

Model(s): = EWHT100Q-XR1			
Air-to-water heat pump: No			
Water-to-water heat pump: Yes			
Water-to-water heat pump: Yes			
Low-temperature heat pump: No			
Equipped with a supplementary 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)	Prated	128.72	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	103.11	kW
Tj = + 2 °C	Pdh	69.51	kW
Tj = + 7 °C	Pdh	45.05	kW
Tj = + 12 °C	Pdh	19.31	kW
Tj = bivalent temperature	Pdh	101.66	kW
Tj = operation limit temperature	Pdh	103.97	kW
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh		kW
Bivalent temperature	Tbiv	-5	°C
Cycling interval capacity for heating	Peych		kW
Degradation co-efficient (4)	Cde	0.9	—
Power consumption in modes other than active mode			
Off mode	POFF	0	kW
Thermostat-off mode	PTO	0.097	kW
Standby mode	PSB	0.025	kW
Crankcase heater mode	PCK	0.1	kW
Other items			
Capacity control	Step		
Sound power level, outdoor	LWA	75	dB
Annual energy consumption	QHE	58498.84	kWh or GJ
Standard rating conditions used: Low Temp Application			
<b>Declared load profile</b>			
Daily electricity consumption	Qelec		
Annual electricity consumption	AEC		
Contact details			
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	$\eta_{s,h}$	174	%
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	3.49	
Tj = + 2 °C	COPd or PERd	4.72	
Tj = + 7 °C	COPd or PERd	5.43	
Tj = + 12 °C	COPd or PERd	5.15	
Tj = bivalent temperature	COPd or PERd	3.23	
Tj = operation limit temperature	COPd or PERd	3.67	
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	COPd or PERd		
For air-to-water heat pumps: Operation limit temperature	TOL	-10	
Cycling interval efficiency	COPe <sub>yc</sub> or PERe <sub>yc</sub>		
Heating water operating limit temperature	WTOL	60	
Equipped with a supplementary heater:			
Rated heat output (4)	Psup	27.06	kW
Type of energy input			
Electrical			
For air-to-water heat pumps: Rated air flow rate, outdoors			
—			
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger			
—			
15.84 m <sup>3</sup> /h			
<b>Water heating energy efficiency</b>			
Daily fuel consumption	Q <sub>fuel</sub>		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.