

NK Multi-stage submersible pumps

-  Clean water
-  Domestic use
-  Civil use
-  Agricultural use



※ Designed to transfer clean water in domestic, agricultural, and civil settings.
Optimal for tanks or reservoirs water supply and garden irrigation

PERFORMANCE RANGE

- Flow rate up to **160 l/min** (9.6 m³/h)
- Head up to **97 m**

AVAILABLE UPON REQUEST

- ※ Other power cable lengths available
- ※ Different voltage requirements 60 Hz frequency

INSTALLATION AND USE

Designed for enhanced reliability with patented solutions to prevent stalling during extended periods of inactivity. Superb for various applications including domestic, civil, and agricultural sectors, water distribution with pressure tanks, irrigation, and enhancing water pressure.

PATENTS - TRADE MARKS - MODELS

- Patent No. IT0001428923

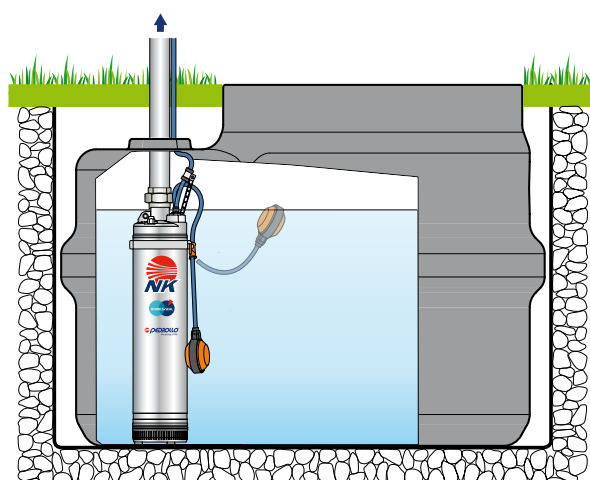
INCLUDES

- ※ Float switch (exclusive to single-phase models)
- ※ Power cable length **10 m**

APPLICATION LIMITS

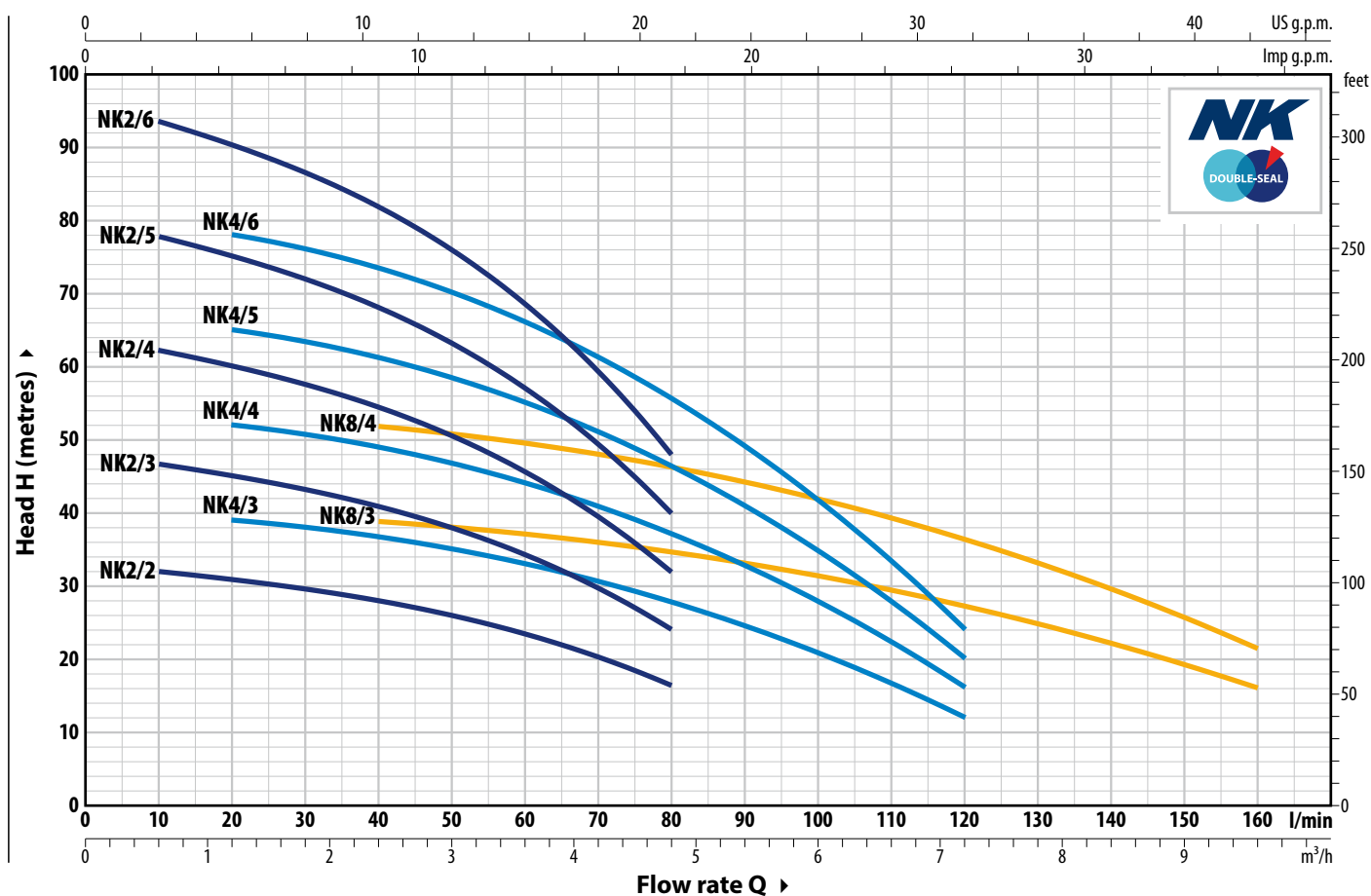
- Liquid temperature up to **+40 °C**
- Maximum sand content **150 g/m³**
- Maximum operating depth below water level up to **20 m** (with an appropriately sized power cable)

