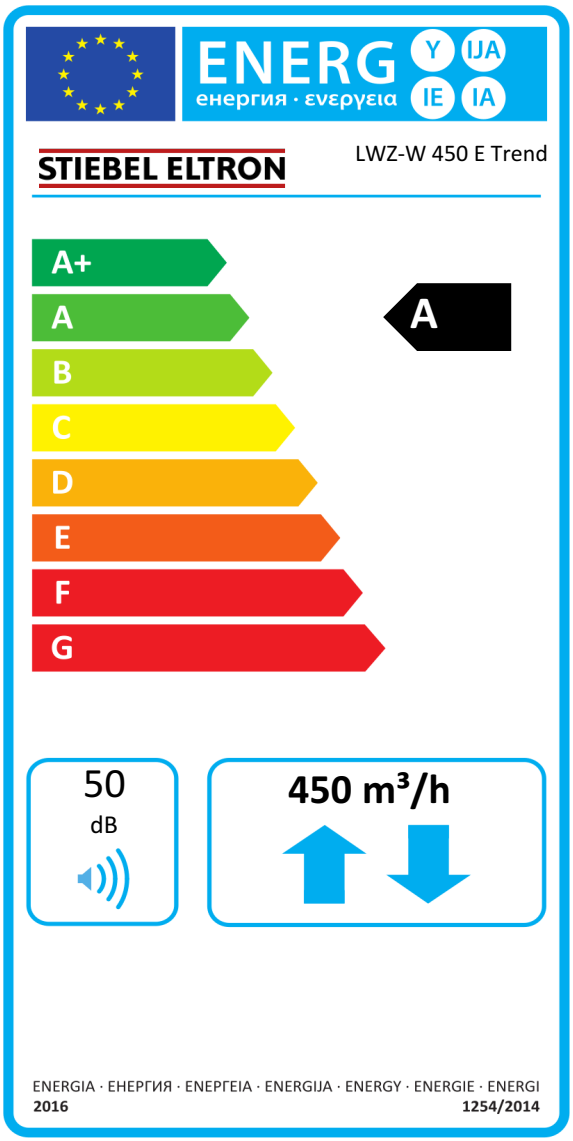
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LWZ-W 450 E Trend
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450 m³/h
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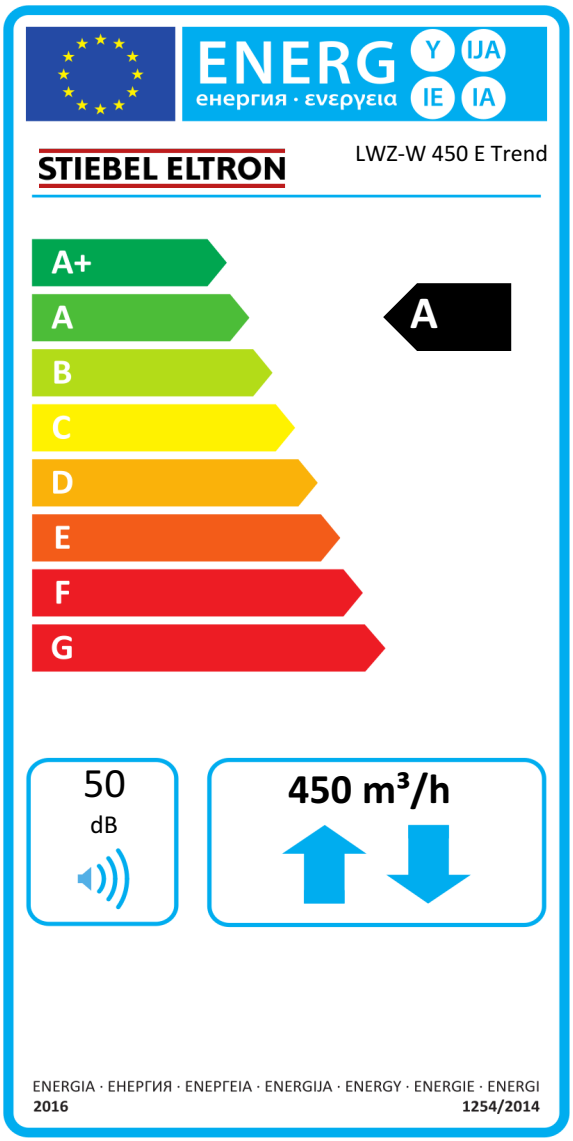
2016
1254/2014

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

		LWZ-W 450 E Trend
		205075
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m2a)	-78.53
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)	-17.87
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		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	76.8
Max. air flow rate	m3/h	450
Max. power consumption	Watt	116
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	%	1.10
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	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	8647
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4420
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	1999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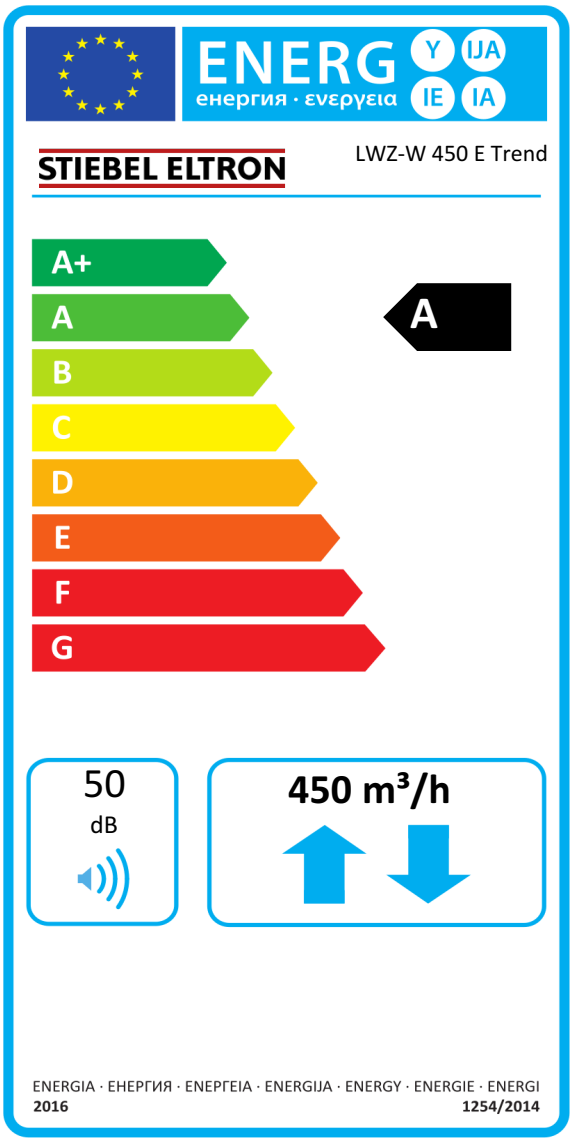
Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 E Trend
		205075
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m2a)	-74.14
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m2a)	-38.65
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m2a)	-15.70
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	%	76.8
Max. air flow rate	m3/h	450
Max. power consumption	Watt	116
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	%	1.10
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	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	8358
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4272
