

4SR

4" submersible pumps

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



PERFORMANCE RANGE

- Flow rate up to **350 l/min** (21 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, **1.5 m** 4SR-FK
- for P₂ from 4 to 7.5 kW: **2.7 m** 4SR-PD, **3.0 m** 4SR-PS, **2.5 m** 4SR-FK

➡ 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 AND SAFETY



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

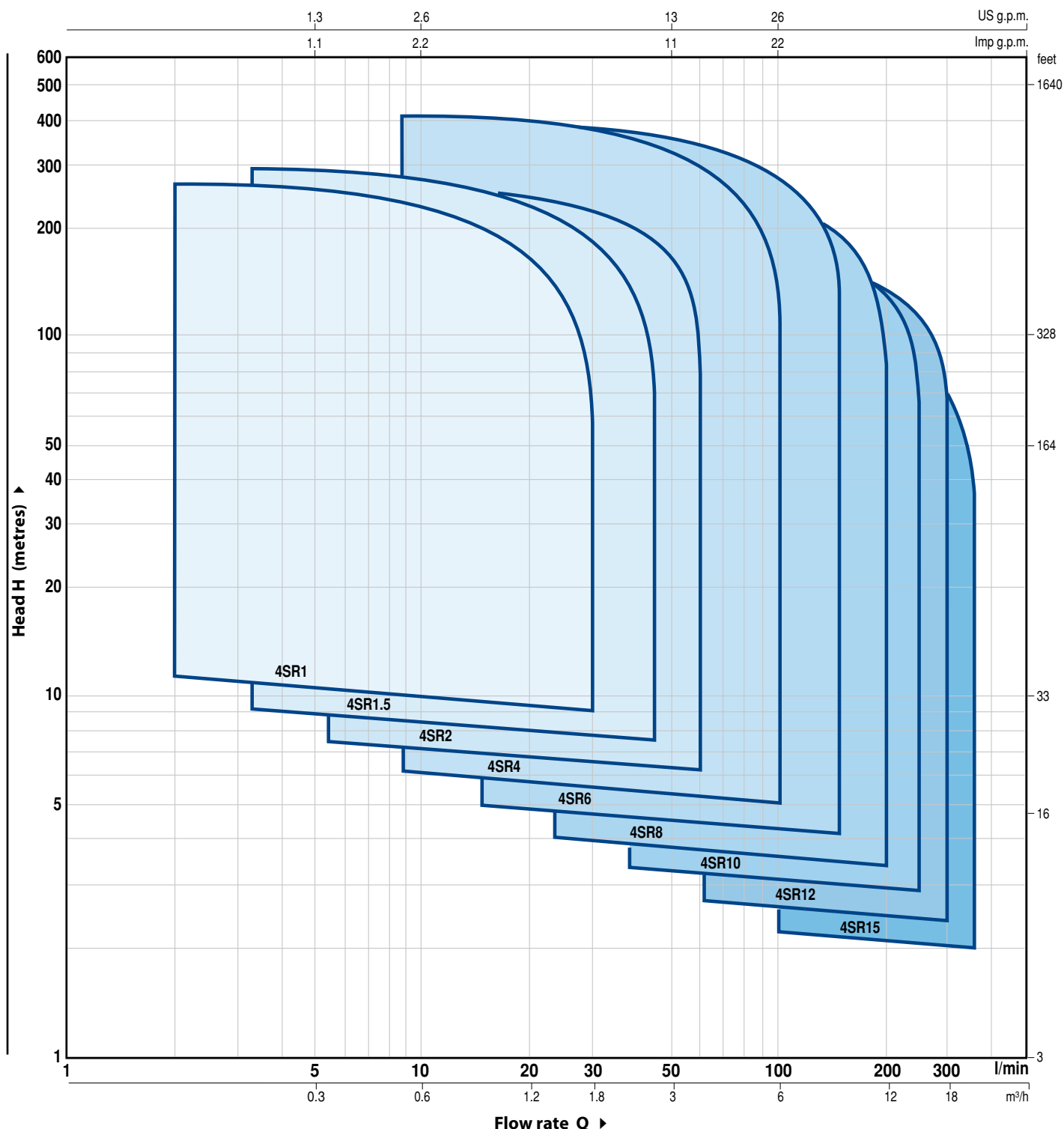
- Patent Pending n. PCT/EP2009/059855

OPTIONS AVAILABLE ON REQUEST

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

PERFORMANCE RANGE

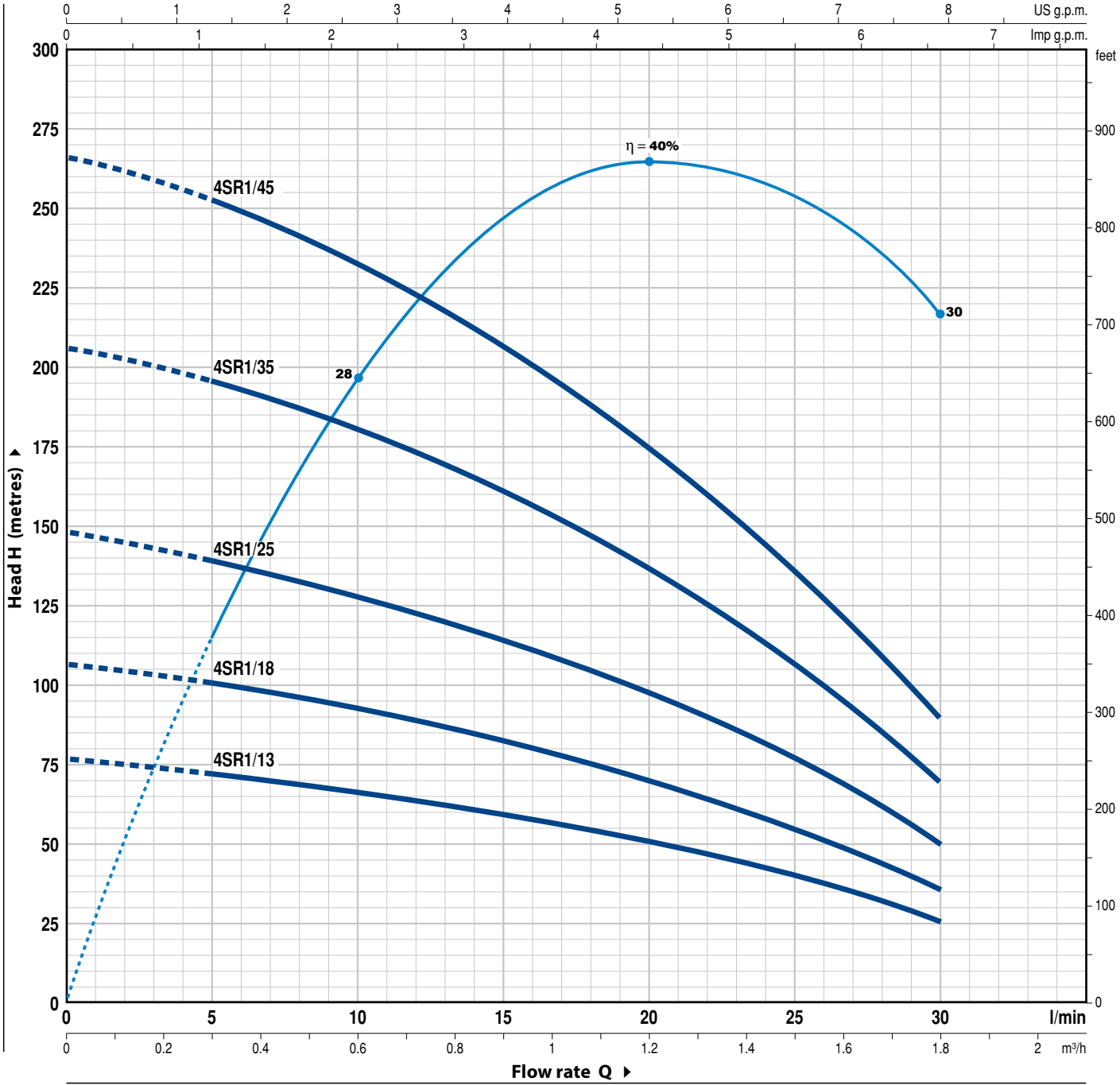
50 Hz n = 2900 rpm



NOMENCLATURE

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



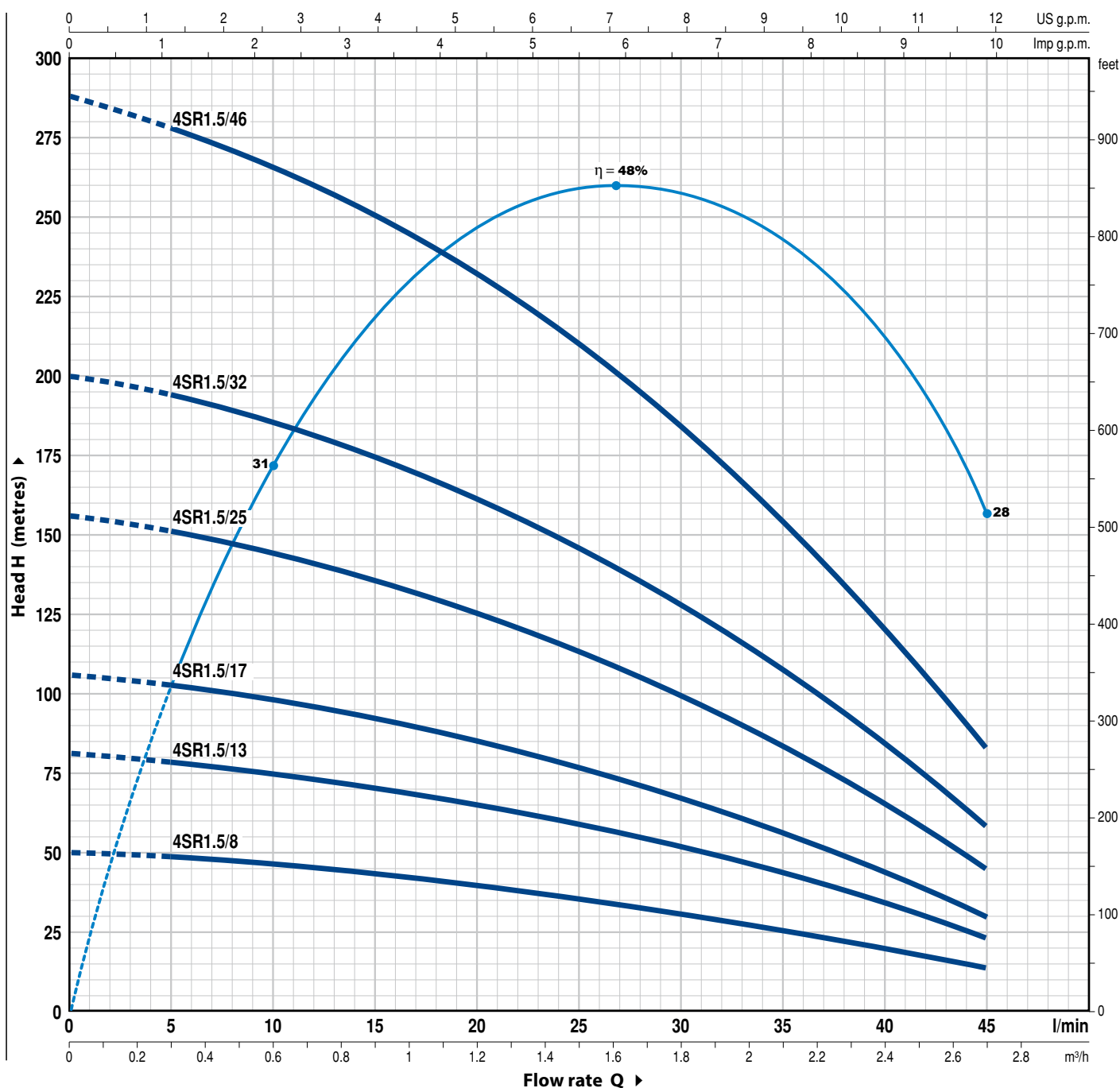
MODEL		POWER (P ₂)		Q	m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8
