



PERFORMANCE RANGE

- Flow rate up to **375 l/min** (22.5 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 - 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 3 kW
- **2.5 m** for powers from 4 to 5.5 kW (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



INSTALLATION AND USE

Suitable for use with clean water with a sand content of no more than **150 g/m³**. 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

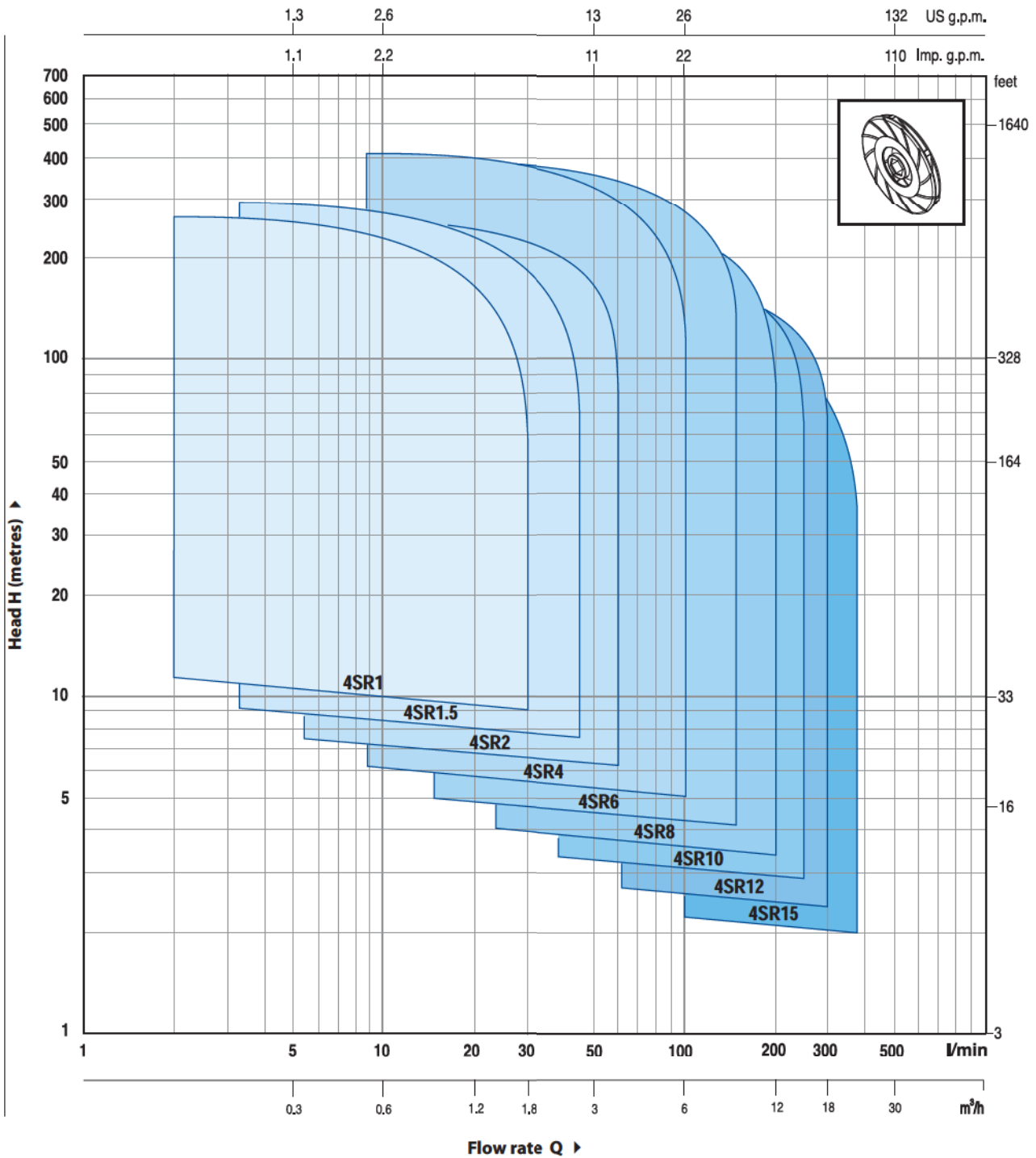
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

