

Code	49480122WLA
Family	4SR-S
Group	4" Borehole
Typology	Borehole

Uses	Agricultural
	Civil
	Household

Application limits

Liquid Type	Clean Water
Minimum liquid temperature	-10 °C
Maximum liquid temperature	35 °C
Maximum Chlorine Content	- ppm
Maximum Sand Content	200.00 ppm
Manometric suction lift	0 m
Maximum immersion depth	200.00 m
Maximum Ambient Temperature	- °C
Minimum Ambient Temperature	- °C
Maximum Working Pressure	- bar

Construction and safety standards

Length of power cable:

- 2 m powers from 0.37 to 2.2 kW
- 3.6 m powers from 3 to 7.5 kW.

For single phase versione, the capacitor is included in the packaging.

- EN 60335-1, IEC 60335-1
- EN 60034-1, IEC 60034-1
- EU Regulation Nr. 547/2012

Connections

Type of connection	Gas threaded
Size of suction connection	-
Size of delivery connection	1 1/4"

Duty Point

Flow rate (actual)	29.9 l/min
Head (actual)	110 m
Pump Efficiency	47.24 %

Input Data

Rated flow rate (requested)	30.0 l/min
Rated head (requested)	110 m
System geodetic head	0.000 m
System friction losses	110 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

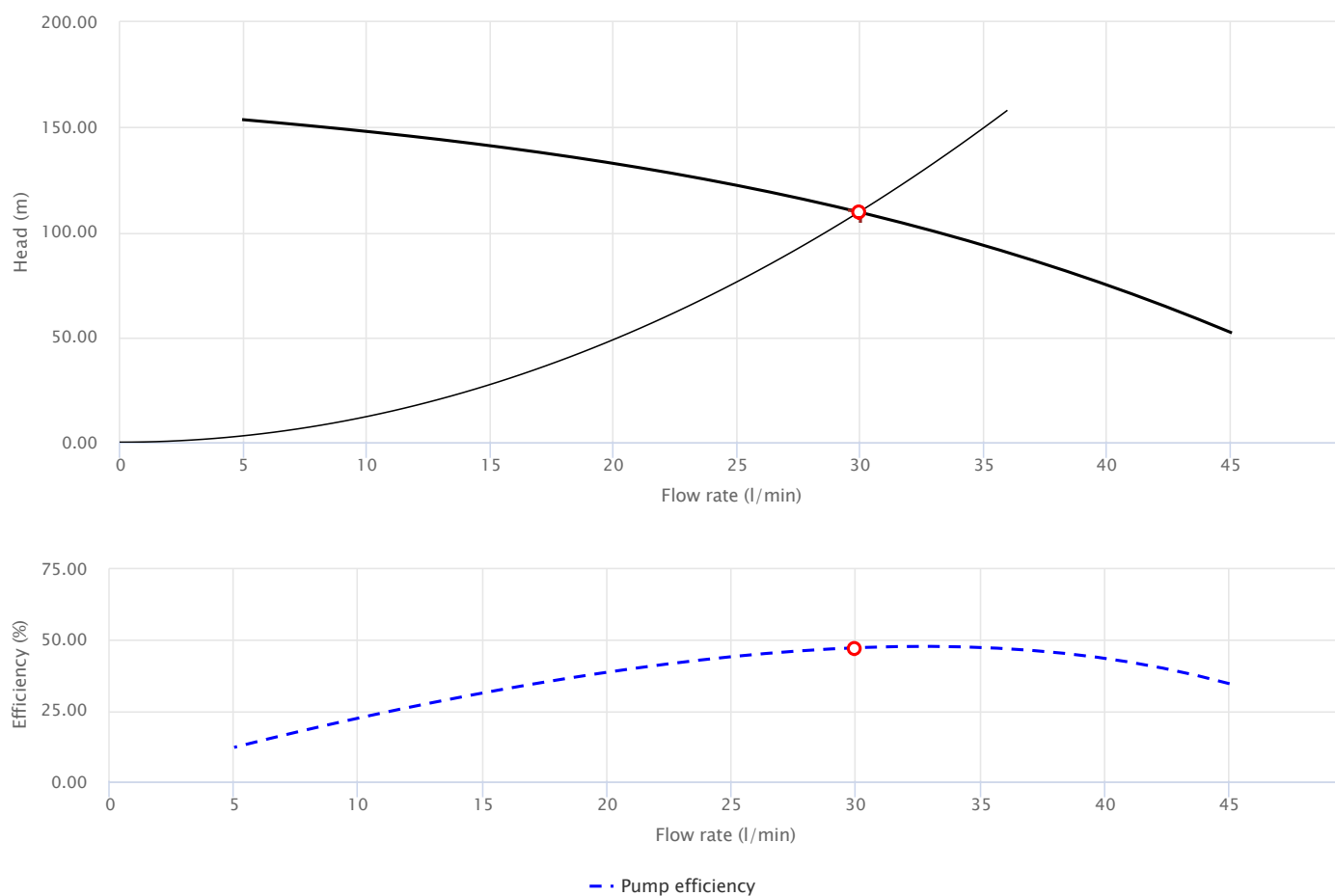
Pump nameplate data

Flow rate	5 - 45 l/min
Head	154 - 52.5 m
Maximum head	158 m
Minimum head	52.5 m
Minimum Efficiency Index	MEI≥0.40

Motor nameplate data

Voltage	380-415 V
Phases	3
Frequency	50 Hz
Rotation Speed	2825 rpm
Rated output power	1.10 kW
Rated Current	3.4 A
Input power P1	- kW
Efficiency grade	Undefined
Capacitor	- µF
Capacitor Voltage	- V
Insulation Class	F
Enclosure class IP	68

Performance

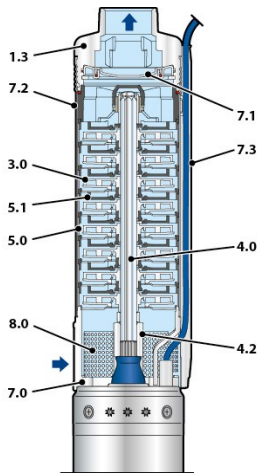


Construction

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)
5.0 - Stage casing	Stainless steel EN 1.4301 (AISI 304)
5.1 - Diffuser	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 1/4"	98	627	371	998	15.4