Single-phase	Three-phase	kW	HP		l/min	0	5	10	15	20	25	30
4SR1m/13	4SR1/13	0.37	0.50	H metres		77	73	67	60	51	40	26
4SR1m/18	4SR1/18	0.55	0.75			107	101	93	83	71	55	36
4SR1m/25	4SR1/25	0.75	1			148	140	129	115	98	77	50
4SR1m/35	4SR1/35	1.1	1.5			206	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 Grade 3B.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

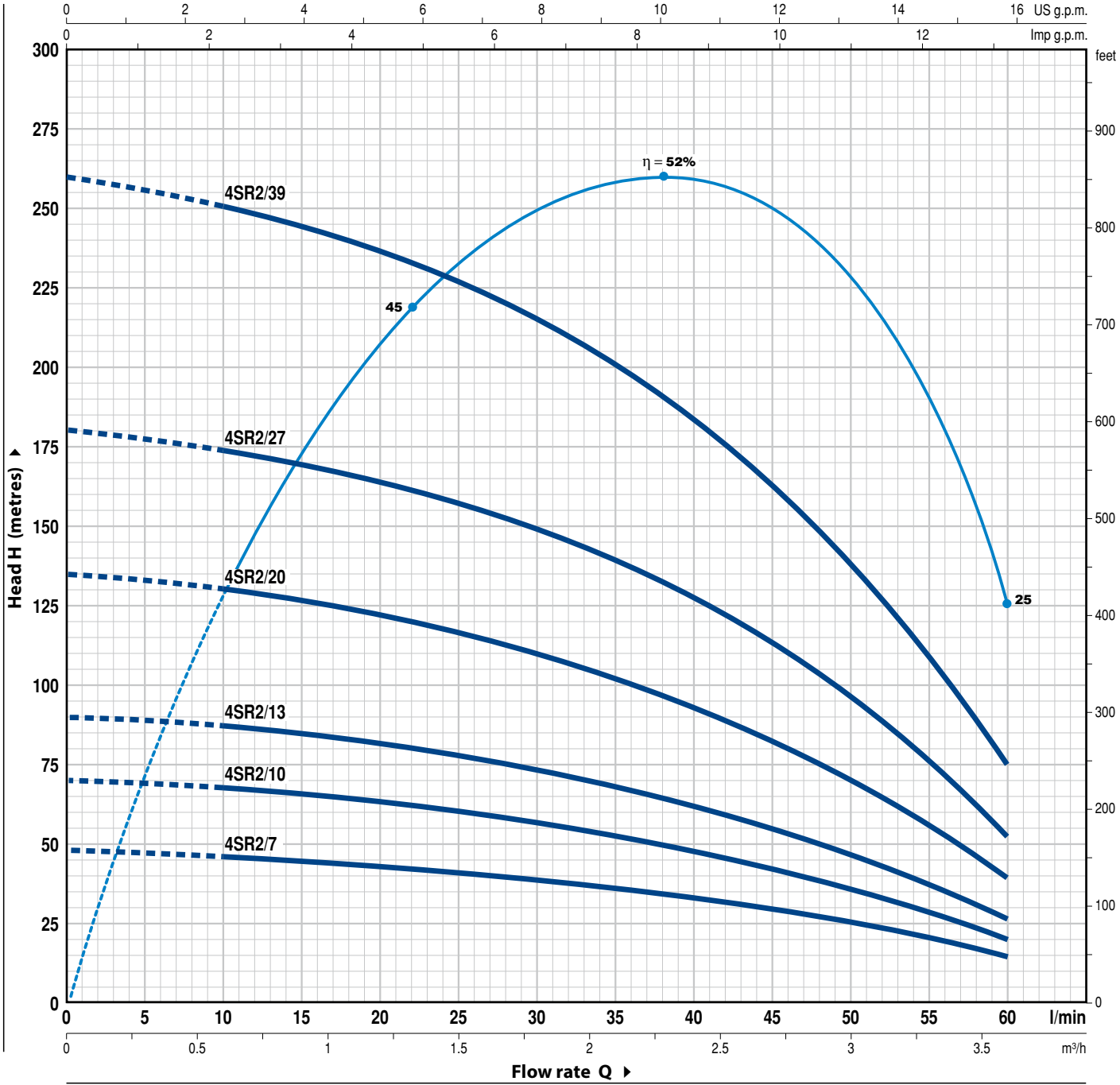
50 Hz n = 2900 rpm



MODEL		POWER P ₂		Q m ³ /h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
Single-phase	Three-phase	kW	HP		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
4SR1.5m/13	4SR1.5/13	0.55	0.75		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
4SR1.5m/25	4SR1.5/25	1.1	1.5		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
4SR1.5m/46	4SR1.5/46	2.2	3		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 Grade 3B.

