nufacturer: AWE WÄRMEPUMPEN
del: ELW 13
- to-water heat pump
r-temperature heat pump: yes
ipped with a supplementary heater: no
t pump combination heater: no
lication: medium
nate: average

Symbol	Value	Unit			
Prated	12	kW			
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j					
Pdh	9,4	kW			
Pdh	12,2	kW			
Pdh	14,6	kW			
Pdh	17,0	kW			
Pdh	10,0	kW			
Pdh	8,4	kW			
Pdh	6,8	kW			
T _{biv}	-5	°C			
	0	W			
Power consumption in modes other than active mode					
P _{OFF}	0	W			
P _{TO}	5	W			
P _{SB}	20	W			
P _{CK}	0	W			
•					
fixed					
L _{WA}	40	dB			
Q _{HE}	9080	kWh			
	Prated Prated	Prated12or part load at indoor temperature T_j Pdh9,4Pdh12,2Pdh14,6Pdh17,0Pdh10,0Pdh8,4Pdh6,8 T_{biv} -5other than active mode P_{OFF} 0 P_{TO} 5 P_{SB} 20 P_{CK} 0			

ltem	Symbol	Value	Unit
Seasonal space heating energy efficiency	ης	110	%
Declared coefficient of perform part load at indoor temperature $T_{\dot{l}}$			
T _j = - 7 °C	COPd	2,06	
<i>T_j</i> = + 2 °C	COPd	2,81	
<i>T_j</i> = + 7 °C	COPd	3,31	
<i>T_j</i> = + 12 ℃	COPd	3,83	
T_j = bivalent temperature	COPd	2,28	
T_j = operation limit	COPd	1,77	
For air-to-water heat pumps: <i>T_j</i> = - 15 °C (if <i>TOL</i> < - 20 °C)	COPd	1,33	
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}	4,00	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)*.