

Model(s): = EWYS4504Z.XSB2												
Air-to-water heat pump: Yes												
Water-to-water heat pump: No												
Brine-to-water heat pump: No												
Low-temperature heat pump: Yes												
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		Item		Symbol	Value	Unit	
Rated heat output (3)		Prated		382.01	kW		Seasonal space heating energy efficiency		ηs,h	127	%	
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj							Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature Tj					
Tj = − 7 °C		Pdh		289.27	kW		Tj = − 7 °C		COPd or PERd	2.79		
Tj = + 2 °C		Pdh		224.84	kW		Tj = + 2 °C		COPd or PERd	3.44		
Tj = + 7 °C		Pdh		144.73	kW		Tj = + 7 °C		COPd or PERd	3.5		
Tj = + 12 °C		Pdh		128.46	kW		Tj = + 12 °C		COPd or PERd	3.6		
Tj = bivalent temperature		Pdh		308.55	kW		Tj = bivalent temperature		COPd or PERd	3.0		
Tj = operation limit temperature		Pdh		260.8	kW		Tj = operation limit temperature		COPd or PERd	2.5		
For air-to-air heat pumps: Tj = − 15 °C (if TOL < − 20 °C)		Pdh			kW		For air-to-air heat pumps: Tj = − 15 °C (if TOL < − 20 °C)		COPd or PERd			
Bivalent temperature		Tbiv		-5	°C		For air-to-water heat pumps: Operation limit temperature		TOL	-10		
Cycling interval capacity for heating		Pcyc			kW		Cycling interval efficiency		COPcyc or PERcyc			
Degradation co-efficient (4)		Cdc		0.9	—		Heating water operating limit temperature		WTOL	60		
Power consumption in modes other than active mode							Equipped with a supplementary heater:					
Off mode		POFF		0	kW		Rated heat output (4)		Psup	153.17	kW	
Thermostat-off mode		PTO		0.4	kW							
Standby mode		PSB		0.1	kW		Type of energy input		Electrical			
Crankcase heater mode		PCK		0.25	kW							
Other items												
Capacity control		Step					For air-to-water heat pumps: Rated air flow rate, outdoors		—	203580	m3/h	
Sound power level, outdoor		LWA		98	dB		For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger		—		m3/h	
Annual energy consumption		QHE		263970	kWh or GJ							
Standard rating conditions used: Low Temp Application												
Declared load profile							Water heating energy efficiency		ηwh		%	
Daily electricity consumption		Qelec					Daily fuel consumption		Qfuel		kWh	
Annual electricity consumption		AEC					Annual fuel consumption		AFC		GJ	
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(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.