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Summary of	TERRA 14 HPLB	Reg. No.	011-1W0421
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 14 HPLB		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.25 kg		
Certification Date	30.09.2020		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

Model: TERRA 14 HPLB, average climate

General Data	
Power supply	1x230V 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	13.01 kW	11.80 kW
El input	2.74 kW	3.94 kW
COP	4.75	2.94
Indoor water flow rate	3.10 m³/h	3.10 m³/h

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	199 %	138 %
Prated	13.00 kW	12.00 kW
SCOP	5.17	3.64
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.00 kW	11.70 kW
COP Tj = -7°C	4.80	3.07
Pdh Tj = +2°C	13.20 kW	12.20 kW
COP Tj = +2°C	5.11	3.58
Pdh Tj = +7°C	13.30 kW	12.50 kW
COP Tj = +7°C	5.41	3.97
Pdh Tj = 12°C	13.50 kW	12.80 kW
COP Tj = 12°C	5.75	4.43
Pdh Tj = Tbiv	13.00 kW	11.60 kW

COP Tj = Tbiv	4.75	2.94
Pdh Tj = TOL	13.00 kW	11.60 kW
COP Tj = TOL	4.75	2.94
Rated airflow rate	0 m³/h	0 m³/h
Cdh	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	5195 kWh	6571 kWh

Warmer Climate

Colder Climate

Model: TERRA 14 HPLB, all climates, low temperature

General Data	
Power supply	1x230V 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
Heat output	13.01 kW
El input	2.74 kW
COP	4.75
Indoor water flow rate	3.10 m³/h

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	199 %
Prated	13.00 kW
SCOP	5.17
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	13.00 kW
COP Tj = -7°C	4.80
Pdh Tj = +2°C	13.20 kW
COP Tj = +2°C	5.11
Pdh Tj = +7°C	13.30 kW
COP Tj = +7°C	5.41
Pdh Tj = 12°C	13.50 kW
COP Tj = 12°C	5.75
Pdh Tj = Tbiv	13.00 kW

COP Tj = Tbiv	4.75
Pdh Tj = TOL	13.00 kW
COP Tj = TOL	4.75
Rated airflow rate	0 m³/h
Cdh	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	5195 kWh

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	13.00 kW
SCOP	3.94
Tbiv	2 °C
TOL	2 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	13.00 kW
COP Tj = +2°C	4.75
Pdh Tj = +7°C	13.20 kW
COP Tj = +7°C	5.04
Pdh Tj = 12°C	13.40 kW
COP Tj = 12°C	5.53
Pdh Tj = Tbiv	13.00 kW
COP Tj = Tbiv	4.75
Pdh Tj = TOL	13.00 kW
COP Tj = TOL	4.75
Rated airflow rate	0 m³/h
Cdh	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	3366 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	204 %
Prated	16.00 kW
SCOP	4.39
Tbiv	-15 °C
TOL	-22 °C

Pdh Tj = -7°C	13.30 kW
COP Tj = -7°C	5.27
Pdh Tj = +2°C	13.40 kW
COP Tj = +2°C	5.50
Pdh Tj = +7°C	13.50 kW
COP Tj = +7°C	5.70
Pdh Tj = 12°C	13.50 kW
COP Tj = 12°C	5.73
Pdh Tj = Tbiv	13.20 kW
COP Tj = Tbiv	5.17
Pdh Tj = TOL	13.20 kW
COP Tj = TOL	5.17
Rated airflow rate	0 m³/h
Cdh	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	3.20 kW

Annual energy consumption Qhe	7530 kWh