

## Subtype TERRA 6 HPLA

Certificate Holder	Ochsner Wärmepumpen GmbH
Address	Krackowizerstraße 4
ZIP	4020
City	Linz
Country	AT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	TERRA 6 HPLA
Registration number	011-1W0414
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

Model name	TERRA 6 HPLA , average climate
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	No

## Brine/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	
Starting and operating test	passed

## EN 12102-1 | Average Climate

	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 | Average Climate

	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	5.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.81	2.81

Rated airflow rate	0 m <sup>3</sup> /h	0 m <sup>3</sup> /h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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

Model name	TERRA 6 HPLA, low temperature, all climates
Application	Heating (low temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	No

## Brine/Water

## EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	
Starting and operating test	passed

## EN 12102-1 | Average Climate

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

## EN 14825 | Average Climate

	Low temperature	Medium 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.80 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.81	

Rated airflow rate	0 m <sup>3</sup> /h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

#### EN 12102-1 | Colder Climate

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

#### EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31	
Rated airflow rate	0 m <sup>3</sup> /h	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 Q <sub>he</sub>	3254 kWh

#### EN 12102-1 | Warmer Climate

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

#### EN 14825 | Warmer Climate

	Low temperature	Medium temperature
$\eta_s$	203 %	
Prated	6.00 kW	
SCOP	5.28	
T <sub>biv</sub>	2 °C	
TOL	0 °C	
P <sub>dh</sub> T <sub>j</sub> = -7°C	0.00 kW	
COP T <sub>j</sub> = -7°C	0.00	
P <sub>dh</sub> T <sub>j</sub> = +2°C	5.80 kW	
COP T <sub>j</sub> = +2°C	4.81	
P <sub>dh</sub> T <sub>j</sub> = +7°C	5.90 kW	
COP T <sub>j</sub> = +7°C	5.16	
P <sub>dh</sub> T <sub>j</sub> = 12°C	6.00 kW	
COP T <sub>j</sub> = 12°C	5.75	
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	5.80 kW	
COP T <sub>j</sub> = T <sub>biv</sub>	4.81	
P <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	5.80 kW	
COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	4.81	
Rated airflow rate	0 m <sup>3</sup> /h	
C <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	0.90	
WTOL	65 °C	
P <sub>off</sub>	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 Q <sub>he</sub>	1473 kWh	