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Summary of	TERRA 11 HPLA	Reg. No.	011-1W0418		
Certificate Holder					
Name	Ochsner Wärmepumpen GmbH	Ochsner Wärmepumpen GmbH			
Address	Krackowizerstraße 4	Krackowizerstraße 4 Zip 4020			
City	Linz	Country	Austria		
Certification Body	DIN CERTCO Gesellschaft für Kor	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Name of testing laboratory	VDE Prüf- und Zertifizierungsinst	VDE Prüf- und Zertifizierungsinstitut			
Subtype title	TERRA 11 HPLA	TERRA 11 HPLA			
Heat Pump Type	Brine/Water				
Refrigerant	R410a				
Mass Of Refrigerant	2.03 kg				
Certification Date	30.09.2020	30.09.2020			
Testing basis	HP KEYMARK certification scheme rules rev. 7				



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Model: TERRA 11 HPLA

General Data	
Power supply	3x400V 50Hz

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	10.31 kW	9.28 kW
El input	2.05 kW	3.18 kW
СОР	5.02	2.91
Indoor water flow rate	2.60 m³/h	2.20 m³/h

Average Climate



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	216 %	137 %
Prated	10.00 kW	9.00 kW
SCOP	5.61	3.63
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.20 kW
COP Tj = -7°C	2.97	2.97
Pdh Tj = +2°C	9.60 kW	9.60 kW
COP Tj = +2°C	3.56	3.56
Pdh Tj = +7°C	9.90 kW	9.90 kW
COP Tj = +7°C	4.03	4.03
Pdh Tj = 12°C	10.10 kW	10.10 kW
COP Tj = 12°C	4.60	4.60
Pdh Tj = Tbiv	10.30 kW	9.10 kW

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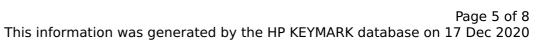
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COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL	9.10 kW	9.10 kW
COP Tj = TOL	2.83	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	84 W	84 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3799 kWh	5167 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825





	Low temperature	Medium temperature
η_{s}	215 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.59	3.60
Tbiv	2 °C	2 °C
TOL	0 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	10.30 kW	9.10 kW
COP Tj = +2°C	5.03	2.83
Pdh Tj = +7°C	10.40 kW	9.50 kW
COP Tj = +7°C	5.43	3.28
Pdh Tj = 12°C	10.60 kW	10.00 kW
COP Tj = 12°C	6.10	4.21
Pdh Tj = Tbiv	10.30 kW	9.10 kW
COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL	10.30 kW	91.00 kW
COP Tj = TOL	5.03	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C





	,	
Poff	0 W	0 W
РТО	84 W	84 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
		1

2466 kWh

3367 kWh

Colder Climate

Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	224 %	224 %
Prated	13.00 kW	13.00 kW
SCOP	5.81	5.80
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C





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Pdh Tj = -7°C	10.50 kW	10.50 kW		
COP Tj = -7°C	5.75	5.74		
Pdh Tj = +2°C	10.60 kW	10.60 kW		
COP Tj = +2°C	6.07	6.07		
Pdh Tj = +7°C	10.70 kW	10.70 kW		
$COPTj = +7^{\circ}C$	6.36	6.36		
Pdh Tj = 12°C	10.70 kW	10.70 kW		
COP Tj = 12°C	6.40	6.40		
Pdh Tj = Tbiv	10.50 kW	10.50 kW		
COP Tj = Tbiv	5.60	5.60		
Pdh Tj = TOL	10.50 kW	10.30 kW		
COP Tj = TOL	5.60	5.03		
Rated airflow rate	0 m³/h	0 m³/h		
Cdh	0.90	0.90		
WTOL	65 °C	65 °C		
Poff	0 W	0 W		
РТО	84 W	84 W		
PSB	9 W	9 W		
PCK	0 W	0 W		
Supplementary Heater: Type of energy input	electricity	electricity		
Supplementary Heater: PSUP	2.55 kW	2.55 kW		
	1	1		



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Annual energy consumption Qhe	5457 kWh	5457 kWh