

Manufacturer: OCHSNER Energie Technik GmbH
Model: SWK007P8d
Brine - to - water heat pump
Low-temperature heat pump:
Equipped with a supplementary heater: Yes
Heat pump combination heater: Yes
Application:
Climate: average

Item	Symbol	Value	Unit
Rated heat output *	Prated	6	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature T_j			
$T_j = -7^\circ\text{C}$	Pdh	5,7	kW
$T_j = +2^\circ\text{C}$	Pdh	3,4	kW
$T_j = +7^\circ\text{C}$	Pdh	2,2	kW
$T_j = +12^\circ\text{C}$	Pdh	2,1	kW
$T_j =$ bivalent temperature	Pdh	6,4	kW
$T_j =$ operation limit	Pdh	6,4	kW
For air-to-water heat pumps: $T_j = -15^\circ\text{C}$ (if TOL < -20°C)	Pdh		kW
Bivalent temperature	T_{biv}	-10	°C
Power input "compressor off"		10	W
Power consumption in modes other than active mode			
Off mode	P_{OFF}	10	W
Thermostat-off mode	P_{TO}	13	W
Standby mode	P_{SB}	13	W
Crankcase heater mode	P_{CK}	0	W
Other items			
Capacity control			
Sound power level, indoors/outdoors	L_{WA}	32	dB
Annual energy consumption	Q_{HE}	3291	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	150	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j			
$T_j = -7^\circ\text{C}$	COPd	3,09	
$T_j = +2^\circ\text{C}$	COPd	4,03	
$T_j = +7^\circ\text{C}$	COPd	4,55	
$T_j = +12^\circ\text{C}$	COPd	4,54	
$T_j =$ bivalent temperature	COPd	2,81	
$T_j =$ operation limit	COPd	2,81	
For air-to-water heat pumps: $T_j = -15^\circ\text{C}$ (if TOL < -20°C)	COPd		
For air-to-water heat pumps: Operation limit temperature	TOL		°C
Heating water operating limit temperature	WTOL	65	°C
Supplementary heater			
Rated heat output *	P_{sup}	0.0	kW
Type of energy input	electricity		
For air-to-water heat pumps: Rated air flow rate, outdoors			
			m³/h
For water-/brine-to-water Heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
		1510	l/h

Contact details: OCHSNER Energietechnik GmbH, Ochsner-Straße 1, A-3350 Haag

* For heat pumps space heaters and heat pump combination heaters, the rated heat output $Prated$ is equal to the design load for heating P_{design} , and the rated heat output of a supplementary heater P_{sup} is equal to the supplementary capacity for heating $sup(T_j)$.