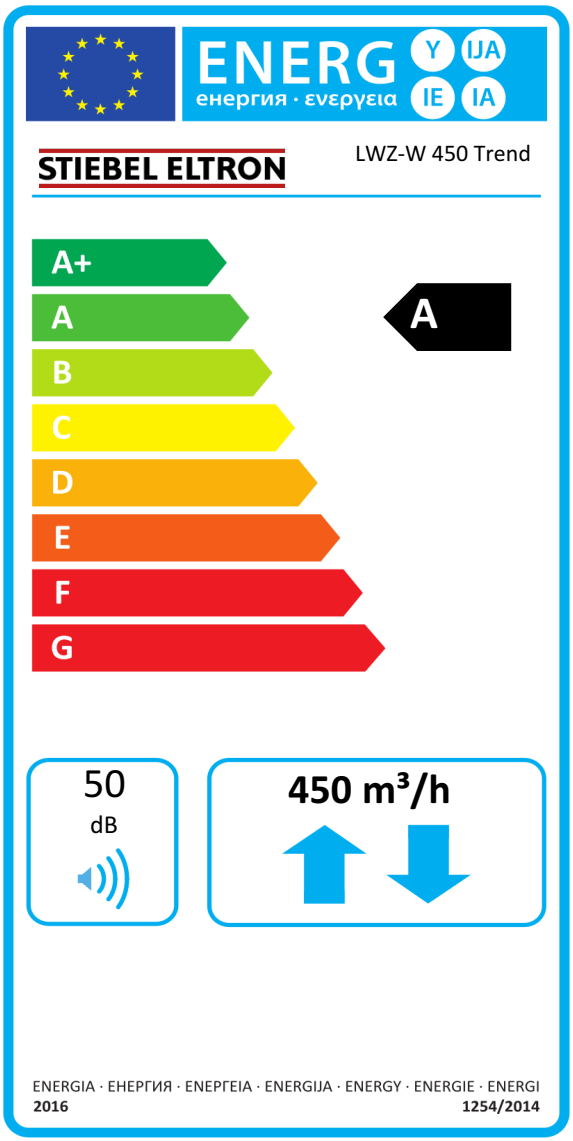
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STIEBEL ELTRON
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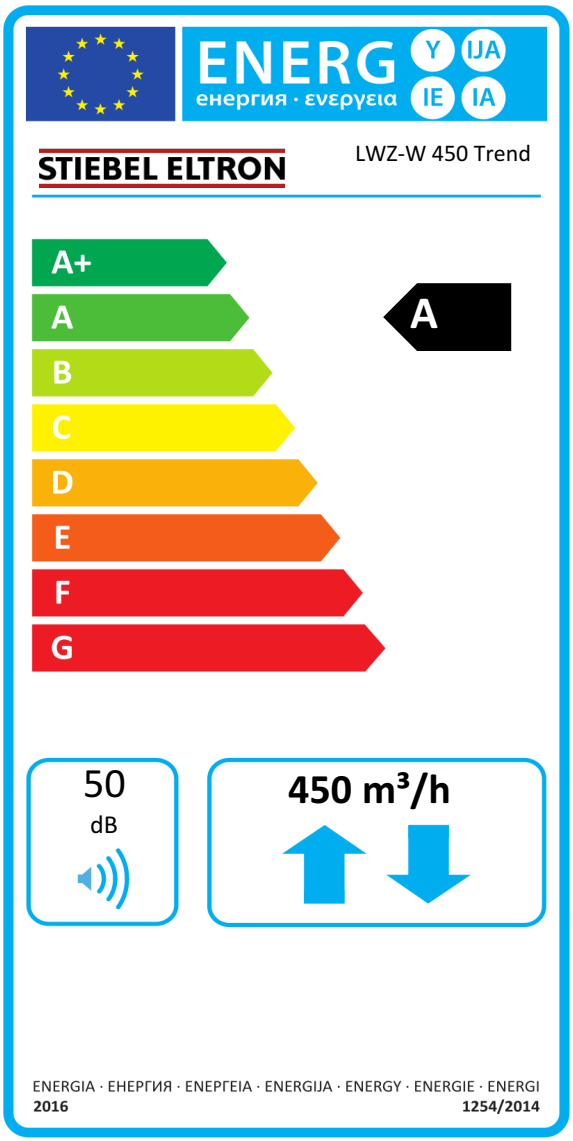
1254/2014

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+
Energy efficiency class under average climate conditions with control subject to on-site requirements		A+
Energy efficiency class under warmer climate conditions with control subject to on-site requirements		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	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
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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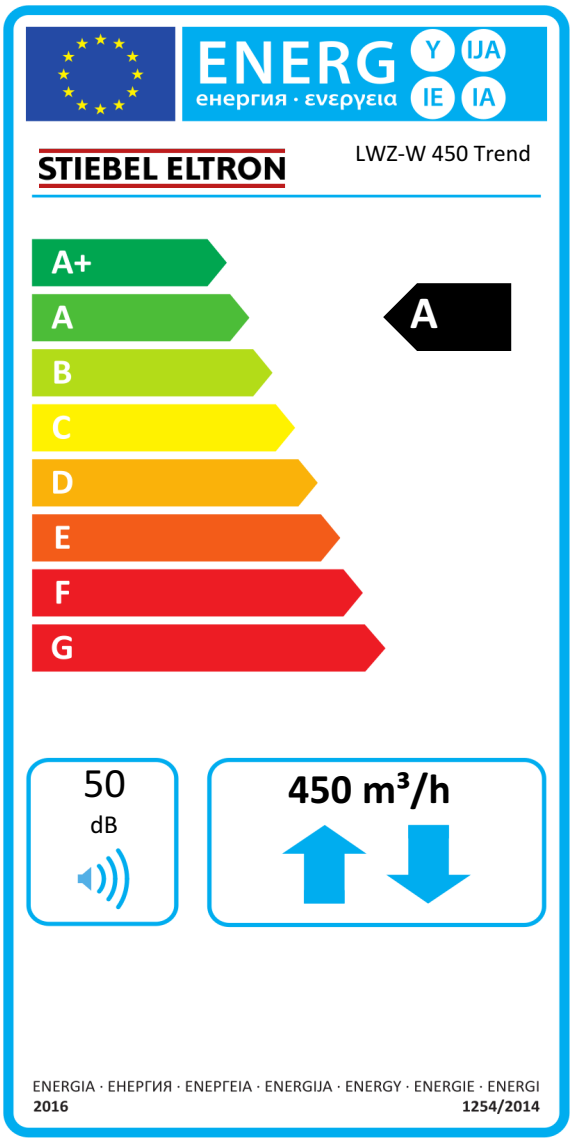
Product datasheet: Mechanical ventilation unit with central demand-dependent control to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 Trend
		205074
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with 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+
Energy efficiency class under average climate conditions with central demand-dependent control		A
Energy efficiency class under warmer climate conditions with central demand-dependent control		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	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
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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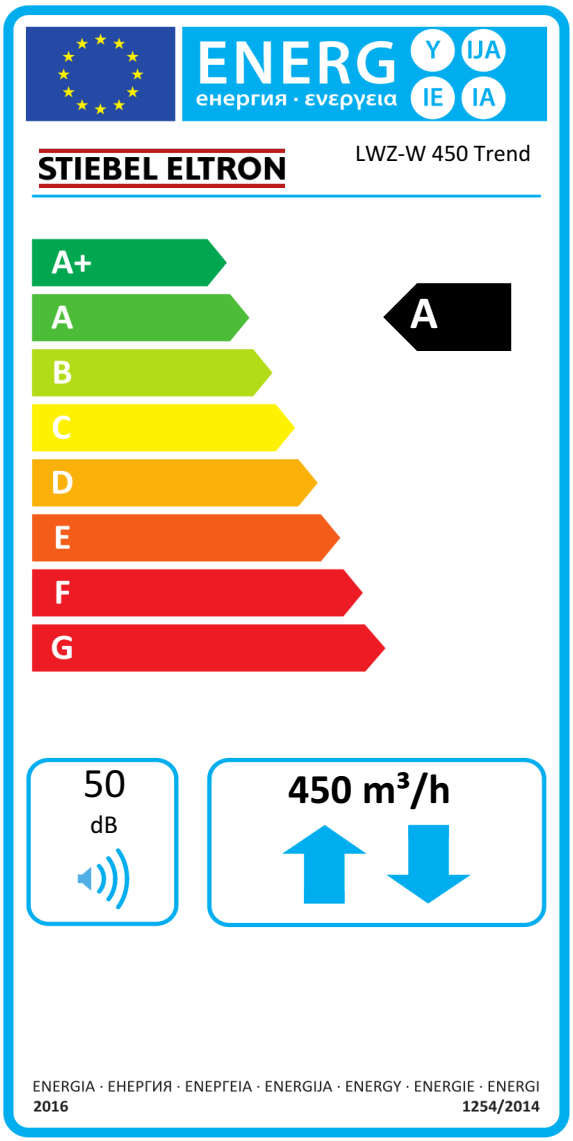
Product datasheet: Mechanical ventilation unit with central demand-dependent control to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 Trend
		205074
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with 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+
Energy efficiency class under average climate conditions with time control		A
Energy efficiency class under warmer climate conditions with time control		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	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, time control		0,95
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
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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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 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+
Energy efficiency class under average climate conditions with manual control		A
Energy efficiency class under warmer climate conditions with manual control		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	W	125
Sound power level LWA	dB(A)	50
Reference air flow rate	m³/s	0,087
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,18
Control factor, manual control		1,00
Internal air leakage quota	%	1,02
External air leakage quota	%	0,78
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