

Subtype: OCHSNER SWK

Summary of	OCHSNER SWK	Reg. No.	012-C700000	
Certificate Holder	·	'		
Name	OCHSNER Energie Technik (GmbH		
Address	Krackowizerstraße 4	Zip	4020	
City	Linz	Country	Austria	
Certification Body	RISE CERT	RISE CERT		
Subtype title	OCHSNER SWK			
Heat Pump Type	Brine/Water and Water/Water			
Refrigerant	R410A			
Mass of Refrigerant	0.95 kg			
Certification Date	11.12.2019			
Testing basis	EN14511:2018;EN14825:2016;EN12102:2017			



Model: OCHSNER SWK007P8d

Configure model		
Model name	OCHSNER SWK007P8d	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Brine/Water Heat Pump

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
El input	0.96 kW	1.74 kW
СОР	4.65	2.90

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	32 dB(A)	32 dB(A)

EN 14825				
Low temperature Medium temperat				
η_{s}	214 %	150 %		
Prated	7.11 kW	6.39 kW		
SCOP	5.56	3.96		
Tbiv	-10 °C	-10 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	6.29 kW	5.65 kW		
COP Tj = -7°C	4.85	3.09		
Cdh Tj = -7 °C	0.99	0.99		
Pdh Tj = +2°C	3.83 kW	3.44 kW		
COP Tj = +2°C	5.70	4.03		
Cdh Tj = +2 °C	0.98	0.99		
Pdh Tj = +7°C	2.46 kW	2.21 kW		
COP Tj = +7°C	6.15	4.55		
Cdh Tj = +7 °C	0.96	0.97		
Pdh Tj = 12°C	2.16 kW	2.07 kW		





Pdh Tj = Tbiv COP Tj = Tbiv 4.43 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.11 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.43	4.54 0.97 6.39 kW 2.81
Pdh Tj = Tbiv	6.39 kW
COP Tj = Tbiv 4.43 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.11 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.43	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.11 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.43	2.81
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.43	
	6.39 kW
WTOL 65 °C	2.81
	65 °C
Poff 12 W	10 W
PTO 15 W	13 W
PSB 15 W	13 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 2597 kWh	

Colder Climate

EN 14825		
Low temperature	Medium temperature	
223 %	157 %	
7.11 kW	6.39 kW	
5.77	4.12	
	Low temperature 223 % 7.11 kW	





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Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.30 kW	3.87 kW
$COPTj = -7^{\circ}C$	5.67	3.84
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = $+2$ °C	2.62 kW	2.35 kW
COP Tj = +2°C	6.21	4.51
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = $+7^{\circ}$ C	2.17 kW	2.07 kW
$COPTj = +7^{\circ}C$	6.09	4.65
Cdh Tj = $+7$ °C	0.96	0.97
Pdh Tj = 12°C	2.15 kW	2.09 kW
COP Tj = 12°C	5.84	4.54
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	7.11 kW	6.39 kW
COP Tj = Tbiv	4.43	2.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.11 kW	6.39 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.43	2.81
WTOL	65 °C	65 °C
Poff	12 W	10 W
РТО	15 W	13 W





PSB	15 W	13 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3008 kWh	3802 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.80	5.21
COP Tj = -15°C (if TOL $<$ -20°C)	5.05	3.33
Cdh Tj = -15 °C	0.99	0.99

Water/Water Heat Pump

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
El input	1.58 kW	2.35 kW
СОР	5.96	3.63

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	32 dB(A)	32 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	305 %	211 %
Prated	9.43 kW	8.51 kW
SCOP	7.82	5.47
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.34 kW	7.53 kW
COP Tj = -7°C	6.48	4.03
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.08 kW	4.58 kW
COP Tj = +2°C	7.93	5.47
Cdh Tj = +2 °C	0.99	1.00
Pdh Tj = +7°C	3.26 kW	2.95 kW
COP Tj = +7°C	8.76	6.55
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	2.91 kW	2.78 kW





		'
COP Tj = 12°C	8.65	6.84
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	9.43 kW	8.51 kW
COP Tj = Tbiv	5.96	3.63
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.43 kW	8.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.96	3.63
WTOL	65 °C	65 °C
Poff	8 W	8 W
РТО	4 W	4 W
PSB	4 W	4 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2463 kWh	3186 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η _s	317 %	219 %
Prated	9.43 kW	8.51 kW
SCOP	8.12	5.68





Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.71 kW	5.15 kW
COP Tj = -7°C	7.77	5.12
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2^{\circ}$ C	3.47 kW	3.14 kW
COP Tj = +2°C	8.76	6.31
Cdh Tj = +2 °C	0.99	0.99
Pdh Tj = +7°C	2.91 kW	2.78 kW
COP Tj = +7°C	8.76	6.85
Cdh Tj = +7 °C	0.99	0.99
Pdh Tj = 12°C	2.89 kW	2.79 kW
COP Tj = 12°C	8.39	7.06
Cdh Tj = +12 °C	0.99	0.99
Pdh Tj = Tbiv	9.43 kW	8.51 kW
COP Tj = Tbiv	5.96	3.63
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.43 kW	8.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.96	3.63
WTOL	65 °C	65 °C
Poff	8 W	8 W
РТО	4 W	4 W



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This information was generated by the HP KEYMARK database on 27 Apr 2024

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PSB	4 W	4 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2847 kWh	3676 kWh
Pdh Tj = -15°C (if TOL<-20°C)	7.69	6.94
COP Tj = -15°C (if TOL<-20°C)	6.87	4.37
Cdh Tj = -15 °C	1.00	1.00