

Information requirement for RVUs as per EU Regulation No. 1254/2014 Heat recovery unit Zehnder ComfoAir Q450												
Supplier's name or trade mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier's model identifier	ComfoAir Q450			ComfoAir Q450			ComfoAir Q450			ComfoAir Q450		
SEC [kWh/(m ² a)] specific energy consumption (cold, average, warm)	-80,0	-40,7	-15,5	-80,7	-41,2	-16,0	-82,3	-42,6	-17,2	-84,8	-44,7	-19,1
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	Multi-speed drive			Multi-speed drive			Variable speed drive			Variable speed drive		
Type of heat recovery system	Recuperative			Recuperative			Recuperative			Recuperative		
Thermal efficiency [%]	93			93			93			93		
Maximum flow rate [m ³ /h]	450			450			450			450		
Electric power input [W]	245			245			245			245		
Sound power level [dB(A)]	45			45			45			45		
Reference flow rate [m ³ /h]	315			315			315			315		
Reference pressure difference [Pa]	50			50			50			50		
SPI [W/(m ³ /h)]	0,18			0,18			0,18			0,18		
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: 0,6			Internal: 0,6			Internal: 0,6			Internal: 0,6		
	External: 1,1			External: 1,1			External: 1,1			External: 1,1		
Mixing rate	-			-			-			-		
Position and description of visual filter warning	Warning on the display of the unit or room controller			Warning on the display of the unit or room controller			Warning on the display of the unit or room controller			Warning on the display of the unit or room controller		
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)	808	271	226	791	254	209	745	208	163	677	140	95
AHS [kWh/a] annual heating energy saved (cold, average, warm)	9150	4678	2115	9172	4689	2120	9216	4711	2130	9303	4756	2150