Vertical Installation



CURVES AND PERFORMANCE DATA

50 Hz



TYPE		POWER (P ₂)		Q	m³/h															
Single-phase	Three-phase	kW	HP		l/min	0	0.6	1.2	2.4	3.0	3.6	4.2	4.8	6.0	6.6	7.2	8.4	9.6		
					0	10	20	40	50	60	70	80	100	110	120	140	160			
NKm 2/2 GE	–	0.37	0.5	H metres	33	32	31	28	26	23.5	20.3	16.4								
NKm 2/3 GE	NK 2/3	0.55	0.75		48.5	47	45	41	38	34.5	29.5	24								
NKm 2/4 GE	NK 2/4	0.75	1		64.5	62.5	60.5	54.5	50.5	46	39.5	32								
NKm 2/5 GE	NK 2/5	1.1	1.5		80	78	75	68.5	63.5	57	49.5	40								
NKm 2/6 GE	NK 2/6	1.5	2		97	94	90	82	76	68.5	59.5	48								
NKm 4/3 GE	NK 4/3	0.55	0.75		40	39.5	39	36.5	35	33	30.5	28	20.8	16.6	12					
NKm 4/4 GE	NK 4/4	0.75	1		53	53	52	49	46.5	44	41	37	28	22.2	16					
NKm 4/5 GE	NK 4/5	1.1	1.5		67	66	65	61	58.5	55	51	46.5	34.5	27.5	20					
NKm 4/6 GE	NK 4/6	1.5	2		80	79	78	73	70	66	61	55.5	41.5	33.5	24					
NKm 8/3 GE	NK 8/3	1.1	1.5		40.5	40.5	40	39	38	37.5	36	35	31.5	29.5	27.5	22.3	16.2			
NKm 8/4 GE	NK 8/4	1.5	2		54	54	53.5	52	51	49.5	48	46.5	42	39.5	36.5	29.5	21.6			

Q = Flow rate H = Total manometric head

Performance curves comply with EN ISO 9906 Grade 3B tolerance limits.

