

Помпа потопяема многостъпална за дълбоки водоеми Pedrollo NKm4/3-N



-  Clean water
(Maximum sand content 150 g/m³)
-  Domestic use
-  Civil use
-  Agricultural use

PERFORMANCE RANGE

- Flow rate up to **160 l/min** (7.2 m³/h)
- Head up to **95 m**

APPLICATION LIMITS

- Maximum liquid temperature **+40 °C**
- Maximum sand content **150 g/m³**
- **20 m** maximum immersion depth (with a sufficiently long power cable)
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

- **20 m** long power cable
- Float switch for single-phase versions

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

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



CERTIFICATIONS

Company with management system certified DNV
ISO 9001: QUALITY
ISO 14001: ENVIRONMENT



INSTALLATION AND USE

Because of their high efficiency and reliability they are 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, etc.

PATENTS - TRADE MARKS - MODELS

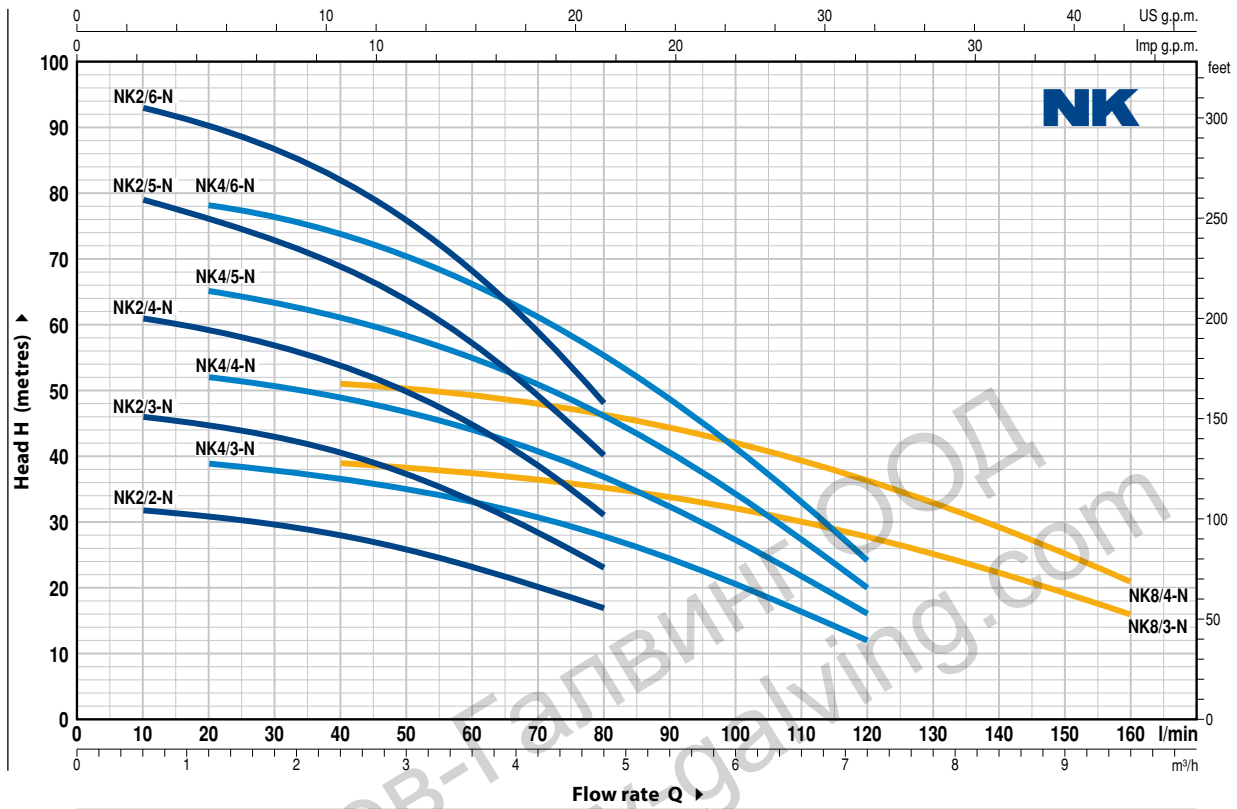
- Patent Pending n. PCT/IB2014/063126

OPTIONS AVAILABLE ON REQUEST

- Pumps without float switch
- Pumps fitted with power cables of other lengths
- Other voltages or 60 Hz frequency

