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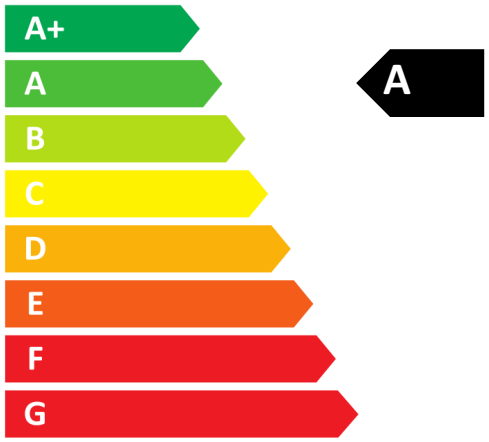
STIEBEL ELTRON

LWZ-W 450 E Trend



49
dB

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
		207972
Hersteller		STIEBEL ELTRON
Specific energy consumption in colder climates with control subject to on-site requirements	kWh/(m²a)	-78,61
Specific energy consumption in moderate climates with control subject to on-site requirements	kWh/(m²a)	-41,68
Specific energy consumption in warmer climates with control subject to on-site requirements	kWh/(m²a)	-17,89
Energy efficiency class in colder climates with control subject to on-site requirements		A+
Energy efficiency class in moderate climates with control subject to on-site requirements		A
Energy efficiency class in warmer climates 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	%	77,0
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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)	0,16
Control factor, control subject to on-site requirements		0,65
Internal air leakage quota	%	1,10
External air leakage quota	%	0,78
Annual power consumption in colder climates with control subject to on-site requirements	kWh/a	667
Annual power consumption in moderate climates with control subject to on-site requirements	kWh/a	130
Annual power consumption in warmer climates with control subject to on-site requirements	kWh/a	85
Annual heating savings in colder climates with control subject to on-site requirements	kWh/a	8655
Annual heating savings in moderate climates with control subject to on-site requirements	kWh/a	4424
Annual heating savings in warmer climates with control subject to on-site requirements	kWh/a	2001

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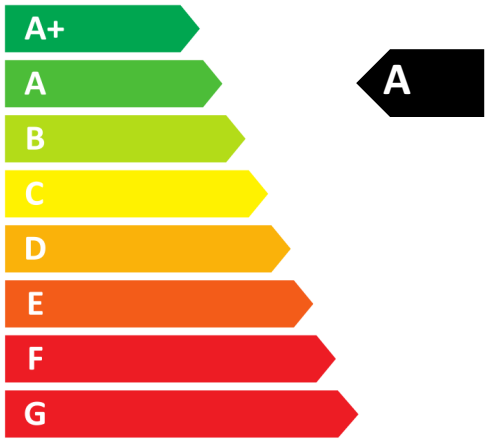

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2016 1254/2014

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		LWZ-W 450 E Trend
		207972
Hersteller		STIEBEL ELTRON
Specific energy consumption in colder climates with central demand-dependent control	kWh/(m²a)	-74,24
Specific energy consumption in moderate climates with central demand-dependent control	kWh/(m²a)	-38,71
Specific energy consumption in warmer climates with central demand-dependent control	kWh/(m²a)	-15,72
Energy efficiency class in colder climates with central demand-dependent control		A+
Energy efficiency class in moderate climates with central demand-dependent control		A
Energy efficiency class in warmer climates 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	%	77,0
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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)	0,16
Control factor, central demand-dependent control		0,85
Internal air leakage quota	%	1,10
External air leakage quota	%	0,78
Annual power consumption in colder climates with central demand-dependent control	kWh/a	727
Annual power consumption in moderate climates with central demand-dependent control	kWh/a	190
Annual power consumption in warmer climates with central demand-dependent control	kWh/a	145
Annual heating savings in colder climates with central demand-dependent control	kWh/a	8368
Annual heating savings in moderate climates with central demand-dependent control	kWh/a	4278
Annual heating savings in warmer climates with central demand-dependent control	kWh/a	1934

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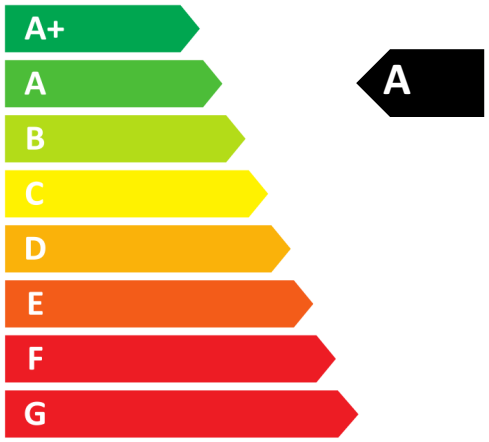

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		LWZ-W 450 E Trend
		207972
Hersteller		STIEBEL ELTRON
Specific energy consumption in colder climates with time control	kWh/(m²a)	-71,91
Specific energy consumption in moderate climates with time control	kWh/(m²a)	-37,07
Specific energy consumption in warmer climates with time control	kWh/(m²a)	-14,49
Energy efficiency class in colder climates with time control		A+
Energy efficiency class in moderate climates with time control		A
Energy efficiency class in warmer climates with time control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	77,0
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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)	0,16
Control factor, time control		0,95
Internal air leakage quota	%	1,10
External air leakage quota	%	0,78
Annual power consumption in colder climates with time control	kWh/a	763
Annual power consumption in moderate climates with time control	kWh/a	226
Annual power consumption in warmer climates with time control	kWh/a	181
Annual heating savings in colder climates with time control	kWh/a	8225
Annual heating savings in moderate climates with time control	kWh/a	4204
Annual heating savings in warmer climates with time control	kWh/a	1901

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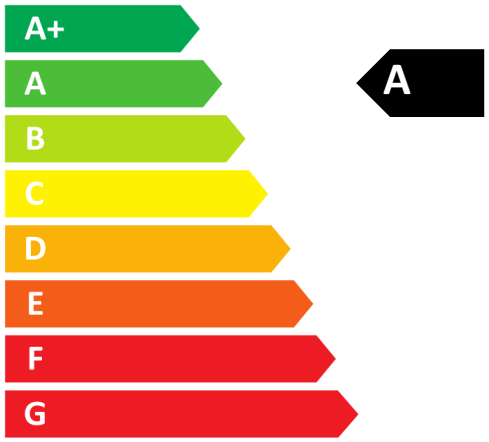

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Hersteller		STIEBEL ELTRON
Specific energy consumption in colder climates with manual control	kWh/(m²a)	-70,70
Specific energy consumption in moderate climates with manual control	kWh/(m²a)	-36,22
Specific energy consumption in warmer climates with manual control	kWh/(m²a)	-13,84
Energy efficiency class in colder climates with manual control		A+
Energy efficiency class in moderate climates with manual control		A
Energy efficiency class in warmer climates with manual control		E
Ventilation unit type		WLA, Zwei Richtungen
Drive type		Drehzahlgeregelt
Heat recovery type		Rekuperativ
Rate of temperature change for heat recovery	%	77,0
Max. air flow rate	m³/h	450
Max. power consumption	W	116
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)	0,16
Control factor, manual control		1,00
Internal air leakage quota	%	1,10
External air leakage quota	%	0,78
Annual power consumption in colder climates with manual control	kWh/a	782
Annual power consumption in moderate climates with manual control	kWh/a	245
Annual power consumption in warmer climates with manual control	kWh/a	200
Annual heating savings in colder climates with manual control	kWh/a	8153
Annual heating savings in moderate climates with manual control	kWh/a	4168
Annual heating savings in warmer climates with manual control	kWh/a	1885