

# 4SR

## 4" submersible pumps



### PERFORMANCE RANGE

- Flow rate up to **375 l/min** (22.5 m<sup>3</sup>/h)
- Head up to **405 m**

### APPLICATION LIMITS

- Maximum liquid temperature **+35 °C**
- Maximum sand content **150 g/m<sup>3</sup>**
- **100 m** immersion limit
- Installation:
  - vertical
  - horizontal, with the following limits:
    - 4SR1 - 4SR1.5 - 4SR2 - 4SR4 up to **27 stages**
    - 4SR6 - 4SR8 - 4SR10 - 4SR12 - 4SR15 up to **17 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:

- **1.5 m** for powers from 0.37 to 1.5 kW (3 kW 4SR-FK)
- **2.5 m** for powers from 2.2 to 5.5 kW (from 4 kW to 7.5 kW 4SR-FK)
- **3.5 m** for power from 7.5 kW 4SR-PD

➡ The **4SR-PD** single-phase versions come 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



### CERTIFICATIONS



AN30



IPOMTECT - 168

### INSTALLATION AND USE

Suitable for use with clean water with a sand content of no more than **150 g/m<sup>3</sup>**. As a result 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 sets, for irrigation, for washing plants and for pressure boosting in fire-fighting sets, etc.

### PATENTS - TRADE MARKS - MODELS

- Patent Pending n° PCT/EP2009/059855 (cable cover)
- Patent Pending n° PCT/IB2009/051491 (for single-phase 4SR-PD up to 0.75 kW; three-phase up to 1.1 kW).

### OPTIONALS AVAILABLE ON REQUEST

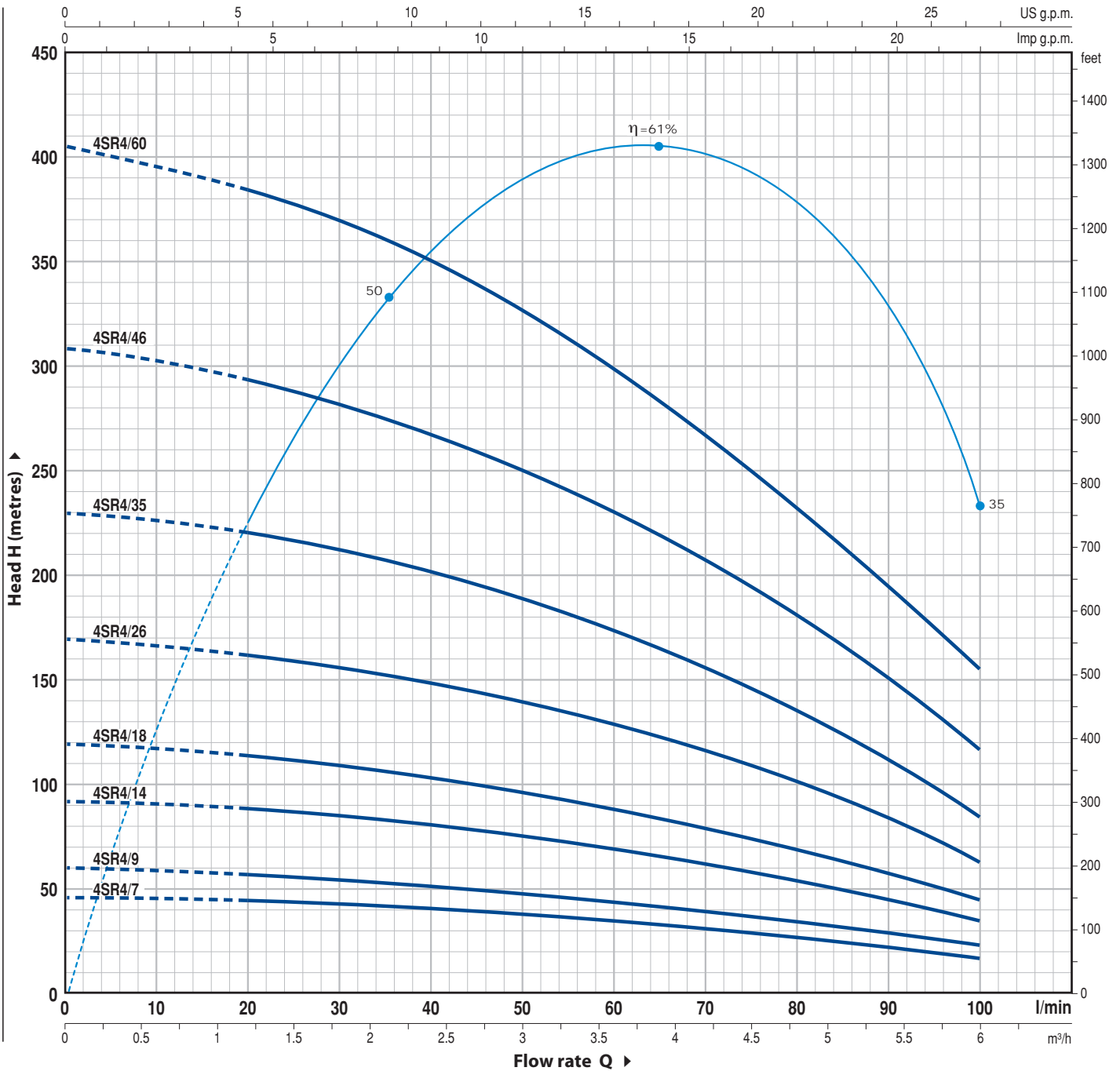
- Other voltages or 60 Hz frequency

### GUARANTEE

2 years subject to terms and conditions

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 1/min



MODEL		POWER		Q	H metres									
Single-phase	Three-phase	kW	HP		0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
				l/min	0	20	30	40	50	60	70	80	90	100
4SR4m/7	4SR4/7	0.55	0.75	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	

