



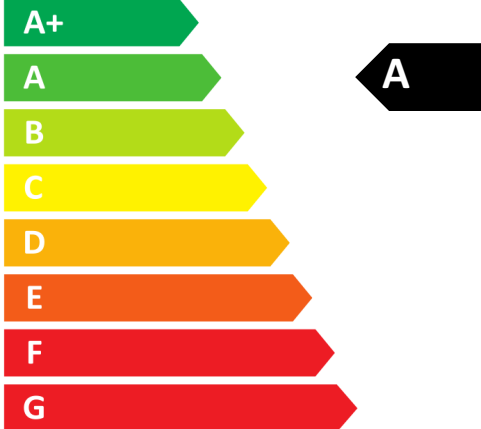
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STIEBEL ELTRON

LWZ-W 450 Trend



50
dB



450 m³/h



Product datasheet: Mechanical ventilation unit with central demand-dependent control to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 Trend
		205074
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m2a)	-83.41
Specific energy consumption under average climate conditions with control subject to on-site requirements	kWh/(m2a)	-44.04
Specific energy consumption under warmer climate conditions with control subject to on-site requirements	kWh/(m2a)	-18.86
Energy efficiency class under colder climate conditions with control subject to on-site requirements (A+ -> G)		A+
Energy efficiency class under average climate conditions with control subject to on-site requirements (A+ -> G)		A+
Energy efficiency class under warmer climate conditions with control subject to on-site requirements (A+ -> G)		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahl geregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89.3
Max. air flow rate	m3/h	450
Max. power consumption	Watt	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1.02
External air leakage quota	%	0.78
Mixing ratio		-
Internet address		www.stiebel-eltron.com
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with control subject to on-site requirements	kWh/a	674
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	137
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	92
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	9153
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4679
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	2116



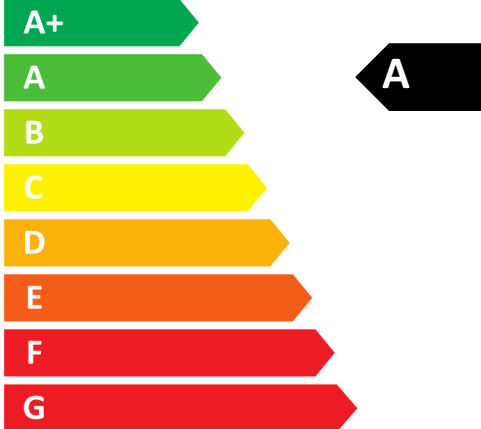
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		205074
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m2a)	-80.44
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m2a)	-41.72
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m2a)	-16.91
Energy efficiency class under colder climate conditions with central demand-dependent control (A+ -> G)		A+
Energy efficiency class under average climate conditions with central demand-dependent control (A+ -> G)		A
Energy efficiency class under warmer climate conditions with central demand-dependent control (A+ -> G)		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89.3
Max. air flow rate	m3/h	450
Max. power consumption	Watt	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, central demand-dependent control		0.85
Internal air leakage quota	%	1.02
External air leakage quota	%	0.78
Mixing ratio		-
Internet address		www.stiebel-eltron.com
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with central demand-dependent control	kWh/a	739
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	202
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	157
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	9020
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4611
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	2085



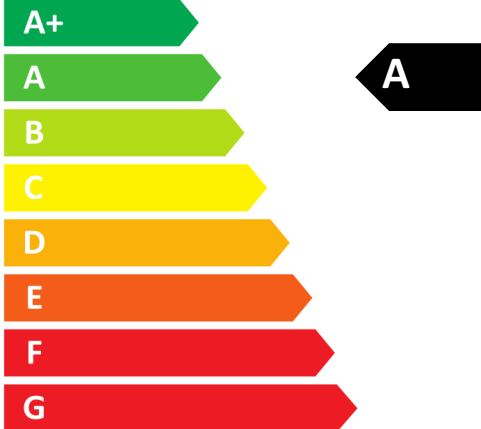
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		LWZ-W 450 Trend
		205074
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m2a)	-78.79
Specific energy consumption under average climate conditions with time control	kWh/(m2a)	-40.40
Specific energy consumption under warmer climate conditions with time control	kWh/(m2a)	-15.78
Energy efficiency class under colder climate conditions with time control (A+ -> G)		A+
Energy efficiency class under average climate conditions with time control (A+ -> G)		A
Energy efficiency class under warmer climate conditions with time control (A+ -> G)		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89.3
Max. air flow rate	m3/h	450
Max. power consumption	Watt	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, time control		0.95
Internal air leakage quota	%	1.02
External air leakage quota	%	0.78
Mixing ratio		-
Internet address		www.stiebel-eltron.com
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with time control	kWh/a	779
Annual power consumption under average climate conditions with time control	kWh/a	242
Annual power consumption under warmer climate conditions with time control	kWh/a	197
Annual heating savings under colder climate conditions with time control	kWh/a	8953
Annual heating savings under average climate conditions with time control	kWh/a	4577
Annual heating savings under warmer climate conditions with time control	kWh/a	2069



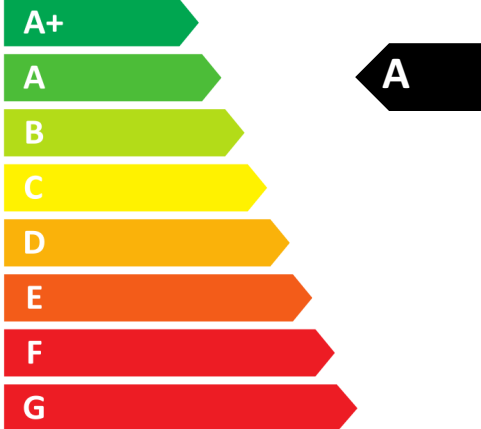
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Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m2a)	-77.93
Specific energy consumption under average climate conditions with manual control	kWh/(m2a)	-39.70
Specific energy consumption under warmer climate conditions with manual control	kWh/(m2a)	-15.17
Energy efficiency class under colder climate conditions with manual control (A+ -> G)		A+
Energy efficiency class under average climate conditions with manual control (A+ -> G)		A
Energy efficiency class under warmer climate conditions with manual control (A+ -> G)		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	89.3
Max. air flow rate	m3/h	450
Max. power consumption	Watt	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, manual control		1,00
Internal air leakage quota	%	1.02
External air leakage quota	%	0.78
Mixing ratio		-
Internet address		www.stiebel-eltron.com
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with manual control	kWh/a	800
Annual power consumption under average climate conditions with manual control	kWh/a	263
Annual power consumption under warmer climate conditions with manual control	kWh/a	218
Annual heating savings under colder climate conditions with manual control	kWh/a	8920
Annual heating savings under average climate conditions with manual control	kWh/a	4560
Annual heating savings under warmer climate conditions with manual control	kWh/a	2062