

**Declaration of Performance
Residential Ventilation Unit Greenwood RF90 Range**

Supplier Name or Trade Mark	Greenwood Airvac			Greenwood Airvac			Greenwood Airvac		
Model Identifier	RF90BW			RF90TW			RF90TW / HTW		
Options Installed ¹	Manual Control (via manual switch)			Manual Control (via manual switch)			Local Demand Control (with 1 sensor)		
SEC in [kWh/(m ² a)] for Each Climate ² (Cold, Average, Warm)	-26.8	-13.5	-5.8	-26.8	-13.5	-5.8	-51.0	-25.9	-11.5
SEC Class (Cold, Average, Warm)	B	E	F	B	E	F	A+	C	E
Declared Typology	Unidirectional			Unidirectional			Unidirectional		
Type of Motor Drive Installed	On/Off Single Speed			On/Off Single Speed			On/Off Single Speed		
Type of Heat Recovery ³	None			None			None		
Heat Recovery Efficiency ⁴	n/a			n/a			n/a		
Maximum Flow Rate in [m ³ /h] / [l/s] ⁵	94 / 26			97 / 27			97 / 27		
Electric Power Input at Maximum Flow Rate [W] ⁶	21.1			22.2			22.2		
Sound Power Level (L _{WA}) in [dB(A)] ⁷	52			52			52		
Sound Pressure Level (L _{PA}) in [dB(A)] ⁸	35			35			35		
Reference Flow Rate in [m ³ /h] / [l/s] ⁹	n/a			n/a			n/a		
Reference Pressure Difference	0			0			0		
SPI in [W/(m ³ /h)] ¹⁰	0.22			0.23			0.23		
Control Factor and Typology	1			1			0.65		
Declared Maximum Internal and External Leakage [%] ¹¹	Internal: n/a External: n/a			Internal: n/a External: n/a			Internal: n/a External: n/a		
Position and Description of Visual Filter Warning	See Instructions			See Instructions			See Instructions		
Internet Address for Preassembly / Disassembly Instructions	www.greenwood.co.uk			www.greenwood.co.uk			www.greenwood.co.uk		

- 1: Type of Sensor: Integral Humidity Sensor or via Occupancy Sensor, i.e. switch-live activation.
2: Intermittent Ventilation: SEC calculations based on unit running for 1 ½ hours per day.
3: Type of Heat Recovery: Recuperative is without humidity recovery and Renewable is with humidity recovery.
4: Efficiency according to EN13141-7:2010 at reference airflow rate @ 0 Pa; and according to EN13141-8:2014 systems without connection.
5: Maximum flow at 0 Pa external pressure (shown in both m³/h and l/s).
6: Electrical power input at the maximum airflow rate (Watts).
7: Casing noise radiation at maximum flow rate at 0 Pa external pressure.
8: Sound Pressure Level measured at 3 metres.
9: If applicable, reference flow rate is 70% of the maximum airflow at 0 Pa external pressure according to EN13141-7:2010 (shown in both m³/h and l/s).
10: In accordance with EN13141-7:2010 at reference flow rate.
11: In accordance with EN13141-7:2010 at reference flow rate, and EN13141-8:2014 systems without connection.
- SEC: Specific Energy Consumption
SPI: Specific Power Input
AEC: Annual Electricity Consumption
AHS: Annual Heating Saved