

Model(s)	EWYE070CZN-A2		
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	NO		
Heat pump combination 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	53,0	kW
<i>Declared capacity for heating for part load at indoor temperature 20°C and outdoor</i>			
T _j = - 7°C	P _{dh}	46,9	kW
T _j = + 2°C	P _{dh}	28,7	kW
T _j = + 7°C	P _{dh}	18,1	kW
T _j = + 12°C	P _{dh}	8,0	kW
T _j = bivalent temperature	P _{dh}	46,9	kW
T _j = operation limit temperature	P _{dh}	44,5	kW
For air-to-air heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	P _{dh}	-	kW
Bivalent temperature	T _{biv}	-7	°C
Cycling interval capacity for heating	P _{cyc}	-	kW
Degradation co-efficient (4)	C _{dh}	0,94	-
Power consumption in modes other than active mode			
Off mode	P _{OFF}	0,000	kW
Thermostat-off mode	P _{TO}	0,289	kW
Standby mode	P _{SB}	0,140	kW
Crankcase heater mode	P _{CK}	0,140	kW
Other items			
Capacity control	Variable		
Sound power level, indoor/outdoor	L _{WA}	78	dB
Annual energy consumption	Q _{HE}	34532,7	kWh
For heat pump combination heater:			
Declared load profile	-		
Daily electricity consumption	Q _{elec}	-	kWh
Annual electricity consumption	AEC	-	kWh
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Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	η_s	117%	%
<i>Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T_j</i>			
T _j = - 7°C	COP _d or PER _d	1,80	%
T _j = + 2°C	COP _d or PER _d	2,68	%
T _j = + 7°C	COP _d or PER _d	4,57	%
T _j = + 12°C	COP _d or PER _d	7,05	%
T _j = bivalent temperature	COP _d or PER _d	1,80	%
T _j = operation limit temperature	COP _d or PER _d	1,65	%
For air-to-air heat pumps: T _j = - 15 °C (if TOL < - 20 °C)	COP _d or PER _d	-	%
For air-to-water heat pumps: Operation limit temperature	COP _d or PER _d	-25	°C
Cycling interval efficiency	COP _{cyc} or PER _{cyc}	-	%
Heating water operating limit temperature	WTOL	70	°C
Equipped with a supplementary heater:			
Rated heat output (4)	P _{sup}	5,8	kW
Type of energy input	Electric		
Other items			
For air-to-water heat pumps: Rated air flow rate, outdoors	-	38448	m ³ /h
For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	-	m ³ /h
For heat pump combination heater:			
Water heating energy efficiency	η _{wh}	-	%
Daily fuel consumption	Q _{fuel}	-	kWh
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.			