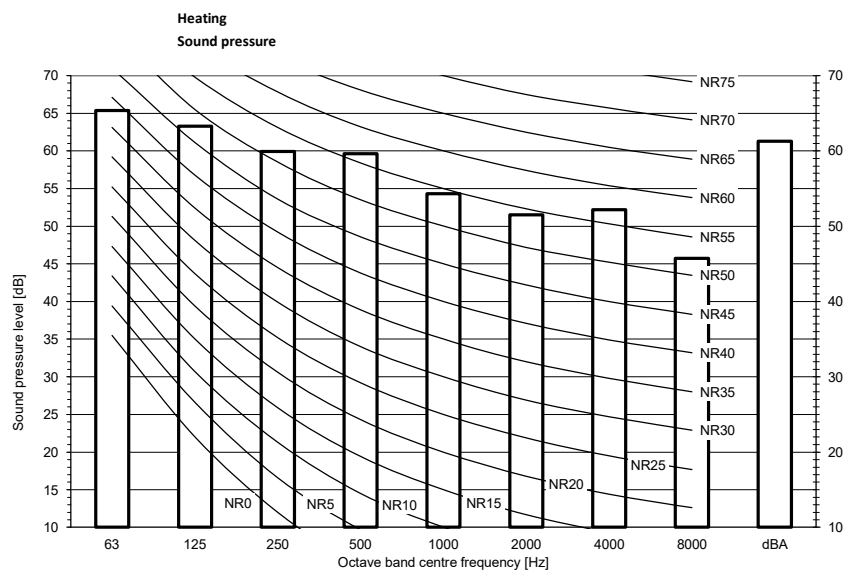
**Notes**

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

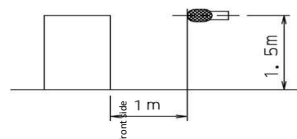


4D150006

RXYA14A

**Notes**

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

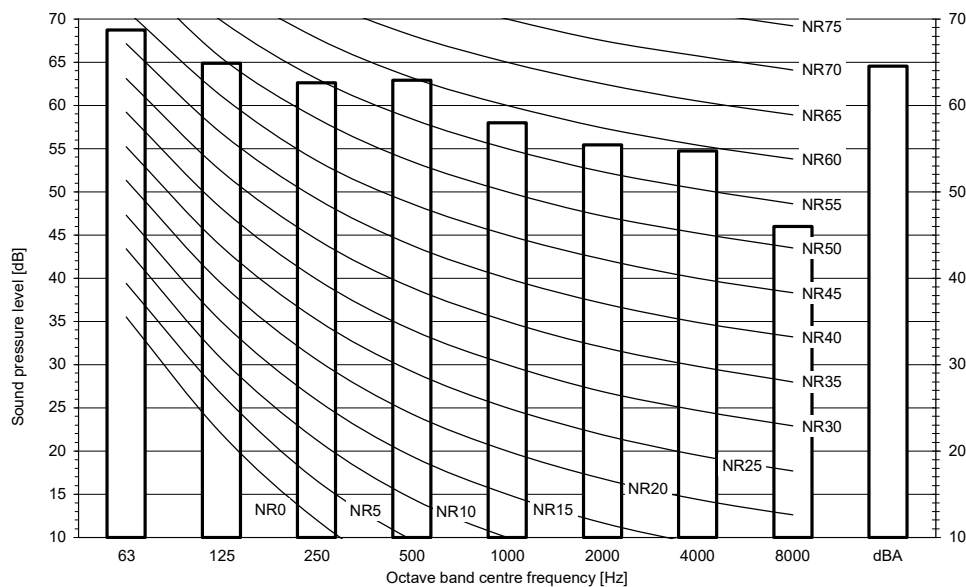


4D150007

11 Sound data

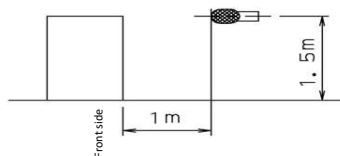
11 - 4 Sound Pressure Spectrum - Heating

RXYA16A

Heating
Sound pressure


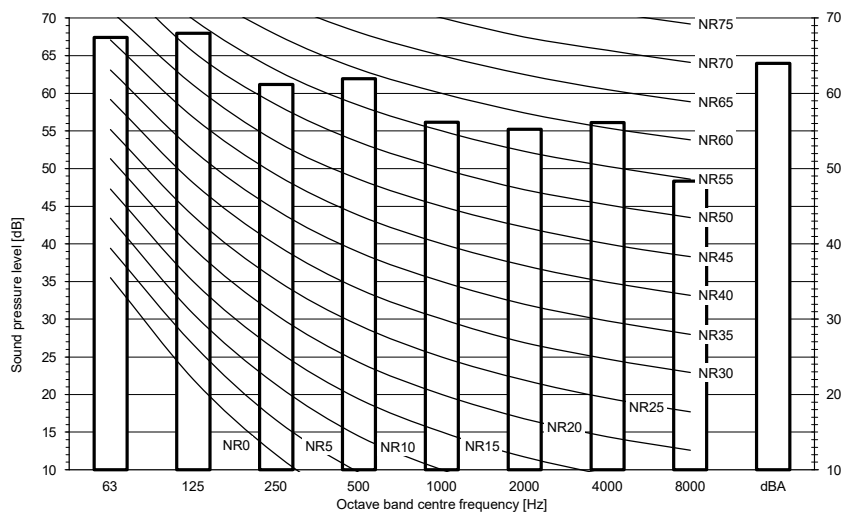
Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