PERFORMANCE RANGE

50 Hz n= 2900 1/min



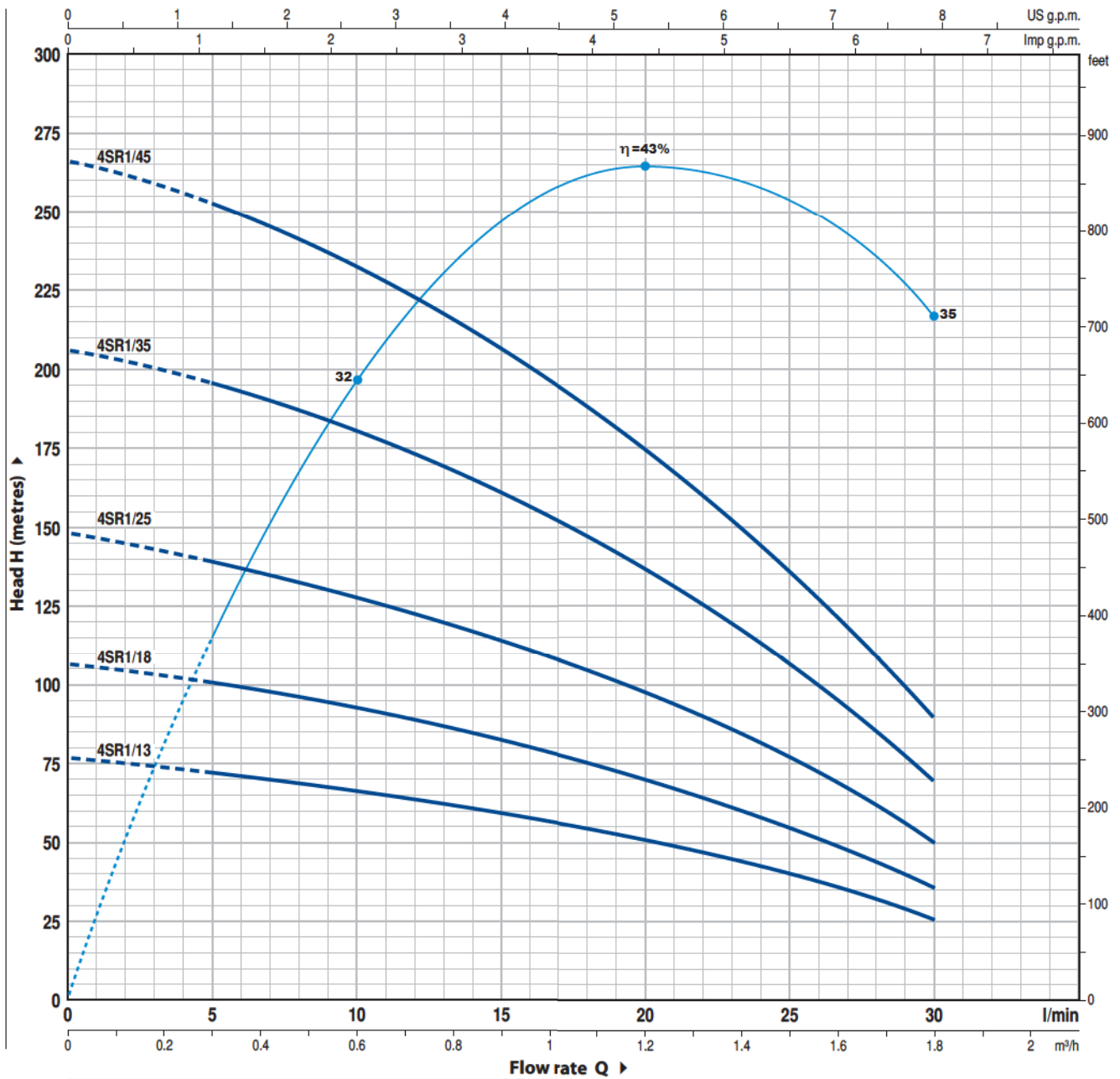
DESCRIPTION

4 SR 1 m / 13 - PD or FK 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 "PEDROLLO" motor _____
- FK: pump with "FRANKLIN" motor _____
- HYD: pump without motor _____

