Manufacturer:	AWE WÄRMEPUMPEN
Model:	ELW 10
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 *	P_{rated}	10	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 °C	Pdh	7,5	kW
T_j = + 2 °C	Pdh	10,1	kW
T_j = + 7 °C	Pdh	12,0	kW
T_j = + 12 °C	Pdh	14,2	kW
T_j = bivalent temperature	Pdh	8,1	kW
T_j = operation limit	Pdh	6,7	kW
For air-to-water heat pumps: T_j = - 15 °C (if TOL < - 20 °C)	Pdh	5,3	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}	5	W
Standby mode	P_{SB}	20	W
Crankcase heater mode	P_{CK}	0	W
Other items			
Capacity control		fixed	
Sound power level, indoors/outdoors	L_{WA}	40 / 31	dB
Annual energy consumption	Q_{HE}	7276	kWh

Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_S	110	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
T_j = - 7 °C	COPd	2,04	
T_j = + 2 °C	COPd	2,82	
T_j = + 7 °C	COPd	3,36	
T_j = + 12 °C	COPd	3,98	
T_j = bivalent temperature	COPd	2,25	
T_j = operation limit	COPd	1,78	
For air-to-water heat pumps: T_j = - 15 °C (if TOL < - 20 °C)	COPd	1,35	
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}	3,31	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)*.

The calculation tool was made by Bundesverband Wärmepumpe BWP e.V.