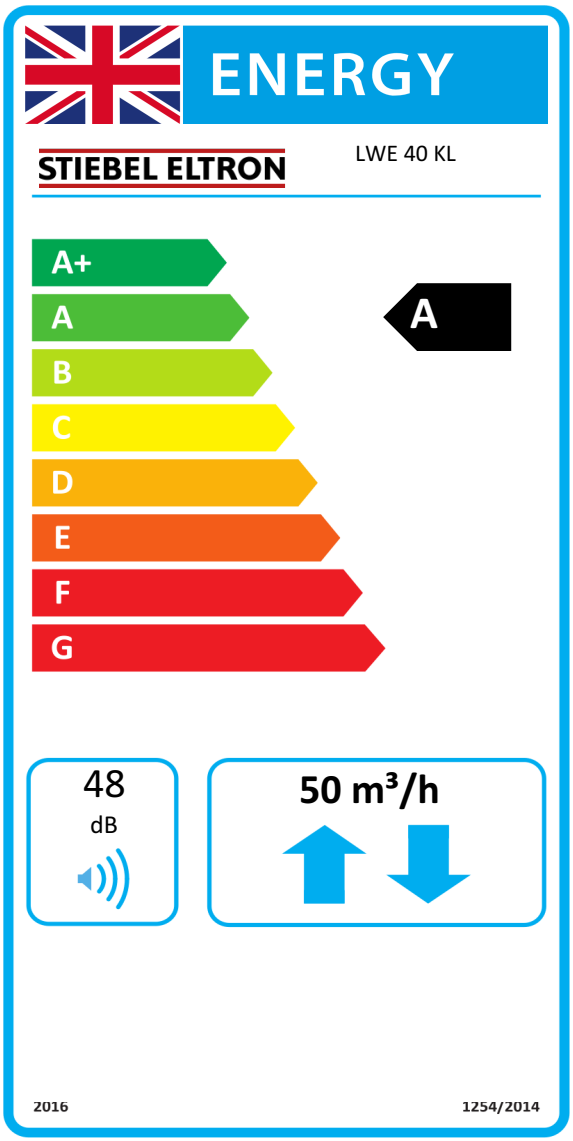
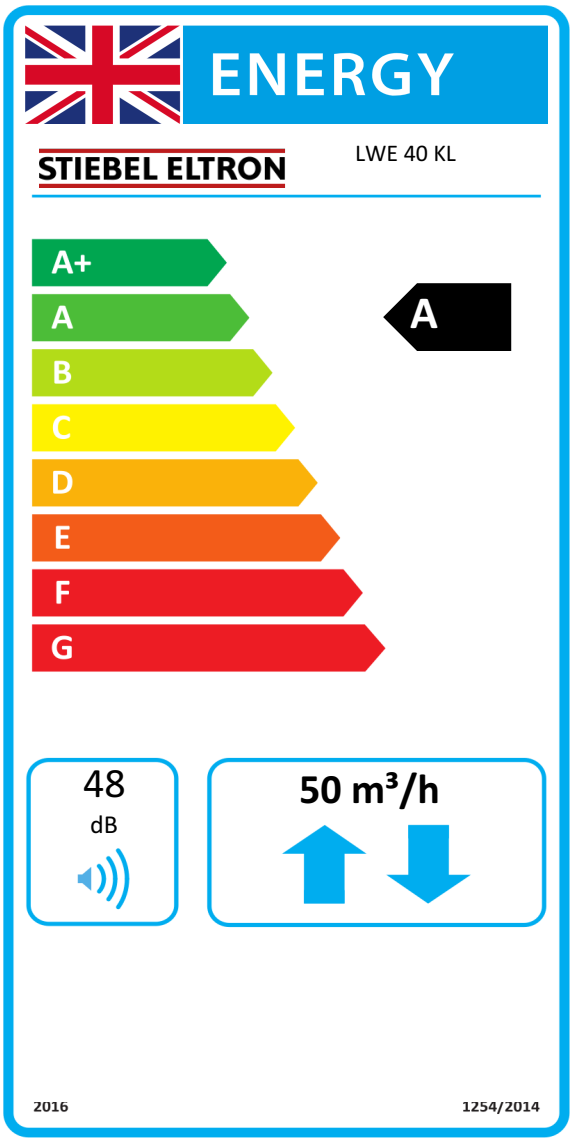

