

Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 E Premium
		204939
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m²a)	-70,70
Specific energy consumption under average climate conditions with manual control	kWh/(m²a)	-36,22
Specific energy consumption under warmer climate conditions with manual control	kWh/(m²a)	-13,84
Energy efficiency class under colder climate conditions with manual control		A+
Energy efficiency class under average climate conditions with manual control		A
Energy efficiency class under warmer climate conditions with manual control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	77,0
Max. air flow rate	m³/h	450
Max. power consumption	W	116
Sound power level LWA	dB(A)	49
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,16
Control factor, manual control		1,00
Internal air leakage quota	%	1,10
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system
Instructions for controllable outdoor air grilles with ELA		not applicable
Annual power consumption under colder climate conditions with manual control	kWh/a	782
Annual power consumption under average climate conditions with manual control	kWh/a	245
Annual power consumption under warmer climate conditions with manual control	kWh/a	200
Annual heating savings under colder climate conditions with manual control	kWh/a	8153
Annual heating savings under average climate conditions with manual control	kWh/a	4168
Annual heating savings under warmer climate conditions with manual control	kWh/a	1885