



# Lo-Watt™ Range

80% energy saving

## Domestic Range

LW100/SELV/LW100



- The Lo-Watt fan is designed for wall mounting only.
- Standard & timer 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 75m<sup>3</sup>/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 32: Minimum provisions for mechanical ventilation systems		
	Standards for new and replacement systems information	Supplementary information
<b>1.0 Fan power</b>	a. Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than: i. 0.5 W/l/s for intermittent extract ventilation systems; ii. 0.7 W/l/s for continuous extract ventilation systems; iii. 0.5 W/l/s for continuous supply ventilation systems; iv. 1.5 W/l/s for continuous supply and extract with heat recovery ventilation systems.	



## Technical Details

Cat. No.	Product type
LW100S	Lo Watt Standard Fan
LW100T	Lo Watt Timer Fan incorporating a 1-20min over run

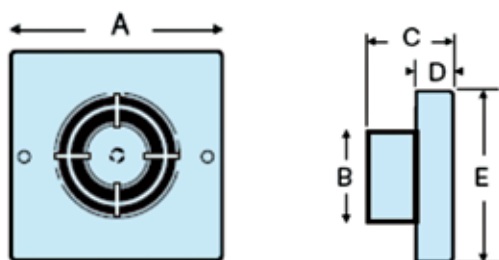
Safety Extra Low Voltage (SELV) includes fan and transformer

SELVLW100S	Lo Watt Standard Fan
SELVLW100T	Lo Watt Timer Fan incorporating a 1-20min over run

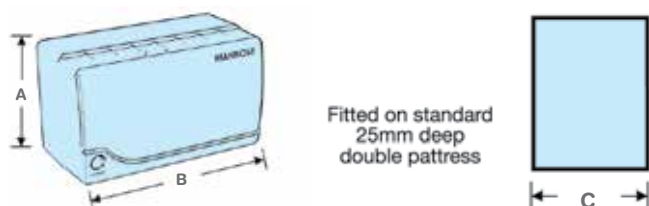
### Dimensions (mm)

Product	A	B	C	D	E
LW100	163	Ø98	97	30	163
SELVLW	82	145	78		

Series LW100

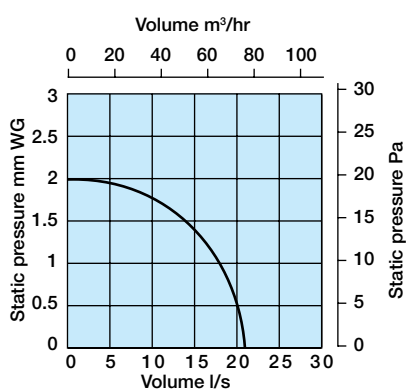


Transformer SELVLW 100



### Performance Graph

LW100 75m<sup>3</sup>/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