

Code	48SN0120A1U
Family	NK
Group	Close-coupled
Typology	Borehole

Uses	Agricultural
	Civil
	Household

Application limits

Liquid Type	Clean Water
Minimum liquid temperature	0 °C
Maximum liquid temperature	40 °C
Maximum Chlorine Content	0 ppm
Maximum Sand Content	150 ppm
Manometric suction lift	0 m
Maximum immersion depth	20 m
Maximum Ambient Temperature	0 °C
Minimum Ambient Temperature	0 °C
Maximum Working Pressure	0 bar

Duty Point

Flow rate (actual)	0.000 l/min
Head (actual)	0.000 m

Pump nameplate data

Flow rate	10 - 80 l/min
Head	62.5 - 32 m
Maximum head	64.5 m
Minimum head	32 m
Minimum Efficiency Index	-

Construction and safety standards

- 10 m long power cable.
Float switch for single-phase versions.
- EN 60335-1, IEC 60335-1
 - EN 60034-1, IEC 60034-1

Connections

Type of connection	Gas threaded
Size of suction connection	
Size of delivery connection	1¼"

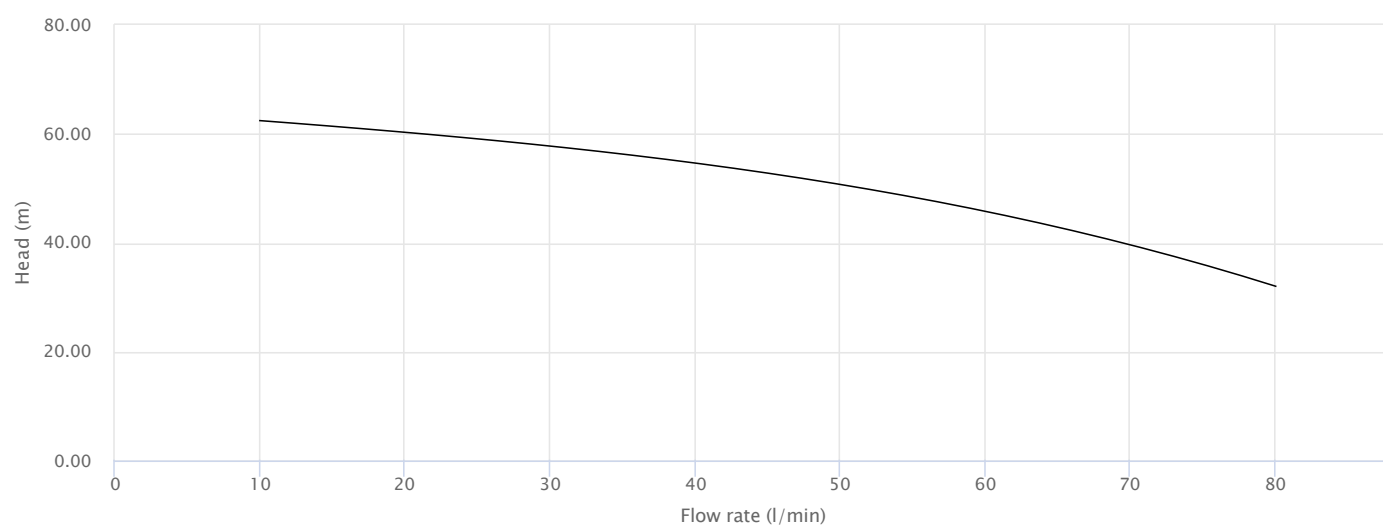
Input Data

Rated flow rate (requested)	0.000 l/min
Rated head (requested)	0.000 m
System geodetic head	0.000 m
System friction losses	0.000 m
NPSH Available	0.000 m
Liquid	Water
Temperature	20 °C
Density	998.1 kg/m³
Kinematic Viscosity	1.00 mm²/s
Vapour Pressure	2,318 Pa

Motor nameplate data

Voltage	220-240 V
Phases	1
Frequency	50 Hz
Rotation Speed	2900 rpm
Rated output power	0.75 kW
Rated Current	6.2 A
Input power P1	1.35 kW
Efficiency grade	Undefined
Capacitor	20 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	X8

Performance



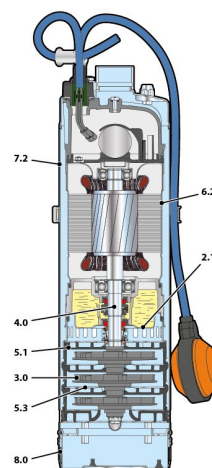
Construction

Bearings

Motor bearing - pump side	6303 2RS - C3
Motor bearing - opposite side	6203 ZZ - C3E

Shaft Seal

Seal Type	Double mechanical seal in an oil chamber
Motor Side Model	STA-17
Diameter MS	17
Stationary Ring MS	Ceramic
Rotating Ring MS	Graphite
Elastomer MS	NBR
Pump Side Model	ST1-16
Diameter PS	16
Stationary Ring PS	Silicon Carbide
Rotating Ring PS	Graphite
Elastomer PS	NBR



Materials

2.1 - Casing Cover	Stainless steel EN 1.4301 (AISI 304)
3.0 - Impeller	Reinforced technopolymer
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
5.1 - Diffuser	Reinforced technopolymer
5.3 - Diaphragm/Diffuser Cover	Stainless steel EN 1.4301 (AISI 304)
6.2 - Motor sleeve	Stainless steel EN 1.4301 (AISI 304)
7.2 - Pump sleeve	Stainless steel EN 1.4301 (AISI 304)
8.0 - Suction Strainer/Filter	Stainless steel EN 1.4301 (AISI 304)

Dimensions

DN1	DN2	d	h	Kg
0"	1¼"	135	543	13.6

