

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

Item	Symbol	Value	Unit
<b>Rated heat output *</b>	<b>Prated</b>	<b>6</b>	<b>kW</b>
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 < $-20^\circ\text{C}$ )	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
<b>Seasonal space heating energy efficiency</b>	$\eta_s$	<b>150</b>	<b>%</b>
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 < $-20^\circ\text{C}$ )	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

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\* 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  $sup(T_j)$ .