



Equiment acoustic signature – AZOMURES

Doc N°: 701848-P4513-0012

Author

Julien HOUMADI

Howden France
16 rue Papin
CS 90125
59653 Villeneuve d'Ascq Cedex
France

Tel: +33 (0)3 28 33 32 30
Email: julien.houmadi@howden.com
Web: www.howden.com

Date

31/07/2015

Version

Version 00

SNCL STATUS VF

Revolving Around You™


Howden

1 Fan NPK0-K-001

Sound Pressure level at 1 m from fan casing (*):

Octave Band (Hz)	63	125	250	500	1K	2K	4K	8K	Overall dB	dB(A)
Lw	124	128	132	129	122	122	114	108	135	
Lpf	94	93	97	91	81	81	74	68		92

Solutions to be used to ensure sound pressure level of 85dB(A) @ 1m:

An exterior acoustic insulation must be applied **on fan casing thanks to insulation pins**.

Minimal composition to be respected for this insulation:

- **Rockwool 70 kg/m³ thickness 50 mm + rockwool 180 kg/m³ thickness 50 mm + stainless steel sheet 1mm**

Acoustic insulation will be made by others on site.

2 Motor NPK0-K-001_M1

Sound Pressure level at 1 m from motor (*):

Octave Band (Hz)	63	125	250	500	1K	2K	4K	8K		dB(A)
Lpf	82	83	81	78	76	71	67	59		81

(*): The sound pressure levels are given without any solution of noise reduction (silencer, acoustic wall...)