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



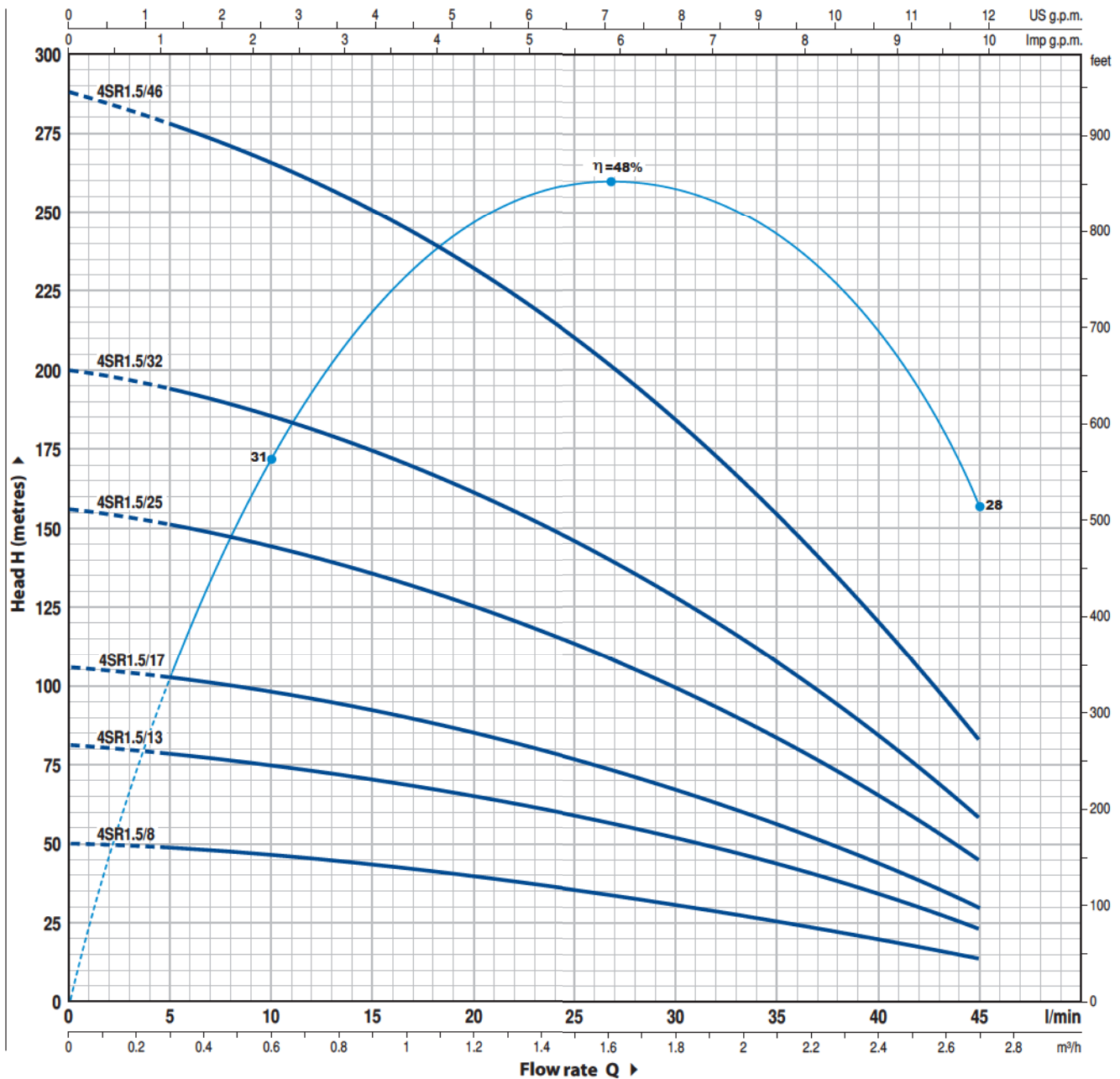
MODEL		POWER		Q	0	0.3	0.6	0.9	1.2	1.5	1.8
Single-phase	Three-phase	kW	HP		0	5	10	15	20	25	30
4SR1m/13	4SR1/13	0.37	0.50	H metres	77	73	67	60	51	40	26
4SR1m/18	4SR1/18	0.55	0.75		107	101	93	83	71	55	36
4SR1m/25	4SR1/25	0.75	1		148	140	129	115	98	77	50
4SR1m/35	4SR1/35	1.1	1.5		206	197	182	161	136	107	70
4SR1m/45	4SR1/45	1.5	2		266	254	234	207	176	137	90

