

**Declaration of Performance  
Residential Ventilation Unit Greenwood SF90 Range**

Supplier Name or Trade Mark	Greenwood Airvac			Greenwood Airvac			Greenwood Airvac			Greenwood Airvac			Greenwood Airvac		
Model Identifier	SF90B			SF90T			SF90T / HT			SF90A			SF90A		
Options Installed <sup>1</sup>	Manual Control (via manual switch)			Manual Control (via manual switch)			Local Demand Control (with 1 sensor)			Manual Control (via manual switch)			Local Demand Control (with 1 sensor)		
SEC in [kWh/(m <sup>2</sup> a)] for Each Climate <sup>2</sup> (Cold, Average, Warm)	-26.8	-13.5	-5.8	-26.8	-13.5	-5.8	-51.0	-25.9	-11.5	-16.9	-3.6	4.1	-45.1	-20.0	-5.7
SEC Class (Cold, Average, Warm)	B	E	F	B	E	F	A+	C	E	E	F	G	A+	D	F
Declared Typology	Unidirectional			Unidirectional			Unidirectional			Unidirectional			Unidirectional		
Type of Motor Drive Installed	On/Off Single Speed			On/Off Single Speed			On/Off Single Speed			2 Speed			2 Speed		
Type of Heat Recovery <sup>3</sup>	None			None			None			None			None		
Heat Recovery Efficiency <sup>4</sup>	n/a			n/a			n/a			n/a			n/a		
Maximum Flow Rate in [m <sup>3</sup> /h] / [l/s] <sup>5</sup>	94 / 26			93 / 26			93 / 26			83 / 23			83 / 23		
Electric Power Input at Maximum Flow Rate [W] <sup>6</sup>	20.9			20.8			20.8			21.0			21.0		
Sound Power Level (L <sub>WA</sub> ) in [dB(A)] <sup>7</sup>	54			54			54			54			54		
Sound Pressure Level (L <sub>PA</sub> ) in [dB(A)] <sup>8</sup>	37			37			37			37			37		
Reference Flow Rate in [m <sup>3</sup> /h] / [l/s] <sup>9</sup>	n/a			n/a			n/a			n/a			n/a		
Reference Pressure Difference	0			0			0			0			0		
SPI in [W/(m <sup>3</sup> /h)] <sup>10</sup>	0.22			0.22			0.22			0.25			0.25		
Control Factor and Typology	1			1			0.65			1			0.65		
Declared Maximum Internal and External Leakage [%] <sup>11</sup>	Internal: n/a External: n/a			Internal: n/a External: n/a			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			See Instructions			See Instructions		
Internet Address for Preassembly / Disassembly Instructions	www.greenwood.co.uk			www.greenwood.co.uk			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 1/2 hours per day. Continuous Ventilation: SEC calculations based on trickle speed continuous & boost running for 1 1/2 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 m<sup>3</sup>/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 m<sup>3</sup>/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