

Produktdatenblatt (gemäß EU- Verordnung Nr. 813/2013)

Marke	New Energy®
Model	NL-BKDX80-200II R410
Luft-Wasser-Wärmepumpe	Ja
Niedertemperatur-Wärmepumpe	Nein
Mit Zusatzheizgerät	Nein
Kombiheizgerät mit Wärmepumpe	Nein

NULITE NEW ENERGY	
DC Inverter Heat Pump	
Model	NL-BKDX80-300II/R
Rated of waterproof	IPX4
Rated of Elc. leakage protection	I Class
Power supply	380V-3N-Inverter
Expansion tank capacity	5L
Rated input power	6500W
Rated input current	12.8A
Heating capacity	7200W-30000W
Hot water capacity	7000W-29500W
Cooling capacity	7000W-23000W
Heating input power	3200-8300W
Hot water input power	3200-8300W
Cooling input power	3200-8300W
Rated flow rate	4.8m³/h
Max water temperature	60°C
Refrigeration	R410A
Refrigeration weight	3600g
Net weight	170KG
Noise	≤58dB(A)
Max working pressure	4.2MPa
Nulite New Energy (Guangzhou)Co.,Ltd.  	

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Table 1: Information requirements for heat pump space heaters and heat pump combination heaters						P	
(the number of decimals in the box indicates the precision of reporting) Information to identify the model(s) to which the information relates to:							
Air-to-water heat pump: [yes/no]				Yes			
Water-to-water heat pump: [yes/no]				No			
Brine-to-water heat pump: [yes/no]				No			
Low-temperature heat pump: [yes/no]				No			
Equipped with a supplementary heater: [yes/no]				Yes			
Heat pump combination heater: [yes/no]				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 climate conditions.			
Medium-temperature application		Y		Average (mandatory)		Y	
Low-temperature application		Y		Warmer (if designated)		N	
				Colder (if designated)		N	
Item	symbol	value	unit	item	symbol	value	unit
Rated heat output (*)	Prated	6,74	kW	Seasonal space heating energy efficiency	ηs	125	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T j				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20°C and outdoor temperature T j			
T j = – 7 °C	Pdh	17,45	kW	T j = – 7 °C	COPd	2,11	-
T j = + 2 °C	Pdh	12,27	kW	T j = + 2 °C	COPd	3,56	-
T j = + 7 °C	Pdh	10,31	kW	T j = + 7 °C	COPd	4,21	-
T j = + 12 °C	Pdh	10,59	kW	T j = + 12 °C	COPd	4,88	-
T j = bivalent temperature	Pdh	17,45	kW	T j = bivalent temperature	COPd	2,11	-
T j = operation limit temperature	Pdh	16,30	kW	T j = operation limit temperature	COPd	1,70	-
For air-to-water heat pumps: T j = – 15°C (if TOL < – 20°C)	Pdh	N/A	kW	For air-to-water heat pumps: T j = – 15°C (if TOL < – 20°C)	COPd	N/A	-
Bivalent temperature	T biv	-7	°C	For air-to-water heat pumps: Operation limit temperature	TOL	-10	°C
Cycling interval capacity for heating	Pcyc	N/A	kW	Cycling interval efficiency	COPcyc	N/A	kW

Degradation co-efficient (**)	C _{dh}	0,9	—	Heating water operating limit temperature	W _{TOL}	-	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0,005	kW	Rated heat output (*)	P _{sup}	-	kW
Thermostat-off mode	P _{TO}	0,005	kW	Type of energy input	-		
Standby mode	P _{SB}	0,005	kW				
Crankcase heater mode	P _{CK}	0,050	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	—	m ³ /h
Sound power level, indoors/ outdoors	L _{WA}	58	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	N/A	m ³ /h
Emissions of nitrogen oxides	NO _x	N/A	mg/kWh				
Annual energy consumption	Q _{HE}	12471	KWh				
For heat pump combination heater:							
Declared load profile	N/A			Water heating energy efficiency	η _{wh}	N/A	%
Daily electricity consumption	Q _{elec}	N/A	kWh	Daily fuel consumption	Q _{fuel}	N/A	kWh
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(*) 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).							
(**) If Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.							