

Model

Air-to-water heat pump:	<i>no</i>
Water-to-water heat pump:	<i>yes</i>
Brine-to-water heat pump:	<i>no</i>
Low-temperature heat pump: (water temperature 35 °C)	<i>yes</i>
Equipped with a supplementary heater:	<i>no</i>
Heat pump combination heater:	<i>no</i>

Parameters shall be declared for average climate condition.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat pump	P _{nominale}	54,6	kW	Seasonal space heating energy efficiency	η _s	159	%
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	P _{dh}	48,3	kW	T _j = -7°C	COP _d	5,1	
T _j = +2°C	P _{dh}	48,3	kW	T _j = +2°C	COP _d	5,1	
T _j = +7°C	P _{dh}	48,3	kW	T _j = +7°C	COP _d	5,1	
T _j = +12°C	P _{dh}	48,3	kW	T _j = +12°C	COP _d	5,1	
T _j = bivalent temperature	P _{dh}	48,3	kW	T _j = bivalent temperature	COP _d	5,1	
T _j = operation limit temperature	P _{dh}	48,2	kW	T _j = operation limit temperature	COP _d	5	
For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	P _{dh}	-	kW	For air-to-water heat pumps: T _j = -15°C (if TOL < -20°C)	COP _d	-	
Bivalent temperature	T _{biv}	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	P _{cych}	-	kW	Cycling interval efficiency	COP _{cyc}	-	
Degradation co-efficient	C _{dh}	0,9	-	Heating water operating limit temperature	WTOL	40	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{off}	0,05	kW	Rated heat output	P _{sup}	-	kW
Thermostat-off mode	P _{To}	0,397	kW	Type of energy input	-		
Standby mode	P _{SB}	0,06	kW				
Crankcase heater mode	P _{CK}	0,04	kW				
Other items							
Capacity control	fixed			For air-to-water heat pumps: Rated air flow rate, outdoors	-	-	m³/h
Sound power level, Indoors/outdoors	L _{WA}	59	dB(A)	For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m³/h
Annual energy consumption	Q _{HE}	18278	kWh				
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