Release data: 01/06/2016

Information requirement for RVUs as per EU Regulation No. 1253/2014
Heat recovery unit Zehnder ComfoAir Q350

Supplier's name or trade mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier's model identifier	ComfoAir Q350			ComfoAir Q350			ComfoAir Q350			ComfoAir Q350		
SEC in [kWh/(m²a)] for each applicable climate zone (cold, average, warm)	-81,0	-41,3	-16,0	-81,6	-41,8	-16,4	-83,0	-43,1	-17,6	-85,4	-45,1	-19,3
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[1]	Recuperative			Recuperative			Recuperative			Recuperative		
Thermal efficiency[2]	94%			94%			94%			94%		
Maximum flow rate [m³/h][3]	350			350			350			350		
Electric power input [W][4]	175			175			175			175		
Sound power level (LWA) in [dB(A)][5]	40			40			40			40		
Reference flow rate in [m³/h][6]	245			245			245			245		
Reference pressure difference [Pa]	50			50			50			50		
SPI in [W/(m³/h)][7]	0,17			0,17			0,17			0,17		
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 [%][8]	Internal: 0,8%			Internal: 0,8%			Internal: 0,8%			Internal: 0,8%		
	External: 1,2%			External: 1,2%			External: 1,2%			External: 1,2%		
Mixing rate[9]	-			-			-			-		
Position and desription 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 [%][10]	-			-			-			-		
Indoor/outdoor air tightness [m³/h][11]	-			-			-			-		
AEC (in kWh electricity/a) for each climate zone (cold, average, warm)	11,1	5,8	5,3	10,7	5,4	4,9	9,7	4,3	3,8	8,1	2,7	2,2
AHS (in kWh primary energy/a) for each climate zone (cold, average, warm)	92,1	47,1	21,3	92,3	47,2	21,3	92,7	47,4	21,4	93,4	47,8	21,6

1: Type of heat recovery: "recuperative" heat recovery is heat recovery without moving parts (plate heat exchanger).
2: Thermal efficiency: as per EN 13141-7:2010 at a reference flow rate of 50 Pa; as per EN 13141-8:2014 for non-ducted units.
3: Maximum flow rate at 100 Pa of external static pressure difference.
4: Electric power input at maximum flow rate.
5: Noise emitted from casing at reference flow rate.
6: Reference flow rate (70% of the maximum flow rate at 50 Pa of external static pressure difference as per EN 13141-7:2010).
7: As per EN 13141-7:2010 at reference flow rate.
8: As per EN 13141-7:2010; as per EN 13141-8:2014 for non-ducted units.
9: As per EN 13141-8:2014 for non-ducted units.
10: As per EN 13141-8:2014 for non-ducted units: airflow sensitivity to pressure variations at +20 Pa and -20 Pa.
11: As per EN 13141-8:2014 for non-ducted units.
SEC: Specific energy consumption.
SPI: Specific power input.
AEC: Annual electricity consumption.
AHS: Annual heating saved .