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|--|--|------------------------|
| <b>Type</b>                                | <b>Index number</b>  | <b>Status</b>          |
| Centralised MEV and MVHR systems           | 500329   | Normal                 |
| <b>Brand</b>                               | <b>Model name</b>  | <b>Model qualifier</b> |
| FRÄNKISCHE                                 | profi-air 250 touch  |                        |
| <b>System type</b>                         | balanced whole-house mechanical ventilation with heat recovery |                        |
| <b>Duct type</b>                           | rigid  |                        |
| <b>Minimum duct size</b>                   | 125 mm diameter or 204 x 60 rectangular or larger              |                        |
| <b>Original manufacturer name</b>          | FRÄNKISCHE ROHRWERKE   |                        |
| <b>Current manufacturer name</b>           | FRÄNKISCHE ROHRWERKE   |                        |
| <b>Manufacturer address</b>                | Hellinger Straße 1<br>97486 Königsberg/Bayern<br>Germany       |                        |
| <b>Manufacturer phone</b>                  | +49 9525 88-0  |                        |
| <b>Manufacturer website</b>                | www.fraenkische.com  |                        |
| <b>First year of manufacture</b>           | 2012   |                        |
| <b>Final year of manufacture</b>           | current  |                        |
| <b>Summer bypass</b>                       | unknown  |                        |
| <b>Integrated to exhaust air heat pump</b> | No   |                        |
| <b>Entry updated</b>                       | 24/01/2013 13:36   |                        |

| K+n wet rooms | SFP (W/I/s) [2009] | Efficiency (%) [2009] | SFP (W/I/s) [2012] | Efficiency (%) [2012] |
|---------------|--------------------|-----------------------|--------------------|-----------------------|
| n = 1         | 0.81               | 90%                   | 0.74               | 90%                   |
| n = 2         | 0.72               | 90%                   | 0.78               | 90%                   |
| n = 3         | 0.76               | 89%                   | 0.92               | 88%                   |
| n = 4         | 0.81               | 89%                   | 1.11               | 87%                   |
| n = 5         | 0.91               | 88%                   | 1.32               | 86%                   |
| n = 6         | 1.06               | 87%                   | 1.55               | 85%                   |
| n = 7         | 1.23               | 87%                   | -                  | -                     |

## In-use factors

In-use factors are shown as multiplying factors for SFP or MVHR efficiency

### Default In-use Factors

|                   | SFP           | SFP        | SFP     | Efficiency       | Efficiency     | Last updated        |
|-------------------|---------------|------------|---------|------------------|----------------|---------------------|
|                   | Flexible duct | Rigid duct | No duct | Uninsulated duct | Insulated duct |                     |
| MEV centralised   | 1.70          | 1.40       |         |                  |                | 16/12/2011<br>08:02 |
| MEV decentralised | 1.45          | 1.30       | 1.15    |                  |                | 12/05/2007<br>09:52 |
| MVHR              | 1.70          | 1.40       |         | 0.70             | 0.85           | 16/12/2011<br>08:02 |
| Default           | 2.50          | 2.50       | 2.50    | 0.70             | 0.70           | 15/10/2007<br>12:16 |

### Approved Installation Scheme In-use factors

|                   | SFP           | SFP        | SFP     | Efficiency       | Efficiency     | Last updated        |
|-------------------|---------------|------------|---------|------------------|----------------|---------------------|
|                   | Flexible duct | Rigid duct | No duct | Uninsulated duct | Insulated duct |                     |
| MEV centralised   | 1.60          | 1.30       |         |                  |                | 16/12/2011<br>08:02 |
| MEV decentralised | 1.45          | 1.30       | 1.15    |                  |                | 12/05/2007<br>09:52 |
| MVHR              | 1.60          | 1.25       |         | 0.70             | 0.85           | 16/12/2011<br>08:02 |
| Default           | 2.50          | 2.50       | 2.50    | 0.70             | 0.70           | 15/10/2007<br>12:16 |