

# WAD-B

## Warm Air Dehumidifier Bathroom Fan

### ABOUT THE WARM AIR DEHUMIDIFIER

The Warm Air Dehumidifier for Bathrooms is a fully automated bathroom fan, with dual actions of both intake and extraction of air, with the benefit of warming the fresh external air when it is drawn into the building.

This unique feature is available using a single vent to the outside, that will fit on to your existing fan vent.

The unit is completely automatic and operating for your maximum benefit and air condition with internal humidity control, external temperature sensor, light switch timed overrun and options including air quality control of both intake and ambient room air.

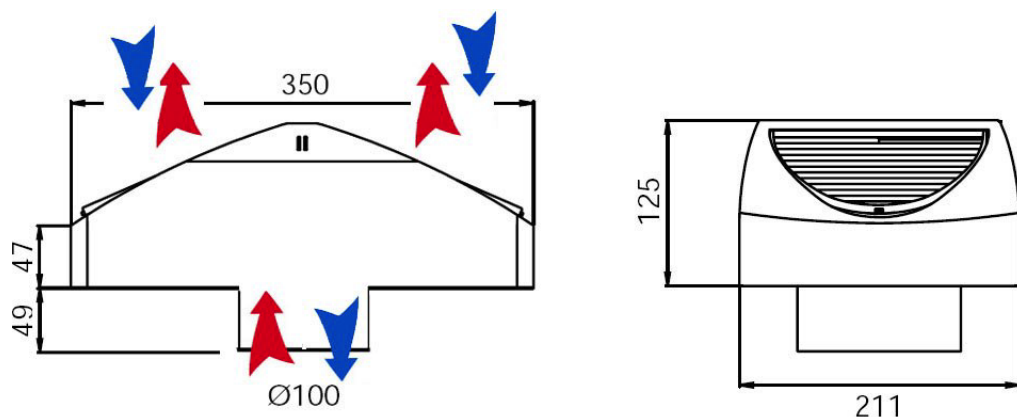


### WAD-B FEATURES AND BENEFITS

1. Fully Automatic warm air dehumidifier that benefits your home throughout by introducing warm, fresh air into the bathroom, which will radiate further into the dwelling.
2. Extracts air during times of occupancy, expelling excess airborne moisture.
3. Your existing fan in the bathroom can be exchanged as this is a standard 100mm connection
4. This positive pressure system requires no extra ducting to be extended in to the centre of the property as the air naturally expels past the bathroom door and in to the middle of your home.
5. The 200 watt heater only works when the external temperature is below 14°C and is not required when the fan is in extract mode.
6. Incorporates the RHL Autostat humidity controller which continually monitors ambient humidity and automatically adjusts the control level accordingly
7. Can be fixed in any orientation without affecting performance (wall, ceiling)
8. Polycarbonate ABS mix with fire retardant housing which provides a robust and high temperature resistant casing.
9. Produces up to 80m<sup>3</sup>/h of air flow thereby conforming to building regulations part F
10. Manual override extract option via light switch
11. Pull cord on off switch for internal heater
12. Optional air quality sensor to be installed separately detecting bathroom conditions and positioned to detect the external air and will switch to extract at times of low air quality.

Part Number	Description	Contents
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WAD B S	Warm Air Dehumidifier Bathroom Standard	Complete with fan, heater, Autostat, pull cord switch, ducting tape and external grill
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Input		General	
Input Voltage	220-240V 50Hz	Operating temperature	-10° to +40°C
Fan input power (trickle)	4.5W	Storage temperature	-15° to +40°C
Fan input power (boost)	6.5W	Weight	2.3kg
Heater	200W	RoHS compliance	yes
Earth leakage	Class II construction, no earth	Optional extras	Remote air quality sensor
Performance		Mechanical	
Air flow (intake)	40m³/hr max	Housing material	Polycarbonate ABS
Air flow (extract)	85m³/hr max	Impact strength	390 J/m (ASTM D790)
Static pressure intake/extract	75Pa / 150 Pa	Flammability	UL94 V-0 (2.10mm) 5VA (2.50mm)
Acoustic noise	30 dB(A)	Flame retardant	Non-halogen
Life expectancy	>50,000 hours	Heat distortion	110°C
Specific fan power	0.2 W/(l/s)	UV resistance	1.0(delta E), 300 hours, ASTM D4459
Protection	Locked rotor automatic restart		

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