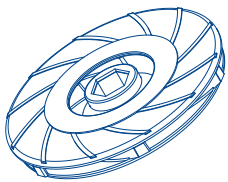




SP-4



4" submersible pumps

SP-4

4" submersible pumps



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:
 - 1SP-4 / 1.5SP-4 / 2SP-4 / 4 SP-4 up to **27 stages**
 - 6SP-4 / 8SP-4 / 10SP-4 / 12SP-4 / 15SP-4 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 SP-4 F)
- **3.5 m** for power from 7.5 kW SP-4/R

➡ The **SP-4/R** 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



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.

OPTIONALS AVAILABLE ON REQUEST

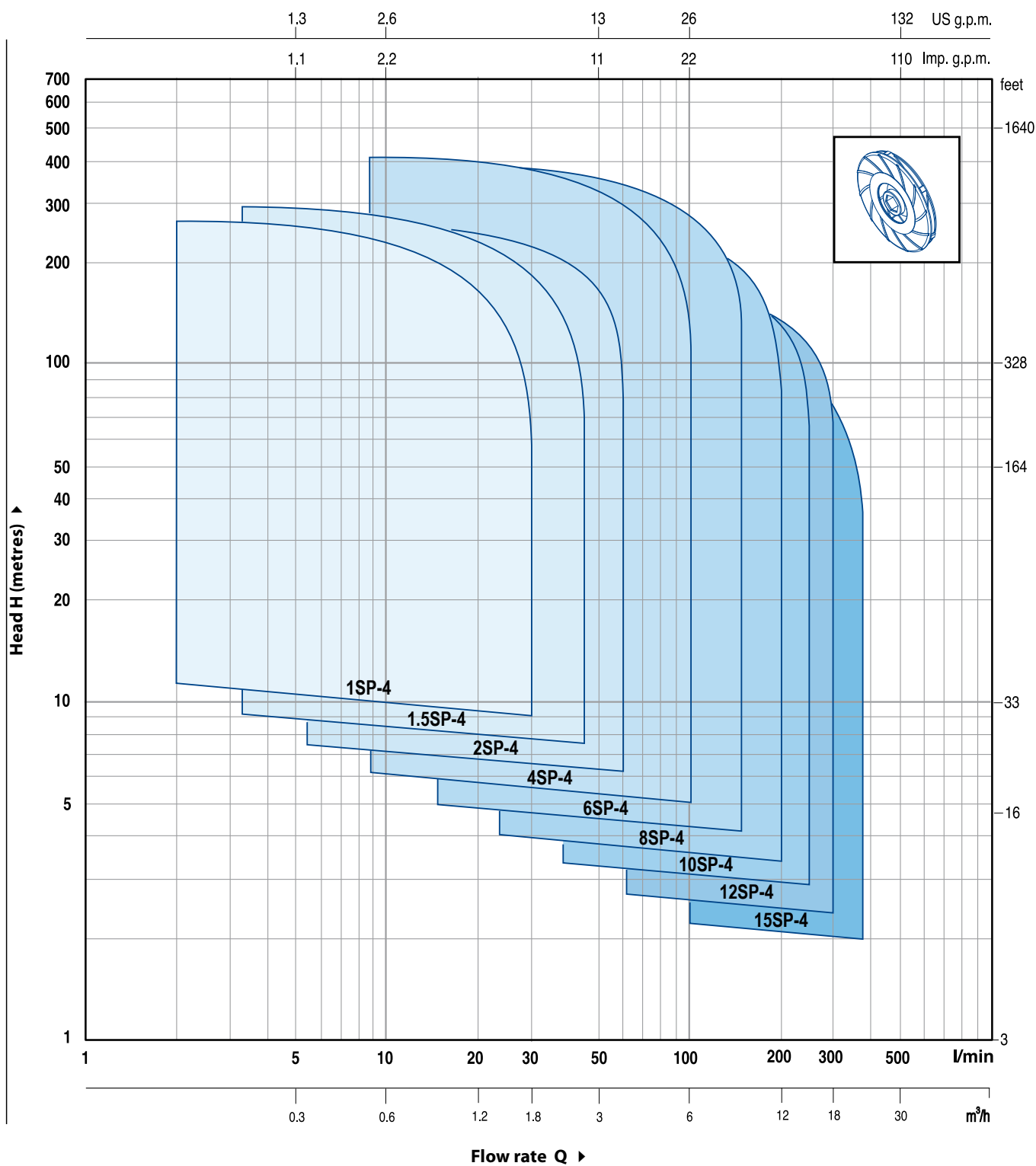
- Other voltages or 60 Hz frequency

GUARANTEE

2 years subject to terms and conditions

PERFORMANCE RANGE

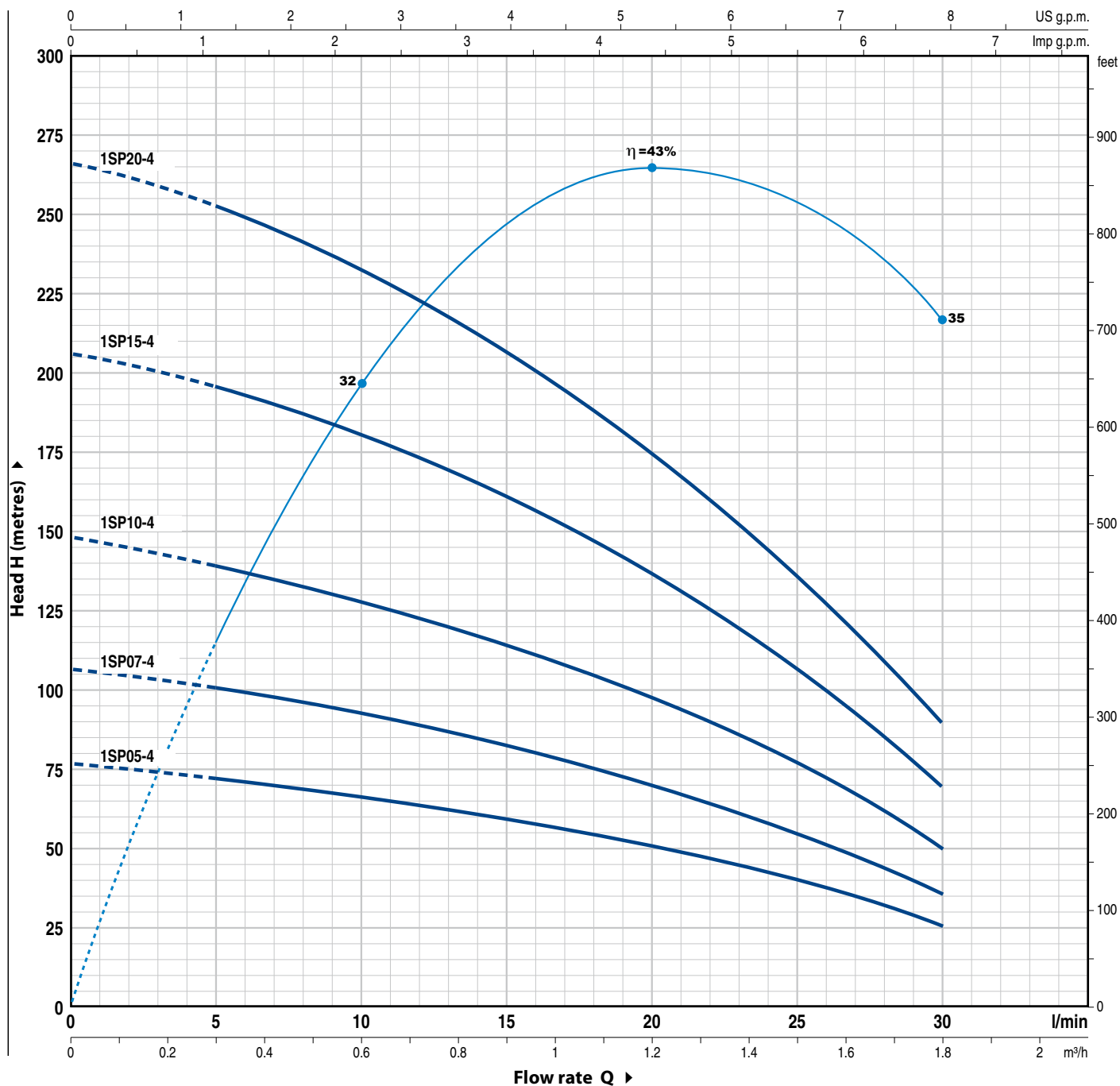
50 Hz n= 2900 1/min



1SP-4

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



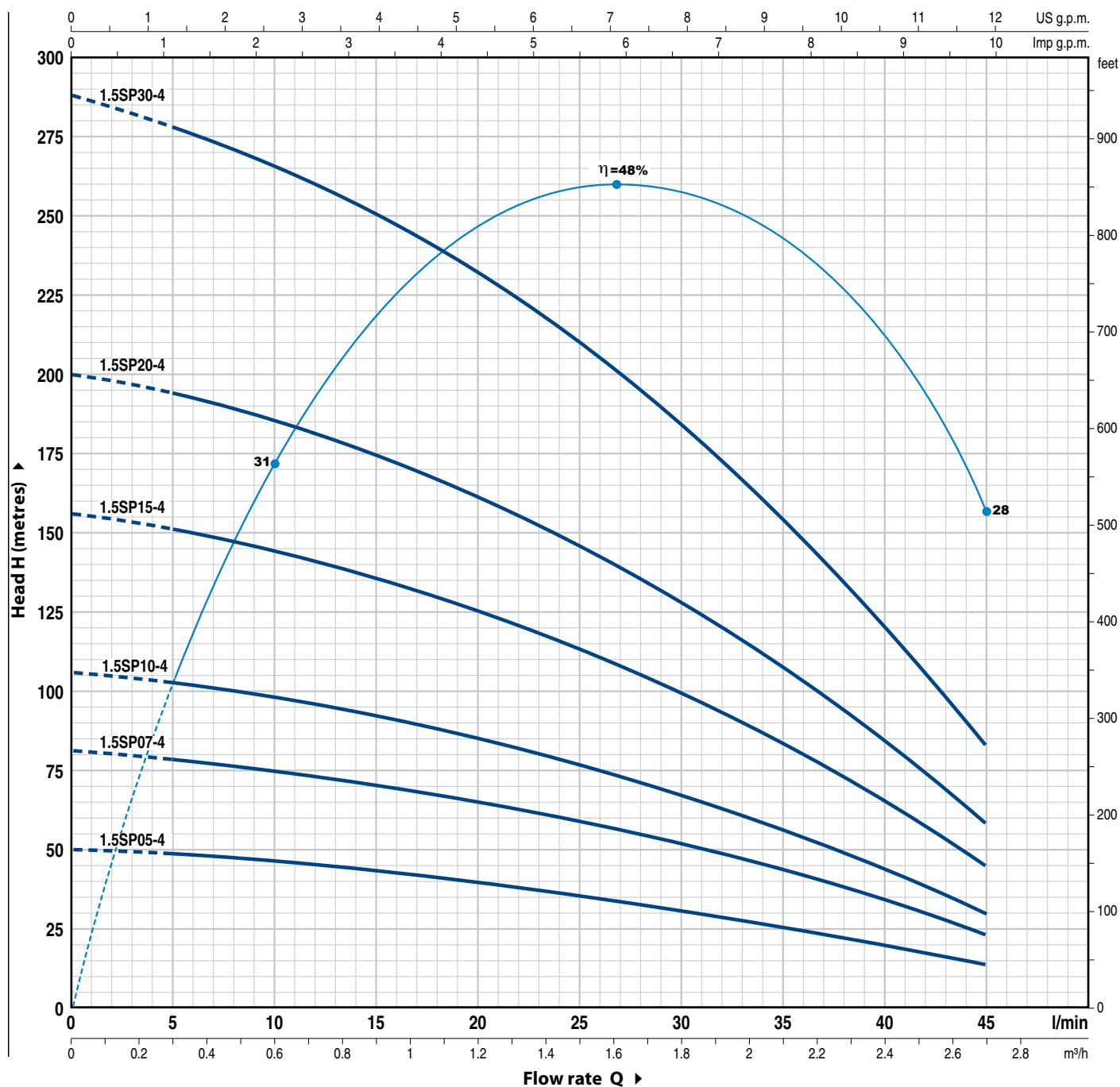
MODEL		POWER		Q m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8