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n=2900 1/min



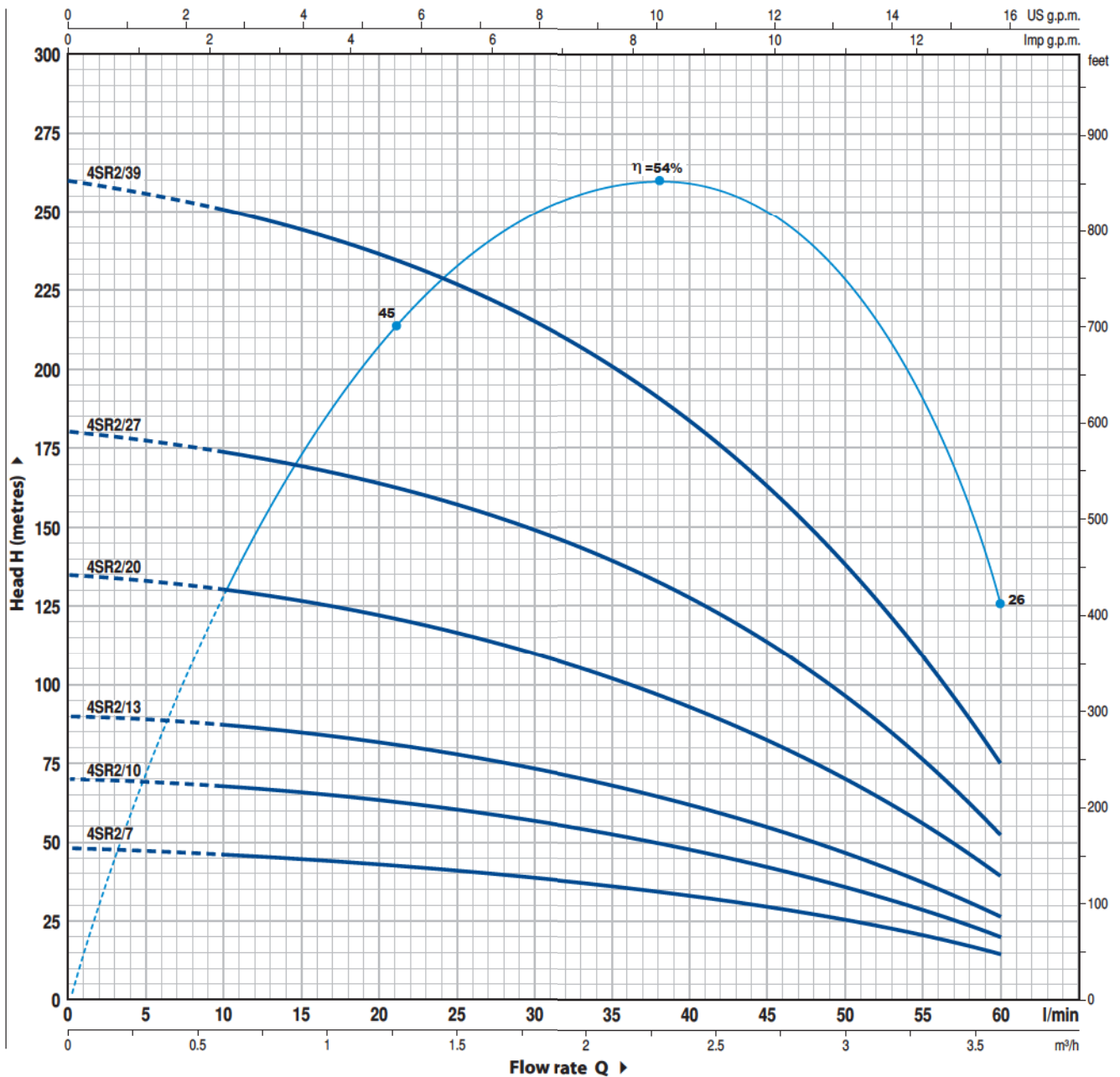
MODEL		POWER		Q	Flow rate (l/min)																			
Single-phase	Three-phase	kW	HP		0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	0	5	10	15	20	25	30	35	40	45
4SR1.5m/8	4SR1.5/8	0.37	0.50	H metres	50	48	46	44	40	36	32	26	20	14	50	48	46	44	40	36	32	26	20	14
4SR1.5m/13	4SR1.5/13	0.55	0.75		81	78	75	71	66	59	52	43	33	23	81	78	75	71	66	59	52	43	33	23
4SR1.5m/17	4SR1.5/17	0.75	1		106	102	98	93	86	78	68	56	43	30	106	102	98	93	86	78	68	56	43	30
4SR1.5m/25	4SR1.5/25	1.1	1.5		156	151	144	136	127	115	100	83	64	45	156	151	144	136	127	115	100	83	64	45
4SR1.5m/32	4SR1.5/32	1.5	2		200	193	184	175	162	147	128	106	82	58	200	193	184	175	162	147	128	106	82	58
4SR1.5m/46	4SR1.5/46	2.2	3		288	277	265	250	233	211	184	153	117	83	288	277	265	250	233	211	184	153	117	83

