



# ENERGY

**STIEBEL ELTRON**

LWZ 180 Balance  
Set 1 manual



**43**  
dB

**250 m<sup>3</sup>/h**

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2016

1254/2014

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

		<b>LWZ 180 Balance Set 1</b>
		236881
Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 180 balance set 1
Specific energy consumption in colder climates, manual control	kWh/(m <sup>2</sup> p.a.)	-77.43
Specific energy consumption in average climates, manual control	kWh/(m <sup>2</sup> p.a.)	-39.20
Specific energy consumption in warmer climates, manual control	kWh/(m <sup>2</sup> p.a.)	-14.67
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	%	89.3
Max. air flow rate	m <sup>3</sup> /h	250
Max. power consumption	W	74
Sound power level Lwa	dB(A)	43
Reference air flow rate	m <sup>3</sup> /s	0.04861
Reference pressure differential	Pa	50
Specific input	W/(m <sup>3</sup> /h)	0.19
Control factor, manual control		1
Declared maximum internal leakage rates	%	0.63
Declared maximum external leakage rates	%	0.44
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		<a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a>
Annual power consumption in colder climates with manual control	kWh/a	820
Annual power consumption in average climates with manual control	kWh/a	283
Annual power consumption in warmer climates with manual control	kWh/a	238
Annual heating savings in colder climates with manual control	kWh/a	8920
Annual heating savings in average climates with manual control	kWh/a	4560
Annual heating savings in warmer climates with manual control	kWh/a	2062



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		<b>LWZ 180 Balance Set 1</b>
		236881
Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 180 balance set 1
Specific energy consumption in colder climates, time control	kWh/(m <sup>2</sup> p.a.)	-78.34
Specific energy consumption in average climates, time control	kWh/(m <sup>2</sup> p.a.)	-39.95
Specific energy consumption in warmer climates, time control	kWh/(m <sup>2</sup> p.a.)	-15.32
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	%	89.3
Max. air flow rate	m <sup>3</sup> /h	250
Max. power consumption	W	74
Sound power level Lwa	dB(A)	43
Reference air flow rate	m <sup>3</sup> /s	0.04861
Reference pressure differential	Pa	50
Specific input	W/(m <sup>3</sup> /h)	0.19
Control factor, time control		0,95
Declared maximum internal leakage rates	%	0.63
Declared maximum external leakage rates	%	0.44
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		<a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a>
Annual power consumption in colder climates with time control	kWh/a	797
Annual power consumption in average climates with time control	kWh/a	260
Annual power consumption in warmer climates with time control	kWh/a	215
Annual heating savings in colder climates with time control	kWh/a	8953
Annual heating savings in average climates with time control	kWh/a	4577
Annual heating savings in warmer climates with time control	kWh/a	2069



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Set 1 sensor



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		<b>LWZ 180 Balance Set 1</b>
		236881
Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 180 balance set 1
Specific energy consumption in colder climates, central demand-dependent control	kWh/(m <sup>2</sup> p.a.)	-80.08
Specific energy consumption in average climates, central demand-dependent control	kWh/(m <sup>2</sup> p.a.)	-41.36
Specific energy consumption in warmer climates, central demand-dependent control	kWh/(m <sup>2</sup> p.a.)	-16.55
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	%	89.3
Max. air flow rate	m <sup>3</sup> /h	250
Max. power consumption	W	74
Sound power level Lwa	dB(A)	43
Reference air flow rate	m <sup>3</sup> /s	0.04861
Reference pressure differential	Pa	50
Specific input	W/(m <sup>3</sup> /h)	0.19
Control factor, central demand-dependent control		0.85
Declared maximum internal leakage rates	%	0.63
Declared maximum external leakage rates	%	0.44
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		<a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a>
Annual power consumption in colder climates with central demand-dependent control	kWh/a	754
Annual power consumption in average climates with central demand-dependent control	kWh/a	217
Annual power consumption in warmer climates with central demand-dependent control	kWh/a	172
Annual heating savings in colder climates with central demand-dependent control	kWh/a	9020
Annual heating savings in average climates with central demand-dependent control	kWh/a	4611
Annual heating savings in warmer climates with central demand-dependent control	kWh/a	2085



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		236881
Manufacturer		STIEBEL ELTRON
Model identification of the supplier		LWZ 180 balance set 1
Specific energy consumption in colder climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-83.2
Specific energy consumption in average climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-43.82
Specific energy consumption in warmer climates, control subject to on-site requirements	kWh/(m <sup>2</sup> p.a.)	-18.64
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	%	89.3
Max. air flow rate	m <sup>3</sup> /h	250
Max. power consumption	W	74
Sound power level Lwa	dB(A)	43
Reference air flow rate	m <sup>3</sup> /s	0.04861
Reference pressure differential	Pa	50
Specific input	W/(m <sup>3</sup> /h)	0.19
Control factor, control subject to on-site requirements		0.65
Declared maximum internal leakage rates	%	0.63
Declared maximum external leakage rates	%	0.44
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		<a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a>
Annual power consumption in colder climates with control subject to on-site requirements	kWh/a	683
Annual power consumption in average climates with control subject to on-site requirements	kWh/a	146
Annual power consumption in warmer climates with control subject to on-site requirements	kWh/a	101
Annual heating savings in colder climates with control subject to on-site requirements	kWh/a	9153
Annual heating savings in average climates with control subject to on-site requirements	kWh/a	4679
Annual heating savings in warmer climates with control subject to on-site requirements	kWh/a	2116