

Model(s): EAVH16S18DA6V7 / EPGA16DAV37			
Air-to-water heat pump: Yes			
Water-to-water heat pump: No			
Brine-to-water heat pump: No			
Low-temperature heat pump: No			
Equipped with a supplementary heater: Yes			
Heat pump combination heater: Yes			
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⁾	Prated	16	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	13.1	kW
Tj = + 2 °C	Pdh	8.7	kW
Tj = + 7 °C	Pdh	5.8	kW
Tj = + 12 °C	Pdh	5.2	kW
Tj = bivalent temperature	Pdh	12.9	kW
Tj = operation limit temperature	Pdh	13.2	kW
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	14.6	kW
Bivalent temperature	Tbiv	-5	°C
Cycling interval capacity for heating	Pcych		kW
Degradation co-efficient ⁽⁴⁾	Cdh		—
Power consumption in modes other than active mode			
Off mode	POFF	0.021	kW
Thermostat-off mode	PTO	0.041	kW
Standby mode	PSB	0.021	kW
Crankcase heater mode	PCK	0.000	kW
Other items			
Capacity control	Variable		
Sound power level, indoor/outdoor	LWA	44.0 / 66.0	dB
Annual energy consumption	QHE	9,706 34.9	kWh or GJ
For heat pump combination heater:			
Declared load profile	L		
Daily electricity consumption	Qelec	4.870	kWh
Annual electricity consumption	AEC	1,029	kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs	133	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	COPd or PERd	2.23 89.2	— or %
Tj = + 2 °C	COPd or PERd	3.26 130.4	— or %
Tj = + 7 °C	COPd or PERd	4.62 184.8	— or %
Tj = + 12 °C	COPd or PERd	6.47 258.8	— or %
Tj = bivalent temperature	COPd or PERd	2.40 96.0	— or %
Tj = operation limit temperature	COPd or PERd	2.05 82.0	— or %
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd or PERd	2.40 96.0	— or %
For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval efficiency	COPcyc or PERcyc		— or %
Heating water operating limit temperature	WTOL	55	°C
Equipped with a supplementary heater:			
Rated heat output ⁽⁴⁾	Psup	6.0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors			
	—	8,100	m³/h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
	—		m³/h

Water heating energy efficiency	ηwh	104	%
Daily fuel consumption	Qtuel		kWh
Annual fuel consumption	AFC		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.