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



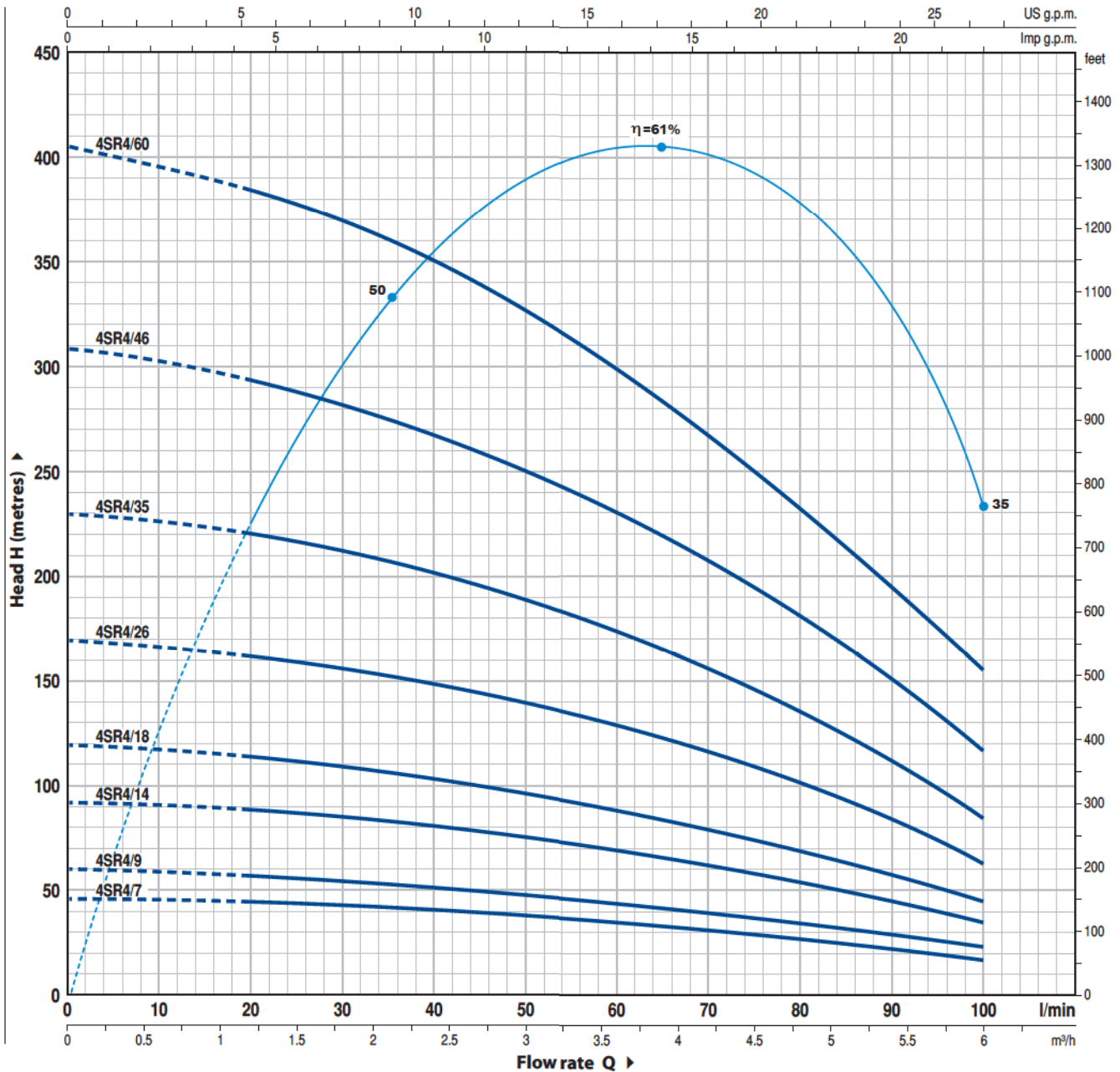
MODEL		POWER		Q	H metres						
Single-phase	Three-phase	kW	HP		0	0.6	1.2	1.8	2.4	3.0	3.6
4SR2m/7	4SR2/7	0.37	0.50	0	48	46	44	39	33	25	14
4SR2m/10	4SR2/10	0.55	0.75	0.6	70	68	63	57	48	36	20
4SR2m/13	4SR2/13	0.75	1	1.2	90	88	82	74	62	46	26
4SR2m/20	4SR2/20	1.1	1.5	1.8	135	130	122	111	93	71	39
4SR2m/27	4SR2/27	1.5	2	2.4	180	173	164	150	126	96	52
4SR2m/39	4SR2/39	2.2	3	3.0	260	250	238	216	183	138	75

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL		POWER		Q	H metres										
Single-phase	Three-phase	kW	HP		m ³ /h	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	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 App. A.