

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

Date:	6/25/2025	Test reference number:	25-12-01
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **P_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)	0.245
Case height (m)	0.245
Case Length (m)	0.235
Duct surface (real) (m ²)	0.23
Duct surface (virtual) (m ²)*	0.98
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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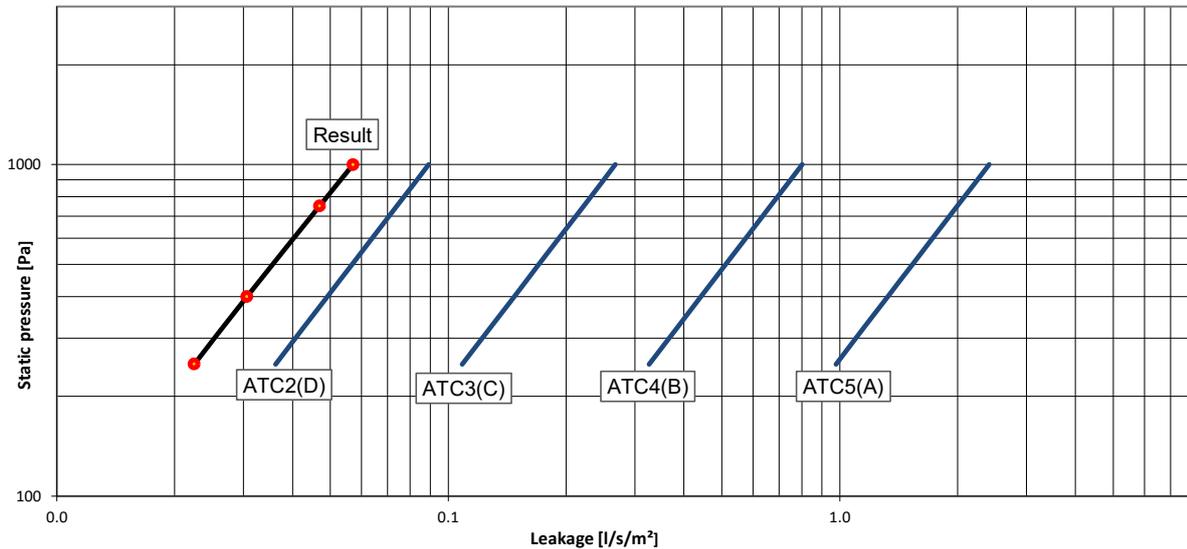
Scheepswervenweg 1
9608 PD Westerbroek
Tel: +31 598 36 12 21
www.solid-air.com

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	0.022	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.031	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.047	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.057	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:	25-12-02
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **P_Plenum 300** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.305
Case height (m)	0.305
Case Length (m)	0.27
Duct surface (real) (m ²)	0.33
Duct surface (virtual) (m ²)*	1.22
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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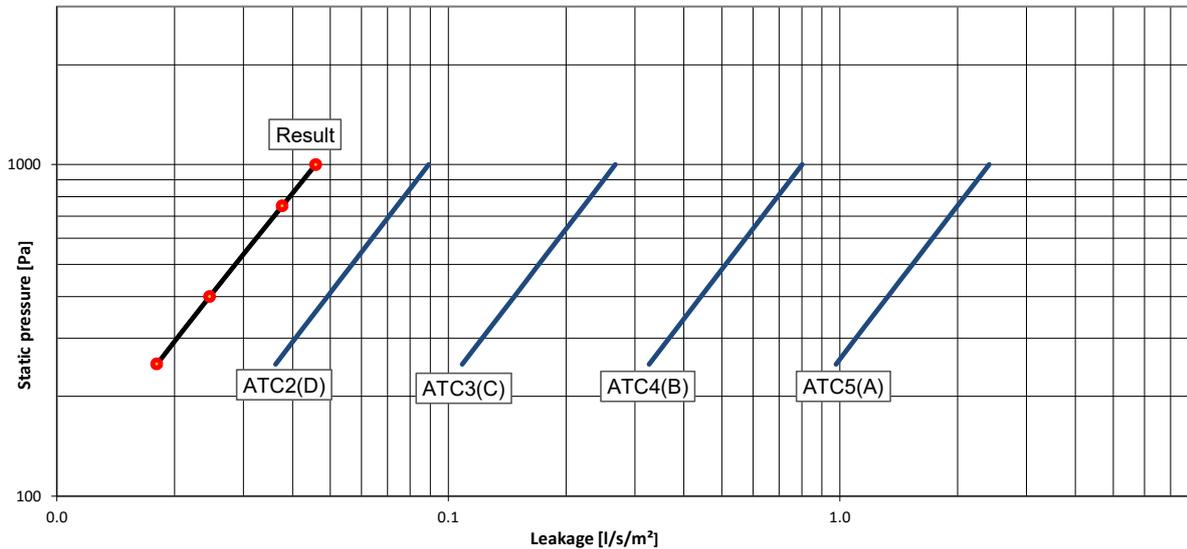
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

