



ENERG Y IJA
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STIEBEL ELTRON

LWZ 70 E manual



42
dB

180 m³/h

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2016

1254/2014

Product datasheet: Mechanical ventilation units to regulation (EU) no. 1254/2014 | 1253/2014

		LWZ 70 E
		233851
Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 70 E
Specific energy consumption in colder climates, manual control	kWh/(m ² p.a.)	-72.98
Specific energy consumption in average climates, manual control	kWh/(m ² p.a.)	-34.78
Specific energy consumption in warmer climates, manual control	kWh/(m ² p.a.)	-10.27
Energy efficiency class in colder climates, manual control		A+
Energy efficiency class in average climates, manual control		A
Energy efficiency class in warmer climates, manual control		E
Ventilation unit type		Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	89
Max. air flow rate	m ³ /h	180
Max. power consumption	W	82
Sound power level Lwa	dB(A)	42
Reference air flow rate	m ³ /s	0.035
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.33
Control factor, manual control		1
Declared maximum internal leakage rates	%	7,2
Declared maximum external leakage rates	%	7.20
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with manual control	kWh/a	995
Annual power consumption in average climates with manual control	kWh/a	458
Annual power consumption in warmer climates with manual control	kWh/a	413
Annual heating savings in colder climates with manual control	kWh/a	8914
Annual heating savings in average climates with manual control	kWh/a	4556
Annual heating savings in warmer climates with manual control	kWh/a	2060



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		LWZ 70 E
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Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 70 E
Specific energy consumption in colder climates, time control	kWh/(m ² p.a.)	-74.33
Specific energy consumption in average climates, time control	kWh/(m ² p.a.)	-35.96
Specific energy consumption in warmer climates, time control	kWh/(m ² p.a.)	-11.35
Energy efficiency class in colder climates, time control		A+
Energy efficiency class in average climates, time control		A
Energy efficiency class in warmer climates, time control		E
Ventilation unit type		Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	89
Max. air flow rate	m ³ /h	180
Max. power consumption	W	82
Sound power level Lwa	dB(A)	42
Reference air flow rate	m ³ /s	0.035
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.33
Control factor, time control		0,95
Declared maximum internal leakage rates	%	7,2
Declared maximum external leakage rates	%	7.20
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with time control	kWh/a	975
Annual power consumption in average climates with time control	kWh/a	438
Annual power consumption in warmer climates with time control	kWh/a	393
Annual heating savings in colder climates with time control	kWh/a	8947
Annual heating savings in average climates with time control	kWh/a	4574
Annual heating savings in warmer climates with time control	kWh/a	2068



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LWZ 70 E sensor



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Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 70 E
Specific energy consumption in colder climates, central demand-dependent control	kWh/(m ² p.a.)	-76.86
Specific energy consumption in average climates, central demand-dependent control	kWh/(m ² p.a.)	-38.16
Specific energy consumption in warmer climates, central demand-dependent control	kWh/(m ² p.a.)	-13.37
Energy efficiency class in colder climates, central demand-dependent control		A+
Energy efficiency class in average climates, central demand-dependent control		A
Energy efficiency class in warmer climates, central demand-dependent control		E
Ventilation unit type		Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	89
Max. air flow rate	m ³ /h	180
Max. power consumption	W	82
Sound power level L _{wa}	dB(A)	42
Reference air flow rate	m ³ /s	0.035
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.33
Control factor, central demand-dependent control		0,85
Declared maximum internal leakage rates	%	7,2
Declared maximum external leakage rates	%	7.20
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with central demand-dependent control	kWh/a	933
Annual power consumption in average climates with central demand-dependent control	kWh/a	396
Annual power consumption in warmer climates with central demand-dependent control	kWh/a	351
Annual heating savings in colder climates with central demand-dependent control	kWh/a	9015
Annual heating savings in average climates with central demand-dependent control	kWh/a	4602
Annual heating savings in warmer climates with central demand-dependent control	kWh/a	2084



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LWZ 70 E sensors



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Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 70 E
Specific energy consumption in colder climates, control subject to on-site requirements	kWh/(m ² p.a.)	-81.30
Specific energy consumption in average climates, control subject to on-site requirements	kWh/(m ² p.a.)	-41.95
Specific energy consumption in warmer climates, control subject to on-site requirements	kWh/(m ² p.a.)	-16.78
Energy efficiency class in average climates, control subject to on-site requirements		A
Energy efficiency class in warmer climates, control subject to on-site requirements		E
Ventilation unit type		Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	89
Max. air flow rate	m ³ /h	180
Max. power consumption	W	82
Sound power level Lwa	dB(A)	42
Reference air flow rate	m ³ /s	0.035
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.33
Control factor, control subject to on-site requirements		0,65
Declared maximum internal leakage rates	%	7,2
Declared maximum external leakage rates	%	7.20
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with control subject to on-site requirements	kWh/a	851
Annual power consumption in average climates with control subject to on-site requirements	kWh/a	314
Annual power consumption in warmer climates with control subject to on-site requirements	kWh/a	269
Annual heating savings in colder climates with control subject to on-site requirements	kWh/a	9149
Annual heating savings in average climates with control subject to on-site requirements	kWh/a	4677
Annual heating savings in warmer climates with control subject to on-site requirements	kWh/a	2115