The Lo-Watt fan is designed for wall mounting only.

- Standard/timer/humidity versions available.
- Reduces power consumption.
- Uses up to 80% less energy compared to a standard fan.
- Lower running costs.
- SELV (Safety Extra Low Voltage) models also available.
- Quiet and efficient, the 100mm (4") series has an impressive extract rate of 75m³/hr, 21 litres per second.
- The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Designed to comply with the Building Regulations on Ventilation (F1).
- SFP (Specific Fan Power) 0.29

**Building Regulations - Domestic**

The Building Regulations introduced in 2010 – Domestic dwellings, gives the recommended Watts per litre per second (W/l/s) for each type of fan, to be used in new buildings.

Our range of Lo-Watt fans are specifically designed to meet the regulations.

<table>
<thead>
<tr>
<th>Table 32: Minimum provisions for mechanical ventilation systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standards for new and replacement systems information</strong></td>
</tr>
<tr>
<td><strong>Supplementary information</strong></td>
</tr>
<tr>
<td><strong>1.0 Fan power</strong></td>
</tr>
<tr>
<td>a. Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than:</td>
</tr>
<tr>
<td>i. 0.5 W/l/s for intermittent extract ventilation systems;</td>
</tr>
<tr>
<td>ii. 0.7 W/l/s for continuous extract ventilation systems;</td>
</tr>
<tr>
<td>iii. 0.5 W/l/s for continuous supply ventilation systems;</td>
</tr>
<tr>
<td>iv. 1.5 W/l/s for continuous supply and extract with heat recovery ventilation systems.</td>
</tr>
</tbody>
</table>
Technical Details

**Cat. No.** | **Product type** |
--- | --- |
LW100S | Lo Watt Standard Fan |
LW100T | Lo Watt Timer Fan incorporating a 1-20min over run |
LW100H | Lo Watt Humidity Timer Fan Incorporating a 1-20min over run and adjustable humidistat 20-90% RH |

Safety Extra Low Voltage (SELV) includes fan and transformer

SELVLW100S | Lo Watt Standard Fan |
SELVLW100T | Lo Watt Timer Fan incorporating a 1-20min over run |
SELVLW100H | Lo Watt Humidity Timer Fan Incorporating a 1-20min over run and adjustable humidistat 20-90% RH |

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Product</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>LW100</td>
<td>163</td>
<td>098</td>
<td>97</td>
<td>30</td>
<td>163</td>
</tr>
<tr>
<td>SELVLW</td>
<td>82</td>
<td>145</td>
<td>78</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Series LW100

Transformer SELVLW 100

Fitted on standard 25mm deep double pattress

Performance Graph

LW100 75m³/hr at 21 litres per

**Installation**

LW100 Series designed for wall mounting only. Through 100mm (4") diameter flexible or rigid pipes.

**Electrical**

220-240 - DC. 50Hz Single phase consuming 4.3 Watts. The LW100 is powered by a brushless motor. All wiring must comply with current IEE regulations. A double pole isolating switch, having contact separation of at least 3mm in all poles, must be used with a 3amp fuse fitted. The fan must not be accessible to a person using either the shower or the bath (use SELV model) and mounted a minimum of 1.8metres from the floor.

**Additional Data**

- Maximum pressure: 20 p.a
- Fan speed: 3123 r.p.m
- Sound volume: 38.0 dB(A)
- Maximum operating temperature: 45°C