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	0.018	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.025	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.038	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.046	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:	25-12-03
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **P_Plenum 400** Result: **ATC2 (D)**

Measurement conditions <input type="checkbox"/>	
Air temperature (C°)	19.1
Atmospheric pressure (hPa)	1012
Correction factor	1.000
Case Width (m)	0.38
Case height (m)	0.38
Case Length (m)	0.315
Duct surface (real) (m ²)	0.48
Duct surface (virtual) (m ²)*	1.52
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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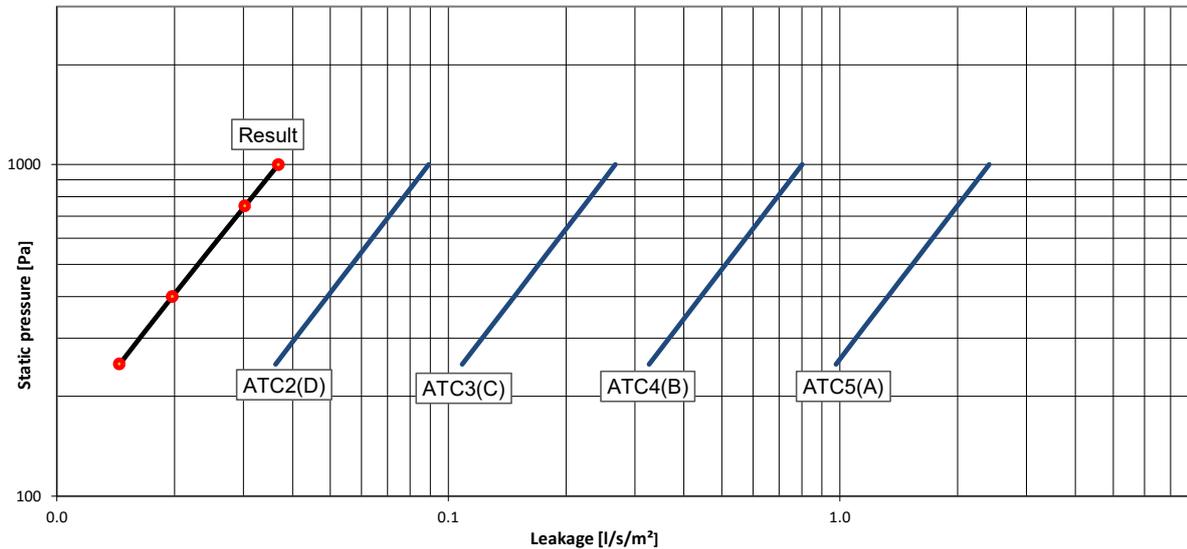
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

