Login

Summary of	TERRA 11 HPLB	Reg. No.	011-1W0419
Certificate Holder			
Name	Ochsner Wärmepumpen GmbH		
Address	Krackowizerstraße 4	Zip	4020
City	Linz	Country	Austria
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	TERRA 11 HPLB		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.13 kg		
Certification Date	30.09.2020		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: TERRA 11 HPLB, average

Configure model	
Model name	TERRA 11 HPLB, average
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	10.30 kW	9.40 kW
El input	2.17 kW	3.24 kW
COP	4.75	2.90

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

Average Climate

EN 12102-1

	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

	Low temperature	Medium temperature
η_s	200 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.21	3.61
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.30 kW	9.50 kW
COP Tj = -7°C	4.81	3.03
Pdh Tj = +2°C	10.40 kW	9.80 kW
COP Tj = +2°C	5.14	3.55
Pdh Tj = +7°C	10.50 kW	10.00 kW
COP Tj = +7°C	5.47	3.95
Pdh Tj = 12°C	10.60 kW	10.20 kW
COP Tj = 12°C	5.84	4.43
Pdh Tj = Tbiv	10.30 kW	9.40 kW

COP Tj = Tbiv	4.75	2.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.75	2.90
Rated airflow rate	0 m³/h	0 m³/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	4091 kWh	5358 kWh

Model: TERRA 11 HPLB, all climates, low temperature

Configure model	
Model name	TERRA 11 HPLB, all climates, low temperature
Application	Heating (low temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	10.31 kW
El input	2.17 kW
COP	4.75

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

Warmer Climate

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

EN 14825	
	Low temperature
η_s	199 %
Prated	10.00 kW
SCOP	4.91
Tbiv	2 °C
TOL	2 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	10.30 kW
COP Tj = +2°C	4.75
Pdh Tj = +7°C	10.40 kW
COP Tj = +7°C	5.07
Pdh Tj = 12°C	10.60 kW
COP Tj = 12°C	5.59
Pdh Tj = Tbiv	10.30 kW

COP Tj = Tbiv	4.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 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	2660 kWh

Colder Climate

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

EN 14825	
	Low temperature

η_s	206 %
Prated	13.00 kW
SCOP	5.10
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	10.50 kW
COP Tj = -7°C	5.31
Pdh Tj = +2°C	10.60 kW
COP Tj = +2°C	5.57
Pdh Tj = +7°C	10.60 kW
COP Tj = +7°C	5.78
Pdh Tj = 12°C	10.60 kW
COP Tj = 12°C	5.82
Pdh Tj = Tbiv	10.50 kW
COP Tj = Tbiv	5.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.20
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	2.50 kW
Annual energy consumption Qhe	5895 kWh

Average Climate

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

EN 14825	
	Low temperature
η_s	200 %
Prated	10.00 kW
SCOP	5.21
Tbiv	-10 °C
TOL	-10 °C

Pdh Tj = -7°C	10.30 kW
COP Tj = -7°C	4.81
Pdh Tj = +2°C	10.40 kW
COP Tj = +2°C	5.14
Pdh Tj = +7°C	10.50 kW
COP Tj = +7°C	5.47
Pdh Tj = 12°C	10.60 kW
COP Tj = 12°C	5.84
Pdh Tj = Tbiv	10.30 kW
COP Tj = Tbiv	4.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 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	4091 kWh