

ROBIN T2 Profile

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)*	Settings C)*
63 Hz	10	10	4
125 Hz	19	24	32
250 Hz	25	35	47
500 Hz	34	40	55
1 kHz	30	37	53
2 kHz	25	30	49
4 kHz	20	24	44
8 kHz	20	16	35
Total	37	43	58

A)* .. Quiet mode, 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 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)*	Settings C)*
1	29	35	50
3	19	25	40
5	15	21	36
8	11	17	32
10	9	15	30

A)* .. Quiet mode, 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.

Copyright © 2020 Robe Lighting s.r.o. – All rights reserved.
All specifications subjects to change without notice

ROBE