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 min⁻¹



MODEL		POWER (P ₂)		Q	Flow rate (l/min)															
Single-phase	Three-phase	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	6.0	6.6	7.2	8.4	9.6		
NKm 2/2 GE-N	NK 2/2-N	0.37	0.5	H metres	33	32	31	29.5	28	26	23.5	20.5	17							
NKm 2/3 GE-N	NK 2/3-N	0.55	0.75		48	46	44.5	42.8	40.5	37.5	33.5	29	23							
NKm 2/4 GE-N	NK 2/4-N	0.75	1		63	61	59	57	54	50	45	39	31							
NKm 2/5 GE-N	NK 2/5-N	1.1	1.5		81	79	75.5	73	68.5	63.5	57.5	49.5	40							
NKm 2/6 GE-N	NK 2/6-N	1.5	2		95	93	90	87	82	76	68.5	59.5	48							
NKm 4/3 GE-N	NK 4/3-N	0.55	0.75		40	-	39	38	37	35	33	30.5	28	20.5	16.5	12				
NKm 4/4 GE-N	NK 4/4-N	0.75	1		53	-	52	50.5	49	46.5	44	40.5	37	27.5	22	16				
NKm 4/5 GE-N	NK 4/5-N	1.1	1.5		67	-	65	63.5	61.5	58	55	50.5	46.5	34	27.5	20				
NKm 4/6 GE-N	NK 4/6-N	1.5	2		80	-	78	76	74	70	66	61	56	41	33	24				
NKm 8/3 GE-N	NK 8/3-N	1.1	1.5		40	-	-	-	39	38	37.5	36.5	35	32	30	28	22.5	16		
NKm 8/4 GE-N	NK 8/4-N	1.5	2		52	-	-	-	51	50	49	48	46	42	39	36	29	21		

Q = Flow rate H = Total manometric head

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

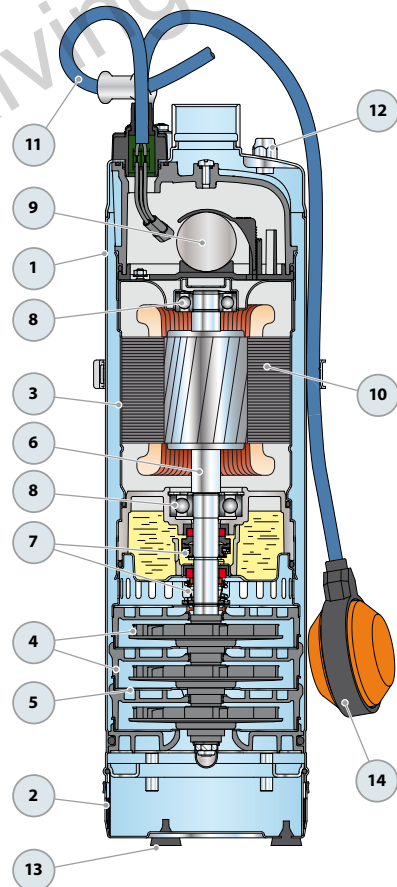
➡ Single-phase pumps without float switch on request

NK

POS. COMPONENT

CONSTRUCTION CHARACTERISTICS

1	EXTERNAL SLEEVE	Stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1				
2	SUCTION FILTER	Stainless steel AISI 304 complete with anti-vibration supports				
3	MOTOR SLEEVE	Stainless steel AISI 304				
4	IMPELLERS AND DIFFUSERS	Noryl FE1520PW				
5	DIAPHRAGMS	Stainless steel AISI 304				
6	MOTOR SHAFT	Stainless steel EN 10088-3 - 1.4104				
7	TWO MECHANICAL SEALS SEPARATED BY AN OIL CHAMBER					
	Seal	Shaft	Position	Materials		
	<i>Model</i>	<i>Diameter</i>		<i>Stationary ring</i>	<i>Rotational ring</i>	<i>Elastomer</i>
	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				
	<i>Single-phase</i>	<i>(220-230 V or 240 V)</i>				
	NKm 2/2 GE-N					
	NKm 2/3 GE-N	16 µF - 500 VL				
	NKm 4/3 GE-N					
	NKm 2/4 GE-N	20 µF - 450 VL				
	NKm 4/4 GE-N					
	NKm 2/5 GE-N	25 µF - 450 VL				
	NKm 4/5 GE-N					
	NKm 8/3 GE-N					
	NKm 2/6 GE-N	35 µF - 450 VL				
	NKm 4/6 GE-N					
	NKm 8/4 GE-N					
10	ELECTRIC MOTOR					
	NKm: single-phase 220-230 V - 50 Hz	with thermal overload protector incorporated into the winding.				
	NK: three-phase 400 V - 50 Hz.					
	- 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 20 metres				
12	AUTOMATIC VENT VALVE					
13	ANTI-VIBRATION SUPPORTS					
14	FLOAT SWITCH	(only for single-phase versions)				



