

Model(s): ETVH16S23EA6V7 / EPRA16DAV37			
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 <sup>(3)</sup>	Prated	13	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	11.2	kW
Tj = + 2 °C	Pdh	6.9	kW
Tj = + 7 °C	Pdh	6.9	kW
Tj = + 12 °C	Pdh	6.2	kW
Tj = bivalent temperature	Pdh	12.2	kW
Tj = operation limit temperature	Pdh	12.2	kW
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh	10.7	kW
Bivalent temperature	Tbiv	-10	°C
Cycling interval capacity for heating	Pcych		kW
Degradation co-efficient <sup>(4)</sup>	Cdh		—
Power consumption in modes other than active mode			
Off mode	P <sub>OFF</sub>	0.021	kW
Thermostat-off mode	P <sub>TO</sub>	0.041	kW
Standby mode	P <sub>SB</sub>	0.021	kW
Crankcase heater mode	P <sub>CK</sub>	0.000	kW
Other items			
Capacity control	Variable		
Sound power level, indoor/outdoor	L <sub>WA</sub>	44.0 / 54.0	dB
Annual energy consumption	Q <sub>HE</sub>	7,211 26	kWh or GJ
For heat pump combination heater:			
Declared load profile	XL		
Daily electricity consumption	Q <sub>elec</sub>	7.320	kWh
Annual electricity consumption	AEC	1,547	kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η <sub>s</sub>	140	%
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	2.47 98.8	— or %
Tj = + 2 °C	COPd or PERd	3.56 142.4	— or %
Tj = + 7 °C	COPd or PERd	4.44 177.6	— or %
Tj = + 12 °C	COPd or PERd	5.72 228.8	— or %
Tj = bivalent temperature	COPd or PERd	2.19 87.6	— or %
Tj = operation limit temperature	COPd or PERd	2.19 87.6	— or %
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd or PERd	2.62 104.8	— 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 <sup>(4)</sup>	P <sub>sup</sub>	6.0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors	—	3,918	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	η <sub>wh</sub>	108	%
Daily fuel consumption	Q <sub>fuel</sub>		kWh
Annual fuel consumption	AFC		GJ

<sup>(3)</sup> ) 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)'.

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