

Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 15727-2010

Date:	6/25/2025	Test reference number:	25-12-06
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): R_Plenum 250 Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.275
Case height (m)	0.275
Case Length (m)	0.22
Duct surface (real) (m ²)	0.24
Duct surface (virtual) (m ²)*	1.10
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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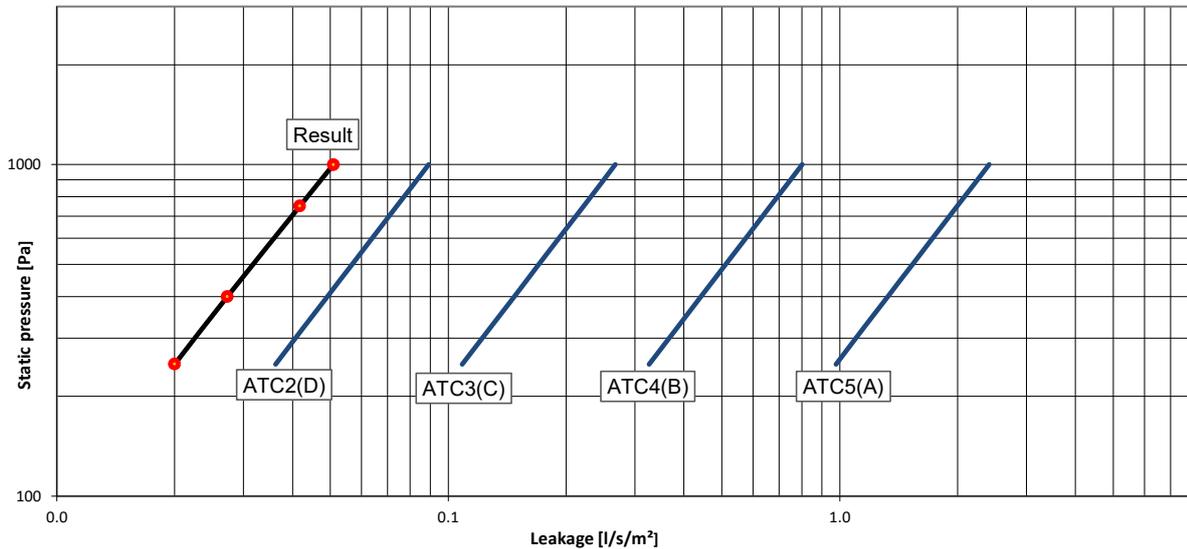
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading	Static Pressure (Pa)	Measured Leakage (l/s)	Corrected Leakage (l/s)	Leakage Duct surface (l/s/m ²)	NEN-EN 15727-2010			
					ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
					(l/s/m ²)	(l/s/m ²)	(l/s/m ²)	(l/s/m ²)
1	250	0.022	0.022	0.020	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.027	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.042	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.051	2.41	0.80	0.27	0.09

Classification of casing leakage



* Classification result is the same for all models as tested model, unless indicated otherwise.

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Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 15727-2010

Date:	6/25/2025	Test reference number:	25-12-07
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **R_Plenum 350** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.375
Case height (m)	0.375
Case Length (m)	0.265
Duct surface (real) (m ²)	0.40
Duct surface (virtual) (m ²)*	1.50
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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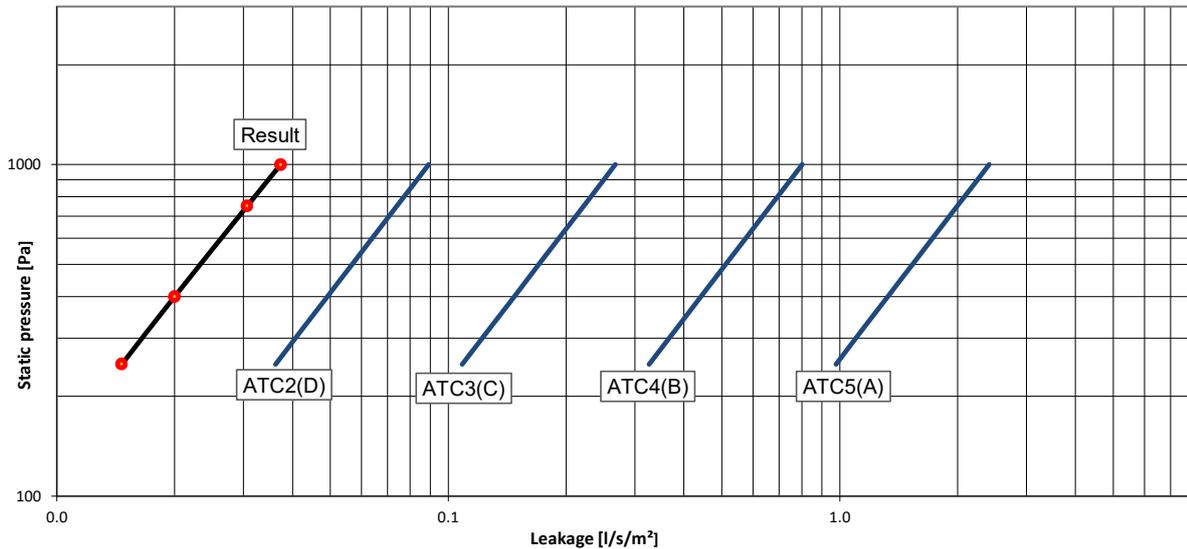
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 15727-2010			
	Static	Measured	Corrected	Leakage				
	Pressure	Leakage	Leakage	Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.022	0.022	0.015	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.020	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.031	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.037	2.41	0.80	0.27	0.09

Classification of casing leakage



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Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 15727-2010

