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Login

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		
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

Configure model	
Model name	TERRA 8 HPLA, 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	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	7.50 kW
El input	1.55 kW
COP	4.84

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	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

COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
Rated airflow rate	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	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

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 or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.31
Rated airflow rate	0 m^3/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	1.80 kW
Annual energy consumption Qhe	4184 kWh

Average Climate

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 Tj = -7 °C	0.90
Pdh Tj = +2°C	7.60 kW
COP Tj = +2°C	5.25
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	7.60 kW
COP Tj = +7°C	5.60
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.70 kW
COP Tj = 12°C	5.99
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.50 kW
COP Tj = Tbiv	4.84
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84
Rated airflow rate	0 m^3/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: TERRA 8 HPLA , average climate

Configure model	
Model name	TERRA 8 HPLA , average climate
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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

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	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

COP Tj = Tbiv	4.84	2.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	2.94
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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