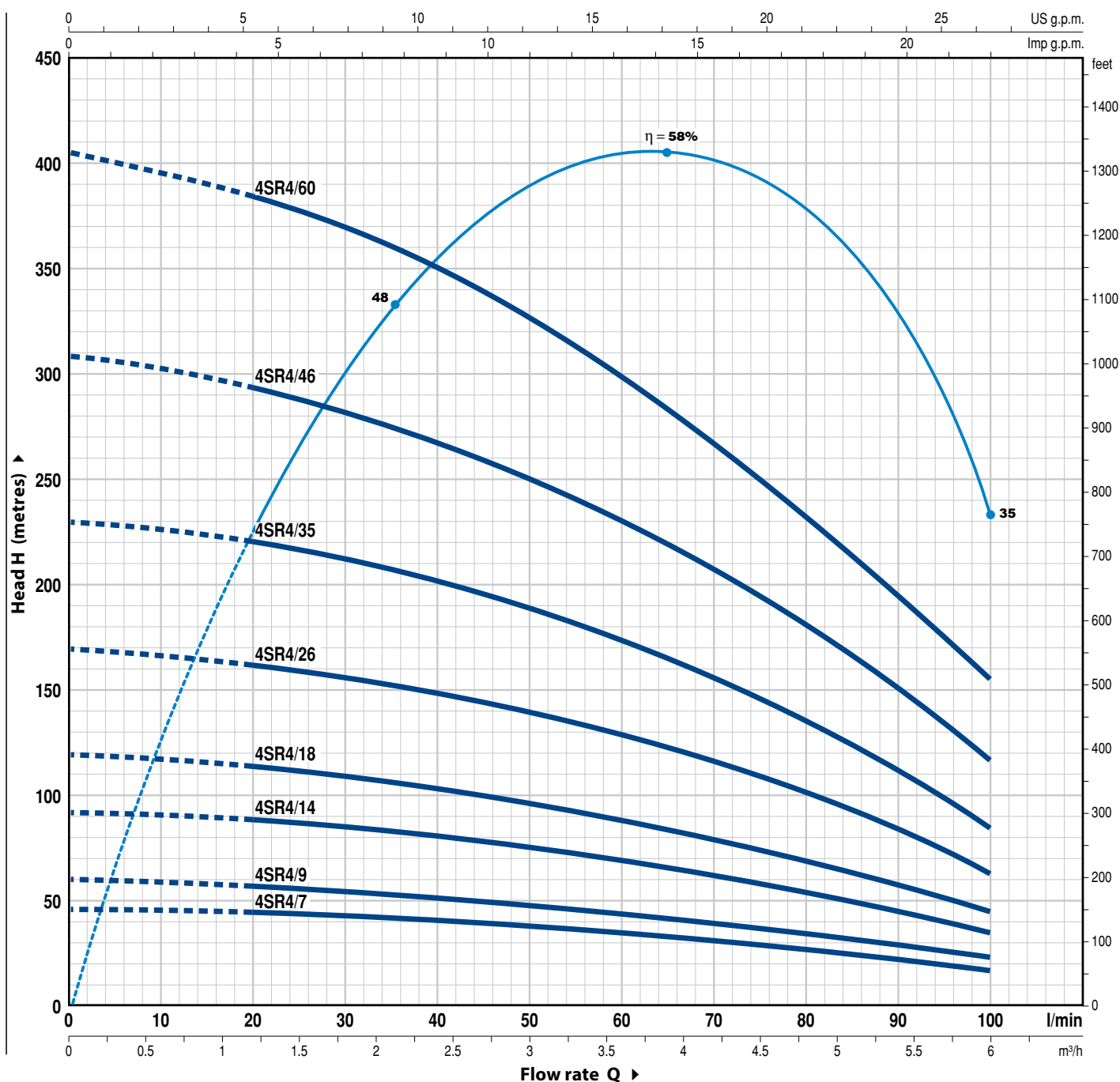


MODEL		POWER (P ₂)		Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6
Single-phase	Three-phase	kW	HP		l/min	0	10	20	30	40	50	60
4SR2m/7	4SR2/7	0.37	0.50	H metres	48	46	44	39	33	25	14	
4SR2m/10	4SR2/10	0.55	0.75		70	68	63	57	48	36	20	
4SR2m/13	4SR2/13	0.75	1		90	88	82	74	62	46	26	
4SR2m/20	4SR2/20	1.1	1.5		135	130	122	111	93	71	39	
4SR2m/27	4SR2/27	1.5	2		180	173	164	150	126	96	52	
4SR2m/39	4SR2/39	2.2	3		260	250	238	216	183	138	75	

Q = Flow rate H = Total manometric head Tolerance of characteristic curves in compliance with EN ISO 9906 Grade 3B.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 rpm



MODEL		POWER (P ₂)		Q m³/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

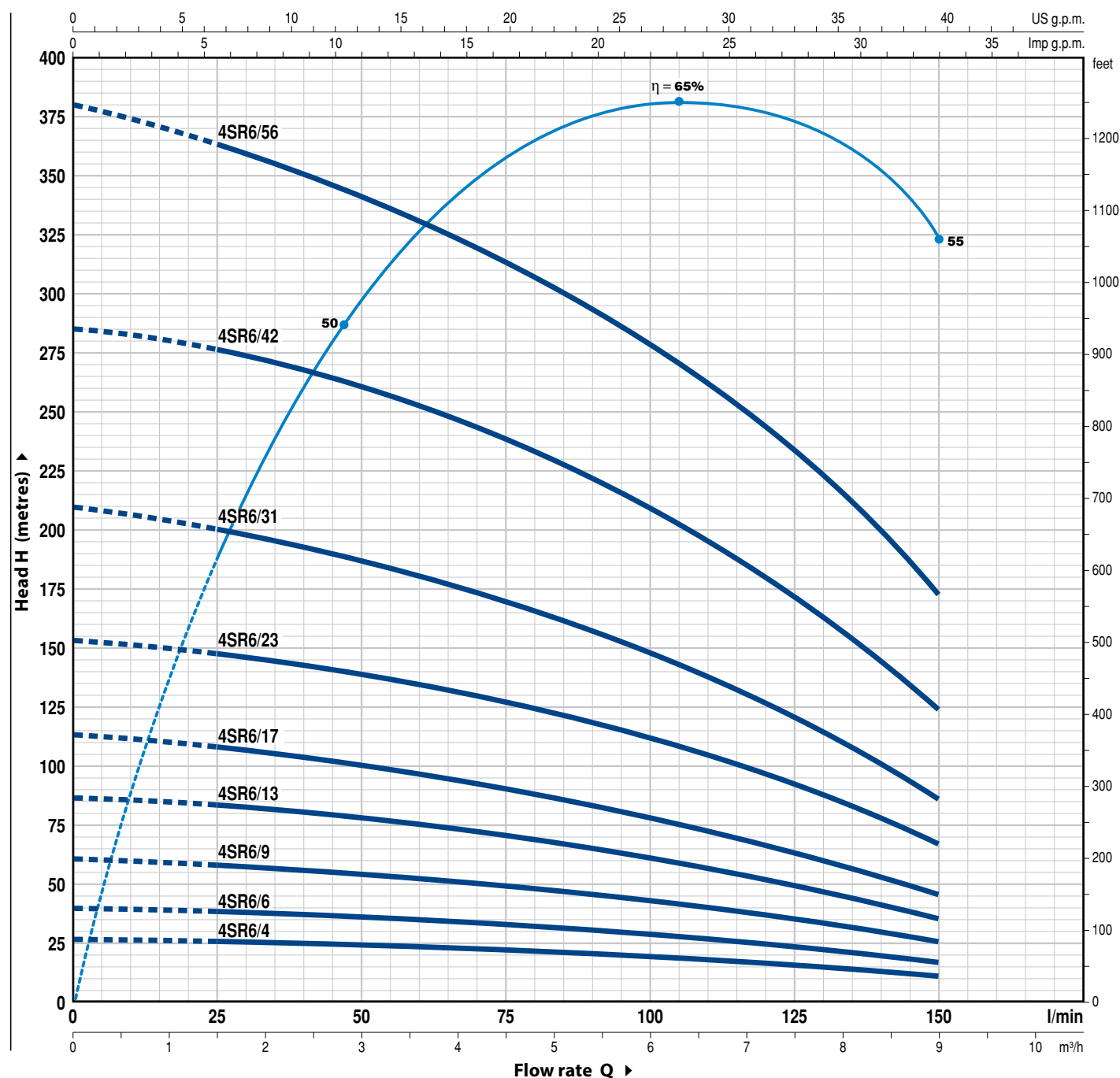
Q = Flow rate H = Total manometric head

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

4SR6

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm



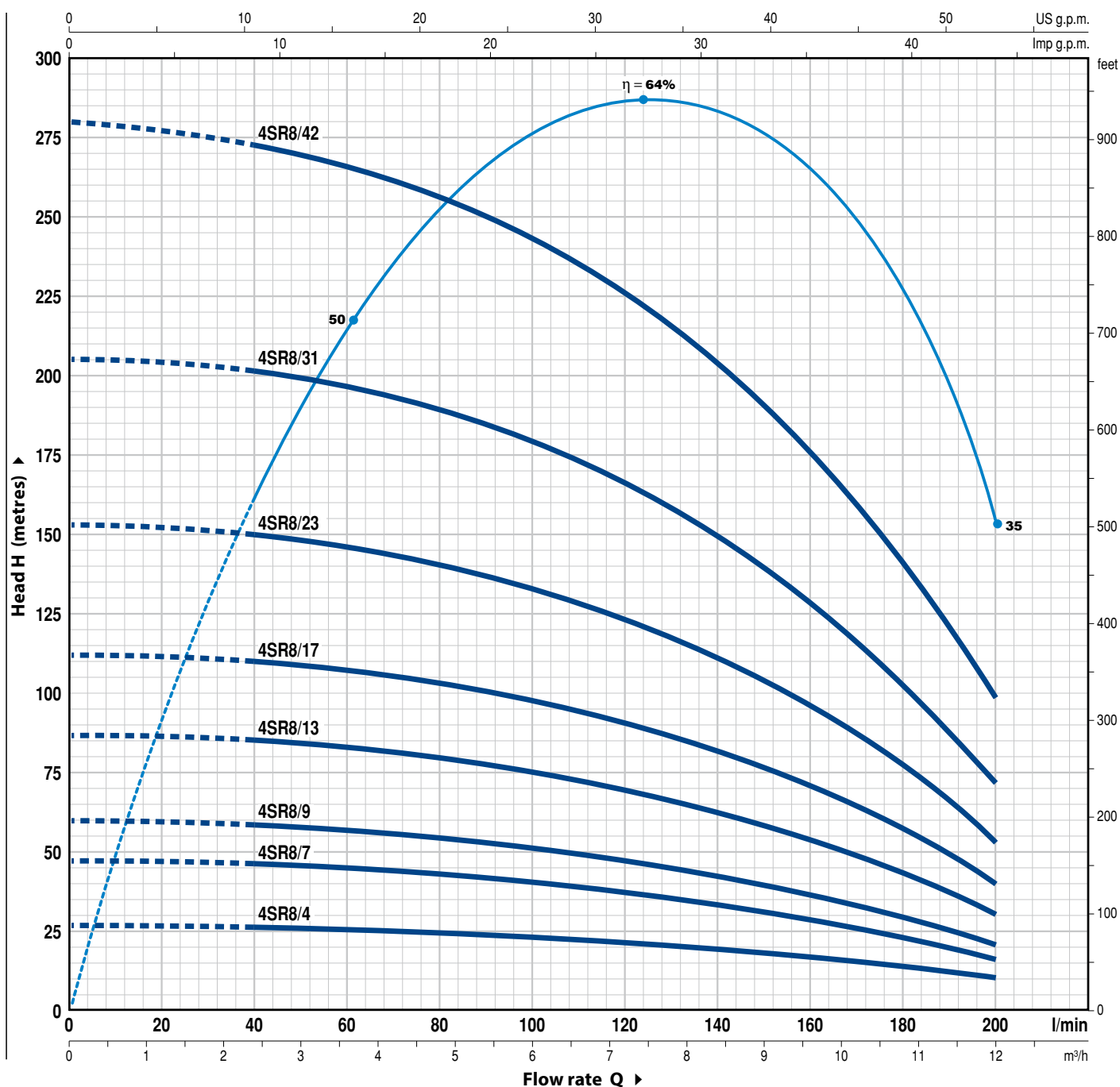
MODEL		POWER (P ₂)		Q	m³/h	0	1.5	3.0	4.5	6.0	7.5	9.0
Single-phase	Three-phase	kW	HP			0	25	50	75	100	125	150
4SR6m/4	4SR6/4	0.55	0.75	H metres	27	26	24	22	19	15	11	
4SR6m/6	4SR6/6	0.75	1		40	38	36	33	29	24	17	
4SR6m/9	4SR6/9	1.1	1.5		61	58	54	50	44	35	26	
4SR6m/13	4SR6/13	1.5	2		87	83	78	71	61	49	35	
4SR6m/17	4SR6/17	2.2	3		114	107	100	91	79	62	45	
–	4SR6/23	3	4		154	148	138	128	112	92	67	
–	4SR6/31	4	5.5		210	200	186	170	149	121	86	
–	4SR6/42	5.5	7.5		285	276	258	240	212	170	124	
–	4SR6/56	7.5	10		380	365	340	315	280	233	173	

