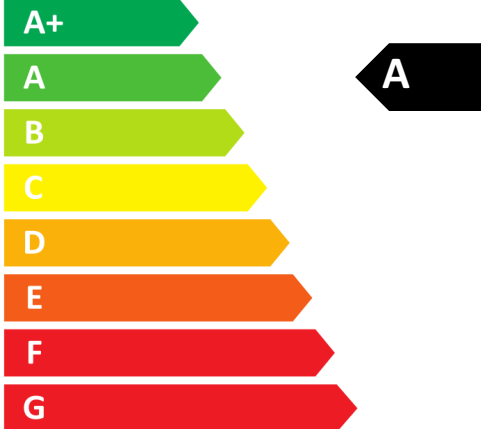




ENERG Y IJA
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tecalor

TVZ 70 E



42
dB



180 m³/h



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2016 1254/2014

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

| | | TVZ 70 E |
|---|-----------|-------------------|
| | | 190391 |
| Manufacturer | | tecalor |
| Specific energy consumption under colder climate conditions with control subject to on-site requirements | kWh/(m²a) | -81,30 |
| Specific energy consumption under average climate conditions with control subject to on-site requirements | kWh/(m²a) | -41,95 |
| Specific energy consumption under warmer climate conditions with control subject to on-site requirements | kWh/(m²a) | -16,78 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahl geregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 89,0 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 82 |
| Sound power level LWA | dB(A) | 42 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,33 |
| Control factor, control subject to on-site requirements | | 0,65 |
| Internal air leakage quota | % | 0,70 |
| External air leakage quota | % | 0,80 |
| Annual power consumption under colder climate conditions with control subject to on-site requirements | kWh/a | 851 |
| Annual power consumption under average climate conditions with control subject to on-site requirements | kWh/a | 314 |
| Annual power consumption under warmer climate conditions with control subject to on-site requirements | kWh/a | 269 |
| Annual heating savings under colder climate conditions with control subject to on-site requirements | kWh/a | 9149 |
| Annual heating savings under average climate conditions with control subject to on-site requirements | kWh/a | 4677 |
| Annual heating savings under warmer climate conditions with control subject to on-site requirements | kWh/a | 2115 |

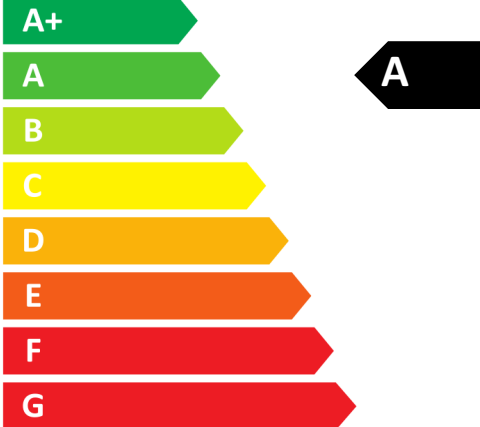


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2016 1254/2014

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| | | TVZ 70 E |
|--|-----------|-------------------|
| | | 190391 |
| Manufacturer | | tecalor |
| Specific energy consumption under colder climate conditions with central demand-dependent control | kWh/(m²a) | -76,86 |
| Specific energy consumption under average climate conditions with central demand-dependent control | kWh/(m²a) | -38,16 |
| Specific energy consumption under warmer climate conditions with central demand-dependent control | kWh/(m²a) | -13,37 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahl geregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 89,0 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 82 |
| Sound power level LWA | dB(A) | 42 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,33 |
| Control factor, central demand-dependent control | | 0,85 |
| Internal air leakage quota | % | 0,70 |
| External air leakage quota | % | 0,80 |
| Annual power consumption under colder climate conditions with central demand-dependent control | kWh/a | 933 |
| Annual power consumption under average climate conditions with central demand-dependent control | kWh/a | 396 |
| Annual power consumption under warmer climate conditions with central demand-dependent control | kWh/a | 351 |
| Annual heating savings under colder climate conditions with central demand-dependent control | kWh/a | 9015 |
| Annual heating savings under average climate conditions with central demand-dependent control | kWh/a | 4602 |
| Annual heating savings under warmer climate conditions with central demand-dependent control | kWh/a | 2084 |

