

**Typical Specification Greenwood Omnique OF100SBD  
Secured by Design approved for Window Installation in Bathroom, Kitchen and WC**

Supply and install an OF100SBD multifunction mechanical extract fan as manufactured by Greenwood Airvac, A division of Zehnder Group UK Limited, Unit 4, Watchmoor Point, Camberley, Surrey GU15 3AD.

The fan shall be manufactured using ABS and have a low energy DC motor with sealed, self-lubricated bearings and provided with thermal overload protection. It shall have a mixed flow, backward curved impellor and provide a minimum of IPX4 protection (splashing water).

It will also have been independently tested and have UKAS accreditation for all models used and Secured by design (SBD) accreditation for window mounted units, ordered under the OF100SBD code.

The single fan should be capable of 6 stage multiple functionality to provide the following range of GIP control options to offer an adaptive ventilation strategy;

- Basic Intermittent (*single Boost up to 62 l/s*)
- Continuous running (*dual Adjustable Trickle & Boost 6 l/s – 62 l/s*)
- Advanced TimerSmart™ controls – (*using variable length of boost operating time depending upon room occupancy duration*)
- Advanced HumidiSmart™ controls – (*using electronic sensors designed to operate the unit in response to humidity spikes NOT natural background humidity levels, as opposed to a single threshold humidity point to activate the boost facility*)
- Pull cord (*to manually operate Boost to on site GIP commissioned setting*)
- Safety extra low voltage. (*separate detachable SELV unit*)

During intermittent operation, the fan shall have an actuated mechanical backdraught shutter assembly to protect against backdraughts.

Multiple functionality shall be selected via the unit's electronic commissioning keypad.

***The OF100SBD fan is supplied complete with the SBD window kit included for window only. Fans required for wall or ceiling fixing should be ordered as OF100GIP with appropriate ducting and grill configurations.***

The fan shall conform to LVD, EMC and Secured by Design standards and be CE Marked. It shall be double insulated to meet the IEE wiring regulations. Installation shall be in line with Good Practice, such as the Domestic Ventilation Compliance Guide (England and Wales).