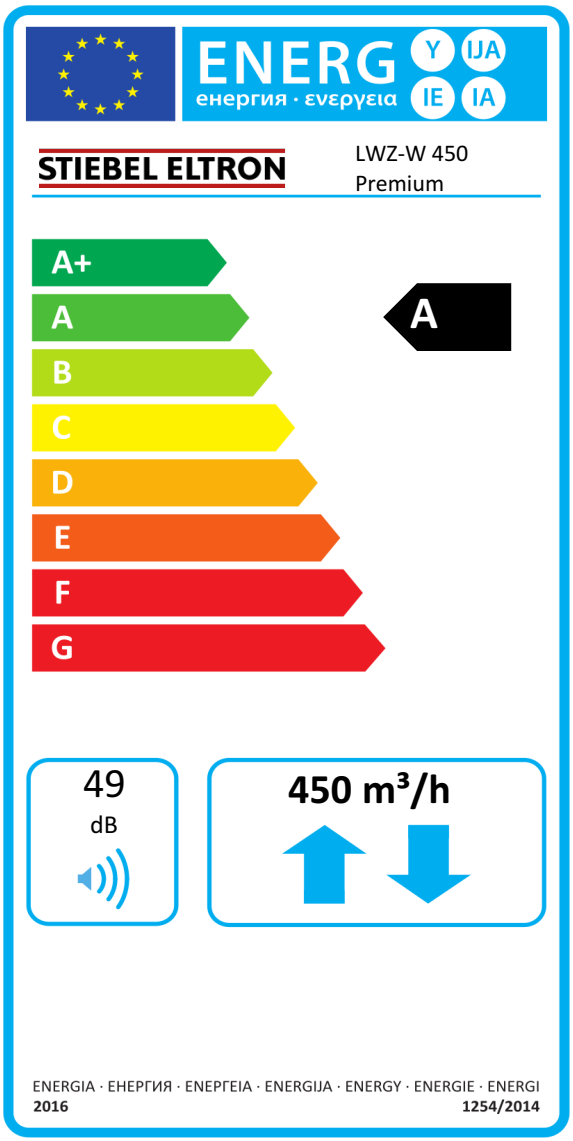
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STIEBEL ELTRON
LWZ-W 450
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450 m³/h
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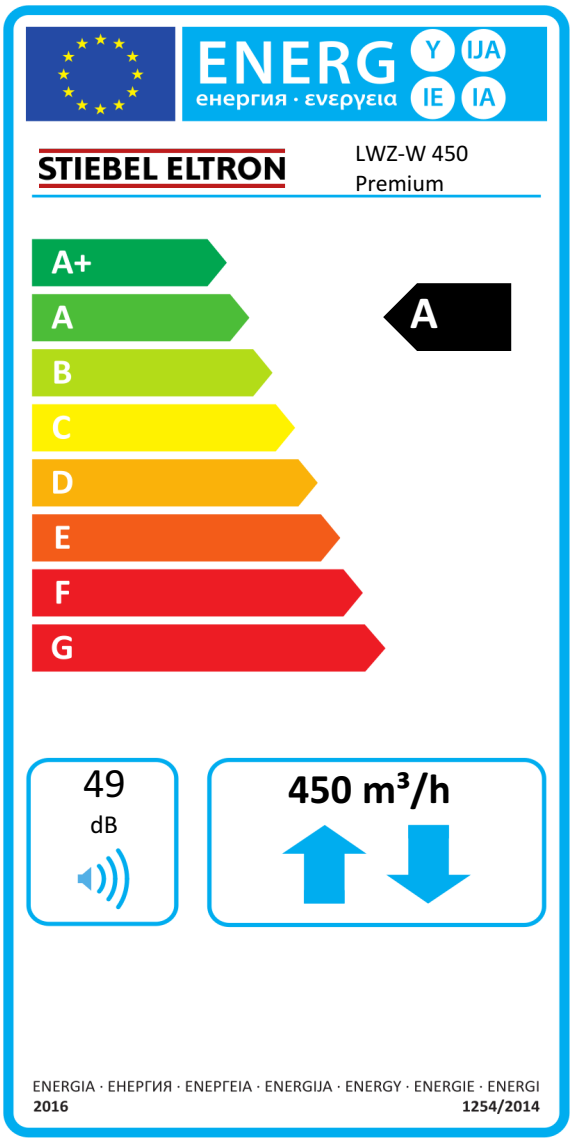
2016
1254/2014

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

		LWZ-W 450 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+
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	%	89,7
Max. air flow rate	m³/h	450
Max. power consumption	W	132
Sound power level LWA	dB(A)	49
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	%	1,03
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system
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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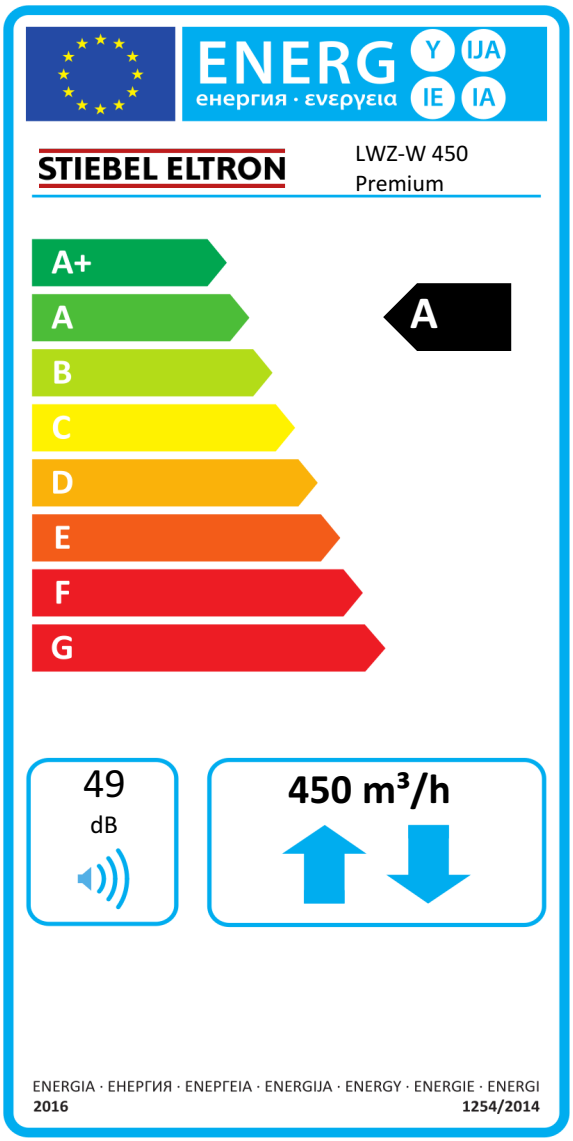
Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 Premium
		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with 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+
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	%	89,7
Max. air flow rate	m³/h	450
Max. power consumption	W	132
Sound power level LWA	dB(A)	49
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	%	1,03
