

Code	4931416PLA1
Family	3SR
Group	3" Borehole
Typology	Borehole

Extra UE Only	No
Uses	Civil Household

Application limits

Liquid Type	Clean Water
Minimum liquid temperature	0 °C
Maximum liquid temperature	35 °C
Maximum Chlorine Content	- ppm
Maximum Sand Content	150.00 ppm
Manometric suction lift	0 m
Maximum immersion depth	100.00 m
Maximum Ambient Temperature	- °C
Minimum Ambient Temperature	- °C
Maximum Working Pressure	- bar

Duty Point

Flow rate (actual)	0.000 l/min
Head (actual)	0.000 m
Pump Efficiency	0.00 %

Pump nameplate data

Flow rate	15 - 90 l/min
Head	58 - 14.5 m
Maximum head	58.5 m
Minimum head	14.5 m
Minimum Efficiency Index	-

Construction and safety standards

- 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	1 "

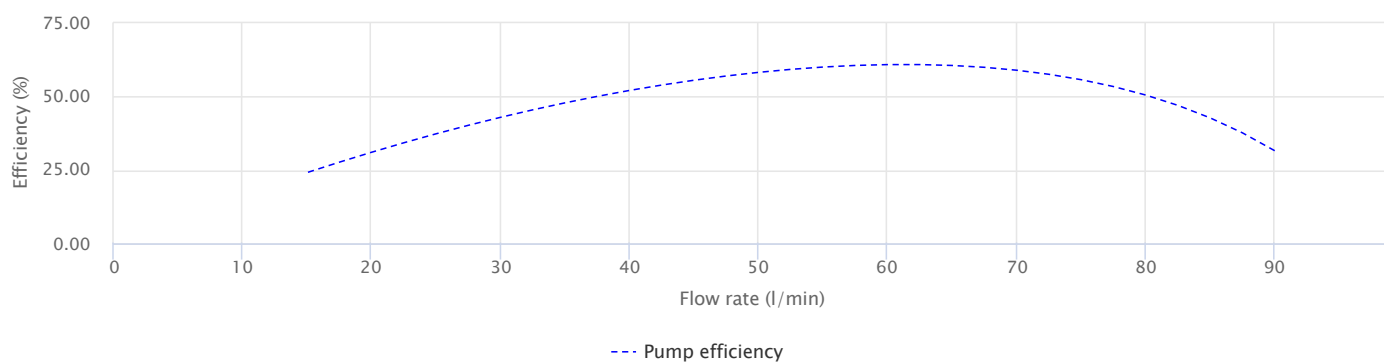
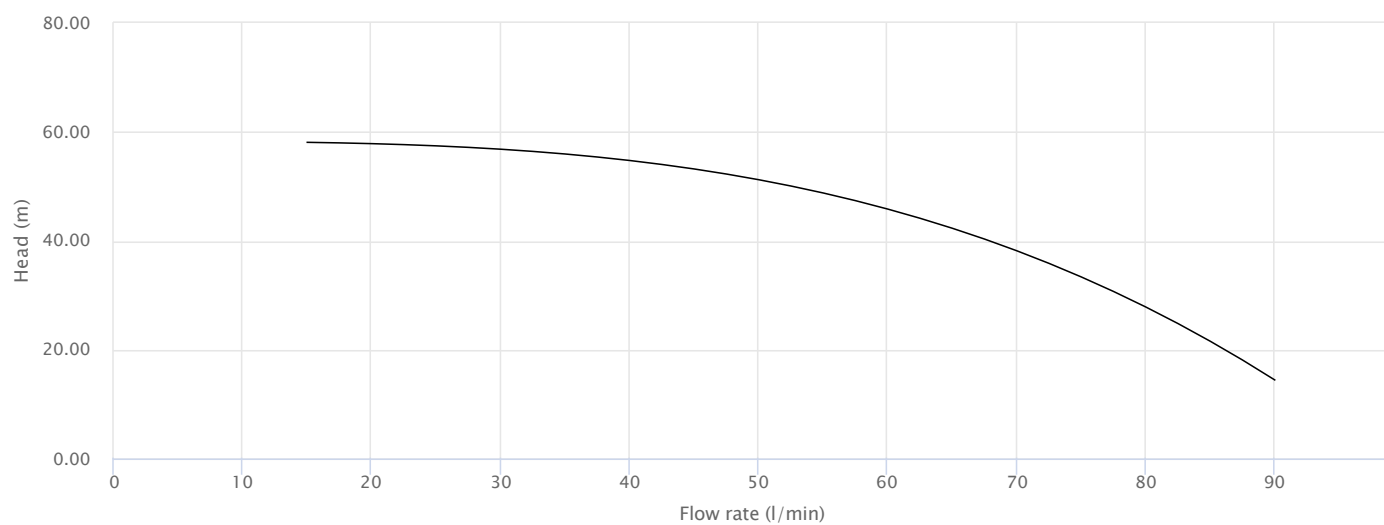
Input Data

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/m ³
Kinematic Viscosity	1.00 mm ² /s
Vapour Pressure	2,318 Pa

Motor nameplate data

Voltage	220-240 V
Phases	1
Frequency	50 Hz
Rotation Speed	2800 rpm
Rated output power	0.75 kW
Rated Current	6 A
Input power P1	1.16 kW
Efficiency grade	Undefined
Capacitor	20 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	68

Performance

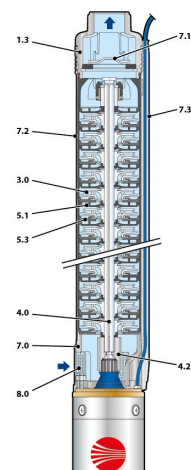


Construction

Bearings

Pump bearing - stationary bushing	Low friction polymer
Pump bearing - rotating sleeve	Sintered AISI 316 with a ceramic coating

Shaft Seal



Materials

1.3 - Delivery casing	Stainless steel EN 1.4301 (AISI 304)
3.0 - Impeller	Reinforced technopolymer
4.0 - Pump Shaft	Stainless steel EN 1.4301 (AISI 304)
4.2 - Drive coupling	Stainless steel EN 1.4404 (AISI 316L)
5.1 - Diffuser	Reinforced technopolymer
5.3 - Diaphragm/Diffuser Cover	Reinforced technopolymer
7.0 - Bracket	Stainless steel EN 1.4301 (AISI 304)
7.1 - Check valve	Stainless steel EN 1.4301 (AISI 304)
7.2 - Pump sleeve	Stainless steel EN 1.4301 (AISI 304)
7.3 - Cable Cover	Stainless steel EN 1.4301 (AISI 304)
8.0 - Suction Strainer/Filter	Stainless steel EN 1.4301 (AISI 304)

Dimensions

DN2	d	h1	h2	h3	Kg
			[mm]		
1"	76	662	448	1110	11.6

