Manufacturer:	AWE WÄRMEPUMPEN
Model: ELW 62	
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	Item	Symbol	Value	Unit
Rated heat output *	P_{rated}	73	kW	**Seasonal space heating energy efficiency**	η_S	581	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j				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	Pdh	46,3	kW	T_j = - 7 °C	COPd	2,66	
T_j = + 2 °C	Pdh	71,4	kW	T_j = + 2 °C	COPd	22,91	
T_j = + 7 °C	Pdh	85,6	kW	T_j = + 7 °C	COPd	27,67	
T_j = + 12 °C	Pdh	102,9	kW	T_j = + 12 °C	COPd	32,78	
T_j = bivalent temperature	Pdh	58,9	kW	T_j = bivalent temperature	COPd	17,07	
T_j = operation limit	Pdh	41,9	kW	T_j = operation limit	COPd	2,34	
For air-to-water heat pumps: T_j = - 15 °C (if *TOL* < - 20 °C)	Pdh	34,9	kW	For air-to-water heat pumps: T_j = - 15 °C (if *TOL* < - 20 °C)	COPd	1,88	
Bivalent temperature	T_{biv}	-5	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Power input "compressor off"		0	W	Heating water operating limit temperature	WTOL	55	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P_{OFF}	0	W	Rated heat output *	P_{sup}	31,06	kW
Thermostat-off mode	P_{TO}	0	W	Type of energy input		electricity	
Standby mode	P_{SB}	0	W				
Crankcase heater mode	P_{CK}	0	W				
Other items							
Capacity control		fixed		For air-to-water heat pumps: Rated air flow rate, outdoors	-	6500	m³/h
Sound power level, indoors/outdoors	L_{WA}	40 / 34	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-		l/h
Annual energy consumption	Q_{HE}	10318	kWh				

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.