

# EN 15727 Test Report Casing Air Leakage Rate

Date: 2-11-2018

Test Reference Number:

M021118-02/TAB

Place: Waalwijk

Tested by: Tom Absil

Witness by: Sander v/d Hoven MR/vs010315

Model (name/type): CWK-H-D-100-3-2,5

Result:

Class D

|                           |        |
|---------------------------|--------|
| Air temperature (°C)      | 22     |
| Atmospheric pressure (Pa) | 102160 |
| Correction factor         | 1,001  |
| Case width (m)            | 0,238  |
| Case Height (m)           | 0,180  |
| Duct Length (m)           | 1      |
| Other                     |        |

|               |          |                |
|---------------|----------|----------------|
| Pressure time | 120 sec. | (standard)     |
| Surface Area: | 0,84     | m <sup>2</sup> |

## Measuring Equipment:

Air leakage tester type: Airflow HVLTK MK4 M (230V)

Serial No: 125286

Date certification: 12-09-2017

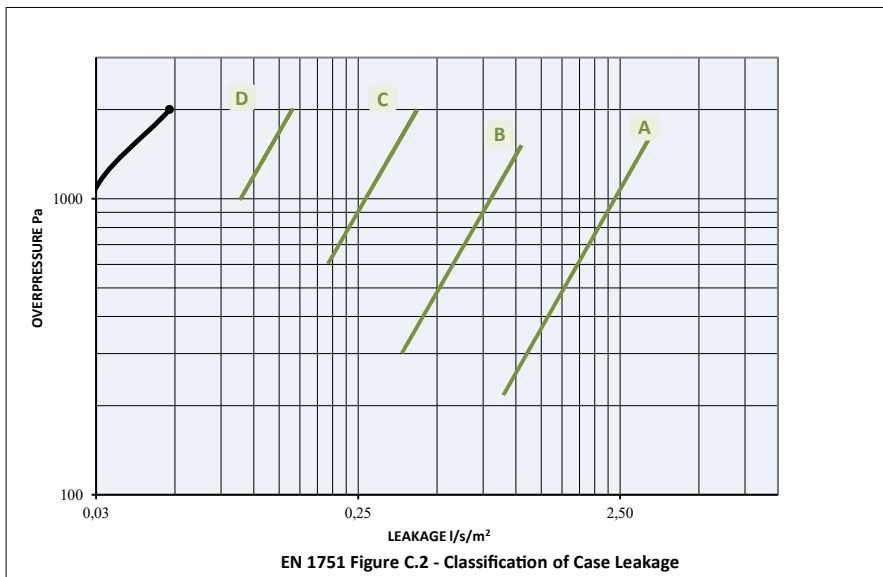
Calibration cert.nr. 21700548



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|         |          |         |             |                       |           | Approximate           |                       |                       |                       |
|---------|----------|---------|-------------|-----------------------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|
|         | Static   |         |             | Leakage               |           | EN 1751               | EN 1751               | EN 1751               | EN 1751               |
| Reading | Pressure | Leakage | Rig Leakage | Duct Surface          | Corrected | Class A               | Class B               | Class C               | Class D               |
|         | (Pa)     | (N l/s) | (l/s)       | (l/s/m <sup>2</sup> ) |           | (l/s/m <sup>2</sup> ) | (l/s/m <sup>2</sup> ) | (l/s/m <sup>2</sup> ) | (l/s/m <sup>2</sup> ) |
| 1       | 400      | 1,03    | 1,01        | 0,024                 | 0,024     | 1,326                 | 0,442                 | -                     | -                     |
| 2       | 1000     | 1,67    | 1,65        | 0,024                 | 0,024     | -                     | 0,802                 | 0,267                 | 0,089                 |
| 3       | 2000     | 2,39    | 2,35        | 0,048                 | 0,048     | -                     | -                     | 0,420                 | 0,140                 |

| From DW/144         |                       |          |                      |                                                                            |
|---------------------|-----------------------|----------|----------------------|----------------------------------------------------------------------------|
| Duct Pressure Class | Static pressure limit |          | Maximum Air Velocity | Air leakage limits litres per second per square metre of duct surface area |
|                     | Positive              | Negative |                      |                                                                            |
| 1                   | 2                     | 3        | 4                    | 5                                                                          |
|                     | Pa                    | Pa       | m/s                  | l/s/m <sup>2</sup>                                                         |
| Low - Class A       | 500                   | 500      | 10                   | $0.027 \times p^{0.65}$                                                    |
| Medium - Class B    | 1000                  | 750      | 20                   | $0.009 \times p^{0.65}$                                                    |
| High - Class C      | 2000                  | 750      | 40                   | $0.003 \times p^{0.65}$                                                    |



|                     |    |
|---------------------|----|
| Visual deformation? | No |
| @ Pa:               | x  |

Approved and certified by

Certificate nr. :

