

Model(s): ETVX12S23EA6V / EPRA12EAV3			
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⁾	<i>Prated</i>	8.5	kW
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>Pdh</i>	7.6	kW
$T_j = +2\text{ °C}$	<i>Pdh</i>	4.6	kW
$T_j = +7\text{ °C}$	<i>Pdh</i>	3.0	kW
$T_j = +12\text{ °C}$	<i>Pdh</i>	3.7	kW
T_j = bivalent temperature	<i>Pdh</i>	8.3	kW
T_j = operation limit temperature	<i>Pdh</i>	8.3	kW
For air-to-air heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>Pdh</i>	7.0	kW
Bivalent temperature	T_{biv}	-10	°C
Cycling interval capacity for heating	<i>Pcych</i>		kW
Degradation co-efficient ⁽⁴⁾	<i>Cdh</i>		—
Power consumption in modes other than active mode			
Off mode	P_{OFF}	0.021	kW
Thermostat-off mode	P_{TO}	0.024	kW
Standby mode	P_{SB}	0.021	kW
Crankcase heater mode	P_{CK}	0.000	kW
Other items			
Capacity control			
Sound power level, indoor/outdoor	L_{WA}	44.0 / 53.0	dB
Annual energy consumption	Q_{HE}	5,043 18	kWh or GJ
For heat pump combination heater:			
Declared load profile	L		
Daily electricity consumption	Q_{elec}	3.940	kWh
Annual electricity consumption	<i>AEC</i>	810	kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	136	%
Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j			
$T_j = -7\text{ °C}$	<i>COPd or PERd</i>	2.21 88.5	— or %
$T_j = +2\text{ °C}$	<i>COPd or PERd</i>	3.37 134.8	— or %
$T_j = +7\text{ °C}$	<i>COPd or PERd</i>	4.48 179.2	— or %
$T_j = +12\text{ °C}$	<i>COPd or PERd</i>	5.98 239.4	— or %
T_j = bivalent temperature	<i>COPd or PERd</i>	1.97 78.7	— or %
T_j = operation limit temperature	<i>COPd or PERd</i>	1.97 78.7	— or %
For air-to-air heat pumps: $T_j = -15\text{ °C}$ (if $TOL < -20\text{ °C}$)	<i>COPd or PERd</i>	2.56 102.6	— or %
For air-to-water heat pumps: Operation limit temperature	<i>TOL</i>	-10	°C
Cycling interval efficiency	<i>COPcyc or PERcyc</i>		— or %
Heating water operating limit temperature	<i>WTOL</i>	55	°C
Equipped with a supplementary heater:			
Rated heat output ⁽⁴⁾	<i>Psup</i>	6.0	kW
Type of energy input			
For air-to-water heat pumps: Rated air flow rate, outdoors	—		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_{wh}	126	%
Daily fuel consumption	Q_{fuel}		kWh
Annual fuel consumption	<i>AFC</i>		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.