DIMENSIONS AND WEIGHT

MODEL		PORT DN	N. STAGES	DIMENSIONS mm		kg	
Single-phase	Three-phase			Ø	h	1~	3~
NKm 2/2 GE-N	NK 2/2-N	1¼"	2	135	459	14.0	13.8
NKm 2/3 GE-N	NK 2/3-N		3		486	14.5	14.3
NKm 2/4 GE-N	NK 2/4-N		4		543	16.1	15.3
NKm 2/5 GE-N	NK 2/5-N		5		570	17.5	16.7
NKm 2/6 GE-N	NK 2/6-N		6		617	19.8	18.8
NKm 4/3 GE-N	NK 4/3-N		3		486	14.5	14.3
NKm 4/4 GE-N	NK 4/4-N		4		543	16.1	15.3
NKm 4/5 GE-N	NK 4/5-N		5		570	17.5	16.7
NKm 4/6 GE-N	NK 4/6-N		6		617	19.8	18.8
NKm 8/3 GE-N	NK 8/3-N		3		516	18.0	17.2
NKm 8/4 GE-N	NK 8/4-N		4		563	20.2	19.2



ABSORPTION

MODEL	VOLTAGE		MODEL	VOLTAGE			
	230 V	240 V		Three-phase	230 V	400 V	240 V
Single-phase	230 V	240 V	Three-phase	230 V	400 V	240 V	415 V
NKm 2/2 GE-N	4.4 A	4.3 A	NK 2/2-N	2.8 A	1.6 A	2.7 A	1.5 A
NKm 2/3 GE-N	5.4 A	5.2 A	NK 2/3-N	3.3 A	1.9 A	3.2 A	1.8 A
NKm 2/4 GE-N	6.2 A	6.0 A	NK 2/4-N	4.0 A	2.3 A	3.9 A	2.2 A
NKm 2/5 GE-N	7.6 A	7.3 A	NK 2/5-N	5.0 A	2.9 A	4.9 A	2.8 A
NKm 2/6 GE-N	8.8 A	8.5 A	NK 2/6-N	5.7 A	3.3 A	5.5 A	3.2 A
NKm 4/3 GE-N	5.0 A	4.8 A	NK 4/3-N	3.2 A	1.8 A	3.1 A	1.7 A
NKm 4/4 GE-N	6.2 A	6.0 A	NK 4/4-N	3.8 A	2.2 A	3.7 A	2.1 A
NKm 4/5 GE-N	7.5 A	6.9 A	NK 4/5-N	4.8 A	2.8 A	4.7 A	2.7 A
NKm 4/6 GE-N	8.7 A	8.4 A	NK 4/6-N	5.5 A	3.2 A	5.4 A	3.1 A
NKm 8/3 GE-N	7.5 A	6.9 A	NKm 8/3-N	4.8 A	2.8 A	4.7 A	2.7 A
NKm 8/4 GE-N	8.7 A	8.4 A	NKm 8/4-N	5.5 A	3.2 A	5.4 A	3.1 A

PALLETIZATION

MODEL		GROUPAGE	CONTAINER
Single-phase	Three-phase	n. pumps	n. pumps
NKm 2/2 GE-N	NK 2/2-N	30	54
NKm 2/3 GE-N	NK 2/3-N	30	54
NKm 2/4 GE-N	NK 2/4-N	25	45
NKm 2/5 GE-N	NK 2/5-N	25	45
NKm 2/6 GE-N	NK 2/6-N	25	45
NKm 4/3 GE-N	NK 4/3-N	30	54
NKm 4/4 GE-N	NK 4/4-N	25	45
NKm 4/5 GE-N	NK 4/5-N	25	45
NKm 4/6 GE-N	NK 4/6-N	25	45
NKm 8/3 GE-N	NK 8/3-N	30	54
NKm 8/4 GE-N	NK 8/4-N	25	45