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

Marke	New Energy®
Model	NL-BKDX30-95II/R32
Luft-Wasser-Wärmepumpe	Ja
Niedertemperatur-Wärmepumpe	Nein
Mit Zusatzheizgerät	Nein
Kombiheizgerät mit Wärmepumpe	Nein

NULITE NEW ENERGY	
DC Inverter Heat Pump	
Model	NL-BKDX30-95II/R32
Rated of waterproof	IPX4
Rated of Elc. leakage protection	I Class
Power supply	220V~240V-Inverter
Max water pump head	6M
Expansion tank capacity	2L
Rated input power	2500W
Rated input current	11A
Auxilary element power	3000W
Auxilary element current	14A
Heating capacity	2800W-10000W
Hot water capacity	2500W-9500W
Cooling capacity	2500W-7500W
Heating input power	1000-3200W
Hot water input power	1000-3200W
Cooling input power	1000-3200W
Rated flow rate	1.7m³/h
Max water temperature	60°C
Refrigeration	R32/1300g
Net weight	100KG
Noise	≤49dB(A)
Max working pressure	4.2MPa
Nulite New Energy (Guangzhou)Co.,Ltd. CE	

(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	5,97	kW	T j = – 7 °C	COPd	1,84	-
T j = + 2 °C	Pdh	4,97	kW	T j = + 2 °C	COPd	3,73	-
T j = + 7 °C	Pdh	3,89	kW	T j = + 7 °C	COPd	4,38	-
T j = + 12 °C	Pdh	4,29	kW	T j = + 12 °C	COPd	5,71	-
T j = bivalent temperature	Pdh	5,97	kW	T j = bivalent temperature	COPd	1,84	-
T j = operation limit temperature	Pdh	6,27	kW	T j = operation limit temperature	COPd	1,87	-
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	Pcych	N/A	kW	Cycling interval efficiency	COPcyc	N/A	kW

Degradation co-efficient (**)	Cdh	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 (*)	Psup	3	kW
Thermostat-off mode	P_{TO}	0,005	kW	Type of energy input	Electric		
Standby mode	P_{SB}	0,005	kW				
Crankcase heater mode	P_{CK}	0,030	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}	49	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}	4280	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	kW h
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.