**HRX-aQ**

**MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR)**

**Efficient**

**Ultimate performance**

Whilst the HRX-aQ is the most compact MVHR ceiling unit, its energy efficient performance has not been compromised. Providing Specific Fan Powers as low as 0.72 (W/l/s) and a heat exchange efficiency up to 87%, the unit will efficiently lower Dwelling Emission Rates for a higher SAP rating.

**Key**

1. 30% Performance
2. 33% Performance
3. 50% Performance
4. 60% Performance
5. 70% Performance
6. 100% Performance

**Dimensional drawing**

Weight: 7.9Kg (1.2st)

**Note:** Specific Fan Power combined with heat exchange efficiency is how MVHR units are measured and used towards calculating overall system performance.
### Performance - HRX-aQ

<table>
<thead>
<tr>
<th>Speed setting</th>
<th>Test</th>
<th>Sound Power Levels dB re 1pW</th>
<th>Sound Pressure dB(A) 3m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>63</td>
<td>125</td>
</tr>
<tr>
<td>99%</td>
<td>Open inlet</td>
<td>42</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Open outlet</td>
<td>45</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>Breakout</td>
<td>49</td>
<td>57</td>
</tr>
<tr>
<td>70%</td>
<td>Open inlet</td>
<td>46</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>Open outlet</td>
<td>40</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>Breakout</td>
<td>43</td>
<td>49</td>
</tr>
<tr>
<td>50%</td>
<td>Open inlet</td>
<td>48</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Open outlet</td>
<td>38</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>Breakout</td>
<td>48</td>
<td>44</td>
</tr>
<tr>
<td>33%</td>
<td>Open inlet</td>
<td>42</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Open outlet</td>
<td>42</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>Breakout</td>
<td>46</td>
<td>40</td>
</tr>
</tbody>
</table>

### HRX-aQ PRODUCT CHARACTERISTICS DATABASE (SAP 2012)

<table>
<thead>
<tr>
<th>AGH200-S</th>
<th>Thermal Bypass</th>
<th>Specific Fan Power W/(l/s)</th>
<th>Heat Exchange Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitchen + 1 wetroom</td>
<td>X</td>
<td>0.72</td>
<td>87</td>
</tr>
<tr>
<td>Kitchen + 2 wetrooms</td>
<td>X</td>
<td>0.88</td>
<td>84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGH200-B</th>
<th>Thermal Bypass</th>
<th>Specific Fan Power W/(l/s)</th>
<th>Heat Exchange Efficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kitchen + 1 wetroom</td>
<td>✓</td>
<td>0.75</td>
<td>83</td>
</tr>
<tr>
<td>Kitchen + 2 wetrooms</td>
<td>✓</td>
<td>0.95</td>
<td>81</td>
</tr>
</tbody>
</table>

The breakout case-radiated dBA values are given for Hemispherical free field radiation at 3m - to obtain the Spherical radiated data, subtract 3 dBA. *Noise not normally heard by the human ear.*

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