Single-phase	Three-phase	kW	HP		0	5	10	15	20	25	30
1SP05-4M	1SP05-4	0.37	0.50	H metres	77	73	67	60	51	40	26
1SP07-4M	1SP07-4	0.55	0.75		107	101	93	83	71	55	36
1SP10-4M	1SP10-4	0.75	1		148	140	129	115	98	77	50
1SP15-4M	1SP15-4	1.1	1.5		206	197	182	161	136	107	70
1SP20-4M	1SP20-4	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											
Single-phase	Three-phase	kW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
1.5SP05-4M	1.5SP05-4	0.37	0.50	H metres	l/min	0	5	10	15	20	25	30	35	40	45
1.5SP07-4M	1.5SP07-4	0.55	0.75			50	48	46	44	40	36	32	26	20	14
1.5SP10-4M	1.5SP10-4	0.75	1			81	78	75	71	66	59	52	43	33	23
1.5SP15-4M	1.5SP15-4	1.1	1.5			106	102	98	93	86	78	68	56	43	30
1.5SP20-4M	1.5SP20-4	1.5	2			156	151	144	136	127	115	100	83	64	45
1.5SP30-4M	1.5SP30-4	2.2	3			200	193	184	175	162	147	128	106	82	58
						288	277	265	250	233	211	184	153	117	83

