ROBIN T1 Fresnel

Noise Measurement

Date of measurements : 1.11.2019 Temperature / humidity : 21°C / 35 % 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	9	12
125 Hz	14	18	30
250 Hz	20	28	44
500 Hz	26	34	51
1 kHz	26	31	50
2 kHz	25	28	45
4 kHz	24	27	39
8 kHz	9	15	33
Total	**32**	**38**	**55**

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 levels [dB(A)] - determination

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

Q = 2

[distance (m)]	Settings A)*	Settings B)*	Settings C)*
1	24	30	47
3	14	20	37
5	10	16	33
8	6	12	29
10	4	10	27

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.