

## SAP Appendix Q Testing Results

### Central exhaust ventilation system packages used in a single dwelling

<b>Brand Name</b>		Manrose
<b>Model</b>		MANI2000
<b>Model Qualifier (if applicable)</b>		
<b>Current Manufacturer and Contact Details</b>	<b>Name</b>	Manrose Manufacturing Ltd
	<b>Address</b>	1 Albion Close Slough Berkshire SL2 5DT
	<b>Telephone</b>	01753 691399
	<b>Website</b>	<a href="http://www.manrose.co.uk">www.manrose.co.uk</a>
<b>Original Manufacturer (if different)</b>		
<b>First Year of Manufacture</b>		
<b>Last Year of Manufacture</b>		
<b>Testing Body</b>		BRE
<b>Date of test</b>		17/3/06
<b>Serial Number of Product Tested</b>		432291
<b>MEV to outside duct type and size</b>		150mm diameter rigid plastic
<b>Kitchen to MEV duct type and size</b>		125mm diameter rigid plastic
<b>Wet room to MEV duct type and size</b>		125mm diameter rigid plastic

#### Results for SAP calculations (at minimum flow rate condition)

This product has only been tested with rigid ductwork and it is not applicable for SAP Appendix Q if installed with flexible ductwork.

**Table Q1 – Systems with rigid ductwork only**

Exhaust terminal configuration	Fan speed setting	Specific fan power (W/l/s)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 1 additional wet room	House 2 75%	<b>0.24</b>	Yes
Kitchen + 2 additional wet rooms	House 2 75%	<b>0.18</b>	Yes
Kitchen + 3 additional wet rooms	House 3 75%	<b>0.21</b>	Yes

These figures are entered into either:

- (a) In the case of SAP software amended to SAP 2005 version 9.81 allowing direct entry of centralised MEV data, the SAP software, or
- (b) In the case of SAP software amended to SAP 2005 version 9.81 not allowing direct entry of MEV data, the SAP Q MEV Calculation Spreadsheet v9.81 and the results from the spreadsheet into the Special Features part of the SAP 9.81 software, or
- (c) In the case of SAP software to SAP 2005 version 9.80 , the SAP Q MEV Calculation Spreadsheet v9.80 and the results from the spreadsheet into the Special Features part of the SAP 9.80 software. They must **NOT** be entered directly into SAP 2005 version 9.80 software

**Table Q2 – Systems with flexible ductwork only**

Exhaust terminal configuration	Fan speed setting	Specific fan power (W/l/s)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 1 additional wet room	N/A	<b>N/A</b>	N/A

**Results for Approved Document F (at maximum flow rate condition)**

**Table Q3**

Exhaust terminal configuration	Fan speed setting	Total flow rate (l/s)	Total flow rate – wind condition (l/s)	% reduction of total flow rate
Kitchen + 1 additional wet room	House 2 75%	26.5	23.8	10
Kitchen + 2 additional wet rooms	House 2 75%	30.5	27.5	10
Kitchen + .. additional wet rooms	House 3 75%	41.1	38.7	6

**Comments**

Only figures from Table Q1 or Table Q2, not both, should be used with the SAP Q Calculation Spreadsheet for this technology type.

Table Q3 results are only applicable for Approved Document F requirements.