

4SR 4" submersible pumps



※ The new 4SR-S series floating impeller pumps, with their advanced hydraulic design and patented innovations, deliver outstanding performance and efficiency. They are exceptionally resistant to sand-related wear, offering a durability 10 times higher than other global market pumps!

※ The new 4SR-S pumps feature a patented inductor that improves priming capabilities in wells with air/water mix or water containing gasses.

PERFORMANCE RANGE

- Flow rate up to **450 l/min** (27 m³/h)
- Head up to **576 m**

- Starts per hour: **20** at regular intervals
- Minimum motor cooling flow **8 cm/s**
- Continuous running duty **S1**

INSTALLATION AND USE

They are recommended for pumping clean water. Due to their high efficiency and reliability, they are suitable for **domestic, civil and industrial** applications, for water distribution coupled with autoclaves, for irrigation, for washing systems, for pressure boosting, etc.

※ KEY FEATURES

Low energy consumption and remarkable durability, even in the presence of sand (up to **200 g/m³**), thanks to an innovative patented hydraulics system..

APPLICATION LIMITS

- Liquid temperature up to **+40 °C**
- Maximum sand content:
 - **200 g/m³** for 4SR-S
 - **150 g/m³** for 4SR-N
- Maximum operating depth below water level:
 - **200 m** with 4PD motors
 - **300 m** with 4PS motors
- Operation:
 - in vertical position
 - horizontally with the following limits:
 - 4SR-S** - 1 / 1.5 / 2 / 4 up to **23 stages**
 - 4SR-S** 6 / 8 up to **17 stages**
 - 4SR-N** 10 / 12 / 15 up to **13 stages**
 - 4SR-N** 18 up to **9 stadi**

INCLUDES

ELECTRIC MOTOR

- ※ Three-phase 400 V - 50 Hz
- ※ Single-phase 230 V - 50 Hz
- ※ **Capacitor included in packaging**
- ※ Power cable:
 - **2 m** for power ratings from 0.75 to 2.2 kW
 - **3.6 m** for power ratings from 3 to 7.5 kW.

※ **4SR 18-N** without check valve

AVAILABLE UPON REQUEST

- ※ Different voltage requirements 60 Hz frequency
- ※ Cooling jacket kit
- ※ 4SR 18-N with check valve

PATENTS:

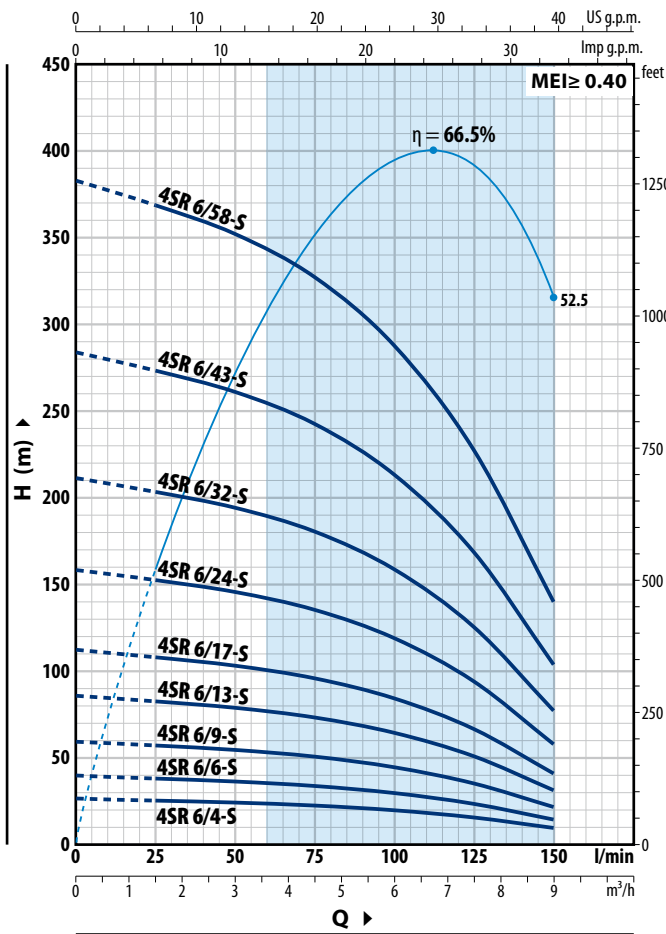
- European Patent No. EP3123031
- European Patent No. EP2419642 for 4SR-S
- Patent No. 10202100003057 for 4SR-S
- **4SR-S**® is a registered trademark No. 018702382
- **SABBIA**® is registered trademark no. 5456231



