Subtype TERRA 14 HPLB

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 HPLB
Registration number	011-1W0421
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	2.25 kg
Certification Date	30.09.2020
Testing basis	HP KEYMARK certification scheme rules rev. 7

Model TERRA 14 HPLB, average climate	
Model name	TERRA 14 HPLB, 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
Phase-out Date	06.08.2027

General data	
Power supply	1x230V 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 14511-2 | Heating	Low temperature	Medium temperature
Heat output	13.01 kW	11.80 kW
El input	2.74 kW	3.94 kW
COP	4.75	2.94

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	199 %	138 %
Prated	13.00 kW	12.00 kW
SCOP	5.17	3.64
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.00 kW	11.70 kW
COP Tj = -7°C	4.80	3.07
Pdh Tj = +2°C	13.20 kW	12.20 kW
COP Tj = +2°C	5.11	3.58
Pdh Tj = +7°C	13.30 kW	12.50 kW
COP Tj = +7°C	5.41	3.97

Pdh Tj = 12°C	13.50 kW	12.80 kW
COP Tj = 12°C	5.75	4.43
Pdh Tj = Tbiv	13.00 kW	11.60 kW
COP Tj = Tbiv	4.75	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.00 kW	11.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.75	2.94
Rated airflow rate	0 m^3/h	0 m^3/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	0 W	0 W
PTO	85 W	85 W
PSB	10 W	10 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	5195 kWh	6571 kWh

Model TERRA 14 HPLB, all climates, low temperature	
Model name	TERRA 14 HPLB, all climates, low temperature
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	1x230V 50Hz
Off-peak product	Yes

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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	13.01 kW	
El input	2.74 kW	
COP	4.75	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	
Sound power level outdoor	0 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	199 %	
Prated	13.00 kW	
SCOP	5.17	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	13.00 kW	
COP Tj = -7°C	4.80	
Pdh Tj = +2°C	13.20 kW	
COP Tj = +2°C	5.11	
Pdh Tj = +7°C	13.30 kW	
COP Tj = +7°C	5.41	

Pdh Tj = 12°C	13.50 kW
COP Tj = 12°C	5.75
Pdh Tj = Tbiv	13.00 kW
COP Tj = Tbiv	4.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.75
Rated airflow rate	0 m^3/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90
WTOL	60 °C
Poff	0 W
PTO	85 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	5195 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	
Sound power level outdoor	0 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	204 %	
Prated	16.00 kW	
SCOP	4.39	
Tbiv	-15 °C	
TOL	-22 °C	
Pdh Tj = -7°C	13.30 kW	
COP Tj = -7°C	5.27	
Pdh Tj = +2°C	13.40 kW	
COP Tj = +2°C	5.50	
Pdh Tj = +7°C	13.50 kW	
COP Tj = +7°C	5.70	
Pdh Tj = 12°C	13.50 kW	
COP Tj = 12°C	5.73	
Pdh Tj = Tbiv	13.20 kW	
COP Tj = Tbiv	5.17	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.20 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.17	

Rated airflow rate	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90
WTOL	60 °C
Poff	0 W
PTO	85 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.20 kW
Annual energy consumption Qhe	7530 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	
Sound power level outdoor	0 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	199 %	
Prated	13.00 kW	
SCOP	3.94	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = -7°C	0.00 kW	
COP Tj = -7°C	0.00	
Pdh Tj = +2°C	13.00 kW	
COP Tj = +2°C	4.75	
Pdh Tj = +7°C	13.20 kW	
COP Tj = +7°C	5.04	
Pdh Tj = 12°C	13.40 kW	
COP Tj = 12°C	5.53	
Pdh Tj = Tbiv	13.00 kW	
COP Tj = Tbiv	4.75	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.00 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.75	
Rated airflow rate	0 m³/h	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	
WTOL	60 °C	
Poff	0 W	
PTO	85 W	
PSB	10 W	
PCK	0 W	

Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	3366 kWh