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	1934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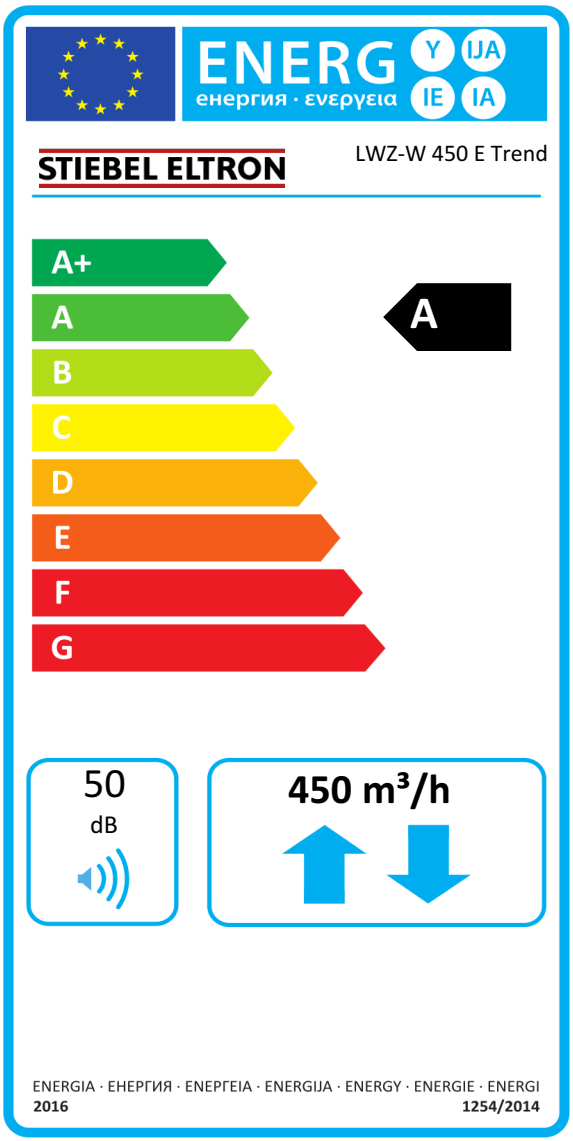
Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 E Trend
		205075
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m2a)	-71.79
Specific energy consumption under average climate conditions with time control	kWh/(m2a)	-37.01
Specific energy consumption under warmer climate conditions with time control	kWh/(m2a)	-14.46
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	%	76.8
Max. air flow rate	m3/h	450
Max. power consumption	Watt	116
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	%	1.10
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	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	8213
Annual heating savings under average climate conditions with time control	kWh/a	4198
Annual heating savings under warmer climate conditions with time control	kWh/a	1898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Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 E Trend
		205075
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m2a)	-70.58
Specific energy consumption under average climate conditions with manual control	kWh/(m2a)	-36.15
Specific energy consumption under warmer climate conditions with manual control	kWh/(m2a)	-13.81
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	%	76.8
Max. air flow rate	m3/h	450
Max. power consumption	Watt	116
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	%	1.10
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	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	8141
Annual heating savings under average climate conditions with manual control	kWh/a	4161
Annual heating savings under warmer climate conditions with manual control	kWh/a	1882