Date:	6/25/2025	Test reference number:	25-12-08
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **R_Plenum 450** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.475
Case height (m)	0.475
Case Length (m)	0.315
Duct surface (real) (m ²)	0.60
Duct surface (virtual) (m ²)*	1.90
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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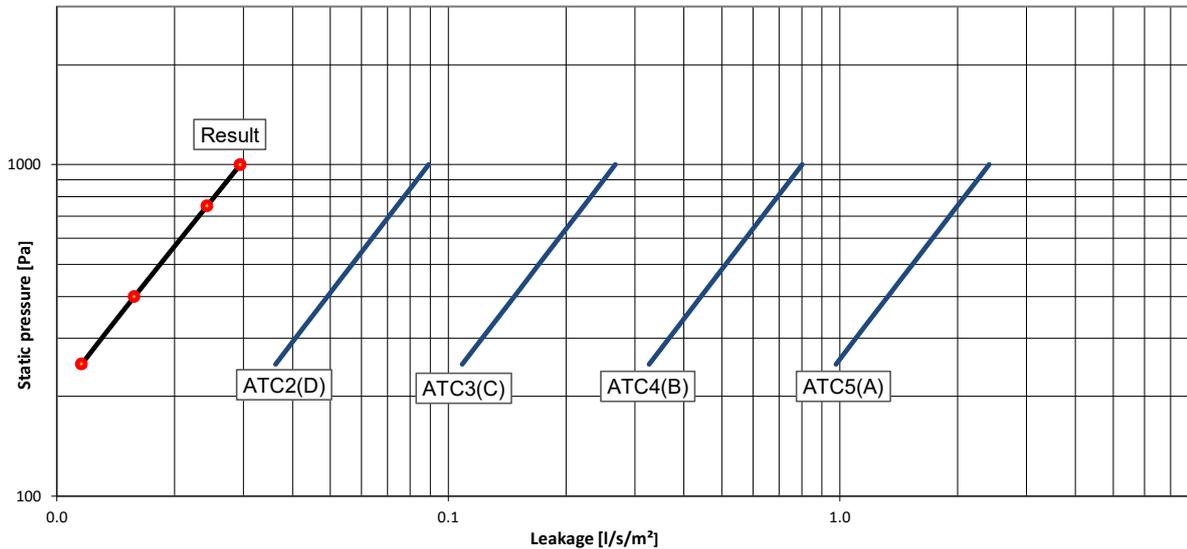
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 15727-2010			
	Static Pressure	Measured Leakage	Corrected Leakage	Leakage Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.022	0.022	0.012	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.016	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.024	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.029	2.41	0.80	0.27	0.09

Classification of casing leakage



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Solid Air Climate Solutions casing leakage test sheet According to standard NEN-EN 15727-2010

Date:	6/25/2025	Test reference number:	25-12-09
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **R_Plenum 550** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.575
Case height (m)	0.575
Case Length (m)	0.365
Duct surface (real) (m ²)	0.84
Duct surface (virtual) (m ²)*	2.30
* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)	



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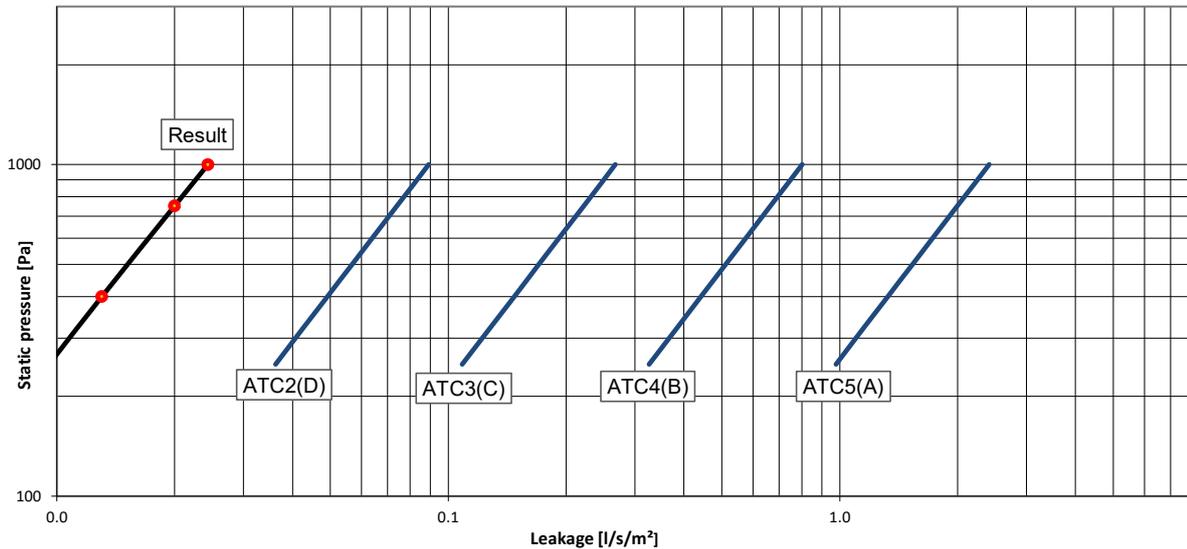
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Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

Test duration 60 sec.		
Visual deformation?	N	
Max. test pressure	1000	Pa
TÜV certificate	P-97/52-30	

Reading					NEN-EN 15727-2010			
	Static Pressure	Measured Leakage	Corrected Leakage	Leakage Duct surface	ATC5 (A)	ATC4 (B)	ATC3 (C)	ATC2 (D)
	(Pa)	(l/s)	(l/s)	(l/s/m ²)				
1	250	0.022	0.022	0.010	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.013	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.020	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.024	2.41	0.80	0.27	0.09

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