

Barcol-Air Netherlands casing leakage test sheet

According to standard NEN-EN 1751-2014

Test setup		
Date	12-8-2025	Reference nr. LM-25-0006
Exp. Date	12-8-2028	Tested by TK
Place	Barcol-Air	Witness by MBs

Contact information	
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Model (Name/Type): **NXOJOEB-125R-CERA2**

Result: **Class C**

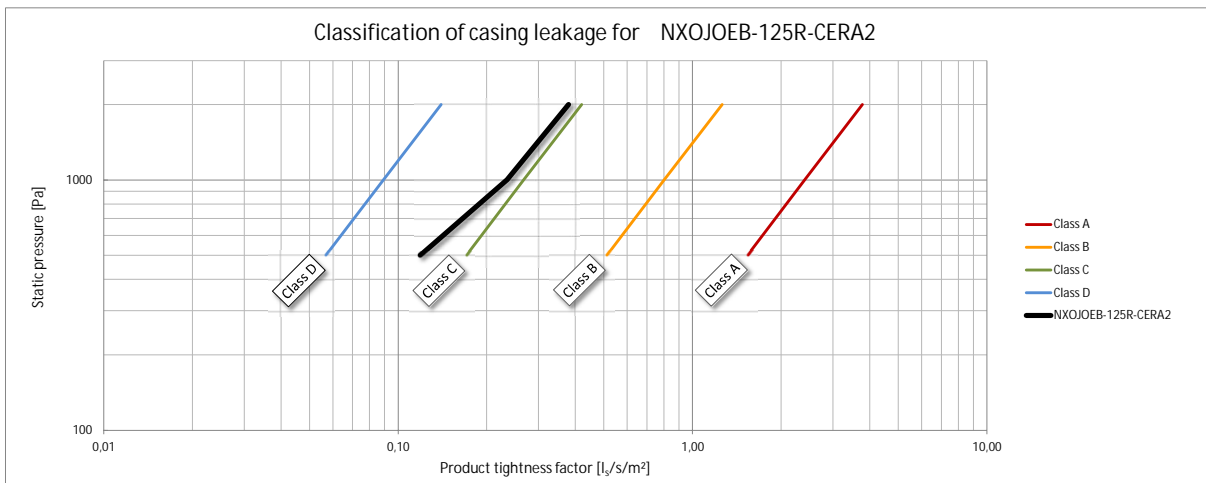
Product specifications		
Productcode	NXOJOEB-125R-CERA2	
Model		
Case Width	0,668	[m]
Case Height	0,265	[m]
Case Diameter		[m]
Case Length	0,430	[m]
Real Duct surface	0,802	[m ²]
Virtual Duct surface	1,866	[m ²]
Note:	When Case Length < 1m, 1m is used in calculations as specified by LUKA.	

Measurement specifications		
Pressure time	60 seconds	
Pressure controller	PR-41X/20mbar/81955.50	
Airflow meter(s)	Low Flow	F-111B-20K-RAD-00-V
	High Flow	F-112AC-M20-RAD-55-V
Rated Accuracy	Pressure Ctrl	± 0.05%Rd + 0.093%FS
	Low Flow	± 0.5%Rd + 0.1%FS
Date calibrated	High Flow	± 0.5%Rd + 0.1%FS
	Pressure Ctrl	12-12-2023
Low Flow	12-12-2023	
	High Flow	12-12-2023
Leakage is measured in normal liters (= 1 liter at 0°C and 101325 pa)		

NEN-EN 1751-2014	
Max. Leakagefactor [L/s/m ²]	
Class A	0,027
Class B	0,009
Class C	0,003
Class D	0,001
$\Phi L = f \times P_s^{0,65}$	
ΦL Leakage [L/s/m ²]	
f = Leakagefactor	
P _s = Static Pressure	

Measurements and calculations					
Reading	Measure instrument	Static pressure [Pa]	Measured air leakage rate [L/s]	Corrected air leakage rate 20°C [L/s]	Product tightness factor [L/s/m ²]
1	High Flow	500	0,222	0,222	0,119
2	High Flow	1000	0,438	0,438	0,235
3	High Flow	2000	0,707	0,707	0,379
4					
5					

LUKA standards				
Class A	Class B	Class C	Class D	Estimated class
[L/s/m ²]	[L/s/m ²]	[L/s/m ²]	[L/s/m ²]	
1,53	0,51	0,17	0,06	Class C
2,41	0,80	0,27	0,09	Class C
3,78	1,26	0,42	0,14	Class C
0,00	0,00	0,00	0,00	Class C
0,00	0,00	0,00	0,00	Class C



Other results	
Visual deformation	Negative
Pressure [Pa]	2000

*As the tested model is the smallest model of this product range, the same classification result (or better) is valid for all larger models.

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Calibration certifications nr.
 Low Flow BRNL001/004504
 High Flow BRNL001/004497
 Pressure ctrl not specified