| Manufacturer: | AWE WÄRMEPUMPEN |
|---|---|
| **Model:** | **ELW 32** |
| **Air - to-water heat pump** | |
| Low-temperature heat pump: | yes |
| Equipped with a supplementary heater: | no |
| Heat pump combination heater: | no |
| Application: | medium |
| Climate: | average |

| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
|---|---|---|---|---|---|---|---|
| **Rated heat output \*** | $Prated$ | 31 | kW | **Seasonal space heating energy efficiency** | $\eta_S$ | 93 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$ | | | |
| $T_j = $ - 7 ºC | $Pdh$ | 23,9 | kW | $T_j = $ - 7 ºC | $COPd$ | 2,54 | |
| $T_j = $ + 2 ºC | $Pdh$ | 29,2 | kW | $T_j = $ + 2 ºC | $COPd$ | 2,78 | |
| $T_j = $ + 7 ºC | $Pdh$ | 33,0 | kW | $T_j = $ + 7 ºC | $COPd$ | 2,82 | |
| $T_j = $ + 12 ºC | $Pdh$ | 37,0 | kW | $T_j = $ + 12 ºC | $COPd$ | 2,86 | |
| $T_j = $ bivalent temperature | $Pdh$ | 25,4 | kW | $T_j = $ bivalent temperature | $COPd$ | 2,78 | |
| $T_j = $ operation limit | $Pdh$ | 21,8 | kW | $T_j = $ operation limit | $COPd$ | 2,24 | |
| For air-to-water heat pumps: $T_j = $ - 15 ºC (if $TOL < $ - 20 ºC) | $Pdh$ | 18,7 | kW | For air-to-water heat pumps: $T_j = $ - 15 ºC (if $TOL < $ - 20 ºC) | $COPd$ | 1,81 | |
| Bivalent temperature | $T_{biv}$ | -5 | °C | For air-to-water heat pumps: Operation limit temperature | $TOL$ | -10 | °C |
| Power input "compressor off" | | 0 | W | Heating water operating limit temperature | $WTOL$ | 55 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | $P_{OFF}$ | 0 | W | Rated heat output \* | $P_{sup}$ | 9,60 | kW |
| Thermostat-off mode | $P_{TO}$ | 0 | W | Type of energy input | | electricity | |
| Standby mode | $P_{SB}$ | 0 | W | | | | |
| Crankcase heater mode | $P_{CK}$ | 0 | W | | | | |
| Other items | | | | | | | |
| Capacity control | | fixed | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 6500 | m³/h |
| Sound power level, indoors/outdoors | $L_{WA}$ | 40 / 34 | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | | l/h |
| Annual energy consumption | $Q_{HE}$ | 26927 | kWh | | | | |

| Contact details: | AWE WÄRMEPUMPEN, |
|---|---|

\* For heat pump space heaters and heat pump combination heaters, the rated heat output $Prated$ is equal to the design load for heating $Pdesignh$, and the rated heat output of a supplementary heater $Psup$ is equal to the supplementary capacity for heating $sup(Tj)$.

The calculation tool was made by Bundesverband Wärmepumpe BWP e.V.