This information was generated by the HP KEYMARK database on 17 Dec 2020

| Summary of | TERRA 6 HPLA | Reg. No. | 011-1W0414 |
|---|---|---|---|
| Certificate Holder | | | |
| Name | Ochsner Wärmepumpen GmbH | | |
| Address | Krackowizerstraße 4 | Zip | 4020 |
| City | Linz | Country | Austria |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | VDE Prüf- und Zertifizierungsinstitut | | |
| Subtype title | TERRA 6 HPLA | | |
| Heat Pump Type | Brine/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 1.4 kg | | |
| Certification Date | 30.09.2020 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. 7 | | |

# Model: TERRA 6 HPLA , average climate

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Starting and operating test | passed |

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 5.82 kW | 5.19 kW |
| El input | 1.21 kW | 1.85 kW |
| COP | 4.80 | 2.81 |
| Indoor water flow rate | 1.04 m³/h | 1.04 m³/h |

## Average Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 0 dB(A) | 0 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 205 % | 134 % |
| Prated | 6.00 kW | 5.00 kW |
| SCOP | 5.32 | 3.55 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.80 kW | 5.30 kW |
| COP Tj = -7°C | 4.87 | 2.94 |
| Pdh Tj = +2°C | 5.90 kW | 5.50 kW |
| COP Tj = +2°C | 5.24 | 3.49 |
| Pdh Tj = +7°C | 6.00 kW | 5.60 kW |
| COP Tj = +7°C | 5.61 | 3.92 |
| Pdh Tj = 12°C | 6.00 kW | 5.70 kW |
| COP Tj = 12°C | 6.03 | 4.44 |
| Pdh Tj = Tbiv | 5.80 kW | 5.20 kW |

| | | |
|---|---|---|
| COP Tj = Tbiv | 4.81 | 2.81 |
| Pdh Tj = TOL | 5.80 kW | 5.20 kW |
| COP Tj = TOL | 4.81 | 2.81 |
| Rated airflow rate | 0 m³/h | 0 m³/h |
| Cdh | 0.90 | 0.90 |
| WTOL | 65 °C | 65 °C |
| Poff | 0 W | 0 W |
| PTO | 54 W | 54 W |
| PSB | 9 W | 9 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2262 kWh | 3017 kWh |

## Warmer Climate

## Colder Climate

# Model: TERRA 6 HPLA, low temperature, all climates

| General Data | |
|---|---|
| Power supply | 3x400V 50Hz |

## Heating

| EN 14511-4 | |
|---|---|
| | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Starting and operating test | passed |

| EN 14511-2 | |
|---|---|
| | **Low temperature** |
| Heat output | 5.82 kW |
| El input | 1.21 kW |
| COP | 4.80 |
| Indoor water flow rate | 1.04 m³/h |

## Average Climate

| EN 12102-1 | |
|---|---|
| | **Low temperature** |
| Sound power level indoor | 43 dB(A) |
| Sound power level outdoor | 0 dB(A) |

| EN 14825 | |
|---|---|
| | **Low temperature** |
| $\eta_s$ | 205 % |
| Prated | 6.00 kW |
| SCOP | 5.32 |
| Tbiv | -10 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 5.80 kW |
| COP Tj = -7°C | 4.87 |
| Pdh Tj = +2°C | 5.90 kW |
| COP Tj = +2°C | 5.24 |
| Pdh Tj = +7°C | 6.00 kW |
| COP Tj = +7°C | 5.61 |
| Pdh Tj = 12°C | 6.00 kW |
| COP Tj = 12°C | 6.03 |
| Pdh Tj = Tbiv | 5.80 kW |

| | |
|---|---|
| COP Tj = Tbiv | 4.81 |
| Pdh Tj = TOL | 5.80 kW |
| COP Tj = TOL | 4.81 |
| Rated airflow rate | 0 m³/h |
| Cdh | 0.90 |
| WTOL | 65 °C |
| Poff | 0 W |
| PTO | 54 W |
| PSB | 9 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | electricity |
| Supplementary Heater: PSUP | 0.00 kW |
| Annual energy consumption Qhe | 2262 kWh |

## Warmer Climate

| **EN 12102-1** | |
|---|---|
| | **Low temperature** |
| Sound power level indoor | 43 dB(A) |
| Sound power level outdoor | 0 dB(A) |

| **EN 14825** | |
|---|---|
| | **Low temperature** |

| | |
|---|---|
| $\eta_s$ | 203 % |
| Prated | 6.00 kW |
| SCOP | 5.28 |
| Tbiv | 2 °C |
| TOL | 0 °C |
| Pdh Tj = -7°C | 0.00 kW |
| COP Tj = -7°C | 0.00 |
| Pdh Tj = +2°C | 5.80 kW |
| COP Tj = +2°C | 4.81 |
| Pdh Tj = +7°C | 5.90 kW |
| COP Tj = +7°C | 5.16 |
| Pdh Tj = 12°C | 6.00 kW |
| COP Tj = 12°C | 5.75 |
| Pdh Tj = Tbiv | 5.80 kW |
| COP Tj = Tbiv | 4.81 |
| Pdh Tj = TOL | 5.80 kW |
| COP Tj = TOL | 4.81 |
| Rated airflow rate | 0 $m^3/h$ |
| Cdh | 0.90 |
| WTOL | 65 °C |

| | |
|---|---|
| Poff | 0 W |
| PTO | 54 W |
| PSB | 9 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | electricity |
| Supplementary Heater: PSUP | 0.00 kW |
| Annual energy consumption Qhe | 1473 kWh |

## Colder Climate

| **EN 12102-1** | |
|---|---|
| | **Low temperature** |
| Sound power level indoor | 43 dB(A) |
| Sound power level outdoor | 0 dB(A) |

| **EN 14825** | |
|---|---|
| | **Low temperature** |
| $\eta_s$ | 212 % |
| Prated | 7.00 kW |
| SCOP | 5.49 |
| Tbiv | -15 °C |
| TOL | -22 °C |

| | |
|---|---|
| Pdh Tj = -7°C | 5.90 kW |
| COP Tj = -7°C | 5.43 |
| Pdh Tj = +2°C | 6.00 kW |
| COP Tj = +2°C | 5.72 |
| Pdh Tj = +7°C | 6.00 kW |
| COP Tj = +7°C | 5.97 |
| Pdh Tj = 12°C | 6.00 kW |
| COP Tj = 12°C | 6.01 |
| Pdh Tj = Tbiv | 5.90 kW |
| COP Tj = Tbiv | 5.31 |
| Pdh Tj = TOL | 5.90 kW |
| COP Tj = TOL | 5.31 |
| Rated airflow rate | 0 m³/h |
| Cdh | 0.90 |
| WTOL | 65 °C |
| Poff | 0 W |
| PTO | 54 W |
| PSB | 9 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | electricity |
| Supplementary Heater: PSUP | 1.43 kW |

| | |
|---|---|
| Annual energy consumption Qhe | 3254 kWh |