

ROBIN Painte

Noise Measurement



Date of measurements : 31.3.2022 Temperature / humidity : 19,3°C / 58 % r.h.

Testing method : EN ISO 9614-1 Acoustics - Determination of **sound power levels** of noise sources
using sound intensity - Part 1: Measurement at discrete points

Testing equipment : Analyzer Brüel & Kjær 2270
Sound intensity probe Brüel & Kjær 3654

1. Sound power levels [dB(A)] - measurement

[dB(A)]	Settings A)*	Settings B)*	Settings C)*
63 Hz	-	-	20
125 Hz	11	21	33
250 Hz	19	32	41
500 Hz	27	39	54
1 kHz	26	37	52
2 kHz	30	37	51
4 kHz	23	28	45
8 kHz	16	22	38
Total	34	43	58

- ... *unmeasurable value*

A)* .. Fans mode: Quiet 0%, 100% dimmer, static position, without effects

B)* .. Fans mode: Auto, 100% dimmer, static position, without effects

C)* .. Fans mode: High, 100% dimmer, static position, without effects

2. Sound pressure levels [dB(A)] – determination

$$L_p = L_w + 10 \log \left(\frac{Q}{4\pi r^2} \right)$$

Q = 2

[distance (m)]	Settings A)*	Settings B)*	Settings C)*
1	26	35	50
3	16	25	40
5	12	21	36
8	8	17	31
10	6	15	30

A)* .. Fans mode: Quiet 0%, 100% dimmer, static position, without effects

B)* .. Fans mode: Auto, 100% dimmer, static position, without effects

C)* .. Fans mode: High, 100% dimmer, static position, without effects

Test results apply only to the tested specimen.

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