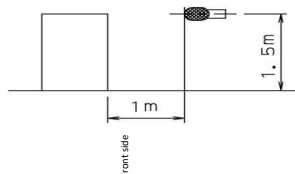
4D150008

RXYA18A

Heating
Sound pressure


Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa

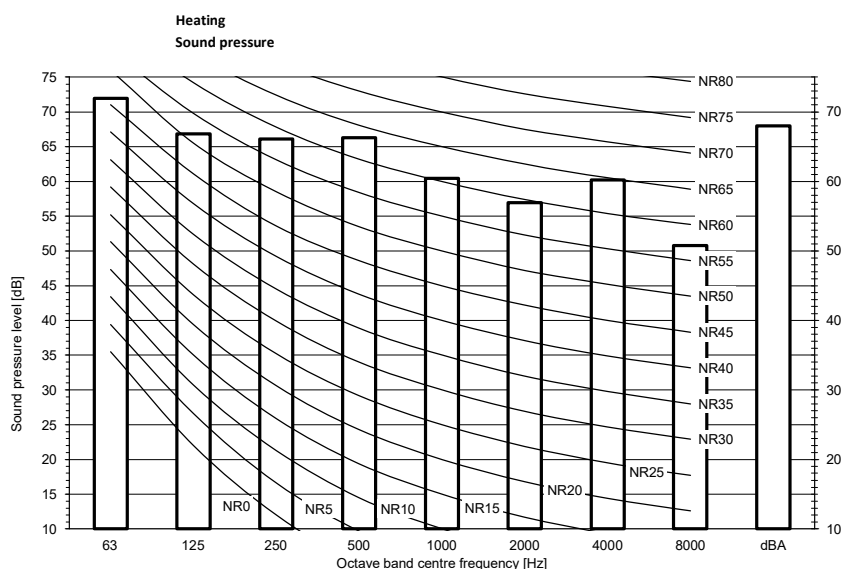


4D150009

11 Sound data

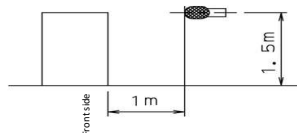
11 - 4 Sound Pressure Spectrum - Heating

RXYA20A



Notes

- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- dBA = A-weighted sound pressure level (A scale according to IEC).
- Reference acoustic pressure 0 dB = 20 μ Pa



4D150010

11 Sound data

11 - 5 Sound level data Quiet mode

RXYA-A
RYMA5A

VRV-5 Heat pump
Low noise data (level ·1-5·)

11

	Capacity ratio
LN1	90%
LN2	75%
LN3	60%
LN4	45%
LN5	30%

5HP/ 8HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	75	53	76	55
LN2	72	50	73	52
LN3	69	47	70	49
LN4	66	44	67	46
LN5	63	41	64	43

10HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	76	55	78	56
LN2	73	52	75	53
LN3	70	49	72	50
LN4	67	46	69	47
LN5	64	43	66	44

12HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	79	58	80	58
LN2	76	55	77	55
LN3	73	52	74	52
LN4	70	49	71	49
LN5	67	46	68	46

14HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	76	54	81	58
LN2	73	51	78	55
LN3	70	48	75	52
LN4	67	45	72	49
LN5	64	42	69	46

16HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	81	58	84	62
LN2	78	55	82	59
LN3	75	52	80	56
LN4	72	49	77	53
LN5	69	46	74	50

4D150022

11 Sound data

11 - 5 Sound level data Quiet mode

RXYA-A
RYMA5A

11

18HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	81	60	83	61
LN2	78	57	81	58
LN3	76	54	78	55
LN4	74	51	75	52
LN5	71	48	72	49

20HP	Cooling		Heating	
	Sound power [dBA]	Sound pressure [dBA]	Sound power [dBA]	Sound pressure [dBA]
LN1	85	64	87	65
LN2	82	61	84	62
LN3	80	58	81	59
LN4	77	55	79	56
LN5	74	52	77	53

LN1: Low noise level ·1·
 LN2: Low noise level ·2·
 LN3: Low noise level ·3·
 LN4: Low noise level ·4·
 LN5: Low noise level ·5·

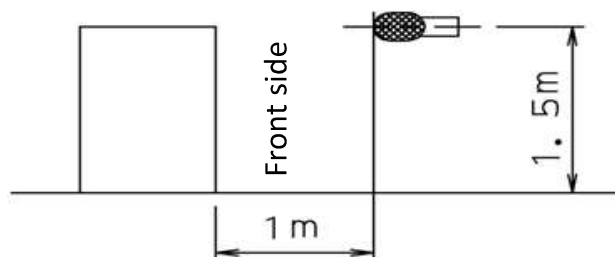
Notes

Sound power

dBA = A-weighted sound power level (A scale according to IEC).
 Reference acoustic intensity $0\text{ dB} = 10^{-12} \text{ W}$
 Measured according to ISO 3744

sound pressure

Data is valid at free field condition.
 Data is valid at nominal operation condition.
 dBA = A-weighted sound pressure level (A scale according to IEC).
 Reference acoustic pressure $0 \text{ dB} = 20 \mu\text{Pa}$



4D150022

11 Sound data

11 - 6 Sound power level at high ESP

RXYA-A
RYMA5A

11

VRV-5 Heat pump
High ESP

	Cooling	Heating
	Sound power [dBA]	Sound power [dBA]
5HP	81	84
8HP	81	84
10HP	81	84
12HP	81	84
14HP	83	85
16HP	87	89
18HP	87	89
20HP	88	90

Sound power is measured on a freestanding unit.
Actual sound is depending on the installation of the duct.

4D149959