

4SR

4" submersible pumps

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



PERFORMANCE RANGE

- Flow rate up to **340 l/min** (20.4 m³/h)
- Head up to **405 m**

APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- Maximum sand content **150 g/m³**
- **100 m** immersion limit
- Installation:
 - vertical
 - horizontal, with the following limits:
 - 4SR1 - 4SR1.5 - 4SR2 - 4SR4 up to **27 stages**
 - 4SR6 - 4SR8 up to **17 stages**
 - 4SR10 - 4SR12 - 4SR15 up to **12 stages**
- Starts/hour: **20** at regular intervals
- Minimum flow rate for motor cooling **8 cm/s**
- Continuous service **S1**

CONSTRUCTION AND SAFETY STANDARDS

ELECTRIC MOTOR

- Single-phase 230 V - 50 Hz
- Three-phase 400 V - 50 Hz

Length of power cable:

- for P₂ from 0.37 to 3 kW: **1.7 m** 4SR-PD, **2.0 m** 4SR-PS
- for P₂ from 4 to 7.5 kW: **2.7 m** 4SR-PD, **3.0 m** 4SR-PS

➔ The **4SR-PD** and **4SR-PS** single-phase versions supplied with a capacitor included in the packaging.

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

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



EU REGULATION N. 547/2012

CERTIFICATIONS

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



INSTALLATION AND USE

Suitable for use with clean water with a sand content of no more than **150 g/m³**. Because of their high efficiency and reliability, they are suitable for use in domestic, civil and industrial applications such as for the distribution of water in combination with pressure tanks, for irrigation, for washing plants and for pressure boosting in fire-fighting sets, etc.

PATENTS - TRADE MARKS - MODELS

- Patent n. EP2419642

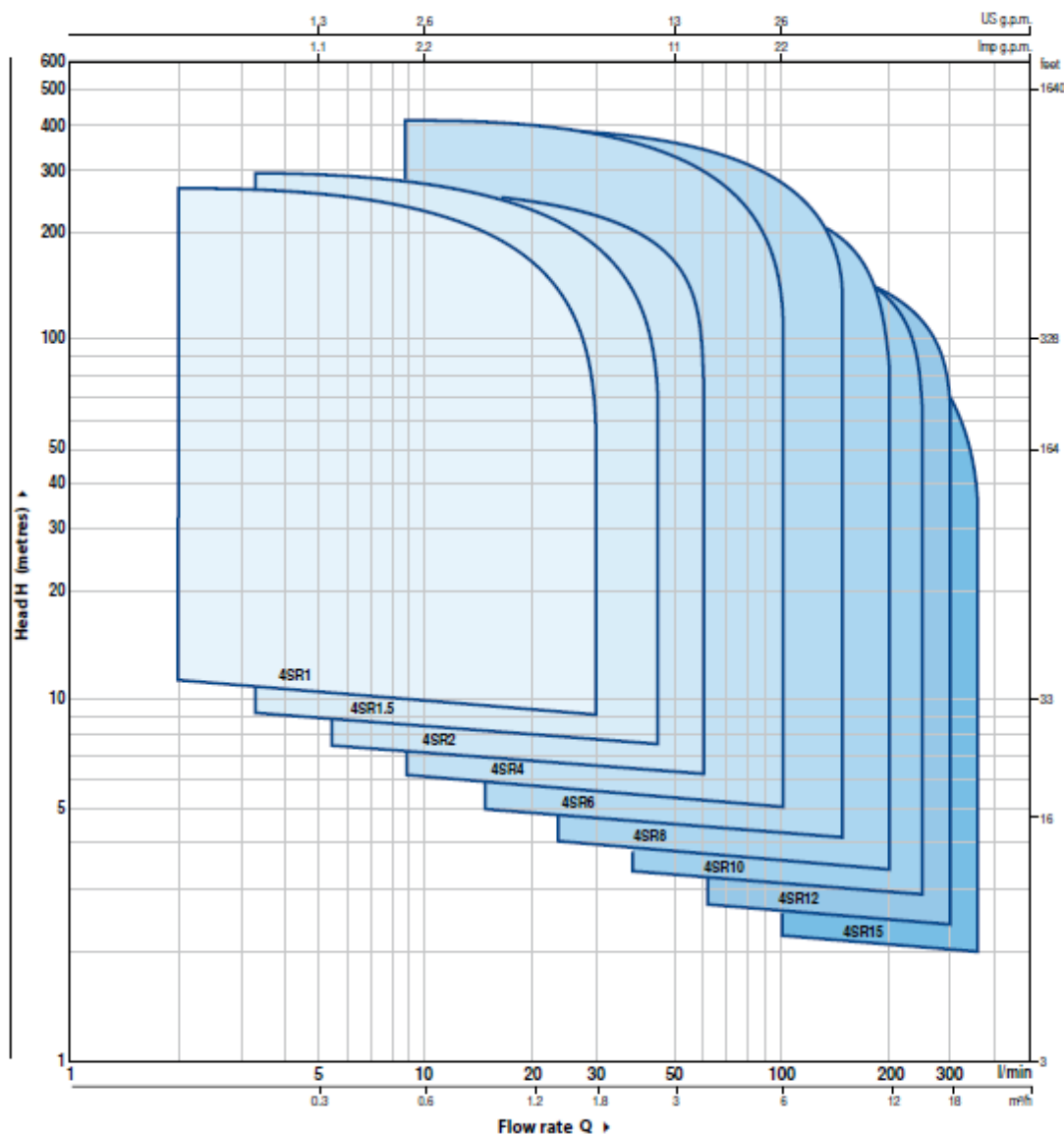
OPTIONS AVAILABLE ON REQUEST

- Other voltages or 60 Hz frequency
- **Kit of cooling jacket complete with filter and supports**



