

**Product datasheet: Mechanical ventilation units to regulation (EU) no. 1254/2014 | 1253/2014**

		<b>VRC-W 450 E Premium</b>
		204941
Manufacturer		STIEBEL ELTRON
Specific energy consumption in colder climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-78.61
Specific energy consumption in average climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-41.68
Specific energy consumption in warmer climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-17.89
Energy efficiency class in colder climates, control subject to on-site requirements		A+
Energy efficiency class in average climates, control subject to on-site requirements		A
Energy efficiency class in warmer climates, control subject to on-site requirements		E
Ventilation unit type		WLA, Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	77
Max. air flow rate	m <sup>3</sup> /h	450
Max. power consumption	W	116.5
Sound power level L <sub>wa</sub>	dB(A)	49
Reference air flow rate	m <sup>3</sup> /s	0.087
Reference pressure differential	Pa	50
Specific input	W/(m <sup>3</sup> /h)	0.16
Control factor, control subject to on-site requirements		0.65
Declared maximum internal leakage rates	%	1,10
Declared maximum external leakage rates	%	0.78
Annual power consumption in colder climates with control subject to on-site requirements	kWh/a	667
Annual power consumption in average climates with control subject to on-site requirements	kWh/a	130
Annual power consumption in warmer climates with control subject to on-site requirements	kWh/a	85
Annual heating savings in colder climates with control subject to on-site requirements	kWh/a	8655
Annual heating savings in average climates with control subject to on-site requirements	kWh/a	4424
Annual heating savings in warmer climates with control subject to on-site requirements	kWh/a	2001