



Lo-Watt™ Range

80% energy saving

Domestic Range

LW100/SELV/LW100



- 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 32: Minimum provisions for mechanical ventilation systems		
	Standards for new and replacement systems information	Supplementary information
1.0 Fan power	a. Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than: <ul style="list-style-type: none"> 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.

LW100S

Product type

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

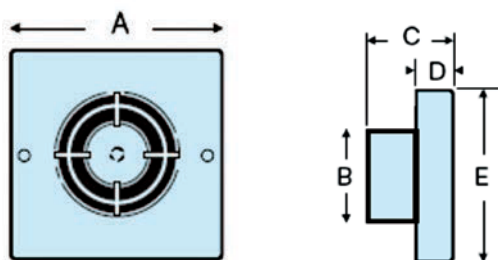
SELVLW100H

Lo Watt Humidity Timer Fan Incorporating a 1-20min over run and adjustable humidistat 20-90% RH

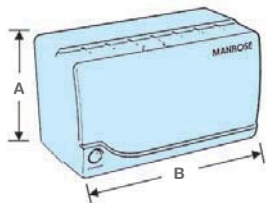
Dimensions (mm)

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

Series LW100



Transformer SELVLW 100

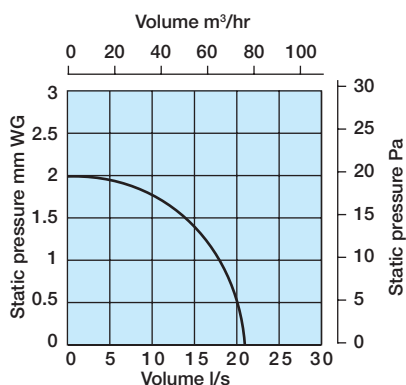


Fitted on standard 25mm deep double pattress



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