PERFORMANCE RANGE

50 Hz n= 2900 rpm



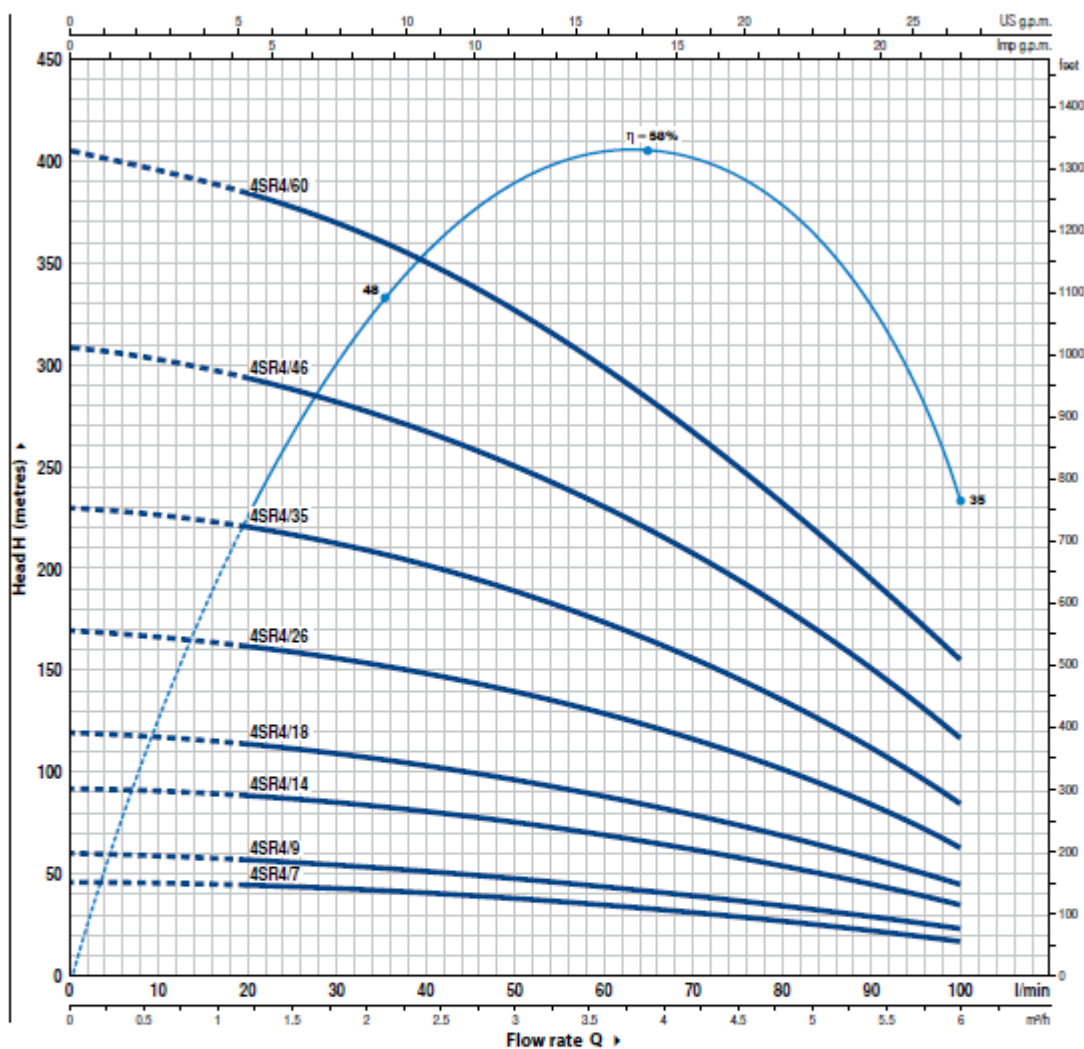
NOMENCLATURE

4 SR 1 m / 13 - PD or PS or HYD

- Borehole diameter in inches _____
- Series _____
- Flow rate in m³/h at the point of highest efficiency _____
- Single-phase motor _____
- Number of stages _____
- PD: pump with "4PD PEDROLLO" motor _____
- PS: pump with "4PS PEDROLLO" motor _____
- HYD: pump without motor _____

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 rpm



MODEL		POWER (P ₂)		Q	m ³ /h l/min	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
Single-phase	Three-phase	kW	HP			0	20	30	40	50	60	70	80	90	100
4SR4m/7	4SR4/7	0.55	0.75	H metres	46	44	42	40	38	35	32	28	23	17	
4SR4m/9	4SR4/9	0.75	1		60	56	55	52	49	45	40	35	29	23	
4SR4m/14	4SR4/14	1.1	1.5		92	88	85	81	76	70	63	55	45	35	
4SR4m/18	4SR4/18	1.5	2		120	112	109	104	98	90	81	70	58	45	
4SR4m/26	4SR4/26	2.2	3		170	162	157	150	141	130	116	101	84	63	
-	4SR4/35	3	4		230	220	211	202	190	175	157	137	113	85	
-	4SR4/46	4	5.5		308	293	280	269	249	230	205	181	151	117	
-	4SR4/60	5.5	7.5		405	385	370	350	325	300	270	235	195	155	

Q = Flow rate H = Total manometric head

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