Subtype TERRA 6 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 6 HPLB
Registration number	011-1W0415
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 HPLB, AVERAGE CLIMATE	
Model name	TERRA 6 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	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.89 kW	5.26 kW
El input	1.23 kW	1.80 kW
COP	4.80	2.92

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	201 %	137 %
Prated	6.00 kW	5.00 kW
SCOP	5.22	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.30 kW
COP Tj = -7°C	4.84	3.05
Cdh Tj = -7 °C		
Pdh Tj = +2°C	6.00 kW	5.50 kW
COP Tj = +2°C	5.16	3.58
Cdh Tj = +2 °C		
Pdh Tj = +7°C	6.00 kW	5.70 kW

COP Tj = +7°C	5.48	3.98
Cdh Tj = +7 °C		
Pdh Tj = 12°C	6.10 kW	5.80 kW
COP Tj = 12°C	5.84	4.45
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.90 kW	5.30 kW
COP Tj = Tbiv	4.78	2.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.78	2.92
WTOL	60 °C	60 °C
Poff	0 W	0 W
PTO	55 W	55 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	2326 kWh	2990 kWh

Model TERRA 6 HPLB, low temperature, all climates	
Model name	TERRA 6 HPLB, 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	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	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	5.89 kW	
El input	1.23 kW	
COP	4.80	

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	201 %	
Prated	6.00 kW	
SCOP	5.22	
Tbiv	-10 °C	
TOL	-10 °C	
Pdh Tj = -7°C	5.90 kW	
COP Tj = -7°C	4.84	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	6.00 kW	
COP Tj = +2°C	5.16	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	6.00 kW	

COP Tj = +7°C	5.48
Cdh Tj = +7 °C	
Pdh Tj = 12°C	6.10 kW
COP Tj = 12°C	5.84
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	5.90 kW
COP Tj = Tbiv	4.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.78
WTOL	60 °C
Poff	0 W
PTO	55 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2326 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	207 %	
Prated	7.00 kW	
SCOP	5.11	
Tbiv	-15 °C	
TOL	-22 °C	
Pdh Tj = -7°C	6.00 kW	
COP Tj = -7°C	5.33	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	6.00 kW	
COP Tj = +2°C	5.58	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	6.10 kW	
COP Tj = +7°C	5.79	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	6.10 kW	
COP Tj = 12°C	5.52	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	6.00 kW	
COP Tj = Tbiv	5.22	

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.22
WTOL	60 °C
Poff	0 W
PTO	55 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.44 kW
Annual energy consumption Qhe	3362 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	199 %	
Prated	6.00 kW	
SCOP	4.90	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = +2°C	5.90 kW	
COP Tj = +2°C	4.78	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.90 kW	
COP Tj = +7°C	5.09	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	6.00 kW	
COP Tj = 12°C	5.60	
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.90 kW	
COP Tj = Tbiv	4.78	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.78	
WTOL	60 °C	
Poff	0 W	
PTO	55 W	
PSB	10 W	
PCK	0 W	
Supplementary Heater: Type of energy input	Electricity	

Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1517 kWh