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	0.014	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	0.030	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:	25-12-04
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **P_Plenum 500** 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)	0.325
Duct surface (real) (m ²)	0.62
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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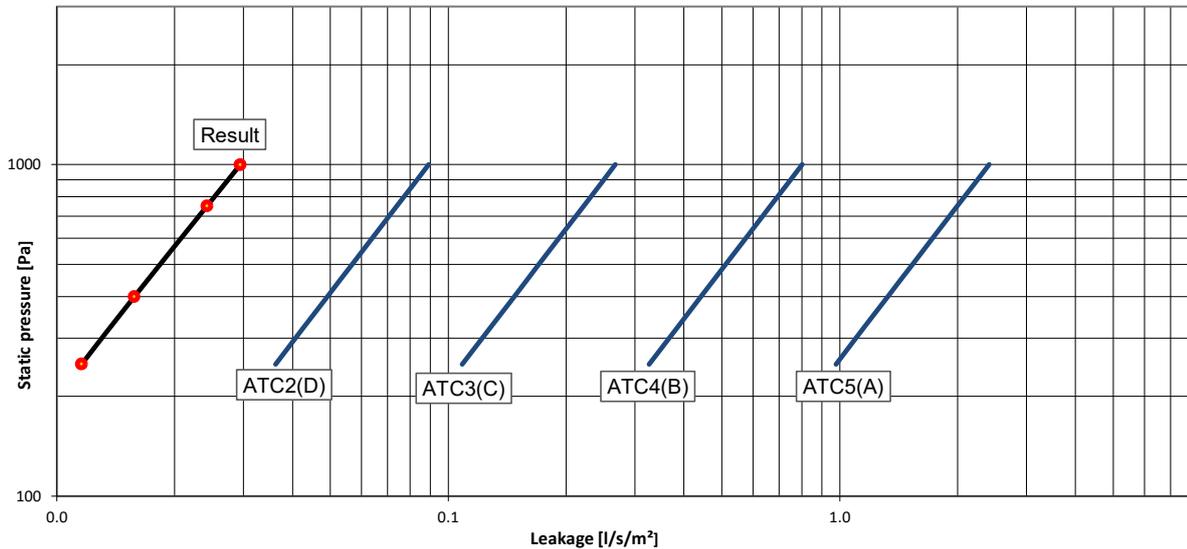
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

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:	25-12-04
Exp. Date:	6/25/2028	Tested by:	GV
Place:	Solid Air Climate Solutions B.V.	Witness by:	HV

Model (Name/Type): **P_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)	0.55
Case height (m)	0.55
Case Length (m)	0.395
Duct surface (real) (m ²)	0.87
Duct surface (virtual) (m ²)*	2.20
<small>* Case length 1m is used in calculations when real Case length <1m (As specified by LUKA)</small>	



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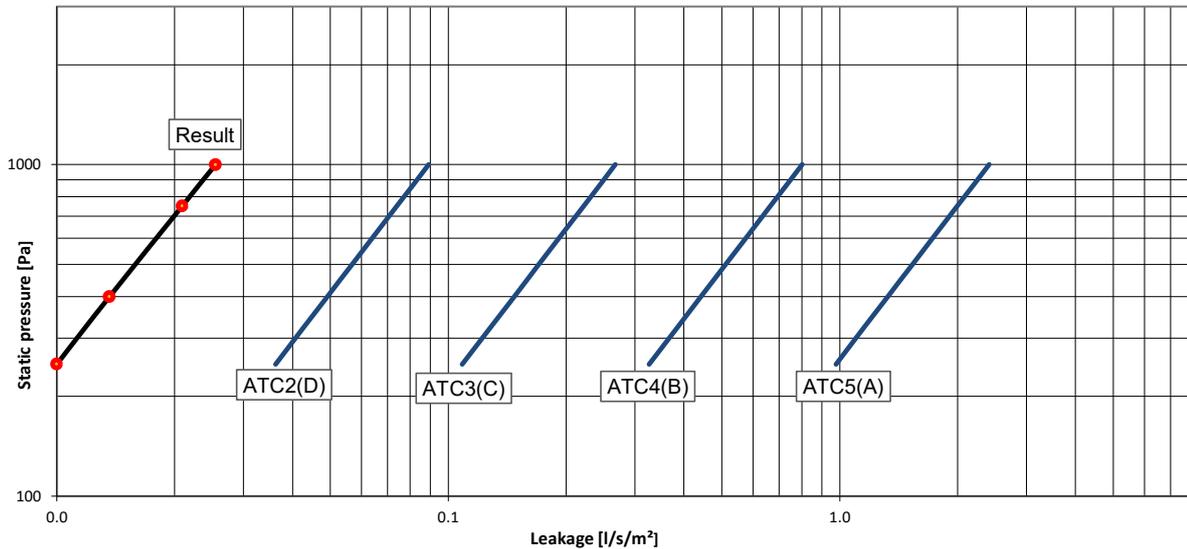
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Measurement equipment	
Brand	Lindab
Air leakage tester type	LT 600
Serial No.	662
Adapter (- / 0,3 / 3,0)	0,3 / 3,0

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

Reading	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	0.010	0.98	0.33	0.11	0.04
2	400	0.030	0.030	0.014	1.33	0.44	0.15	0.05
3	750	0.046	0.046	0.021	2.00	0.67	0.22	0.07
4	1000	0.056	0.056	0.025	2.41	0.80	0.27	0.09

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