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 rpm



MODEL		POWER (P ₂)		Q											
Single-phase	Three-phase	kW	HP		m³/h	0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0
					l/min	0	40	60	80	100	120	140	160	180	200
4SR8m/4	4SR8/4	0.75	1	H metres	27	26	25	24	23	22	20	17	13	10	
4SR8m/7	4SR8/7	1.1	1.5		47	46	45	43	41	38	34	29	23	16	
4SR8m/9	4SR8/9	1.5	2		60	58	57	55	52	48	43	37	30	21	
4SR8m/13	4SR8/13	2.2	3		87	85	83	80	76	70	63	54	43	30	
–	4SR8/17	3	4		112	110	108	104	99	92	82	70	56	40	
–	4SR8/23	4	5.5		153	150	146	141	134	124	111	95	76	53	
–	4SR8/31	5.5	7.5		205	200	196	190	181	167	149	128	103	72	
–	4SR8/42	7.5	10		280	272	266	257	244	225	202	175	140	98	

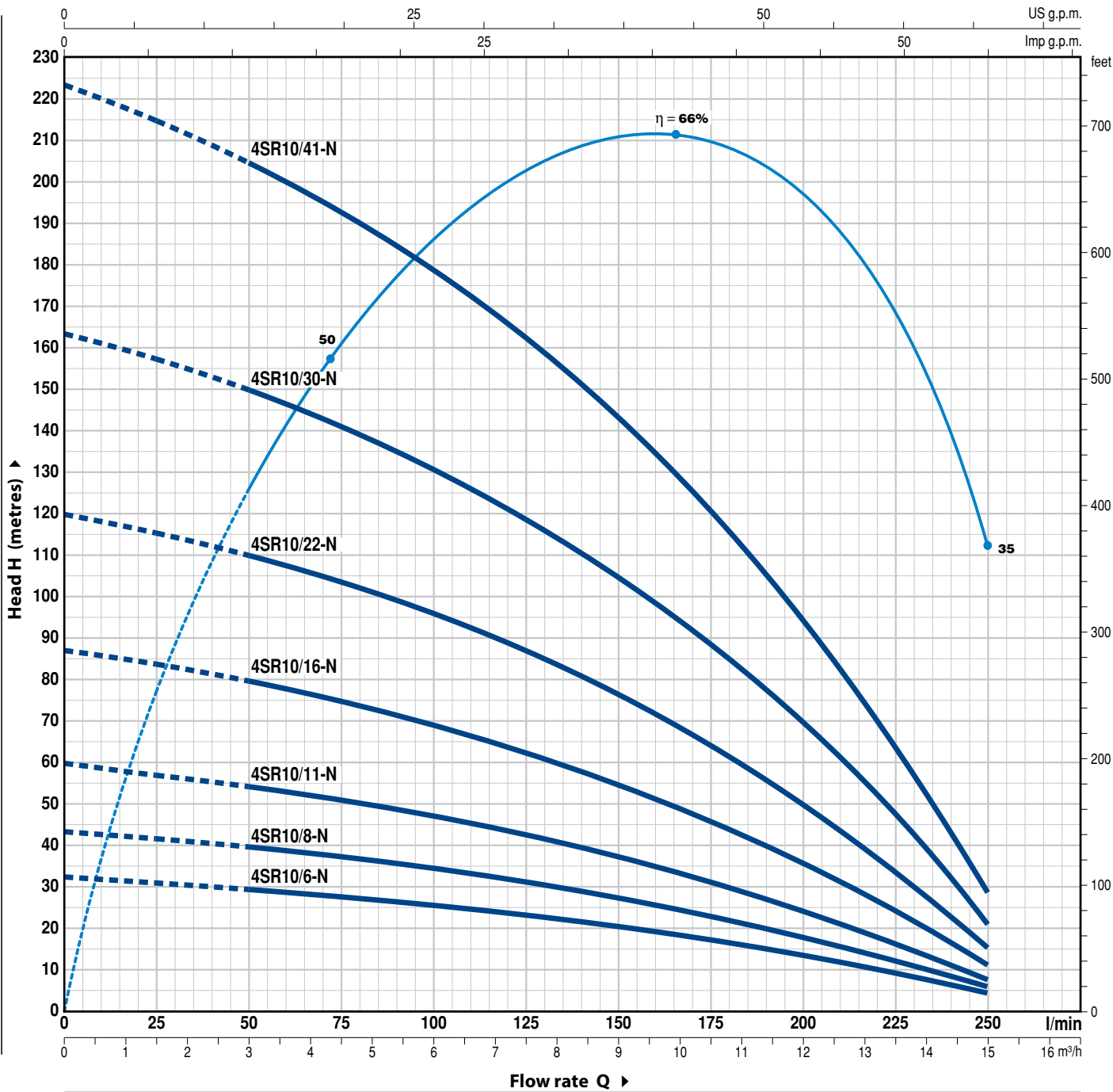
Q = Flow rate H = Total manometric head

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

4SR10

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm



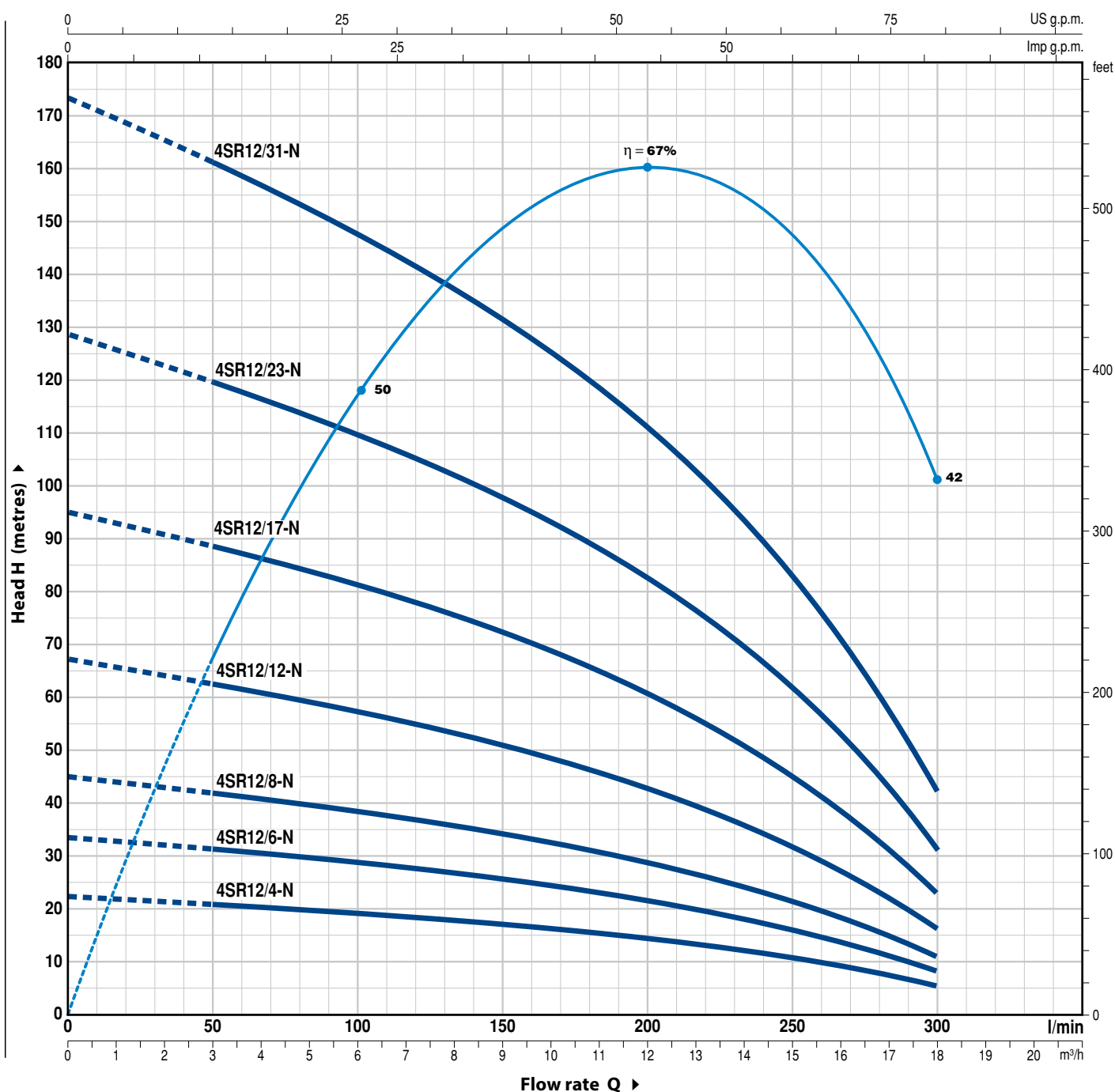
MODEL		POWER (P ₂)		Q	m ³ /h	0	3.0	6.0	7.5	9.0	10.5	12	13.5	15.0
Single-phase	Three-phase	kW	HP		l/min	0	50	100	125	150	175	200	225	250
4SR10m/6 -N	4SR10/6 -N	0.75	1	H metres	33	29	25	23	20.5	17	14	9	4	
4SR10m/8 -N	4SR10/8 -N	1.1	1.5		43	39	35	31	27.5	23	18.5	12	6	
4SR10m/11 -N	4SR10/11 -N	1.5	2		60	54	47	42	37.5	31	24.5	16	8	
4SR10m/16 -N	4SR10/16 -N	2.2	3		87	79	69	62	55	45	35.5	24	11	
–	4SR10/22 -N	3	4		120	110	96	87	76	64	50	33	15	
–	4SR10/30 -N	4	5.5		163	150	130	118	104.5	87	70	46	21	
–	4SR10/41 -N	5.5	7.5		223	205	178	162	143	120	95	63	29	

