

# ROBIN Cuete

Noise Measurement



Date of measurements : 20.7.2021    Temperature / humidity : 23°C / 77 % 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        | -            | 5            |
| 125 Hz       | 11           | 21           |
| 250 Hz       | 26           | 39           |
| 500 Hz       | 33           | 50           |
| 1 kHz        | 38           | 54           |
| 2 kHz        | 35           | 53           |
| 4 kHz        | 23           | 44           |
| 8 kHz        | 18           | 37           |
|              |              |              |
| <b>Total</b> | <b>41</b>    | <b>58</b>    |

- ... *unmeasurable value*

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

B)\* .. 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)* |
|----------------|--------------|--------------|
| 1              | 33           | 50           |
| 3              | 23           | 40           |
| 5              | 19           | 36           |
| 8              | 15           | 32           |
| 10             | 13           | 30           |

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.

Copyright © 2021 Robe Lighting s.r.o. – All rights reserved.  
All specifications subjects to change without notice

**ROBE**