ENERGY
STIEBEL ELTRON
LWE 40 KL
A+
A
B
C
D
E
F
G
A
48
dB
50 m³/h
2016
1254/2014

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

		LWE 40 KL
		208314
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with control subject to on-site requirements	kWh/(m²a)	-87,86
Specific energy consumption under average climate conditions with control subject to on-site requirements	kWh/(m²a)	-43,91
Specific energy consumption under warmer climate conditions with control subject to on-site requirements	kWh/(m²a)	-18,74
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		Regenerativ
Rate of temperature change for heat recovery	%	86,6
Max. air flow rate	m³/h	50
Max. power consumption	W	12
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,014
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,14
Control factor, control subject to on-site requirements		0,65
Sensitivity to pressure fluctuations	%	39 / 39
Airtightness between indoors and outdoors	m³/h	0,20
Annual power consumption under colder climate conditions with control subject to on-site requirements	kWh/a	82
Annual power consumption under average climate conditions with control subject to on-site requirements	kWh/a	82
Annual power consumption under warmer climate conditions with control subject to on-site requirements	kWh/a	82
Annual heating savings under colder climate conditions with control subject to on-site requirements	kWh/a	8990
Annual heating savings under average climate conditions with control subject to on-site requirements	kWh/a	4595
Annual heating savings under warmer climate conditions with control subject to on-site requirements	kWh/a	2078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dB
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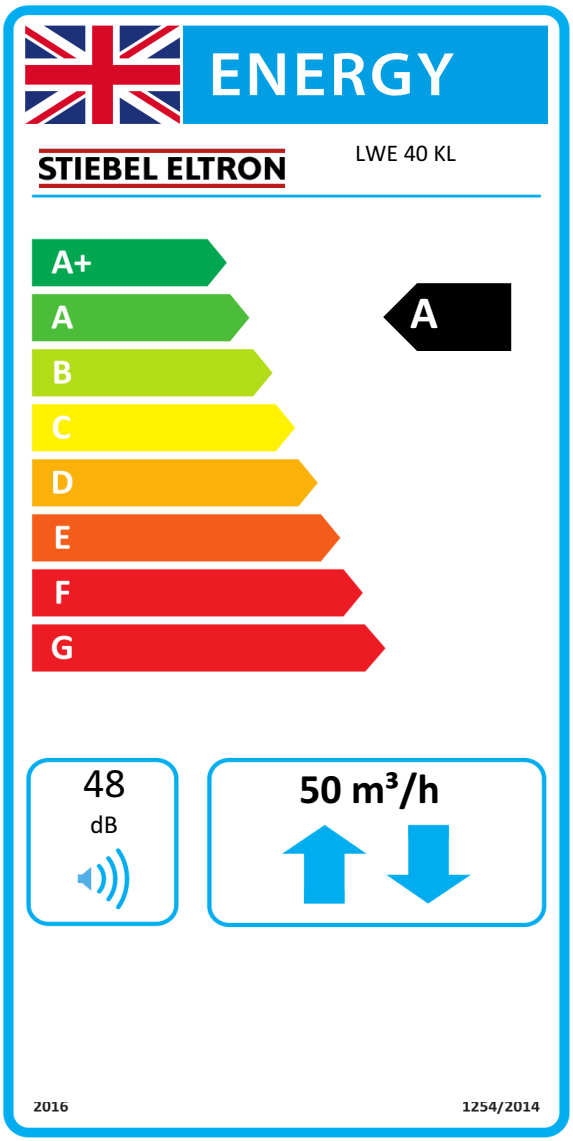
1254/2014