Q = Flow rate H = Total manometric head

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

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n = 2900 rpm



MODEL		POWER (P ₂)		Q	m ³ /h	0	3.0	6.0	9.0	12.0	13.2	14.4	15.6	16.8	18.0
Single-phase	Three-phase	kW	HP		l/min	0	50	100	150	200	220	240	260	280	300
4SR12m/4 -N	4SR12/4 -N	0.75	1	H metres	22	21	19	17	14.5	13	11.5	10	8	6	
4SR12m/6 -N	4SR12/6 -N	1.1	1.5		34	31	28.5	25	21.5	19.5	17	14.5	12	9	
4SR12m/8 -N	4SR12/8 -N	1.5	2		45	42	38	34	28	26	23.5	19.5	15.5	11	
4SR12m/12 -N	4SR12/12 -N	2.2	3		67	62	57	51	43	38.5	34	29	23	16	
–	4SR12/17 -N	3	4		95	88	81	72	61	54.5	48	41	33	23	
–	4SR12/23 -N	4	5.5		129	120	110	97	82.5	75	66	56	45	31	
–	4SR12/31 -N	5.5	7.5		173	162	147	131	111	101	89.5	76	60	42	

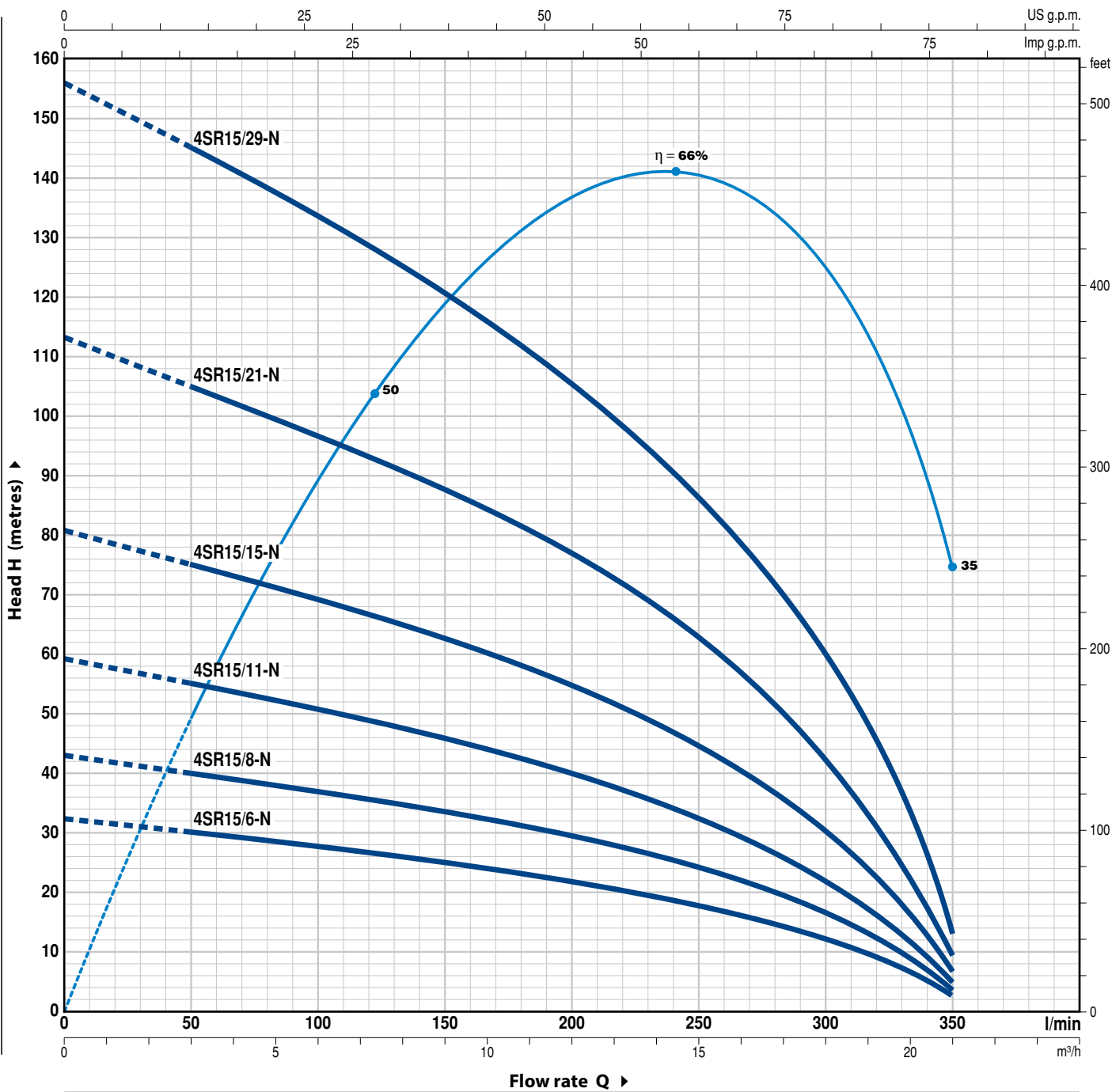
Q = Flow rate H = Total manometric head

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

4SR15

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 rpm



MODEL		POWER (P ₂)		Q	m ³ /h	0	3.0	6.0	9.0	12.0	15.0	18.0	19.5	21.0
Single-phase	Three-phase	kW	HP		l/min	0	50	100	150	200	250	300	325	350
4SR15m/6 -N	4SR15/6 -N	1.1	1.5	H metres	32	30	28	25	22	18	12	8	3	
4SR15m/8 -N	4SR15/8 -N	1.5	2		43	40	37	33.5	29.5	24	16	11	4	
4SR15m/11 -N	4SR15/11 -N	2.2	3		59	55	51	45.5	40	32.5	22	15	5	
–	4SR15/15 -N	3	4		81	75	69	62.5	55	44	30	20.5	7	
–	4SR15/21 -N	4	5.5		113	105	97	87	77	62.5	42	28	10	
–	4SR15/29 -N	5.5	7.5		156	145	133.5	121	105.5	86	60	40.5	13	

