Subtype TERRA 8 HPLA	
Certificate Holder	Ochsner Wärmepumpen GmbH
Address	Krackowizerstraße 4
ZIP	4020
City	Linz
Country	AT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	TERRA 8 HPLA
Registration number	011-1W0416
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	
Model name	TERRA 8 HPLA, low temperature, all climates
Application	Heating (low temp)
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	06.08.2027

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Brine/Water	

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

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

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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 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	1.80 kW
Annual energy consumption Qhe	4184 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	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

Model TERRA 8 HPLA , average climate	
Model name	TERRA 8 HPLA , average climate
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a
Phase-out Date	06.08.2027

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

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

EN 14511-2 | Heating		
	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 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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 m^3/h	0 m^3/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