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

		LWE 40 KL
		208314
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with central demand-dependent control	kWh/(m²a)	-84,57
Specific energy consumption under average climate conditions with central demand-dependent control	kWh/(m²a)	-41,53
Specific energy consumption under warmer climate conditions with central demand-dependent control	kWh/(m²a)	-16,87
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		Regenerativ
Rate of temperature change for heat recovery	%	86,6
Max. air flow rate	m³/h	50
Max. power consumption	W	12
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,014
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,14
Control factor, central demand-dependent control		0,85
Sensitivity to pressure fluctuations	%	39 / 39
Airtightness between indoors and outdoors	m³/h	0,20
Annual power consumption under colder climate conditions with central demand-dependent control	kWh/a	139
Annual power consumption under average climate conditions with central demand-dependent control	kWh/a	139
Annual power consumption under warmer climate conditions with central demand-dependent control	kWh/a	139
Annual heating savings under colder climate conditions with central demand-dependent control	kWh/a	8806
Annual heating savings under average climate conditions with central demand-dependent control	kWh/a	4501
Annual heating savings under warmer climate conditions with central demand-dependent control	kWh/a	2035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LWE 40 KL
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dB
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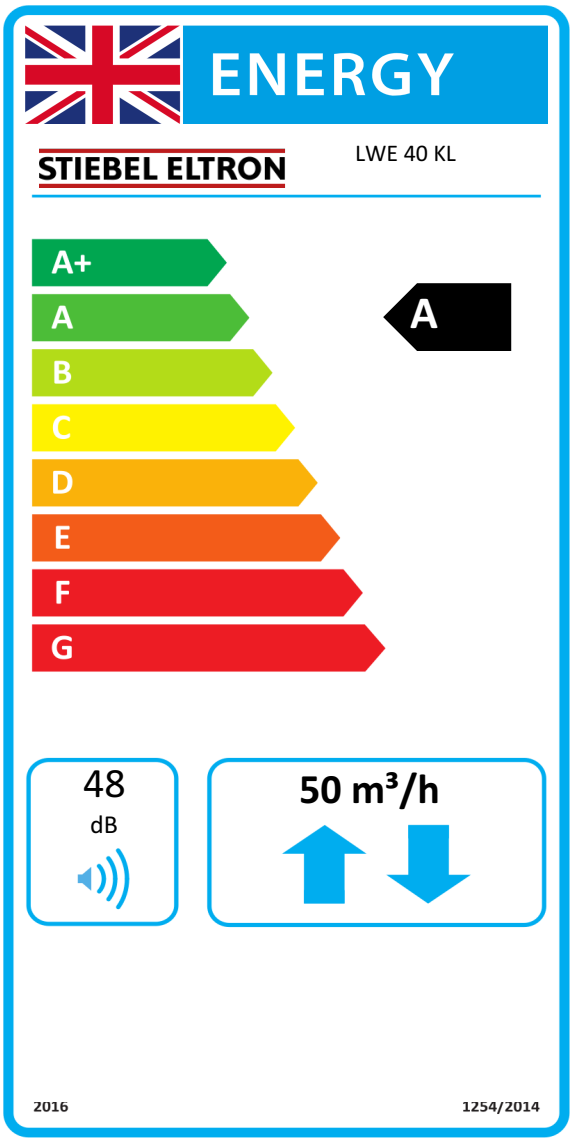
1254/2014

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

		LWE 40 KL
		208314
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with time control	kWh/(m²a)	-82,79
Specific energy consumption under average climate conditions with time control	kWh/(m²a)	-40,19
Specific energy consumption under warmer climate conditions with time control	kWh/(m²a)	-15,79
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		Regenerativ
Rate of temperature change for heat recovery	%	86,6
Max. air flow rate	m³/h	50
Max. power consumption	W	12
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,014
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,14
Control factor, time control		0,95
Sensitivity to pressure fluctuations	%	39 / 39
Airtightness between indoors and outdoors	m³/h	0,20
Annual power consumption under colder climate conditions with time control	kWh/a	174
Annual power consumption under average climate conditions with time control	kWh/a	174
Annual power consumption under warmer climate conditions with time control	kWh/a	174
Annual heating savings under colder climate conditions with time control	kWh/a	8714
Annual heating savings under average climate conditions with time control	kWh/a	4454
Annual heating savings under warmer climate conditions with time control	kWh/a	2014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Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014

		LWE 40 KL
		208314
Manufacturer		STIEBEL ELTRON
Specific energy consumption under colder climate conditions with manual control	kWh/(m²a)	-81,86
Specific energy consumption under average climate conditions with manual control	kWh/(m²a)	-39,49
Specific energy consumption under warmer climate conditions with manual control	kWh/(m²a)	-15,21
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		Regenerativ
Rate of temperature change for heat recovery	%	86,6
Max. air flow rate	m³/h	50
Max. power consumption	W	12
Sound power level LWA	dB(A)	48
Reference air flow rate	m³/s	0,014
Reference pressure differential	Pa	50
Specific power input	W/(m³/h)	0,14
Control factor, manual control		1,00
Sensitivity to pressure fluctuations	%	39 / 39
Airtightness between indoors and outdoors	m³/h	0,20
Annual power consumption under colder climate conditions with manual control	kWh/a	193
Annual power consumption under average climate conditions with manual control	kWh/a	193
Annual power consumption under warmer climate conditions with manual control	kWh/a	193
Annual heating savings under colder climate conditions with manual control	kWh/a	8668
Annual heating savings under average climate conditions with manual control	kWh/a	4431
Annual heating savings under warmer climate conditions with manual control	kWh/a	2004