

BRE Test Report

Testing MVHR product for inclusion in the PCDB of the NCM, SAP
– Brink Flair 325 4/0 R EU

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Results to be used for PCDB

Results of leakage tests

Table Q1

| | |
|-----------------|-------------|
| Internal | Pass |
| External | Pass |

Results for SAP calculations (at minimum flow rate condition)

Table Q2 – Systems with rigid ductwork only *SAP 2005 results*

| Exhaust terminal configuration | Fan speed setting | Air flow rate (l/s) | Specific fan power (W/l/s) | Heat exchange efficiency (%) |
|----------------------------------|-----------------------|------------------------|-------------------------------|---------------------------------|
| Kitchen + 1 additional wet room | 55 m ³ /h | 15.0 | 0.61 | 93 |
| Kitchen + 2 additional wet rooms | 75 m ³ /h | 21.0 | 0.51 | 92 |
| Kitchen + 3 additional wet rooms | 100 m ³ /h | 27.0 | 0.50 | 92 |
| Kitchen + 4 additional wet rooms | 120 m ³ /h | 33.0 | 0.53 | 91 |
| Kitchen + 5 additional wet rooms | 140 m ³ /h | 39.0 | 0.56 | 91 |
| Kitchen + 6 additional wet rooms | 165 m ³ /h | 45.0 | 0.62 | 90 |
| Kitchen + 7 additional wet rooms | 185 m ³ /h | 51.0 | 0.70 | 90 |


Table Q2 – Systems with rigid ductwork only SAP 2012 results

| Exhaust terminal configuration | Fan speed setting | Air flow rate (l/s) | Specific fan power (W/l/s) | Heat exchange efficiency (%) |
|----------------------------------|-----------------------|------------------------|-------------------------------|------------------------------|
| Kitchen + 1 additional wet room | 75 m ³ /h | 21.0 | 0.55 | 92 |
| Kitchen + 2 additional wet rooms | 105 m ³ /h | 29.0 | 0.52 | 92 |
| Kitchen + 3 additional wet rooms | 135 m ³ /h | 37.0 | 0.55 | 91 |
| Kitchen + 4 additional wet rooms | 165 m ³ /h | 45.0 | 0.63 | 90 |
| Kitchen + 5 additional wet rooms | 190 m ³ /h | 53.0 | 0.73 | 90 |
| Kitchen + 6 additional wet rooms | 220 m ³ /h | 61.0 | 0.86 | 89 |
| Kitchen + 7 additional wet rooms | 245 m ³ /h | 69.0 | 1.00 | 89 |