⇒ On request single-phase pumps without float switch

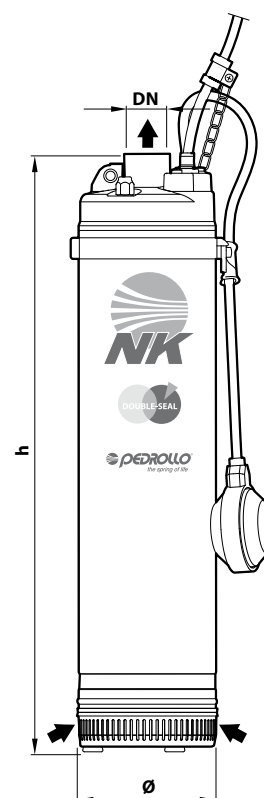
ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
NKm 2/2 GE	4.3 A
NKm 2/3 GE	5.5 A
NKm 2/4 GE	6.2 A
NKm 2/5 GE	7.6 A
NKm2/6 GE	9.2 A
NKm 4/3 GE	5.0 A
NKm 4/4 GE	6.2 A
NKm 4/5 GE	7.5 A
NKm 4/6 GE	8.7 A
NKm 8/3 GE	7.1 A
NKm 8/4 GE	9.2 A

TYPE	VOLTAGE
Three-phase	400 V
NK 2/3	1.9 A
NK 2/4	2.3 A
NK 2/5	3.0 A
NK 2/6	3.4 A
NK 4/3	1.8 A
NK 4/4	2.2 A
NK 4/5	2.8 A
NK 4/6	3.2 A
NK 8/3	2.9 A
NK 8/4	3.4 A

DIMENSIONS AND WEIGHT

TYPE		PORT DN	DIMENSIONS mm		kg	
Single-phase	Three-phase		Ø	h	1~	3~
NKm 2/2 GE	–	1 1/4"	135	459	13.1	13.1
NKm 2/3 GE	NK 2/3			486	13.6	13.6
NKm 2/4 GE	NK 2/4			543	15.2	14.4
NKm 2/5 GE	NK 2/5			570	16.6	15.4
NKm 2/6 GE	NK 2/6			617	18.6	17.3
NKm 4/3 GE	NK 4/3			486	13.7	13.5
NKm 4/4 GE	NK 4/4			543	15.2	14.1
NKm 4/5 GE	NK 4/5			570	16.7	15.5
NKm 4/6 GE	NK 4/6			617	18.0	17.8
NKm 8/3 GE	NK 8/3			516	15.5	14.4
NKm 8/4 GE	NK 8/4			563	17.5	16.3



PALLET CAPACITY

TYPE		NO. OF PUMPS
Single-phase	Three-phase	
NKm 2/2 GE	–	30
NKm 2/3 GE	NK 2/3	30
NKm 2/4 GE	NK 2/4	25
NKm 2/5 GE	NK 2/5	25
NKm 2/6 GE	NK 2/6	25
NKm 4/3 GE	NK 4/3	30
NKm 4/4 GE	NK 4/4	25
NKm 4/5 GE	NK 4/5	25
NKm 4/6 GE	NK 4/6	25
NKm 8/3 GE	NK 8/3	30
NKm 8/4 GE	NK 8/4	25

MATERIALS AND COMPONENTS

1 Outer sleeve **AISI 304** stainless steel, fitted with ISO 228/1 threaded delivery port

2 Suction filter **AISI 304** stainless steel, complete with anti-vibration feet

3 Motor sleeve Stainless steel **AISI 304**

4 Impellers and diffusers Noryl™

5 Diaphragms Stainless steel **AISI 304**

6 Motor shaft Stainless steel **AISI 431**

7 Double mechanical seal with interposed oil chamber

Seal	Shaft	Location	Materials
STA-17	Ø 17 mm	Motor side	Ceramic / Graphite / NBR
ST1-16	Ø 16 mm	Pump side	Silicon carbide / Graphite / NBR

8 Capacitor

9 Electric motor

NKm: single-phase 230 V - 50 Hz with winding integrated thermal motor protection

NK: three-phase 400 V - 50 Hz

- Continuous running duty S1
- Insulation: Class F
- Protection rating IP X8

10 Power cord

➡ **DRINCABLE®** type
approved for use in drinking water by **WRAS**
according to BS 6920, approval no. 7513

※ Standard length 10 metres

11 Automatic vent valve

12 Anti-vibration feet

13 Float switch
(exclusive to single-phase models)

