

Declaration of performance – Zehnder EVO 3 ERV / EVO 3 ERV PR

Release data: 15/11/2024

Product Datasheet According to Regulation (EU) NO.1254/2014 – ANNEX IV

Supplier's name or trade mark	Zehnder Group			Zehnder Group			Zehnder Group			Zehnder Group		
Supplier's model identifier	Zehnder EVO 3 ERV / EVO 3 ERV PR			Zehnder EVO 3 ERV / EVO 3 ERV PR			Zehnder EVO 3 ERV / EVO 3 ERV PR			Zehnder EVO 3 ERV / EVO 3 ERV PR		
SEC [kWh/(m²a)] specific energy consumption (cold, average, warm)	-62,2	-38,6	-13,4	-62,9	-39,2	-13,7	-64,1	-40,2	-14,5	-66,5	-41,9	-15,7
SEC class (cold, average, warm) climate	A+	A	E	A+	A	E	A+	A	E	A+	A	E
Typology of unit of ventilation	UVR bidirectional											
Typology of drive installed	Multi-speed control			Multi-speed control			Variable speed control			Variable speed control		
Type of heat recovery system	Heat Recovery Static			Heat Recovery Static			Heat Recovery Static			Heat Recovery Static		
Thermal efficiency [%]	74,3			74,3			74,3			74,3		
Maximum flow rate [m³/h]	300			300			300			300		
Electric power input of the fan drive [W]	129			129			129			129		
Level of power acoustics (LWA) [dB(A)]	45			45			45			45		
Reference flow [m³/h]	210			210			210			210		
Reference pressure difference [Pa]	50			50			50			50		
Specific Power Input of reference flow (SPI) [W/(m³/h)]	0,24			0,24			0,24			0,24		
Control factor and typology installed or destined to be installed	"1 Manual control"			"0,95 Timer"			"0,85 Control environmental centralized"			"0,65 Control of demand local"		
Maximum internal and external leakage rate declared [%]	Internal: 0,92			Internal: 0,92			Internal: 0,92			Internal: 0,92		
	External: 0,54			External: 0,54			External: 0,54			External: 0,54		
Position and description of the warning of the filter visual	Warning in the screen of the unit or controller of hall			Warning in the screen of the unit or controller of hall			Warning in the screen of the unit or controller of hall			Warning in the screen of the unit or controller of hall		
Internet address for technical documentation	www.zehnder.it			www.zehnder.it			www.zehnder.it			www.zehnder.it		
Annual electricity consumption by climate (cold, average, warm) per surface area of 100 m² (AEC) [kWh/a]	890	353	308	860	322	278	803	264	221	709	172	127
Annual heating savings in a (cold, average, warm) climate for an apartment with a surface area of 100 m² (AHS) [kWh/a]	7512	3638	1639	7647	3655	1647	7316	3691	1660	7356	3760	1700

Important notice

Ensure there are air filters to keep the recovery unit's energy efficiency high, and regularly carry out cleaning and replacement maintenance. Read the instructions in the use and maintenance manual.

Warning

Always ensure a filter is used. To prevent reduced effectiveness of your energy recovery ventilation, be sure to clean dirt and dust from the filter and heat exchange element at regular intervals. See the operating instructions manual.