

Information requirement for RVUs as per EU Regulation No. 1254/2014 Heat Recovery Unit Zehnder ComfoAir 185 WM

Supplier's Name or Trade Mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier's Model Identifier	CA185WM-GB			CA185WM-GB			CA185WM-GB			CA185WM-GB		
SEC in [kWh/(m ² a)] Specific Energy Consumption (Cold, Average, Warm)	-80.7	-42.0	-17.1	-81.4	-42.5	-17.6	-82.6	-43.4	-18.4	-84.8	-45.1	-19.7
SEC Class	A+	A	E	A+	A	E	A+	A	E	A+	A+	E
Type of Ventilation Unit	Bidirectional RVU			Bidirectional RVU			Bidirectional RVU			Bidirectional RVU		
Type of Drive Installed	Variable Speed			Variable Speed			Variable Speed			Variable Speed		
Type of Heat Recovery System	Recuperative			Recuperative			Recuperative			Recuperative		
Thermal Efficiency [%]	91			91			91			91		
Maximum Flow Rate in [m ³ /h] / [l/s]	288 / 80			288 / 80			288 / 80			288 / 80		
Electric Power Input [W]	150			150			150			150		
Sound Power Level [dB(A)]	55			55			55			55		
Reference Flow Rate in [m ³ /h] / [l/s]	202 / 56			202 / 56			202 / 56			202 / 56		
Reference Pressure Difference [Pa]	50			50			50			50		
SPI [W/(m ³ /h)]	0.3			0.3			0.3			0.3		
Control Factor and Typology	1 Manual Control			0.95 Clock-Controlled			0.85 Central Demand Control			0.65 Local Demand Control		
Declared Maximum Internal and External Leakage Rates [%]	Internal: 2.4% External: 2.3%			Internal: 2.4% External: 2.3%			Internal: 2.4% External: 2.3%			Internal: 2.4% External: 2.3%		
Mixing Rate	-			-			-			-		
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 Assembly and Disassembly Instructions	www.zehnder.co.uk			www.zehnder.co.uk			www.zehnder.co.uk			www.zehnder.co.uk		
Airflow Sensitivity to Pressure Variations [%]	-			-			-			-		
Indoor / Outdoor Air Tightness [m ³ /h]	-			-			-			-		
AEC (kWh/a) Annual Electricity Consumption (Cold, Average, Warm)	955	418	373	918	381	336	851	314	269	740	203	158
AHS (kWh/a) Annual Heating Energy Saved (Cold, Average, Warm)	9026	4614	2086	9054	4628	2093	9110	4657	2106	9222	4714	2132