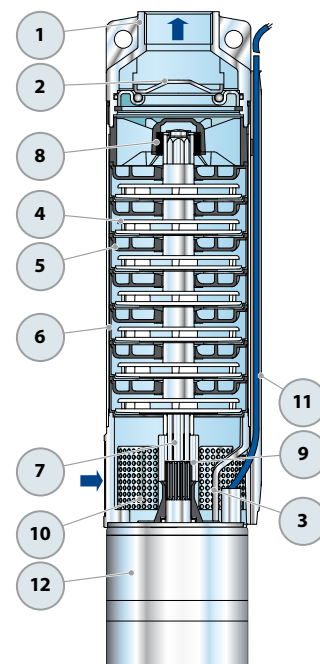
Q = Flow rate H = Total manometric head

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

POS. COMPONENT

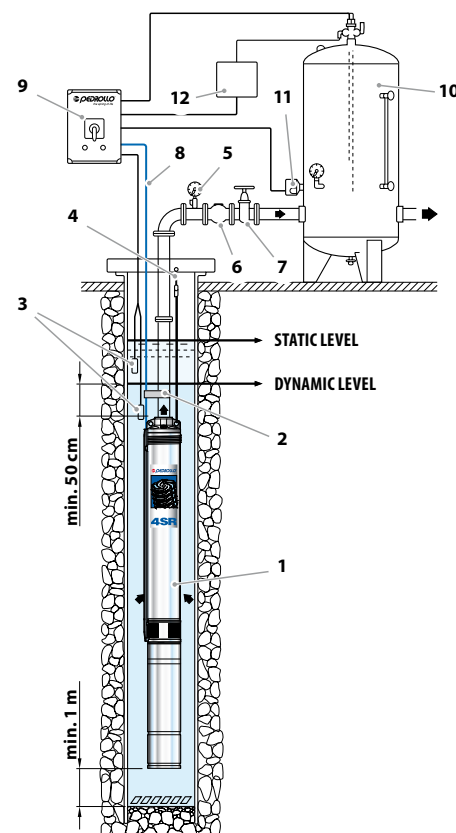
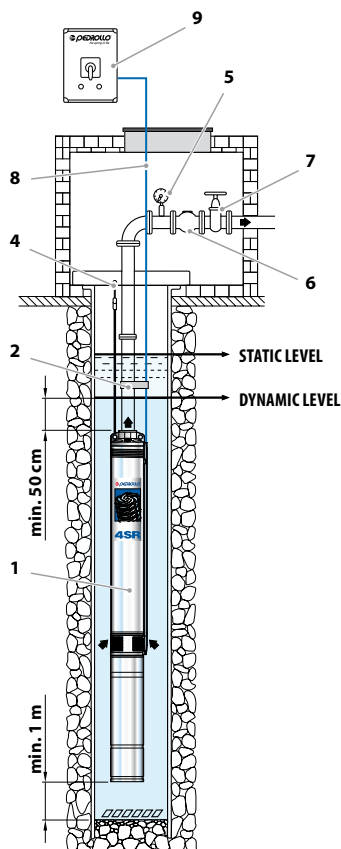
CONSTRUCTION CHARACTERISTICS

1 DELIVERY BODY	Precision cast stainless steel AISI 304 complete with threaded delivery port in compliance with ISO 228/1
2 NON-RETURN VALVE	Stainless steel AISI 304
3 MOTOR BRACKET	Stainless steel AISI 304 in compliance with NEMA standards
4 IMPELLER	Lexan 141-R for 4SR1-1.5-2-4-6-8 Noryl FE1520PW for 4SR10-12-15
5 DIFFUSER	Noryl FE1520PW
6 STAGE CASING	Stainless steel AISI 304
7 PUMP SHAFT	Stainless steel AISI 304
8 PUMP BEARINGS	Special technopolymer housing with stainless steel AISI 316, chrome oxide coated, sand resistant shaft bushing
9 DRIVE COUPLING	Stainless steel AISI 316L up to 2.2 kW; stainless steel AISI 304 for higher powers
10 FILTER	Stainless steel AISI 304
11 CABLE COVER	Stainless steel AISI 304
12 MOTOR 4"	4PD = "PEDROLLO" oil filled motor 4PS = "PEDROLLO" water filled motor 4FK = "FRANKLIN" water filled motor



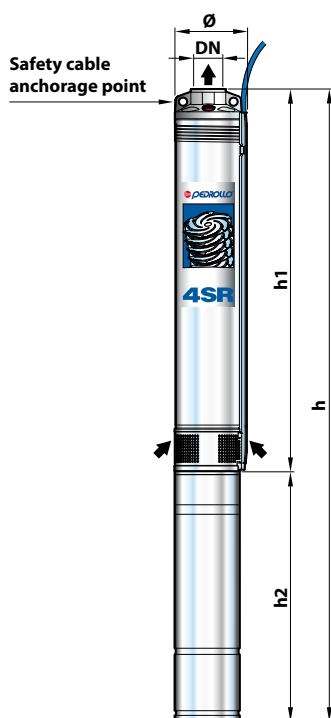
STANDARD INSTALLATION

- 1) Submersible pump
- 2) Power cable clamps
- 3) Level probes; prevent dry running
- 4) Bracket and anchorage cable
- 5) Pressure gauge
- 6) Non-return valve
- 7) Gate valve; for flow rate regulation
- 8) Power cable
- 9) Control box
- 10) Pressure vessel
- 11) Pressure switch
- 12) Electro valve/electro-compressor



- ➔ The **4SR** series pumps should be installed in boreholes of at least 4" (100 mm) in diameter. The pump should be lowered into the borehole, by means of the delivery pipe, to such a depth (min. 50 cm and at least one metres from the bottom) that it is completely immersed during operation when the level of water in the borehole may reduce. It is good practice to secure the pump by attaching a stainless steel cable to the anchorage points present on the delivery body.

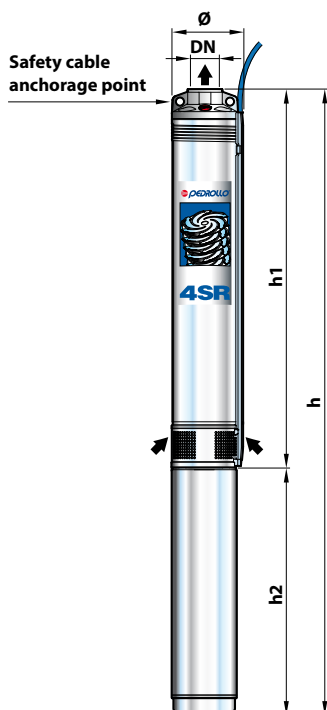
DIMENSIONS AND WEIGHT



MODEL	PORT	DIMENSIONS mm				kg
Single-phase	DN	Ø	h1	h2	h	1~
4SR1m/13 - PD	1½"	98	400	311	711	11.2
4SR1m/18 - PD			517	331	848	13.2
4SR1m/25 - PD			646	356	1002	15.9
4SR1m/35 - PD			856	386	1242	19.6
4SR1m/45 - PD			1065	436	1501	23.1
4SR1.5m/8 - PD			308	311	619	10.3
4SR1.5m/13 - PD			400	331	731	11.7
4SR1.5m/17 - PD			499	356	855	14.2
4SR1.5m/25 - PD			646	386	1032	17.5
4SR1.5m/32 - PD			800	436	1236	20.9
4SR1.5m/46 - PD			1134	481	1615	28.1
4SR2m/7 - PD			290	311	601	10.1
4SR2m/10 - PD			345	331	676	11.4
4SR2m/13 - PD			400	356	756	13.3
4SR2m/20 - PD			554	386	940	16.6
4SR2m/27 - PD			683	436	1119	19.5
4SR2m/39 - PD			929	481	1410	25.4
4SR4m/7 - PD			314	331	645	11.0
4SR4m/9 - PD			358	356	714	12.8
4SR4m/14 - PD			468	386	854	15.6
4SR4m/18 - PD			580	436	1016	18.3
4SR4m/26 - PD	2"	98	756	481	1237	23.2
4SR6m/4 - PD			281	331	612	10.9
4SR6m/6 - PD			341	356	697	12.5
4SR6m/9 - PD			431	386	817	15.0
4SR6m/13 - PD			576	436	1012	17.8
4SR6m/17 - PD			695	481	1176	22.2
4SR8m/4 - PD			281	356	637	12.0
4SR8m/7 - PD			371	386	757	14.4
4SR8m/9 - PD			431	436	867	16.4
4SR8m/13 - PD			576	481	1057	21.0
4SR10m/6 -N - PD			616	356	972	14.0
4SR10m/8 -N - PD			762	386	1148	16.9
4SR10m/11 -N - PD			981	436	1417	20.2
4SR10m/16 -N - PD			1346	481	1827	26.4
4SR12m/4 -N - PD			470	356	826	12.4
4SR12m/6 -N - PD			616	386	1002	15.7
4SR12m/8 -N - PD			762	436	1198	18.4
4SR12m/12 -N - PD			1054	481	1535	24.0
4SR15m/6 -N - PD			616	386	1002	15.7
4SR15m/8 -N - PD			762	436	1198	18.4
4SR15m/11 -N - PD			981	481	1462	23.4

