



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

Marke	New Energy®
Modell	NL-BKDX50-200II R410
Luft-Wasser-Wärmepumpe	Ja
Niedertemperatur-Wärmepumpe	Nein
Mit Zusatzheizgerät	Nein
Kombiheizgerät mit Wärmepumpe	Nein

<b>NULITE NEW ENERGY</b>	
<b>DC INVERTER HEAT PUMP</b>	
Model	NL-BKDX50-200II/R
Rated of waterproof	IPX4
Rated of Eic. leakage protection	I Class
Power supply	380V-3N-Inverter
Max water pump head	8M
Expansion tank capacity	5L
Rated input power	4500W
Rated input current	7.8A
Auxiliary element power	3000W
Auxiliary element current	14A
Heating capacity	4500-20000W
Hot water capacity	4000-19400W
Cooling capacity	4500-14000W
Heating input power	2000-5500W
Hot water input power	2000-5500W
Cooling input power	2000-5500W
Rated flow rate	3.5m <sup>3</sup> /h
Max water temperature	60℃
Refrigerantion	R410A/2800g
Net weight	150KG
Noise	≤52dB(A)
Max working pressure	4.2Mpa
Nulite New Energy (Guangzhou) Co.,Ltd.  	

<b>Table 1:</b>							P
<b>Information requirements for heat pump space heaters and heat pump combination heaters</b>							
(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		N		Warmer (if designated)		N	
				Colder (if designated)		N	
Item	symbol	value	unit	item	symbol	value	unit
Rated heat output (*)	Prated	12,90	kW	Seasonal space heating energy efficiency	$\eta_s$	135	%
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 $T_j$			
$T_j = -7\text{ °C}$	Pdh	11,41	kW	$T_j = -7\text{ °C}$	COPd	2,15	-
$T_j = +2\text{ °C}$	Pdh	7,22	kW	$T_j = +2\text{ °C}$	COPd	3,52	-
$T_j = +7\text{ °C}$	Pdh	7,50	kW	$T_j = +7\text{ °C}$	COPd	4,68	-
$T_j = +12\text{ °C}$	Pdh	9,17	kW	$T_j = +12\text{ °C}$	COPd	6,65	-
$T_j = \text{bivalent temperature}$	Pdh	10,34	kW	$T_j = \text{bivalent temperature}$	COPd	1,94	-
$T_j = \text{operation limit temperature}$	Pdh	11,41	kW	$T_j = \text{operation limit temperature}$	COPd	2,15	-
For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if TOL < $-20\text{ °C}$ )	Pdh	N/A	kW	For air-to-water heat pumps: $T_j = -15\text{ °C}$ (if TOL < $-20\text{ °C}$ )	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 coefficient (**)	C <sub>dh</sub>	0,9	—	Heating water operating limit temperature	W <sub>TOL</sub>	-	°C
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P <sub>OFF</sub>	0,0144	kW	Rated heat output (*)	P <sub>sup</sub>	3	kW
Thermostat-off mode	P <sub>TO</sub>	0,0144	kW	Type of energy input	Electric		
Standby mode	P <sub>SB</sub>	0,0144	kW				
Crankcase heater mode	P <sub>CK</sub>	0,0588	kW				
Other items							
Capacity control	Variable			For air-to-water heat pumps: Rated air flow rate, outdoors	—	7200	m <sup>3</sup> /h
Sound power level, indoors/outdoors	L <sub>WA</sub>	52	dB	For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	—	N/A	m <sup>3</sup> /h
Emissions of nitrogen oxides	NO <sub>x</sub>	N/A	mg/kWh				
Annual energy consumption	Q <sub>HE</sub>	7711	KWh				
For heat pump combination heater:							
Declared load profile	N/A			Water heating energy efficiency	η <sub>wh</sub>	N/A	%
Daily electricity consumption	Q <sub>elec</sub>	N/A	kWh	Daily fuel consumption	Q <sub>fuel</sub>	N/A	kWh
Contact details	NuLite New Energy (Guangzhou) Co., Ltd. 506 No.16 North Red Cotton avenue Xiuquan Street Huadu District Guangzhou City China						
(*) 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 C <sub>dh</sub> is not determined by measurement then the default degradation coefficient is C <sub>dh</sub> = 0,9.							