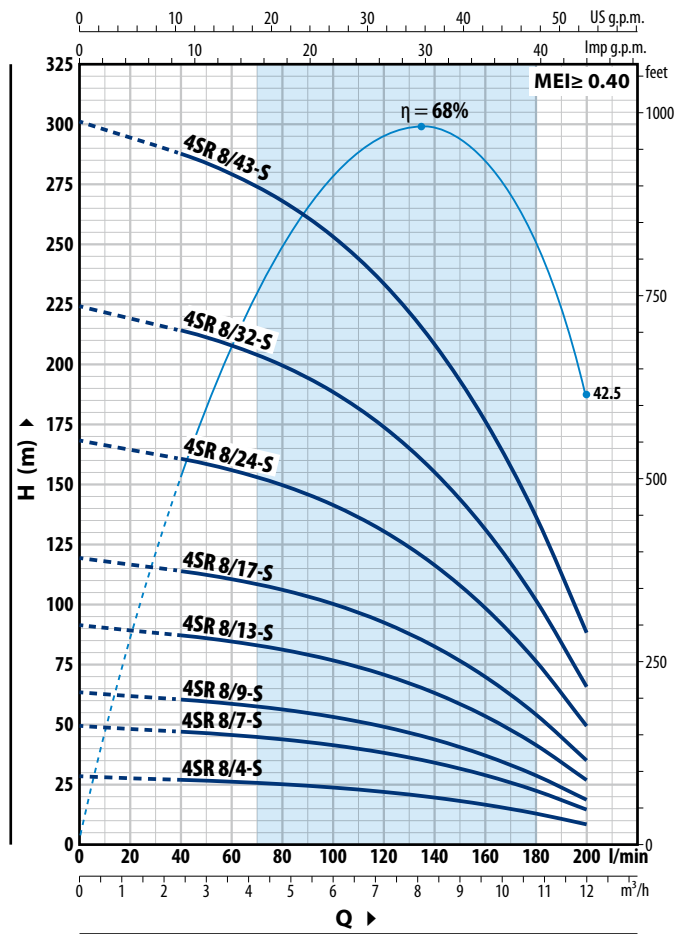
CURVES AND PERFORMANCE DATA

50 Hz

4SR 6-S



4SR 8-S



4SR 6-S

TYPE		POWER (P ₂)		Q	H metres							
Single-phase	Three-phase	kW	HP		m ³ /h	0	1.5	3.0	4.5	6.0	7.5	9.0
4SRm 6/4 - S	4SR 6/4 - S	0.55	0.75	0	0	25	50	75	100	125	150	
4SRm 6/6 - S	4SR 6/6 - S	0.75	1	26.5	25.5	24.3	22.5	19.8	15.7	9.5		
4SRm 6/9 - S	4SR 6/9 - S	1.1	1.5	39.5	38	36.5	34	29.5	23.5	14.5		
4SRm 6/13 - S	4SR 6/13 - S	1.5	2	59.5	57	54.5	50.5	44.5	35.5	21.5		
4SRm 6/17 - S	4SR 6/17 - S	2.2	3	86	83	79	73	64.5	51	31.5		
-	4SR 6/24 - S	3	4	112	108	103	96	84	66.5	41		
-	4SR 6/32 - S	4	5.5	158	152	146	135	119	94	58		
-	4SR 6/43 - S	5.5	7.5	211	203	194	180	159	125	77		
-	4SR 6/58 - S	7.5	10	284	273	261	242	213	168	104		
-				383	368	352	327	287	227	140		

4SR 8-S

TYPE		POWER (P ₂)		Q	H metres									
Single-phase	Three-phase	kW	HP		m ³ /h	0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
4SRm 8/4 - S	4SR 8/4 - S	0.75	1	0	0	40	60	80	100	120	140	160	180	200
4SRm 8/7 - S	4SR 8/7 - S	1.1	1.5	28	27	26	25	23.6	21.8	19.4	16.4	12.7	8	
4SRm 8/9 - S	4SR 8/9 - S	1.5	2	49	47	45.5	43.5	41.5	38	34	28.5	22.3	14.5	
4SRm 8/13 - S	4SR 8/13 - S	2.2	3	63	60.5	58.5	56	53	49	43.5	37	28.5	18.5	
-	4SR 8/17 - S	3	4	91	87	85	81	77	71	63	53.5	41.5	26.5	
-	4SR 8/24 - S	4	5.5	119	114	111	106	100	92	82	70	54	35	
-	4SR 8/32 - S	5.5	7.5	168	161	156	150	141	131	116	99	76	49	
-	4SR 8/43 - S	7.5	10	224	214	208	200	189	174	155	131	102	65.5	
-				301	288	280	268	253	234	209	177	137	88	

Q = Flow rate H = Total manometric head

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