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Summary of	TERRA 6 HPLB	Reg. No.	011-1W0415
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 6 HPLB		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.4 kg		
Certification Date	30.09.2020		
Testing basis	HP KEYMARK certification scheme rules rev. 7		

## Model: TERRA 6 HPLB, AVERAGE CLIMATE

Configure model	
Model name	TERRA 6 HPLB, AVERAGE CLIMATE
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.89 kW	5.26 kW
El input	1.23 kW	1.80 kW
COP	4.80	2.92

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

### Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	201 %	137 %
Prated	6.00 kW	5.00 kW
SCOP	5.22	3.63
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.30 kW
COP Tj = -7°C	4.84	3.05
Cdh Tj = -7 °C		
Pdh Tj = +2°C	6.00 kW	5.50 kW
COP Tj = +2°C	5.16	3.58
Cdh Tj = +2 °C		
Pdh Tj = +7°C	6.00 kW	5.70 kW
COP Tj = +7°C	5.48	3.98
Cdh Tj = +7 °C		
Pdh Tj = 12°C	6.10 kW	5.80 kW

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COP Tj = 12°C	5.84	4.45
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	5.90 kW	5.30 kW
COP Tj = Tbiv	4.78	2.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.78	2.92
WTOL	60 °C	60 °C
Poff	0 W	0 W
PTO	55 W	55 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	2326 kWh	2990 kWh

# Model: TERRA 6 HPLB, low temperature, all climates

Configure model	
Model name	TERRA 6 HPLB, 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	1x230V 50Hz

## Heating

EN 14511-2	
	Low temperature
Heat output	5.89 kW
El input	1.23 kW
COP	4.80

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

## Average Climate

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<b>EN 14825</b>	
	<b>Low temperature</b>
$\eta_s$	201 %
Prated	6.00 kW
SCOP	5.22
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	5.90 kW
COP Tj = -7°C	4.84
Cdh Tj = -7 °C	
Pdh Tj = +2°C	6.00 kW
COP Tj = +2°C	5.16
Cdh Tj = +2 °C	
Pdh Tj = +7°C	6.00 kW
COP Tj = +7°C	5.48
Cdh Tj = +7 °C	
Pdh Tj = 12°C	6.10 kW
COP Tj = 12°C	5.84
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	5.90 kW
COP Tj = Tbiv	4.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW

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COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	4.78
WTOL	60 °C
Poff	0 W
PTO	55 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption $Q_{he}$	2326 kWh

<b>EN 12102-1</b>	
	<b>Low temperature</b>
Sound power level indoor	46 dB(A)

## Warmer Climate

<b>EN 14825</b>	
	<b>Low temperature</b>
$\eta_s$	199 %
Prated	6.00 kW
SCOP	4.90
Tbiv	2 °C

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TOL	2 °C
Pdh Tj = +2°C	5.90 kW
COP Tj = +2°C	4.78
Cdh Tj = +2 °C	
Pdh Tj = +7°C	5.90 kW
COP Tj = +7°C	5.09
Cdh Tj = +7 °C	
Pdh Tj = 12°C	6.00 kW
COP Tj = 12°C	5.60
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	5.90 kW
COP Tj = Tbiv	4.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.78
WTOL	60 °C
Poff	0 W
PTO	55 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW



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Annual energy consumption Q <sub>he</sub>	1517 kWh
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<b>EN 12102-1</b>	
	<b>Low temperature</b>
Sound power level indoor	46 dB(A)

## Colder Climate

<b>EN 14825</b>	
	<b>Low temperature</b>
$\eta_s$	207 %
Prated	7.00 kW
SCOP	5.11
T <sub>biv</sub>	-15 °C
TOL	-22 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	6.00 kW
COP T <sub>j</sub> = -7°C	5.33
C <sub>dh</sub> T <sub>j</sub> = -7 °C	
P <sub>dh</sub> T <sub>j</sub> = +2°C	6.00 kW
COP T <sub>j</sub> = +2°C	5.58
C <sub>dh</sub> T <sub>j</sub> = +2 °C	
P <sub>dh</sub> T <sub>j</sub> = +7°C	6.10 kW

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COP Tj = +7°C	5.79
Cdh Tj = +7 °C	
Pdh Tj = 12°C	6.10 kW
COP Tj = 12°C	5.52
Cdh Tj = +12 °C	
Pdh Tj = Tbiv	6.00 kW
COP Tj = Tbiv	5.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.22
WTOL	60 °C
Poff	0 W
PTO	55 W
PSB	10 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.44 kW
Annual energy consumption Qhe	3362 kWh

<b>EN 12102-1</b>	
	<b>Low temperature</b>
Sound power level indoor	46 dB(A)