

# ROBIN Spote

Noise Measurement



Date of measurements : 20.11.2020    Temperature / humidity : 18,3°C / 48 % 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)*
63 Hz	4	11
125 Hz	13	24
250 Hz	31	41
500 Hz	34	52
1 kHz	35	54
2 kHz	32	51
4 kHz	21	44
8 kHz	14	37
<b>Total</b>	<b>40</b>	<b>57</b>

A)\* .. Fans mode: Auto, 100% dimmer, static position, without Effects

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

## 2. Sound pressure power 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)*
1	32	49
3	22	40
5	18	35
8	14	31
10	12	29

A)\* .. Fans mode: Auto, 100% dimmer, static position, without Effects

B)\* .. Fans mode: High, 100% dimmer, static position, without Effects

Test results apply only to the tested specimen.

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