Login

Summary of	TERRA 8 HPLB	Reg. No.	011-1W0417
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 8 HPLB		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.9 kg		
Certification Date	30.09.2020		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: TERRA 8 HPLB, low temperature, all climates

Configure model	
Model name	TERRA 8 HPLB, low temperature, all climates
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	7.60 kW
El input	1.60 kW
COP	4.76

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

Warmer Climate

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

EN 14825	
	Low temperature
η_s	204 %
Prated	8.00 kW
SCOP	5.01
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	7.60 kW
COP Tj = +2°C	4.76
Cdh Tj = +2 °C	
Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.13
Cdh Tj = +7 °C	
Pdh Tj = 12°C	7.80 kW
COP Tj = 12°C	5.77
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	7.60 kW

COP Tj = Tbiv	4.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.76
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	1918 kWh

Colder Climate

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

EN 14825	
	Low temperature
η_s	212 %
Prated	9.00 kW

SCOP	5.24
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	7.70 kW
COP Tj = -7°C	5.42
Cdh Tj = -7 °C	
Pdh Tj = +2°C	7.80 kW
COP Tj = +2°C	5.74
Cdh Tj = +2 °C	
Pdh Tj = +7°C	7.80 kW
COP Tj = +7°C	6.01
Cdh Tj = +7 °C	
Pdh Tj = 12°C	7.80 kW
COP Tj = 12°C	6.05
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	7.70 kW
COP Tj = Tbiv	5.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.29
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	1.84 kW
Annual energy consumption Qhe	4238 kWh

Average Climate

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

EN 14825	
	Low temperature
η_s	204 %
Prated	8.00 kW
SCOP	5.30
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	7.60 kW
COP Tj = -7°C	4.82

Cdh Tj = -7 °C	
Pdh Tj = +2°C	7.70 kW
COP Tj = +2°C	5.22
Cdh Tj = +2 °C	
Pdh Tj = +7°C	7.80 kW
COP Tj = +7°C	5.62
Cdh Tj = +7 °C	
Pdh Tj = 12°C	7.80 kW
COP Tj = 12°C	6.08
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	4.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.76
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	2964 kWh

Model: TERRA 8 HPLB, average climate

Configure model	
Model name	TERRA 8 HPLB, average climate
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	7.60 kW	6.90 kW
El input	1.60 kW	2.53 kW
COP	4.76	2.73

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	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)

EN 14825		
	Low temperature	**Medium temperature**
η_s	204 %	131 %
Prated	8.00 kW	7.00 kW
SCOP	5.30	3.48
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.60 kW	7.00 kW
COP Tj = -7°C	4.82	2.86
Cdh Tj = -7 °C		
Pdh Tj = +2°C	7.70 kW	7.20 kW
COP Tj = +2°C	5.22	3.41
Cdh Tj = +2 °C		
Pdh Tj = +7°C	7.80 kW	7.40 kW
COP Tj = +7°C	5.62	3.85
Cdh Tj = +7 °C		
Pdh Tj = 12°C	7.80 kW	7.50 kW

COP Tj = 12°C	6.08	4.39
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	7.60 kW	6.90 kW
COP Tj = Tbiv	4.76	2.73
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.76	2.73
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	2964 kWh	4113 kWh