



ENERGY

STIEBEL ELTRON

LWZ 280 Balance
Set 1 manual



48
dB

350 m³/h

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2016

1254/2014

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

		LWZ 280 Balance Set 1
		236883
Manufacturer		STIEBEL ELTRON
Specific energy consumption in colder climates, manual control	kWh/(m ² p.a.)	-75.55
Specific energy consumption in average climates, manual control	kWh/(m ² p.a.)	-37.62
Specific energy consumption in warmer climates, manual control	kWh/(m ² p.a.)	-13.27
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		WLA, Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	88.3
Max. air flow rate	m ³ /h	350
Max. power consumption	W	134
Sound power level Lwa	dB(A)	48
Reference air flow rate	m ³ /s	0.06806
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.23
Control factor, manual control		1
Declared maximum internal leakage rates	%	0.45
Declared maximum external leakage rates	%	0.32
Filter change indicator		Optical filter change indicator in the remote control display Attention: A regular filter change is important for a low energy efficiency of the system.
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with manual control	kWh/a	870
Annual power consumption in average climates with manual control	kWh/a	333
Annual power consumption in warmer climates with manual control	kWh/a	288
Annual heating savings in colder climates with manual control	kWh/a	8857
Annual heating savings in average climates with manual control	kWh/a	4528
Annual heating savings in warmer climates with manual control	kWh/a	2047



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		LWZ 280 Balance Set 1
		236883
Manufacturer		STIEBEL ELTRON
Specific energy consumption in colder climates, time control	kWh/(m ² p.a.)	-76.62
Specific energy consumption in average climates, time control	kWh/(m ² p.a.)	-38.51
Specific energy consumption in warmer climates, time control	kWh/(m ² p.a.)	-14.06
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		WLA, Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	88.3
Max. air flow rate	m ³ /h	350
Max. power consumption	W	134
Sound power level Lwa	dB(A)	48
Reference air flow rate	m ³ /s	0.06806
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.23
Control factor, time control		0,95
Declared maximum internal leakage rates	%	0.45
Declared maximum external leakage rates	%	0.32
Filter change indicator		Optical filter change indicator in the remote control display Attention: A regular filter change is important for a low energy efficiency of the system.
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with time control	kWh/a	842
Annual power consumption in average climates with time control	kWh/a	305
Annual power consumption in warmer climates with time control	kWh/a	260
Annual heating savings in colder climates with time control	kWh/a	8894
Annual heating savings in average climates with time control	kWh/a	4546
Annual heating savings in warmer climates with time control	kWh/a	2056



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1254/2014

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		LWZ 280 Balance Set 1
		236883
Manufacturer		STIEBEL ELTRON
Specific energy consumption in colder climates, central demand-dependent control	kWh/(m ² p.a.)	-78.64
Specific energy consumption in average climates, central demand-dependent control	kWh/(m ² p.a.)	-40.18
Specific energy consumption in warmer climates, central demand-dependent control	kWh/(m ² p.a.)	-15.52
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		WLA, Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	88.3
Max. air flow rate	m ³ /h	350
Max. power consumption	W	134
Sound power level Lwa	dB(A)	48
Reference air flow rate	m ³ /s	0.06806
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.23
Control factor, central demand-dependent control		0.85
Declared maximum internal leakage rates	%	0.45
Declared maximum external leakage rates	%	0.32
Filter change indicator		Optical filter change indicator in the remote control display Attention: A regular filter change is important for a low energy efficiency of the system.
Internet address for assembly and disassembly instructions		www.stiebel-eltron.com
Annual power consumption in colder climates with central demand-dependent control	kWh/a	790
Annual power consumption in average climates with central demand-dependent control	kWh/a	253
Annual power consumption in warmer climates with central demand-dependent control	kWh/a	208
Annual heating savings in colder climates with central demand-dependent control	kWh/a	8967
Annual heating savings in average climates with central demand-dependent control	kWh/a	4584
Annual heating savings in warmer climates with central demand-dependent control	kWh/a	2073



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Manufacturer		STIEBEL ELTRON
Specific energy consumption in colder climates, control subject to on-site requirements	kWh/(m ² p.a.)	-82.26
Specific energy consumption in average climates, control subject to on-site requirements	kWh/(m ² p.a.)	-43.09
Specific energy consumption in warmer climates, control subject to on-site requirements	kWh/(m ² p.a.)	-18.02
Energy efficiency class in colder climates, control subject to on-site requirements		A+
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		WLA, Two directions
Drive type		Variable speed
Heat recovery method		Recovery
Rate of temperature change for heat recovery	%	88.3
Max. air flow rate	m ³ /h	350
Max. power consumption	W	134
Sound power level Lwa	dB(A)	48
Reference air flow rate	m ³ /s	0.06806
Reference pressure differential	Pa	50
Specific input	W/(m ³ /h)	0.23
Control factor, control subject to on-site requirements		0.65
Declared maximum internal leakage rates	%	0.45
Declared maximum external leakage rates	%	0.32
Filter change indicator		Optical filter change indicator in the remote control display Attention: A regular filter change is important for a low energy efficiency of the system.
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	704
Annual power consumption in average climates with control subject to on-site requirements	kWh/a	167
Annual power consumption in warmer climates with control subject to on-site requirements	kWh/a	122
Annual heating savings in colder climates with control subject to on-site requirements	kWh/a	9113
Annual heating savings in average climates with control subject to on-site requirements	kWh/a	4658
Annual heating savings in warmer climates with control subject to on-site requirements	kWh/a	2106