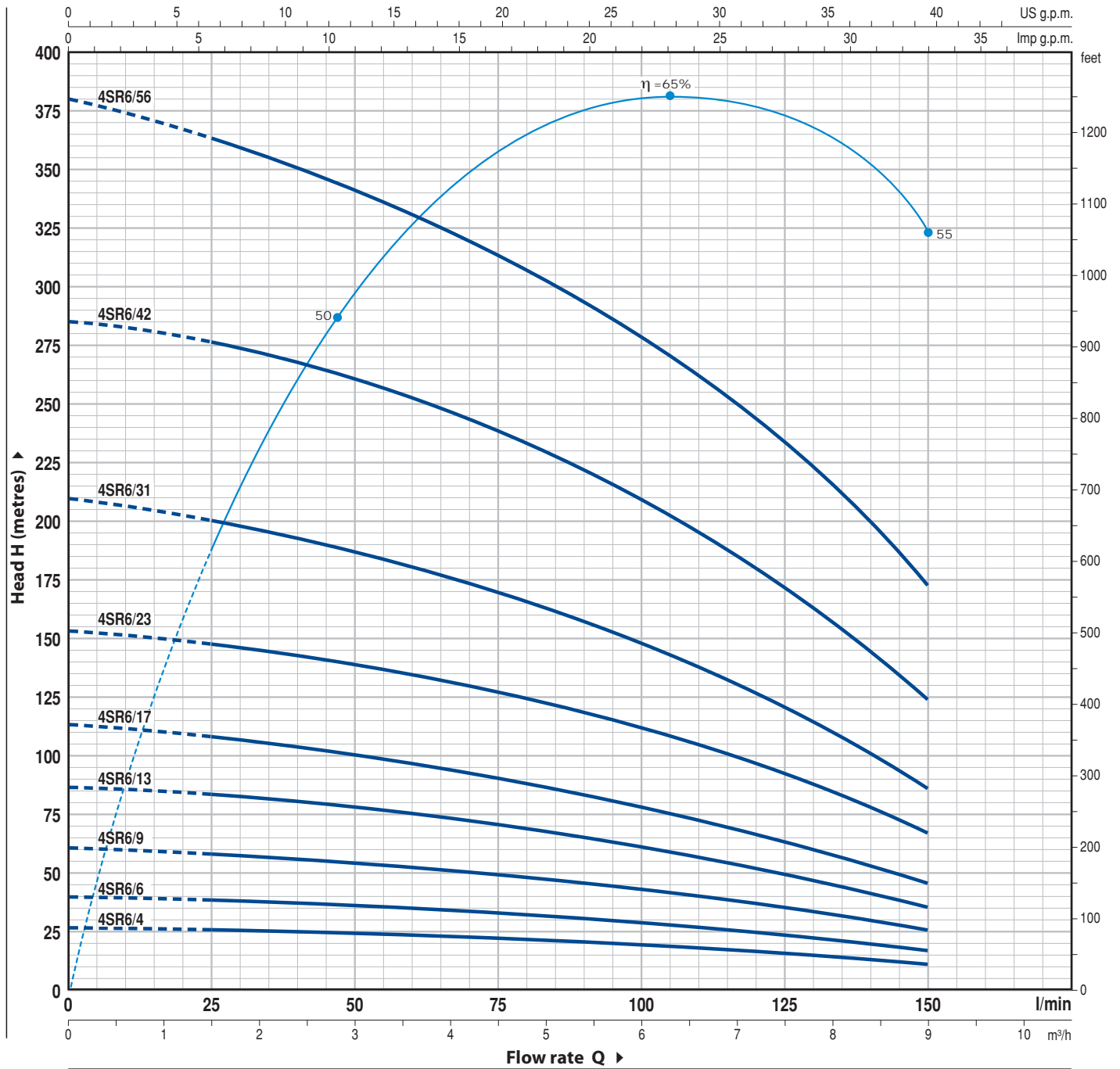
Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.

# 4SR6

## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL		POWER		Q	H metres						
Single-phase	Three-phase	kW	HP		0	1.5	3.0	4.5	6.0	7.5	9.0
				0	0	25	50	75	100	125	150
4SR6m/4	4SR6/4	0.55	0.75	27	27	26	24	22	19	15	11
4SR6m/6	4SR6/6	0.75	1	40	40	38	36	33	29	24	17
4SR6m/9	4SR6/9	1.1	1.5	61	61	58	54	50	44	35	26
4SR6m/13	4SR6/13	1.5	2	87	87	83	78	71	61	49	35
4SR6m/17	4SR6/17	2.2	3	114	114	107	100	91	79	62	45
-	4SR6/23	3	4	154	154	148	138	128	112	92	67
-	4SR6/31	4	5.5	210	210	200	186	170	149	121	86
-	4SR6/42	5.5	7.5	285	285	276	258	240	212	170	124
-	4SR6/56	7.5	10	380	380	365	340	315	280	233	173

Q = Flow rate H = Total manometric head

Tolerance of characteristic curves in compliance with EN ISO 9906 App. A.