

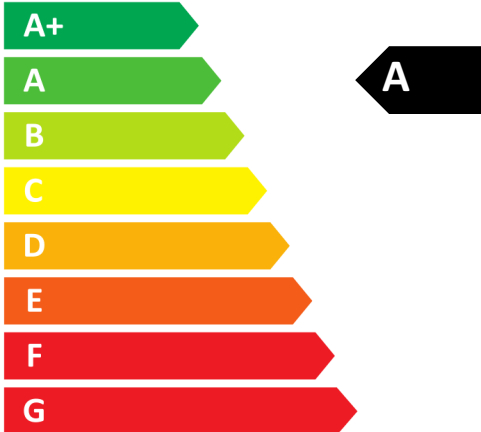


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STIEBEL ELTRON

LWZ-W 450
Premium



49
dB



450 m³/h



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

		LWZ-W 450 Premium
		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m2a)	-83.49
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)	-18.81
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	%	89.7
Max. air flow rate	m3/h	450
Max. power consumption	Watt	132
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1.03
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	677
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	140
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	95
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	9169
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4687
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	2119

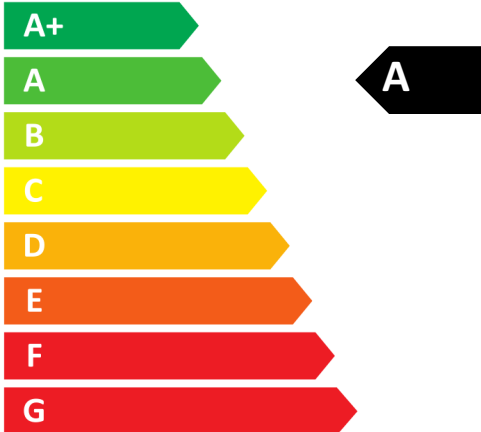


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		LWZ-W 450 Premium
		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m2a)	-80.52
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m2a)	-41.69
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m2a)	-16.83
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	%	89.7
Max. air flow rate	m3/h	450
Max. power consumption	Watt	132
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1.03
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	745
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	208
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	163
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	9041
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4622
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	2090

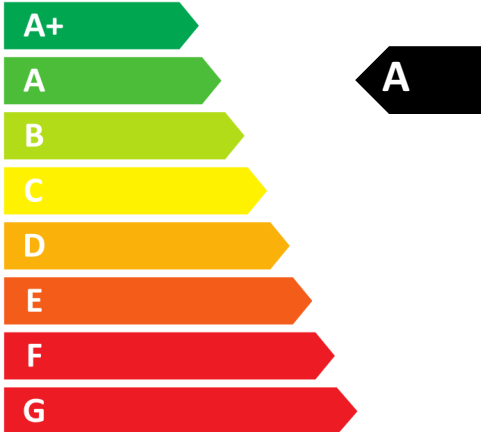


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		LWZ-W 450 Premium
		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m2a)	-78.86
Specific energy consumption under average climate conditions with time control	kWh/(m2a)	-40.35
Specific energy consumption under warmer climate conditions with time control	kWh/(m2a)	-15.66
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	%	89.7
Max. air flow rate	m3/h	450
Max. power consumption	Watt	132
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, time control		0,95
Internal air leakage quota	%	1.03
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	785
Annual power consumption under average climate conditions with time control	kWh/a	248
Annual power consumption under warmer climate conditions with time control	kWh/a	203
Annual heating savings under colder climate conditions with time control	kWh/a	8977
Annual heating savings under average climate conditions with time control	kWh/a	4589
Annual heating savings under warmer climate conditions with time control	kWh/a	2075

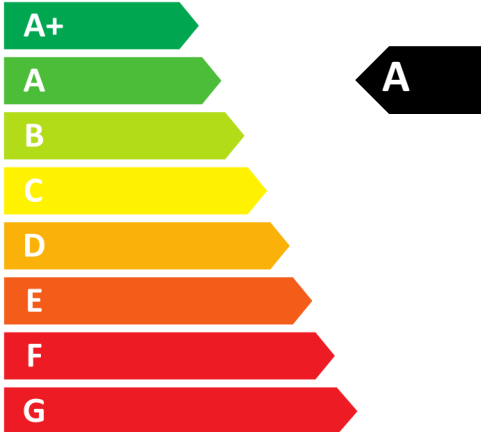


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		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m2a)	-77.99
Specific energy consumption under average climate conditions with manual control	kWh/(m2a)	-39.64
Specific energy consumption under warmer climate conditions with manual control	kWh/(m2a)	-15.04
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	%	89.7
Max. air flow rate	m3/h	450
Max. power consumption	Watt	132
Sound power level LWA	dB(A)	49
Reference air flow rate	m3/s	0.087
Reference pressure differential	Pa	50
Specific power input	Wm3h	0.18
Control factor, manual control		1,00
Internal air leakage quota	%	1.03
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	807
Annual power consumption under average climate conditions with manual control	kWh/a	270
Annual power consumption under warmer climate conditions with manual control	kWh/a	225
Annual heating savings under colder climate conditions with manual control	kWh/a	8945
Annual heating savings under average climate conditions with manual control	kWh/a	4572
Annual heating savings under warmer climate conditions with manual control	kWh/a	2068