

Subtype TERRA 14 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 14 HPLA
Registration number	011-1W0420
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	2.3 kg
Certification Date	30.09.2020
Testing basis	HP KEYMARK certification scheme rules rev. 7

**Model TERRA 14 HPLA, AVERAGAE CLIMATE**

Model name	TERRA 14 HPLA, AVERAGAE 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
Phase-out Date	06.08.2027

**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	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	13.21 kW	12.00 kW
El input	2.74 kW	3.93 kW
COP	4.82	3.05

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	203 %	142 %
Prated	13.00 kW	12.00 kW
SCOP	5.26	3.75
Tbiv	2 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	12.10 kW
COP Tj = -7°C	3.05	3.18
Cdh Tj = -7 °C		
Pdh Tj = +2°C	12.00 kW	12.50 kW
COP Tj = +2°C	3.05	3.69
Cdh Tj = +2 °C		
Pdh Tj = +7°C	12.40 kW	12.80 kW

COP Tj = +7°C	3.45	4.08
Cdh Tj = +7 °C		
Pdh Tj = 12°C	12.90 kW	13.10 kW
COP Tj = 12°C	4.23	4.54
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
COP Tj = Tbiv	4.84	3.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	3.05
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	84 W	84 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	5186 kWh	6603 kWh

**Model TERRA 14 HPLA, low temperature, all climates**

Model name	TERRA 14 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
Phase-out Date	06.08.2027

**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	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	13.21 kW	
El input	2.74 kW	
COP	4.82	

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	203 %	
Prated	13.00 kW	
SCOP	5.26	
Tbiv	2 °C	
TOL	-20 °C	
Pdh Tj = -7°C	12.00 kW	
COP Tj = -7°C	3.05	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	12.00 kW	
COP Tj = +2°C	3.05	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	12.40 kW	

COP Tj = +7°C	3.45
Cdh Tj = +7 °C	
Pdh Tj = 12°C	12.90 kW
COP Tj = 12°C	4.23
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	13.20 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05
WTOL	65 °C
Poff	0 W
PTO	84 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	5186 kWh

**EN 12102-1 | Colder Climate**

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	

**EN 14825 | Colder Climate**

	Low temperature	Medium temperature
ηs	208 %	
Prated	16.00 kW	
SCOP	5.39	
Tbiv	-15 °C	
TOL	-22 °C	
Pdh Tj = -7°C	13.40 kW	
COP Tj = -7°C	5.35	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	13.50 kW	
COP Tj = +2°C	5.59	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	13.60 kW	
COP Tj = +7°C	5.78	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	13.60 kW	
COP Tj = 12°C	5.82	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	13.40 kW	
COP Tj = Tbiv	5.25	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.25
WTOL	65 °C
Poff	0 W
PTO	84 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.21 kW
Annual energy consumption Qhe	7507 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	

**EN 14825 | Warmer Climate**

	Low temperature	Medium temperature
ηs	202 %	
Prated	13.00 kW	
SCOP	5.25	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = +2°C	13.20 kW	
COP Tj = +2°C	4.84	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	13.30 kW	
COP Tj = +7°C	5.13	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	13.50 kW	
COP Tj = 12°C	5.61	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	13.20 kW	
COP Tj = Tbiv	4.84	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.20 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	
WTOL	65 °C	
Poff	0 W	
PTO	84 W	
PSB	9 W	
PCK	0 W	
Supplementary Heater: Type of energy input	Electricity	

Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	3361 kWh