

Model(s): EGSAH10DA9W			
Air-to-water heat pump: No			
Water-to-water heat pump: Yes			
Brine-to-water heat pump: Yes			
Low-temperature heat pump: No			
Equipped with a supplementary heater: Yes			
Heat pump combination heater: No			
Parameters shall be declared for medium-temperature application, except for low-temperature heat pumps. For low-temperature heat pumps, parameters shall be declared for low-temperature application.			
Parameters shall be declared for average, colder and warmer climate conditions.			
Item	Symbol	Value	Unit
Rated heat output ⁽³⁾	<i>P_{rated}</i>	8.5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7$ °C	<i>P_{dH}</i>	7.5	kW
$T_j = +2$ °C	<i>P_{dH}</i>	4.7	kW
$T_j = +7$ °C	<i>P_{dH}</i>	3.0	kW
$T_j = +12$ °C	<i>P_{dH}</i>	1.4	kW
T_j = bivalent temperature	<i>P_{dH}</i>	8.5	kW
T_j = operation limit temperature	<i>P_{dH}</i>	8.5	kW
For air-to-air heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	<i>P_{dH}</i>		kW
Bivalent temperature	<i>T_{biv}</i>	-10	°C
Cycling interval capacity for heating	<i>P_{cyCh}</i>		kW
Degradation co-efficient ⁽⁴⁾	<i>C_{dH}</i>		—
Power consumption in modes other than active mode			
Off mode	<i>P_{OFF}</i>	0.015	kW
Thermostat-off mode	<i>P_{TO}</i>	0.024	kW
Standby mode	<i>P_{SB}</i>	0.015	kW
Crankcase heater mode	<i>P_{CK}</i>	0.000	kW
Other items			
Capacity control			
Sound power level, indoor/outdoor	<i>L_{WA}</i>	41.0 /	dB
Annual energy consumption	<i>Q_{HE}</i>		kWh or GJ
For heat pump combination heater:			
Declared load profile	L		
Daily electricity consumption	<i>Q_{elec}</i>	4.140	kWh
Annual electricity consumption	<i>AEC</i>	877	kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	152	%
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	<i>COP_d</i> or <i>PER_d</i>	3.15	– or %
$T_j = +2$ °C	<i>COP_d</i> or <i>PER_d</i>	4.09	– or %
$T_j = +7$ °C	<i>COP_d</i> or <i>PER_d</i>	4.54	– or %
$T_j = +12$ °C	<i>COP_d</i> or <i>PER_d</i>	4.59	– or %
T_j = bivalent temperature	<i>COP_d</i> or <i>PER_d</i>	2.85	– or %
T_j = operation limit temperature	<i>COP_d</i> or <i>PER_d</i>	2.85	– or %
For air-to-air heat pumps: $T_j = -15$ °C (if $TOL < -20$ °C)	<i>COP_d</i> or <i>PER_d</i>		– or %
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COP_{cyCh}</i> or <i>PER_{cyCh}</i>		– or %
Heating water operating limit temperature	<i>WTOL</i>		°C
Equipped with a supplementary heater:			
Rated heat output ⁽⁴⁾	<i>P_{sup}</i>		kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors	—		m ³ /h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	1.7	m ³ /h
Water heating energy efficiency	η_{wh}	117	%
Daily fuel consumption	<i>Q_{fuel}</i>	0.000	kWh
Annual fuel consumption	<i>AFC</i>	0	GJ

⁽³⁾) 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)'.
⁽⁴⁾ If 'Cdh' is not determined by measurement then the default degradation coefficient is 'Cdh' = 0,9.