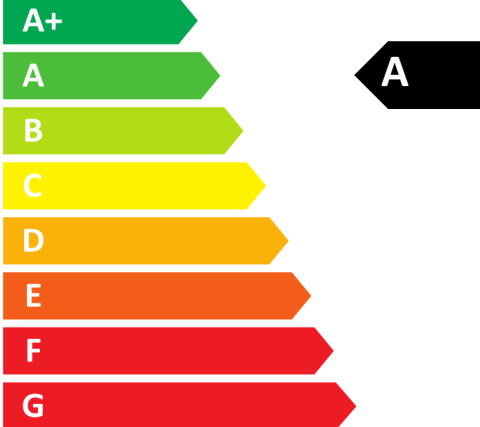


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180 m³/h



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2016 1254/2014

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| | | TVZ 70 E |
|--|-----------|-------------------|
| | | 190391 |
| Manufacturer | | tecalor |
| Specific energy consumption under colder climate conditions with time control | kWh/(m²a) | -74,33 |
| Specific energy consumption under average climate conditions with time control | kWh/(m²a) | -35,96 |
| Specific energy consumption under warmer climate conditions with time control | kWh/(m²a) | -11,35 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahl geregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 89,0 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 82 |
| Sound power level LWA | dB(A) | 42 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,33 |
| Control factor, time control | | 0,95 |
| Internal air leakage quota | % | 0,70 |
| External air leakage quota | % | 0,80 |
| Annual power consumption under colder climate conditions with time control | kWh/a | 975 |
| Annual power consumption under average climate conditions with time control | kWh/a | 438 |
| Annual power consumption under warmer climate conditions with time control | kWh/a | 393 |
| Annual heating savings under colder climate conditions with time control | kWh/a | 8947 |
| Annual heating savings under average climate conditions with time control | kWh/a | 4574 |
| Annual heating savings under warmer climate conditions with time control | kWh/a | 2068 |

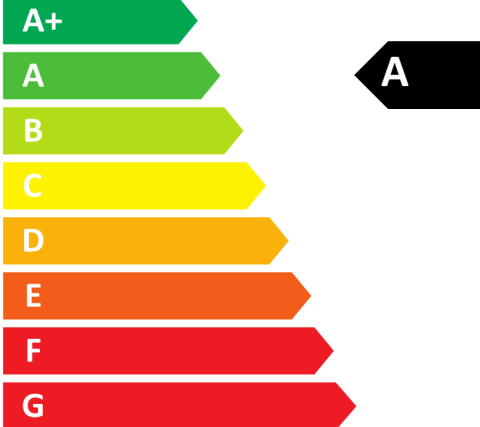


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180 m³/h



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2016 1254/2014

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| | | TVZ 70 E |
|--|-----------|------------------|
| | | 190391 |
| Manufacturer | | tecalor |
| Specific energy consumption under colder climate conditions with manual control | kWh/(m²a) | -72,98 |
| Specific energy consumption under average climate conditions with manual control | kWh/(m²a) | -34,78 |
| Specific energy consumption under warmer climate conditions with manual control | kWh/(m²a) | -10,27 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 89,0 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 82 |
| Sound power level LWA | dB(A) | 42 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,33 |
| Control factor, manual control | | 1,00 |
| Internal air leakage quota | % | 0,70 |
| External air leakage quota | % | 0,80 |
| Annual power consumption under colder climate conditions with manual control | kWh/a | 995 |
| Annual power consumption under average climate conditions with manual control | kWh/a | 458 |
| Annual power consumption under warmer climate conditions with manual control | kWh/a | 413 |
| Annual heating savings under colder climate conditions with manual control | kWh/a | 8914 |
| Annual heating savings under average climate conditions with manual control | kWh/a | 4556 |
| Annual heating savings under warmer climate conditions with manual control | kWh/a | 2060 |