



ENERG Y IJA
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STIEBEL ELTRON

LWZ 280 Balance
Set 1 manual



48
dB

350 m³/h

ENERGIA · ЕНЕРГИЯ · ΕΝΕΡΓΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI

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 |
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| 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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| | | LWZ 280 Balance Set 1 |
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| 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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| | | LWZ 280 Balance Set 1 |
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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 |