

## Multi-stage submersible pumps

-  Clean water  
(Maximum sand content 150 g/m<sup>3</sup>)
-  Domestic use
-  Civil use
-  Agricultural use



### PERFORMANCE RANGE

- Flow rate up to **160 l/min** (7.2 m<sup>3</sup>/h)
- Head up to **95 m**

### APPLICATION LIMITS

- Maximum liquid temperature **+40 °C**
- Maximum sand content **150 g/m<sup>3</sup>**
- **20 m** maximum immersion depth (with a sufficiently long power cable)
- Continuous service **S1**

### CONSTRUCTION AND SAFETY STANDARDS

- **10 m** long power cable

EN 60335-1  
IEC 60335-1  
CEI 61-150

EN 60034-1  
IEC 60034-1  
CEI 2-3



### INSTALLATION AND USE

Suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure tanks, for the irrigation of gardens and orchards and for pressure boosting, and feeding drippers from treatment chambers.

### PATENTS - TRADE MARKS - MODELS

- Patent n. EP14755156.8
- Patent n. EP2313658

### OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency

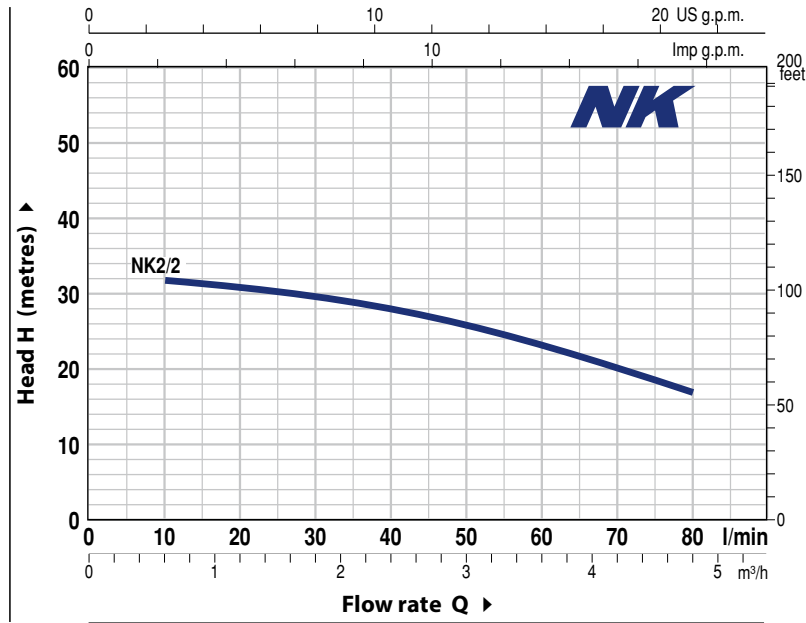
### CERTIFICATIONS

Company with management system certified DNV  
ISO 9001: QUALITY



## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 min-1



Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

MODEL	POWER (P2)		Q	Flow rate												
	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8				
Single-phase			l/min	0	10	20	30	40	50	60	70	80				
NKm 2/2	0.37	0.5	H metres	33	32	31	29.5	28	26	23.5	20.5	17				

## DIMENSIONS AND WEIGHT

MODEL	PORT DN	N. STAGES	DIMENSIONS mm		kg	
			∅	h	1~	3~
NKm 2/2	1 1/4"	2	135	459	13.0	13.0

## ABSORPTION

MODEL	VOLTAGE
Single-phase	240 V
NKm 2/2	3.9 A



## POS. COMPONENT CONSTRUCTION CHARACTERISTICS

1	<b>EXTERNAL SLEEVE</b>	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1
2	<b>SUCTION FILTER</b>	Stainless steel AISI 304 complete with anti-vibration supports
3	<b>MOTOR SLEEVE</b>	Stainless steel AISI 304
4	<b>IMPELLERS AND DIFFUSERS</b>	Noryl FE1520PW
5	<b>DIAPHRAGMS</b>	Stainless steel AISI 304
6	<b>MOTOR SHAFT</b>	Stainless steel AISI 431

### 7 TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER

Seal Model	Shaft Diameter	Position	Materials		
			Stationary ring	Rotational ring	Elastomer
STA-17	Ø 17 mm	Motor side	Ceramic	Graphite	NBR
ST1-16	Ø 16 mm	Pump side	Silicon carbide	Graphite	NBR

### 8 BEARINGS 6303 2RS - C3 / 6203 ZZ - C3E

### 9 CAPACITOR

Pump	Capacitance	
Single-phase	(230 V or 240 V)	(110 V)
NKm 2/2 GE	16 µF - 500 VL	30 µF - 250 VL

### 10 ELECTRIC MOTOR

NKm: single-phase 240 V - 50 Hz with thermal overload protector incorporated into the winding.

- Insulation: class F
- Protection: IP X8

### 11 POWER CABLE

- ⇒ DRINCABLE® type approved for use in drinking water by "WRAS" in compliance with BS 6920, approval n. 7513  
Standard length 10 metres

### 12 AUTOMATIC VENT VALVE

### 13 ANTI-VIBRATION SUPPORTS