MODEL	PORT	DIMENSIONS mm				kg
Three-phase	DN	Ø	h1	h2	h	3~
4SR1/13 - PD	1½"	98	400	311	711	11.2
4SR1/18 - PD			517	331	848	13.2
4SR1/25 - PD			646	356	1002	15.9
4SR1/35 - PD			856	371	1227	18.8
4SR1/45 - PD			1065	386	1451	21.6
4SR1.5/8 - PD			308	311	619	10.3
4SR1.5/13 - PD			400	331	731	11.7
4SR1.5/17 - PD			499	356	855	14.2
4SR1.5/25 - PD			646	371	1017	16.7
4SR1.5/32 - PD			800	386	1186	19.4
4SR1.5/46 - PD			1134	436	1570	24.9
4SR2/7 - PD			290	311	601	10.1
4SR2/10 - PD			345	331	676	11.4
4SR2/13 - PD			400	356	756	13.3
4SR2/20 - PD			554	371	925	15.8
4SR2/27 - PD			683	386	1069	18.0
4SR2/39 - PD			929	436	1365	22.2
4SR4/7 - PD			314	331	645	11.0
4SR4/9 - PD			358	356	714	12.8
4SR4/14 - PD			468	371	839	14.8
4SR4/18 - PD			580	386	966	16.8
4SR4/26 - PD	2"	98	756	436	1192	20.0
4SR4/35 - PD			978	505	1483	25.7
4SR4/46 - PD			1295	610	1905	35.1
4SR4/60 - PD			1652	700	2352	44.1
4SR6/4 - PD			281	331	612	10.9
4SR6/6 - PD			341	356	697	12.5
4SR6/9 - PD			431	371	802	14.2
4SR6/13 - PD			576	386	962	16.3
4SR6/17 - PD			695	436	1131	19.0
4SR6/23 - PD			900	505	1405	24.3
4SR6/31 - PD			1164	610	1774	31.7
4SR6/42 - PD			1519	700	2219	40.4
4SR6/56 - PD			2063	800	2863	51.0
4SR8/4 - PD			281	356	637	12.0
4SR8/7 - PD			371	371	742	13.6
4SR8/9 - PD			431	386	817	14.9
4SR8/13 - PD			576	436	1012	17.8
4SR8/17 - PD			695	505	1200	22.2
4SR8/23 - PD			900	610	1510	29.4
4SR8/31 - PD			1164	700	1864	36.5
4SR8/42 - PD			1519	800	2319	43.9
4SR10/6 -N - PD			616	356	972	14.0
4SR10/8 -N - PD			762	371	1133	16.1
4SR10/11 -N - PD			981	386	1367	18.7
4SR10/16 -N - PD			1346	436	1782	23.2
4SR10/22 -N - PD			1784	505	2289	30.0
4SR10/30 -N - PD			2368	610	2978	40.1
4SR10/41 -N - PD			3171	700	3871	51.2
4SR12/4 -N - PD			470	356	826	12.4
4SR12/6 -N - PD			616	371	987	14.9
4SR12/8 -N - PD			762	386	1148	16.9
4SR12/12 -N - PD			1054	436	1490	20.8
4SR12/17 -N - PD			1419	505	1924	27.0
4SR12/23 -N - PD			1857	610	2467	35.7
4SR12/31 -N - PD			2441	700	3141	45.1
4SR15/6 -N - PD			616	371	987	14.9
4SR15/8 -N - PD			762	386	1148	16.9
4SR15/11 -N - PD			981	436	1417	20.2
4SR15/15 -N - PD			1273	505	1778	25.9
4SR15/21 -N - PD			1711	610	2321	34.5
4SR15/29 -N - PD			2295	700	2995	43.9

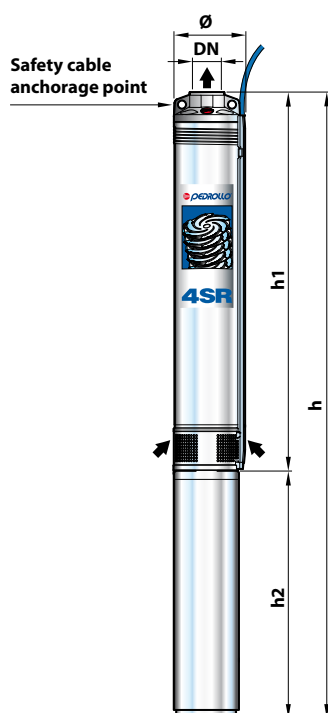
DIMENSIONS AND WEIGHT



MODEL	PORT	DIMENSIONS mm				kg
Single-phase	DN	Ø	h1	h2	h	1~
4SR1m/13 - PS	1 1/4"	98	400	237	637	11.5
4SR1m/18 - PS			517	257	774	13.9
4SR1m/25 - PS			646	272	918	16.5
4SR1m/35 - PS			856	312	1168	20.6
4SR1m/45 - PS			1065	352	1417	24.8
4SR1.5m/8 - PS			308	237	545	10.6
4SR1.5m/13 - PS			400	257	657	12.4
4SR1.5m/17 - PS			499	272	771	14.8
4SR1.5m/25 - PS			646	312	958	18.5
4SR1.5m/32 - PS			800	352	1152	22.6
4SR1.5m/46 - PS			1134	402	1536	27.4
4SR2m/7 - PS			290	237	527	10.4
4SR2m/10 - PS			345	257	602	12.1
4SR2m/13 - PS			400	272	672	13.9
4SR2m/20 - PS			554	312	866	17.6
4SR2m/27 - PS			683	352	1035	21.2
4SR2m/39 - PS			929	402	1331	24.7
4SR4m/7 - PS			314	257	571	11.7
4SR4m/9 - PS			358	272	630	13.4
4SR4m/14 - PS			468	312	780	16.6
4SR4m/18 - PS			580	352	932	20.0
4SR4m/26 - PS			756	402	1158	22.5
4SR6m/4 - PS	2"	98	281	257	538	11.6
4SR6m/6 - PS			341	272	613	13.1
4SR6m/9 - PS			431	312	743	16.0
4SR6m/13 - PS			576	352	928	19.5
4SR6m/17 - PS			695	402	1097	21.5
4SR8m/4 - PS			281	272	553	12.6
4SR8m/7 - PS			371	312	683	15.4
4SR8m/9 - PS			431	352	783	18.1
4SR8m/13 - PS			576	402	978	20.3
4SR10m/6 - N - PS			616	272	888	14.6
4SR10m/8 - N - PS			762	312	1074	17.9
4SR10m/11 - N - PS			981	352	1333	21.9
4SR10m/16 - N - PS			1346	402	1748	25.7
4SR12m/4 - N - PS			470	272	742	13.0
4SR12m/6 - N - PS			616	312	928	16.7
4SR12m/8 - N - PS			762	352	1114	20.1
4SR12m/12 - N - PS			1054	402	1456	23.3
4SR15m/6 - N - PS			616	312	928	16.7
4SR15m/8 - N - PS			762	352	1114	20.1
4SR15m/11 - N - PS			981	402	1383	22.7

MODEL	PORT	DIMENSIONS mm				kg
Three-phase	DN	Ø	h1	h2	h	3~
4SR1/13 - PS	1 1/4"	98	400	237	637	11.5
4SR1/18 - PS			517	237	754	12.8
4SR1/25 - PS			646	257	903	15.3
4SR1/35 - PS			856	272	1128	18.5
4SR1/45 - PS			1065	297	1362	22.6
4SR1.5/8 - PS			308	237	545	10.6
4SR1.5/13 - PS			400	237	637	11.3
4SR1.5/17 - PS			499	257	756	13.6
4SR1.5/25 - PS			646	272	918	16.4
4SR1.5/32 - PS			800	297	1097	20.4
4SR1.5/46 - PS			1134	352	1486	26.6
4SR2/7 - PS			290	237	527	10.4
4SR2/10 - PS			345	237	582	11.0
4SR2/13 - PS			400	257	657	12.7
4SR2/20 - PS			554	272	826	15.5
4SR2/27 - PS			683	297	980	19.0
4SR2/39 - PS			929	352	1281	23.9
4SR4/7 - PS			314	237	551	10.6
4SR4/9 - PS			358	257	615	12.2
4SR4/14 - PS			468	272	740	14.5
4SR4/18 - PS			580	297	877	17.8
4SR4/26 - PS			756	352	1108	21.7
4SR4/35 - PS			978	418	1396	27.6
4SR4/46 - PS			1295	574	1869	38.4
4SR4/60 - PS			1652	664	2316	47.2
4SR6/4 - PS	2"	98	281	237	518	10.5
4SR6/6 - PS			341	257	598	11.9
4SR6/9 - PS			431	272	703	13.9
4SR6/13 - PS			576	297	873	17.3
4SR6/17 - PS			695	352	1047	20.7
4SR6/23 - PS			900	418	1318	26.2
4SR6/31 - PS			1164	574	1738	35.0
4SR6/42 - PS			1519	664	2183	43.5
4SR6/56 - PS			2063	764	2827	53.4
4SR8/4 - PS			281	257	538	11.4
4SR8/7 - PS			371	272	643	13.3
4SR8/9 - PS			431	297	728	15.9
4SR8/13 - PS			576	352	928	19.5
4SR8/17 - PS			695	418	1113	24.1
4SR8/23 - PS			900	574	1474	32.7
4SR8/31 - PS			1164	664	1828	39.6
4SR8/42 - PS			1519	764	2283	46.3
4SR10/6 - N - PS			616	257	873	13.4
4SR10/8 - N - PS			762	272	1034	15.8
4SR10/11 - N - PS			981	297	1278	19.7
4SR10/16 - N - PS			1346	352	1698	24.9
4SR10/22 - N - PS			1784	418	2202	31.9
4SR10/30 - N - PS			2368	574	2942	43.4
4SR10/41 - N - PS			3171	664	3835	54.3
4SR12/4 - N - PS			470	257	727	11.8
4SR12/6 - N - PS			616	272	888	14.6
4SR12/8 - N - PS			762	297	1059	17.9
4SR12/12 - N - PS			1054	352	1406	22.5
4SR12/17 - N - PS			1419	418	1837	28.9
4SR12/23 - N - PS			1857	574	2431	39.0
4SR12/31 - N - PS			2441	664	3105	48.2
4SR15/6 - N - PS			616	272	888	14.6
4SR15/8 - N - PS			762	297	1059	17.9
4SR15/11 - N - PS			981	352	1333	21.9
4SR15/15 - N - PS			1273	418	1691	27.8
4SR15/21 - N - PS			1711	574	2285	37.8
4SR15/29 - N - PS			2295	664	2959	47.0

