

AMICUS LAHP-902WW PRODUCT FICHE

According regulations 811/2013 and 812/2013

| Model | | LAHP-902WW | |
|--|--------|------------|----------------------|
| 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 | 111.1 | [kW] |
| Tj = -7 [°C] | Pdh | 98.26 | [kW] |
| Tj = 2 [°C] | Pdh | 59.81 | [kW] |
| Tj = 7 [°C] | Pdh | 52.28 | [kW] |
| Tj = 12 [°C] | Pdh | 52.77 | [kW] |
| Tj = -7 [°C] | Pdh | 98.26 | [kW] |
| Tbivalent | Tbiv | -7 | [°C] |
| Cycling interval capacity for heating | Pcych | - | [kW] |
| Degradation coefficient | Cdh | 0.9115 | [-] |
| Power consumption in off mode | Poff | 0.02 | [kW] |
| Power consumption in thermostat-off mode | Pto | 0.519 | [kW] |
| Power consumption in standby mode | Psb | 0.02 | [kW] |
| Power consumption in crankcase heater mode | Pck | 0.164 | [kW] |
| Capacity control | | Step | |
| Sound power level, indoor/outdoor measured | Lwa | 0/78 | [dB(A)] |
| Emissions of nitrogen oxides | NOx | 0 | [mg/kWh] |
| Seasonal space heating energy efficiency | ηs | 226.000 | [%] |
| Tj = -7 [°C] | COPd | 5.697 | [-] |
| Tj = 2 [°C] | COPd | 6.136 | [-] |
| Tj = 7 [°C] | COPd | 6.558 | [-] |
| Tj = 12 [°C] | COPd | 6.787 | [-] |
| Tj = -7 [°C] | COPd | 5.697 | [-] |
| Cycling interval efficiency | COPcyc | - | [-] |
| Heating water operating limit temperature | WTOL | 80 | [°C] |
| Rated water flow rate | | 23.04 | [m³/h] |
| Heating energy demand | | 155504 | [kWh] |
| Total electrical consumption | | 26581 | [kWh] |
| SCOP | | 5.85 | [-] |
| Climatic condition | | Average | |

ErP product fiche_LAHP-902WW_September 2019



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According regulations 811/2013 and 812/2013

| Model | | LAHP-902WW | |
|--|--------|------------|----------------------|
| 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 | 103.1 | [kW] |
| Tj = -7 [°C] | Pdh | 91.19 | [kW] |
| Tj = 2 [°C] | Pdh | 55.51 | [kW] |
| Tj = 7 [°C] | Pdh | 50.09 | [kW] |
| Tj = 12 [°C] | Pdh | 51.09 | [kW] |
| Tj = -7 [°C] | Pdh | 91.19 | [kW] |
| Tbivalent | Tbiv | -7 | [°C] |
| Cycling interval capacity for heating | Pcych | - | [kW] |
| Degradation coefficient | Cdh | 0.9451 | [-] |
| Power consumption in off mode | Poff | 0.02 | [kW] |
| Power consumption in thermostat-off mode | Pto | 0.2941 | [kW] |
| Power consumption in standby mode | Psb | 0.02 | [kW] |
| Power consumption in crankcase heater mode | Pck | 0.164 | [kW] |
| Capacity control | | Step | |
| Sound power level, indoor/outdoor measured | Lwa | 0/78 | [dB(A)] |
| Emissions of nitrogen oxides | NOx | 0 | [mg/kWh] |
| Seasonal space heating energy efficiency | ηs | 178.700 | [%] |
| Tj = -7 [°C] | COPd | 3.836 | [-] |
| Tj = 2 [°C] | COPd | 4.822 | [-] |
| Tj = 7 [°C] | COPd | 5.466 | [-] |
| Tj = 12 [°C] | COPd | 6.089 | [-] |
| Tj = -7 [°C] | COPd | 3.836 | [-] |
| Cycling interval efficiency | COPcyc | - | [-] |
| Heating water operating limit temperature | WTOL | 80 | [°C] |
| Rated water flow rate | | 18.71 | [m³/h] |
| Heating energy demand | | 144320 | [kWh] |
| Total electrical consumption | | 30926 | [kWh] |
| SCOP | | 4.667 | [-] |
| Climatic condition | | Average | |