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system
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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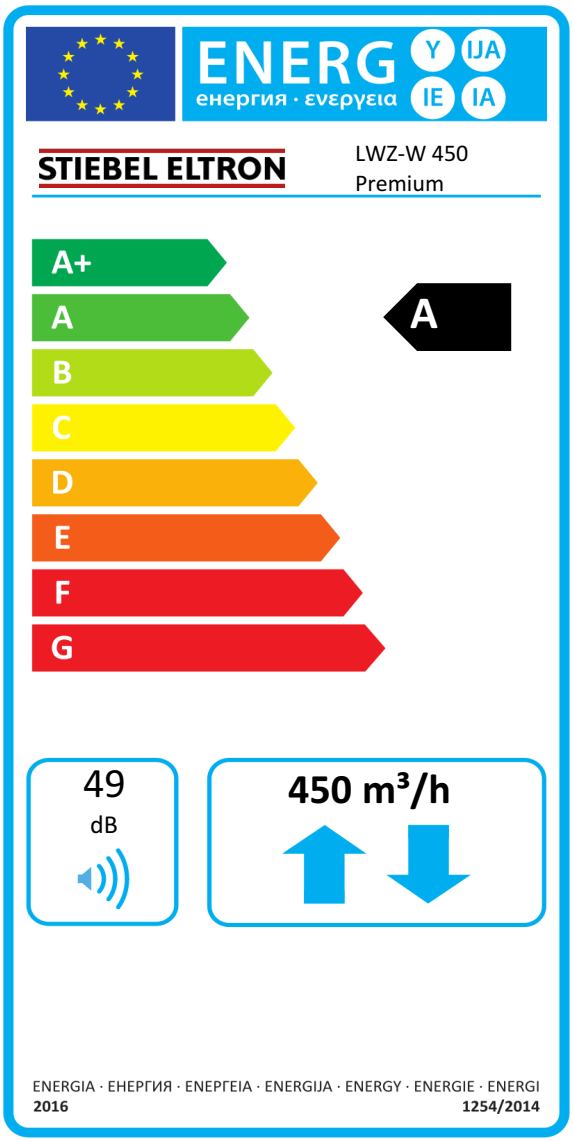
Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWZ-W 450 Premium
		204928
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with 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+
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	%	89,7
Max. air flow rate	m³/h	450
Max. power consumption	W	132
Sound power level LWA	dB(A)	49
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	%	1,03
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system
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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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 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+
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	%	89,7
Max. air flow rate	m³/h	450
Max. power consumption	W	132
Sound power level LWA	dB(A)	49
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	%	1,03
External air leakage quota	%	0,78
Filter change indicator		Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system
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