

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	TERRA 8 HPLA	Reg. No.	011-1W0416
Certificate Holder			
Name	Ochsner Wärmepumpen GmbH		
Address	Krackowizerstraße 4	Zip	4020
City	Linz	Country	Austria
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	VDE Prüf- und Zertifizierungsinstitut		
Subtype title	TERRA 8 HPLA		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.72 kg		
Certification Date	30.09.2020		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: TERRA 8 HPLA, low temperature, all climates

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-4

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

EN 14511-2

	Low temperature
Heat output	7.50 kW
El input	1.55 kW
COP	4.84
Indoor water flow rate	1.28 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature
Sound power level indoor	44 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825

	Low temperature
η_s	205 %
Prated	8.00 kW
SCOP	5.32
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	7.50 kW
COP Tj = -7°C	4.90
Cdh	
Pdh Tj = +2°C	7.60 kW
COP Tj = +2°C	5.25
Cdh	
Pdh Tj = +7°C	7.60 kW
COP Tj = +7°C	5.60
Cdh	

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Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.99
Cdh	
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL	7.50 kW
COP Tj = TOL	4.84
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C
Poff	0 W
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2912 kWh

Warmer Climate

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EN 12102-1

	Low temperature
Sound power level indoor	44 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825

	Low temperature
η_s	204 %
Prated	8.00 kW
SCOP	5.31
Tbiv	2 °C
TOL	0 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	7.50 kW
COP Tj = +2°C	4.84
Pdh Tj = +7°C	7.60 kW
COP Tj = +7°C	5.17
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.73
Pdh Tj = Tbiv	7.50 kW

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COP $T_j = T_{biv}$	4.84
P _{dh} $T_j = TOL$	7.50 kW
COP $T_j = TOL$	4.84
Rated airflow rate	0 m ³ /h
C _{dh}	0.90
WTOL	65 °C
P _{off}	0 W
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Q _{he}	1888 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level indoor	44 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature

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η_s	211 %
Prated	9.00 kW
SCOP	5.48
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	7.60 kW
COP Tj = -7°C	5.42
Pdh Tj = +2°C	7.70 kW
COP Tj = +2°C	5.70
Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	5.93
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.97
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	5.31
Pdh Tj = TOL	7.60 kW
COP Tj = TOL	5.31
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C

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Poff	0 W
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.80 kW
Annual energy consumption Q _{he}	4184 kWh

Model: TERRA 8 HPLA , average climate

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-4

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

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	6.91 kW
El input	1.55 kW	2.35 kW
COP	4.84	2.94
Indoor water flow rate	1.28 m ³ /h	1.28 m ³ /h

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	52 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	205 %	139 %
Prated	8.00 kW	7.00 kW
SCOP	5.32	3.67
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.00 kW
COP Tj = -7°C	4.90	3.07
Pdh Tj = +2°C	7.60 kW	7.20 kW
COP Tj = +2°C	5.25	3.61
Pdh Tj = +7°C	7.60 kW	7.30 kW
COP Tj = +7°C	5.60	4.02
Pdh Tj = 12°C	7.70 kW	7.40 kW
COP Tj = 12°C	5.99	4.52
Pdh Tj = Tbiv	7.50 kW	6.90 kW

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COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL	7.50 kW	6.90 kW
COP Tj = TOL	4.84	2.94
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	0 W
PTO	54 W	54 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	2912 kWh	3891 kWh

Warmer Climate

Colder Climate