

AMICUS LAHP-2304WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

| Model | | LAHP-2304WW | |
|--|--------|-------------|----------------------|
| Energy class | N/A | | |
| Water-to-water heat pump | Yes | | |
| Low-temperature heat pump | No | | |
| Supplementary heater | No | | |
| Heat pump combination heater | No | | |
| | | | Low Temperature |
| Item | Symbol | Value | Units of measurement |
| Rated heat output | Prated | 276.4 | [kW] |
| Tj = -7 [°C] | Pdh | 244.5 | [kW] |
| Tj = 2 [°C] | Pdh | 148.8 | [kW] |
| Tj = 7 [°C] | Pdh | 95.69 | [kW] |
| Tj = 12 [°C] | Pdh | 65.87 | [kW] |
| Tj = -7 [°C] | Pdh | 244.5 | [kW] |
| Tbivalent | Tbiv | -7 | [°C] |
| Cycling interval capacity for heating | Pcych | - | [kW] |
| Degradation coefficient | Cdh | 0.8689 | [-] |
| Power consumption in off mode | Poff | 0.02 | [kW] |
| Power consumption in thermostat-off mode | Pto | 0.9386 | [kW] |
| Power consumption in standby mode | Psb | 0.02 | [kW] |
| Power consumption in crankcase heater mode | Pck | 0.38 | [kW] |
| Capacity control | | Step | |
| Sound power level, indoor/outdoor measured | Lwa | 0/82 | [dB(A)] |
| Emissions of nitrogen oxides | NOx | 0 | [mg/kWh] |
| Seasonal space heating energy efficiency | ηs | 232.400 | [%] |
| Tj = -7 [°C] | COPd | 5.779 | [-] |
| Tj = 2 [°C] | COPd | 6.285 | [-] |
| Tj = 7 [°C] | COPd | 6.468 | [-] |
| Tj = 12 [°C] | COPd | 6.486 | [-] |
| Tj = -7 [°C] | COPd | 5.779 | [-] |
| Cycling interval efficiency | COPcyc | - | [-] |
| Heating water operating limit temperature | WTOL | 80 | [°C] |
| Rated water flow rate | | 57.62 | [m ³ /h] |
| Heating energy demand | | 386994 | [kWh] |
| Total electrical consumption | | 64397 | [kWh] |
| SCOP | | 6.01 | [-] |
| Climatic condition | | Average | |

ErP product fiche_LAHP-2304WW_September 2019



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| Energy class | N/A | | |
| Water-to-water heat pump | Yes | | |
| Low-temperature heat pump | No | | |
| Supplementary heater | No | | |
| Heat pump combination heater | No | | |
| | | | High Temperature |
| Item | Symbol | Value | Units of measurement |
| Rated heat output | Prated | 256.5 | [kW] |
| Tj = -7 [°C] | Pdh | 226.9 | [kW] |
| Tj = 2 [°C] | Pdh | 138.1 | [kW] |
| Tj = 7 [°C] | Pdh | 88.78 | [kW] |
| Tj = 12 [°C] | Pdh | 63.88 | [kW] |
| Tj = -7 [°C] | Pdh | 226.9 | [kW] |
| Tbivalent | Tbiv | -7 | [°C] |
| Cycling interval capacity for heating | Pcych | - | [kW] |
| Degradation coefficient | Cdh | 0.9137 | [-] |
| Power consumption in off mode | Poff | 0.02 | [kW] |
| Power consumption in thermostat-off mode | Pto | 0.5404 | [kW] |
| Power consumption in standby mode | Psb | 0.02 | [kW] |
| Power consumption in crankcase heater mode | Pck | 0.38 | [kW] |
| Capacity control | | Step | |
| Sound power level, indoor/outdoor measured | Lwa | 0/82 | [dB(A)] |
| Emissions of nitrogen oxides | NOx | 0 | [mg/kWh] |
| Seasonal space heating energy efficiency | η_s | 183.600 | [%] |
| Tj = -7 [°C] | COPd | 3.892 | [-] |
| Tj = 2 [°C] | COPd | 4.935 | [-] |
| Tj = 7 [°C] | COPd | 5.489 | [-] |
| Tj = 12 [°C] | COPd | 5.943 | [-] |
| Tj = -7 [°C] | COPd | 3.892 | [-] |
| Cycling interval efficiency | COPcyc | - | [-] |
| Heating water operating limit temperature | WTOL | 80 | [°C] |
| Rated water flow rate | | 46.88 | [m ³ /h] |
| Heating energy demand | | 359080 | [kWh] |
| Total electrical consumption | | 74979 | [kWh] |
| SCOP | | 4.789 | [-] |
| Climatic condition | | Average | |