

Declaration of Performance

Heat Recovery Unit Zehnder ComfoAir 155 CM

Supplier's Name or Trade Mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier Model Identifier	CA155CM-GB			CA155CM-GB			CA155CM-GB			CA155CM-GB		
Control Typology	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)	-80.6	-41.8	-17.0	-81.2	-42.4	-17.4	-82.5	-43.3	-18.3	-84.8	-45.1	-19.7
SEC Class (Cold, Average, Warm)	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]	278 / 77			278 / 77			278 / 77			278 / 77		
Electric Power Input [W]	152			152			152			152		
Sound Power Level [dB(A)]	46			46			46			46		
Reference Flow Rate in [m ³ /h] / [l/s]	195 / 54			195 / 54			195 / 54			195 / 54		
Reference Pressure Difference	50			50			50			50		
SPI [W/(m ³ /h)]	0.31			0.31			0.31			0.31		
Control Factor and Typology	1			0.95			0.85			0.65		
Declared Maximum Internal and External Leakage [%]	Internal: 1.2% External: 1.1%			Internal: 1.2% External: 1.1%			Internal: 1.2% External: 1.1%			Internal: 1.2% External: 1.1%		
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 Preassembly / 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 electricity/a) for Each Climate (Cold, Average, Warm)	9.7	4.3	3.9	9.3	3.9	3.5	8.6	3.2	2.8	7.4	2.1	1.6
AHS (in kWh primary energy/a) for Each Climate (Cold, Average, Warm)	90.3	46.1	20.9	90.5	46.3	20.9	91.1	46.6	21.1	92.2	47.1	21.3