Manufacturer: AWE WÄRMEPUMPEN
Model: ELW 30
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

ltem	Symbol	Value	Unit	
Rated heat output *	Prated	31	kW	
Declared capacity for heating for part load at indoor temperature 20 $^{\circ}$ C and outdoor temperature T_{j}				
<i>T_j</i> = - 7 °C	Pdh	23,3	kW	
<i>T_j</i> = + 2 °C	Pdh	28,6	kW	
<i>T_j</i> = + 7 °C	Pdh	32,5	kW	
<i>T_j</i> = + 12 °C	Pdh	36,5	kW	
T_j = bivalent temperature	Pdh	24,8	kW	
T_j = operation limit	Pdh	21,1	kW	
For air-to-water heat pumps: $T_j = -15 \text{ °C}$ (if $TOL < -20 \text{ °C}$)	Pdh	17,7	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}	22518	kWh	

ltem	Symbol	Value	Unit
Seasonal space heating energy efficiency	ης	110	%
Declared coefficient of perform part load at indoor temperature T_i			
T _j = - 7 °C	COPd	2,58	
<i>T_j</i> = + 2 °C	COPd	2,85	
<i>T_j</i> = + 7 °C	COPd	2,90	
<i>T_j</i> = + 12 ℃	COPd	2,94	
T_j = bivalent temperature	COPd	2,83	
T_j = operation limit	COPd	2,26	
For air-to-water heat pumps: <i>T_j</i> = - 15 °C (if <i>TOL</i> < - 20 °C)	COPd	1,80	
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}	9,62	kW
Type of energy input	electricity		
For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	m³/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)*.