

Declaration of Performance Heat Recovery Unit Greenwood Vireo HR155WM

Supplier Name or Trade Mark	Greenwood Airvac			Greenwood Airvac			Greenwood Airvac			Greenwood Airvac		
Supplier Model Identifier and Options Installed	Manual Control (via manual switch)			Clock Control (via 7 day timer control)			Central Demand Control (with 1 sensor)			Local Demand Control (with 2 or more sensors)		
SEC in [kWh/(m ² a)] for Each Climate (Cold, Average, Warm)	-73.5	-35.0	-10.4	-74.8	-36.2	-11.5	-77.3	-38.4	-13.5	-81.6	-42.1	-16.9
SEC Class (Cold, Average, Warm)	A+	A	E	A+	A	E	A+	A	E	A+	A+	E
Declared Typology	Bidirectional			Bidirectional			Bidirectional			Bidirectional		
Type of Motor Drive Installed	Variable Speed			Variable Speed			Variable Speed			Variable Speed		
Type of Heat Recovery ¹	Recuperative			Recuperative			Recuperative			Recuperative		
Heat Recovery Efficiency ²	90%			90%			90%			90%		
Maximum Flow Rate in [m ³ /h] / [l/s] ³	279 / 77			279 / 77			279 / 77			279 / 77		
Electric Power Input at Maximum Flow Rate [W] ⁴	154			154			154			154		
Sound Power Level (L _{WA}) in [dB(A)] ⁵	50			50			50			50		
Reference Flow Rate in [m ³ /h] / [l/s] ⁶	191 / 53			191 / 53			191 / 53			191 / 53		
Reference Pressure Difference	50			50			50			50		
SPI in [W/(m ³ h)] ⁷	0.33			0.33			0.33			0.33		
Control Factor and Typology	1			0.95			0.85			0.65		
Declared Maximum Internal and External Leakage [%] ⁸	Internal: 2.7% External: 2.9%			Internal: 2.7% External: 2.9%			Internal: 2.7% External: 2.9%			Internal: 2.7% External: 2.9%		
Position and Description of Visual Filter Warning	Details within Homeowner Guide			Details within Homeowner Guide			Details within Homeowner Guide			Details within Homeowner Guide		
Internet Address for Preassembly / Disassembly Instructions	www.greenwood.co.uk			www.greenwood.co.uk			www.greenwood.co.uk			www.greenwood.co.uk		
AEC (kWh electricity/a) for Each Climate (Cold, Average, Warm)	16.2	10.8	10.3	15.2	9.8	9.3	13.3	7.9	7.5	10.2	4.8	4.4
AHS (in kWh primary energy/a) for Each Climate (Cold, Average, Warm)	89.6	45.8	20.7	89.9	46.0	20.8	90.6	46.3	20.9	91.8	46.9	21.2

1: Type of Heat Recovery; Recuperative is without humidity recovery and Renewable is with humidity recovery.

2: Efficiency according to EN13141-7:2010 at reference airflow rate @ 50 Pa; and according to EN13141-8:2014 systems without connection.

3: Maximum flow at 100 Pa external pressure (shown in both m³/h and l/s).

4: Electrical power input at the maximum airflow rate (Watts).

5: Casing noise radiation at reference flow rate at 50 Pa external pressure.

6: Reference flow rate is 70% of the maximum airflow at 50 Pa external pressure according to EN13141-7:2010 (shown in both m³/h and l/s).

7: In accordance with EN13141-7:2010 at reference flow rate.

8: 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