

Barcol-Air Netherlands casing leakage test sheet

According to standard NEN-EN 1751-2014

Test setup	
Date	12-8-2025
Exp. Date	12-8-2028
Place	Barcol-Air
Reference nr.	LM-25-0005
Tested by	TK
Witness by	MBs

Contact information	
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Model (Name/Type): **NXOJOEB-125R-CERA1**

Result: **Class C**

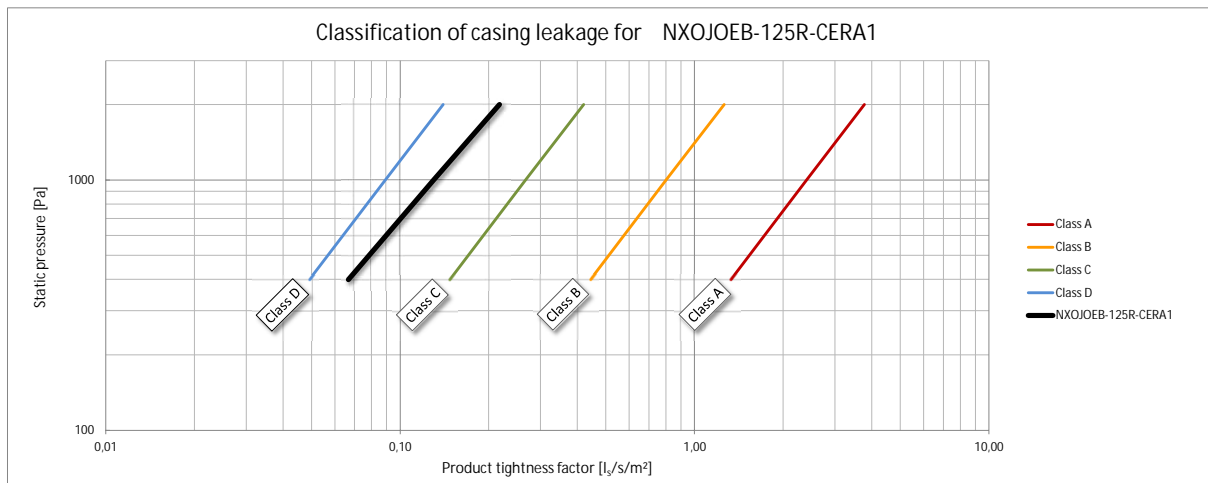
Product specifications	
Productcode	NXOJOEB-125R-CERA1
Model	125
Case Width	0,416 [m]
Case Height	0,275 [m]
Case Diameter	[m]
Case Length	0,440 [m]
Real Duct surface	0,608 [m ²]
Virtual Duct surface	1,382 [m ²]
Note: When Case Length < 1m, 1m is used in calculations as specified by LUKA.	

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	400	0,092	0,092	0,067
2	High Flow	1000	0,180	0,180	0,130
3	High Flow	2000	0,300	0,300	0,217
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]	
1,33	0,44	0,15	0,05	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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 Certificate nr. P-97/52-45

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