

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

Marke	New Energy®
Model	NL-BKDX50-200II R32
Luft-Wasser-Wärmepumpe	Ja
Niedertemperatur-Wärmepumpe	Nein
Mit Zusatzheizgerät	Nein
Kombiheizgerät mit Wärmepumpe	Nein

NULITE NEW ENERGY	
DC Inverter Heat Pump	
Model	NL-BKDX50-200II/R32
Rated of waterproof	IPX4
Rated of Ele. leakage protection	I Class
Power supply	380V-3N-Inverter
Max water pump head	8M
Expansion tank capacity	5L
Rated input power	7500W
Rated input current	12.9A
Auxiliary element power	3000W
Auxiliary element current	14A
Heating capacity	5500W-21000W
Hot water capacity	4500W-20000W
Cooling capacity	4800W-14500W
Heating input power	2000-5500W
Hot water input power	2000-5500W
Cooling input power	2000-5500W
Rated flow rate	3.5m³/h
Max water temperature	60°C
Refrigeration	R32/2300g
Net weight	150KG
Noise	≤52dB(A)
Max working pressure	4.2MPa
Nulite New Energy (Guangzhou)Co.,Ltd.  	

Table 1:						P	
Information requirements for heat pump space heaters and heat pump combination heaters							
(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	12,83	kW	Seasonal space heating energy efficiency	ηs	128	%
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	11,35	kW	T j = – 7 °C	COPd	1,86	-
T j = + 2 °C	Pdh	7,03	kW	T j = + 2 °C	COPd	3,52	-
T j = + 7 °C	Pdh	4,70	kW	T j = + 7 °C	COPd	4,15	-
T j = + 12 °C	Pdh	2,69	kW	T j = + 12 °C	COPd	6,10	-
T j = bivalent temperature	Pdh	11,35	kW	T j = bivalent temperature	COPd	1,86	-
T j = operation limit temperature	Pdh	13,07	kW	T j = operation limit temperature	COPd	1,48	-
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-	Cdh	0,9	—	Heating water	W _{TOL}	-	°C

efficient (**)				operating limit temperature			
Power consumption in modes other than active mode				Supplementary heater			
Off mode	P _{OFF}	0,0144	kW	Rated heat output (*)	P _{sup}	3	kW
Thermostat-off mode	P _{TO}	0,0569	kW	Type of energy input	Electric		
Standby mode	P _{SB}	0,0144	kW				
Crankcase heater mode	P _{CK}	0,040	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}	52	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}	8068	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
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 Cdh is not determined by measurement then the default degradation coefficient is Cdh = 0,9.							