

Model(s): = EWYS4504ZXS2			
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
Rated heat output (3)	Prated	413.97	kW
Declared capacity for heating for part load at indoor temperature 20°C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	289.27	kW
Tj = + 2 °C	Pdh	224.84	kW
Tj = + 7 °C	Pdh	144.73	kW
Tj = + 12 °C	Pdh	128.46	kW
Tj = bivalent temperature	Pdh	318.44	kW
Tj = operation limit temperature	Pdh	260.8	kW
For air-to-air heat pumps: Tj = - 15 °C (if TOL < - 20 °C)	Pdh		kW
Bivalent temperature	Tbiv	-4	°C
Cycling interval capacity for heating	Pcyc		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	0.4	kW
Standby mode	PSB	0.1	kW
Crankcase heater mode	PCK	0.25	kW
Other items			
Capacity control	Step		
Sound power level, outdoor	LWA	98	dB
Annual energy consumption	QHE	263970	kWh or GJ
Standard rating conditions used: Low Temp Application			
Declared load profile			
Daily electricity consumption	Qelec		
Annual electricity consumption	AEC		
Contact details	Daikin Applied Europe S.p.A. Via Piani di Santa Maria, 72 00072 Ariccia Roma		
Item	Symbol	Value	Unit
Seasonal space heating energy efficiency	ηs,h	127	%
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	2.79	
Tj = + 2 °C	COPd or PERd	3.44	
Tj = + 7 °C	COPd or PERd	3.5	
Tj = + 12 °C	COPd or PERd	3.6	
Tj = bivalent temperature	COPd or PERd	3.1	
Tj = operation limit temperature	COPd or PERd	2.5	
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	COPcyc or PERcyc		
Heating water operating limit temperature	WTOL	60	
Equipped with a supplementary heater:			
Rated heat output (4)	Psup	153.17	kW
Type of energy input	Electrical		
For air-to-water heat pumps: Rated air flow rate, outdoors	—	203580	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	ηwh		%
Daily fuel consumption	Qfuel		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 'Pdesign', 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.