DIMENSIONS AND WEIGHT



MODEL	PORT	DIMENSIONS mm				kg
Single-phase	DN	Ø	h1	h2	h	1~
4SR1m/13 - FK	1 1/4"	98	400	228	628	12.7
4SR1m/18 - FK			517	253	770	15.2
4SR1m/25 - FK			646	283	929	17.8
4SR1m/35 - FK			856	307	1163	21.2
4SR1m/45 - FK			1065	339	1404	24.3
4SR1.5m/8 - FK			308	228	536	11.8
4SR1.5m/13 - FK			400	253	653	13.7
4SR1.5m/17 - FK			499	283	782	16.1
4SR1.5m/25 - FK			646	307	953	19.1
4SR1.5m/32 - FK			800	339	1139	22.1
4SR1.5m/46 - FK			1134	437	1571	30.5
4SR2m/7 - FK			290	228	518	11.6
4SR2m/10 - FK			345	253	598	13.4
4SR2m/13 - FK			400	283	683	15.2
4SR2m/20 - FK			554	307	861	18.2
4SR2m/27 - FK			683	339	1022	20.7
4SR2m/39 - FK			929	437	1366	27.8
4SR4m/7 - FK			314	253	567	13.0
4SR4m/9 - FK			358	283	641	14.7
4SR4m/14 - FK			468	307	775	17.2
4SR4m/18 - FK			580	339	919	19.5
4SR4m/26 - FK			756	437	1193	25.6
4SR6m/4 - FK	2"	98	281	253	534	12.9
4SR6m/6 - FK			341	283	624	14.4
4SR6m/9 - FK			431	307	738	16.6
4SR6m/13 - FK			576	339	915	19.0
4SR6m/17 - FK			695	437	1132	24.6
4SR8m/4 - FK			281	283	564	13.9
4SR8m/7 - FK			371	307	678	16.0
4SR8m/9 - FK			431	339	770	17.6
4SR8m/13 - FK			576	437	1013	23.4
4SR10m/6 -N - FK			616	283	899	15.9
4SR10m/8 -N - FK			762	307	1069	18.5
4SR10m/11 -N - FK			981	339	1320	21.4
4SR10m/16 -N - FK			1346	437	1783	28.8
4SR12m/4 -N - FK			470	283	753	14.3
4SR12m/6 -N - FK			616	307	923	17.3
4SR12m/8 -N - FK			762	339	1101	19.6
4SR12m/12 -N - FK			1054	437	1491	26.4
4SR15m/6 -N - FK			616	307	923	17.3
4SR15m/8 -N - FK			762	339	1101	19.6
4SR15m/11 -N - FK			981	437	1418	25.8

MODEL	PORT	DIMENSIONS mm				kg
Three-phase	DN	Ø	h1	h2	h	3~
4SR1/13 - FK	1 1/4"	98	400	214	614	11.9
4SR1/18 - FK			517	228	745	13.7
4SR1/25 - FK			646	248	894	16.1
4SR1/35 - FK			856	283	1139	19.6
4SR1/45 - FK			1065	307	1372	22.6
4SR1.5/8 - FK			308	214	522	11.0
4SR1.5/13 - FK			400	228	628	12.2
4SR1.5/17 - FK			499	248	747	14.4
4SR1.5/25 - FK			646	283	929	17.5
4SR1.5/32 - FK			800	307	1107	20.4
4SR1.5/46 - FK			1134	339	1473	25.8
4SR2/7 - FK			290	214	504	10.8
4SR2/10 - FK			345	228	573	11.9
4SR2/13 - FK			400	248	648	13.5
4SR2/20 - FK			554	283	837	16.6
4SR2/27 - FK			683	307	990	19.0
4SR2/39 - FK			929	339	1268	23.1
4SR4/7 - FK			314	228	542	11.5
4SR4/9 - FK			358	248	606	13.0
4SR4/14 - FK			468	283	751	15.6
4SR4/18 - FK			580	307	887	17.8
4SR4/26 - FK	2"	98	756	339	1095	20.9
4SR4/35 - FK			978	394	1372	25.7
4SR4/46 - FK			1295	543	1838	35.0
4SR4/60 - FK			1652	693	2345	46.0
4SR6/4 - FK			281	228	509	11.4
4SR6/6 - FK			341	248	589	12.7
4SR6/9 - FK			431	283	714	15.0
4SR6/13 - FK			576	307	883	17.3
4SR6/17 - FK			695	339	1034	19.9
4SR6/23 - FK			900	394	1294	24.3
4SR6/31 - FK			1164	543	1707	31.6
4SR6/42 - FK			1519	693	2212	42.3
4SR6/56 - FK			2063	731	2794	52.6
4SR8/4 - FK			281	248	529	12.2
4SR8/7 - FK			371	283	654	14.4
4SR8/9 - FK			431	307	738	15.9
4SR8/13 - FK			576	339	915	18.7
4SR8/17 - FK			695	394	1089	22.2
4SR8/23 - FK			900	543	1443	29.3
4SR8/31 - FK			1164	693	1857	38.4
4SR8/42 - FK			1519	731	2250	45.5
4SR10/6 -N - FK			616	248	864	14.2
4SR10/8 -N - FK			762	283	1045	16.9
4SR10/11 -N - FK			981	307	1288	19.7
4SR10/16 -N - FK			1346	339	1685	24.1
4SR10/22 -N - FK			1784	394	2178	30.0
4SR10/30 -N - FK			2368	543	2911	40.0
4SR10/41 -N - FK			3171	693	3864	53.1
4SR12/4 -N - FK			470	248	718	12.6
4SR12/6 -N - FK			616	283	899	15.7
4SR12/8 -N - FK			762	307	1069	17.9
4SR12/12 -N - FK			1054	339	1393	21.7
4SR12/17 -N - FK			1419	394	1813	27.0
4SR12/23 -N - FK			1857	543	2400	35.6
4SR12/31 -N - FK			2441	693	3134	47.0
4SR15/6 -N - FK			616	283	899	15.7
4SR15/8 -N - FK			762	307	1069	17.9
4SR15/11 -N - FK			981	339	1320	21.1
4SR15/15 -N - FK			1273	394	1667	25.9
4SR15/21 -N - FK			1711	543	2254	34.4
4SR15/29 -N - FK			2295	693	2988	45.8

DIMENSIONS AND WEIGHT (PUMP ONLY)



MODEL	PORT	DIMENSIONS mm			kg
Pump	DN	Ø	h1	h	
4SR1/13 - HYD	1 1/4"	98	400	403	4.7
4SR1/18 - HYD			517	520	6
4SR1/25 - HYD			646	649	7.4
4SR1/35 - HYD			856	859	9.4
4SR1/45 - HYD			1065	1068	11.4
4SR1.5/8 - HYD			308	311	3.8
4SR1.5/13 - HYD			400	403	4.5
4SR1.5/17 - HYD			499	502	5.7
4SR1.5/25 - HYD			646	649	7.3
4SR1.5/32 - HYD			800	803	9.2
4SR1.5/46 - HYD			1134	1137	13.2
4SR2/7 - HYD			290	293	3.6
4SR2/10 - HYD			345	348	4.2
4SR2/13 - HYD			400	403	4.8
4SR2/20 - HYD			554	557	6.4
4SR2/27 - HYD			683	686	7.8
4SR2/39 - HYD			929	932	10.5
4SR4/7 - HYD			314	317	3.8
4SR4/9 - HYD			358	361	4.3
4SR4/14 - HYD			468	471	5.4
4SR4/18 - HYD			580	583	6.6
4SR4/26 - HYD			756	759	8.3
4SR4/35 - HYD			978	981	10.7
4SR4/46 - HYD			1295	1298	15.0
4SR4/60 - HYD			1652	1655	19.4
4SR6/4 - HYD	2"	98	281	284	3.7
4SR6/6 - HYD			341	344	4.0
4SR6/9 - HYD			431	434	4.8
4SR6/13 - HYD			576	579	6.1
4SR6/17 - HYD			695	698	7.3
4SR6/23 - HYD			900	903	9.3
4SR6/31 - HYD			1164	1167	11.6
4SR6/42 - HYD			1519	1522	15.7
4SR6/56 - HYD			2063	2066	22.0
4SR8/4 - HYD			281	284	3.5
4SR8/7 - HYD			371	374	4.2
4SR8/9 - HYD			431	434	4.7
4SR8/13 - HYD			576	579	6.1
4SR8/17 - HYD			695	698	7.2
4SR8/23 - HYD			900	903	9.3
4SR8/31 - HYD			1164	1167	11.8
4SR8/42 - HYD			1519	1522	14.9
4SR10/6 -N - HYD			616	619	5.5
4SR10/8 -N - HYD			762	765	6.7
4SR10/11 -N - HYD			981	984	8.5
4SR10/16 -N - HYD			1346	1349	11.5
4SR10/22 -N - HYD			1784	1787	15.0
4SR10/30 -N - HYD			2368	2371	20.0
4SR10/41 -N - HYD			3171	3174	26.5
4SR12/4 -N - HYD			470	473	3.9
4SR12/6 -N - HYD			616	619	5.5
4SR12/8 -N - HYD			762	765	6.7
4SR12/12 -N - HYD			1054	1057	9.1
4SR12/17 -N - HYD			1419	1422	12.0
4SR12/23 -N - HYD			1857	1860	15.6
4SR12/31 -N - HYD			2441	2444	20.4
4SR15/6 -N - HYD			616	619	5.5
4SR15/8 -N - HYD			762	765	6.7
4SR15/11 -N - HYD			981	984	8.5
4SR15/15 -N - HYD			1273	1276	10.9
4SR15/21 -N - HYD			1711	1714	14.4
4SR15/29 -N - HYD			2295	2298	19.2