Manufacturer: AWE WÄRMEPUMPEN
Model: ELW 9
Air - to-water heat pump
Low-temperature heat pump: yes
Equipped with a supplementary heater: no
Heat pump combination heater: no
Application: medium
Climate: average

Item	Symbol	Value	Unit	
Rated heat output *	Prated	11	kW	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j				
<i>T_j</i> = - 7 °C	Pdh	6,9	kW	
<i>T_j</i> = + 2 ℃	Pdh	10,8	kW	
<i>T_j</i> = + 7 °C	Pdh	12,9	kW	
<i>T_j</i> = + 12 °C	Pdh	15,5	kW	
T_j = bivalent temperature	Pdh	8,8	kW	
T_j = operation limit	Pdh	6,2	kW	
For air-to-water heat pumps: $T_j = -15 ^{\circ}\text{C}$ (if $TOL < -20 ^{\circ}\text{C}$)	Pdh	5,2	kW	
Bivalent temperature	T _{biv}	-5	°C	
Power input "compressor off"		0	W	
Power consumption in modes other than active mode				
Off mode	P _{OFF}	0	W	
Thermostat-off mode	P _{TO}	0	W	
Standby mode	P _{SB}	0	W	
Crankcase heater mode	P _{CK}	0	W	
Other items				
Capacity control	fixed			
Sound power level, indoors/outdoors	L _{WA}	40 34	dB	
Annual energy consumption	Q _{HE}	1413	kWh	

Item	Symbol	Value	Unit		
Seasonal space heating energy efficiency	η _S	634	%		
	d coefficient of performance or primary energy ratio for d at indoor temperature 20 °C and outdoor temperature				
<i>T_j</i> = - 7 °C	COPd	2,56			
<i>T_j</i> = + 2 ℃	COPd	26,13			
<i>T_j</i> = + 7 °C	COPd	33,41			
<i>T_j</i> = + 12 ℃	COPd	30,77			
T_j = bivalent temperature	COPd	20,83			
T_j = operation limit	COPd	2,25			
For air-to-water heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	COPd	1,79			
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C		
Heating water operating limit temperature	WTOL	55	°C		
Supplementary heater					
Rated heat output *	P _{sup}	4,67	kW		
Type of energy input	electricity				
For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	m ³ /h		
For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-		l/h		

Contact details: AWE WÄRMEPUMPEN,

^{*} For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.