

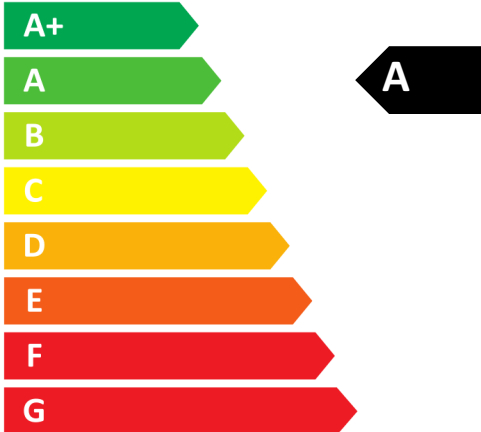


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STIEBEL ELTRON

LWZ-W 450 E
Premium



49
dB



450 m³/h



		LWZ-W 450 E Premium
		204939
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m2a)	-78.61
Specific energy consumption under average climate conditions with control subject to on-site requirements	kWh/(m2a)	-41.68
Specific energy consumption under warmer climate conditions with control subject to on-site requirements	kWh/(m2a)	-17.89
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	%	77.0
Max. air flow rate	m3/h	450
Max. power consumption	Watt	116
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.16
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1.10
External air leakage quota	%	0.78
Mixing ratio		-
Filter change indicator		Optische Filterwechselanzeige im Display der Fernbedienung. Achtung: Ein regelmäßiger Filterwechsel ist wichtig für eine hohe Energieeffizienz der Anlage
Internet address		www.stiebel-eltron.com
Instructions for controllable outdoor air grilles with ELA		entfällt
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	667
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	130
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	85
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	8655
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4424
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	2001

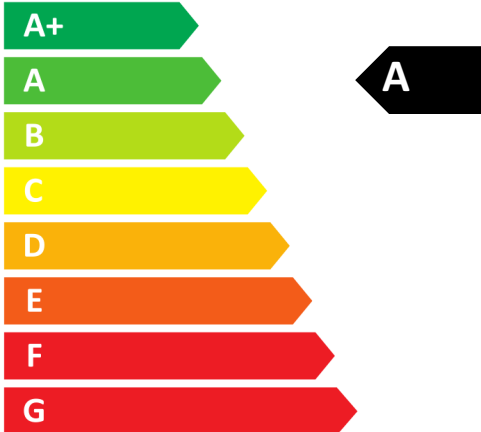


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Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m2a)	-74.24
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m2a)	-38.71
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m2a)	-15.72
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		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	Watt	116
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.16
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1.10
External air leakage quota	%	0.78
Mixing ratio		-
Filter change indicator		Optische Filterwechselanzeige im Display der Fernbedienung. Achtung: Ein regelmäßiger Filterwechsel ist wichtig für eine hohe Energieeffizienz der Anlage
Internet address		www.stiebel-eltron.com
Instructions for controllable outdoor air grilles with ELA		entfällt
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with central demand-dependent control	kWh/a	727
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	190
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	145
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	8368
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4278
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	1934

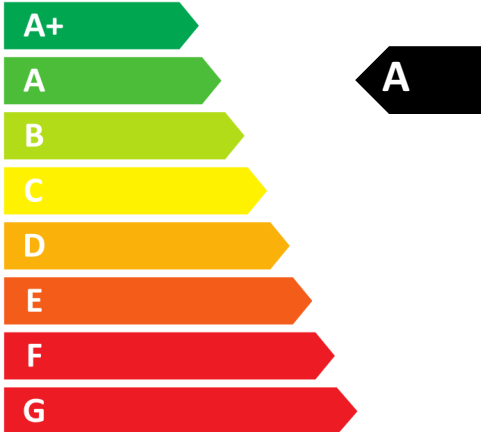


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Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 E Premium
		204939
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m2a)	-71.91
Specific energy consumption under average climate conditions with time control	kWh/(m2a)	-37.07
Specific energy consumption under warmer climate conditions with time control	kWh/(m2a)	-14.49
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		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	Watt	116
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.16
Control factor, time control		0,95
Internal air leakage quota	%	1.10
External air leakage quota	%	0.78
Mixing ratio		-
Filter change indicator		Optische Filterwechselanzeige im Display der Fernbedienung. Achtung: Ein regelmäßiger Filterwechsel ist wichtig für eine hohe Energieeffizienz der Anlage
Internet address		www.stiebel-eltron.com
Instructions for controllable outdoor air grilles with ELA		entfällt
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
Annual power consumption under colder climate conditions with time control	kWh/a	763
Annual power consumption under average climate conditions with time control	kWh/a	226
Annual power consumption under warmer climate conditions with time control	kWh/a	181
Annual heating savings under colder climate conditions with time control	kWh/a	8225
Annual heating savings under average climate conditions with time control	kWh/a	4204
Annual heating savings under warmer climate conditions with time control	kWh/a	1901

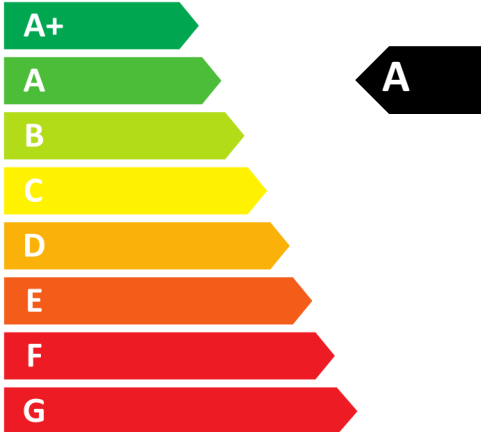


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Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m2a)	-70.70
Specific energy consumption under average climate conditions with manual control	kWh/(m2a)	-36.22
Specific energy consumption under warmer climate conditions with manual control	kWh/(m2a)	-13.84
Energy efficiency class under colder climate conditions with manual control (A+ -> 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		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	Watt	116
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.16
Control factor, manual control		1,00
Internal air leakage quota	%	1.10
External air leakage quota	%	0.78
Mixing ratio		-
Filter change indicator		Optische Filterwechselanzeige im Display der Fernbedienung. Achtung: Ein regelmäßiger Filterwechsel ist wichtig für eine hohe Energieeffizienz der Anlage
Internet address		www.stiebel-eltron.com
Instructions for controllable outdoor air grilles with ELA		entfällt
Sensitivity to pressure fluctuations		-
Airtightness between indoors and outdoors		-
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