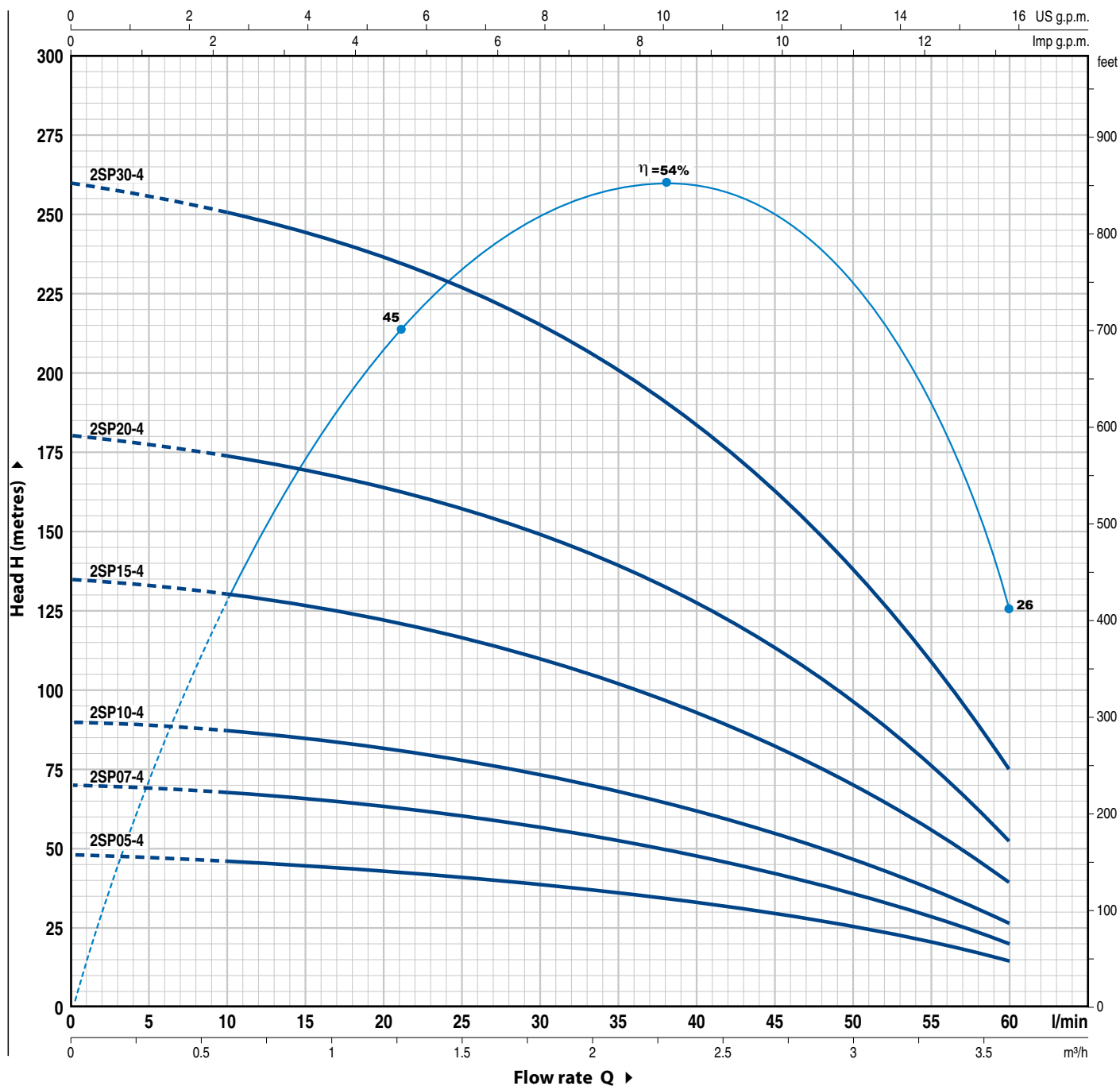
Q = Flow rate H = Total manometric head

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

2SP-4

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



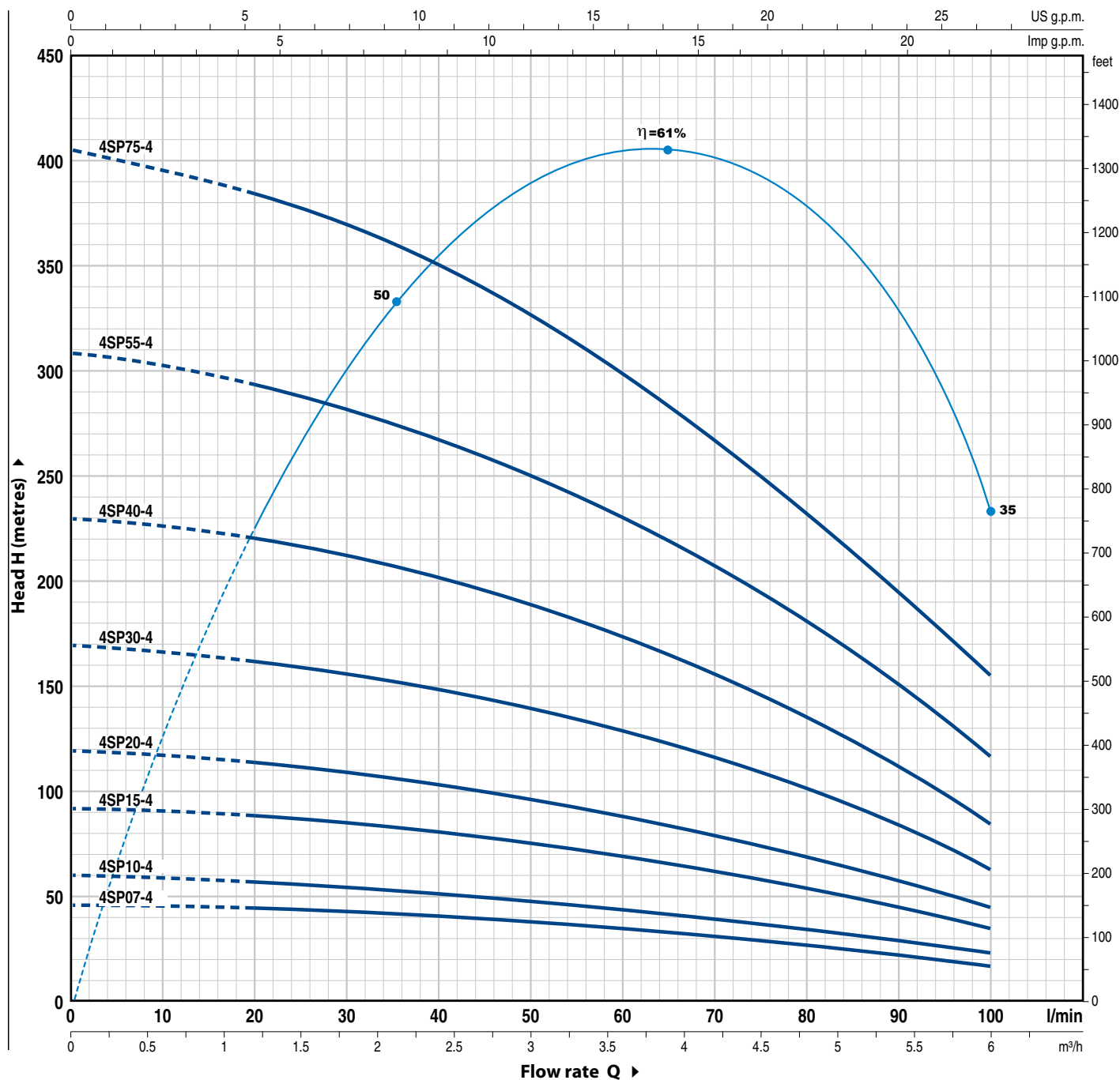
MODEL		POWER		Q	m ³ /h	0	0.6	1.2	1.8	2.4	3.0	3.6
Single-phase	Three-phase	kW	HP									
2SP05-4M	2SP05-4	0.37	0.50	H metres	0	0	10	20	30	40	50	60
2SP07-4M	2SP07-4	0.55	0.75		48	46	44	39	33	25	14	
2SP10-4M	2SP10-4	0.75	1		70	68	63	57	48	36	20	
2SP15-4M	2SP15-4	1.1	1.5		90	88	82	74	62	46	26	
2SP20-4M	2SP20-4	1.5	2		135	130	122	111	93	71	39	
2SP30-4M	2SP30-4	2.2	3		180	173	164	150	126	96	52	
					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										
Single-phase	Three-phase	kW	HP		m³/h	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
					l/min	0	20	30	40	50	60	70	80	90
4SP07-4M	4SP07-4	0.55	0.75	H metres		46	44	42	40	38	35	32	28	23
4SP10-4M	4SP10-4	0.75	1			60	56	55	52	49	45	40	35	29
4SP15-4M	4SP15-4	1.1	1.5			92	88	85	81	76	70	63	55	45
4SP20-4M	4SP20-4	1.5	2			120	112	109	104	98	90	81	70	58
4SP30-4M	4SP30-4	2.2	3			170	162	157	150	141	130	116	101	84
-	4SP40-4	3	4			230	220	211	202	190	175	157	137	113
-	4SP55-4	4	5.5			308	293	280	269	249	230	205	181	151
-	4SP75-4	5.5	7.5			405	385	370	350	325	300	270	235	195

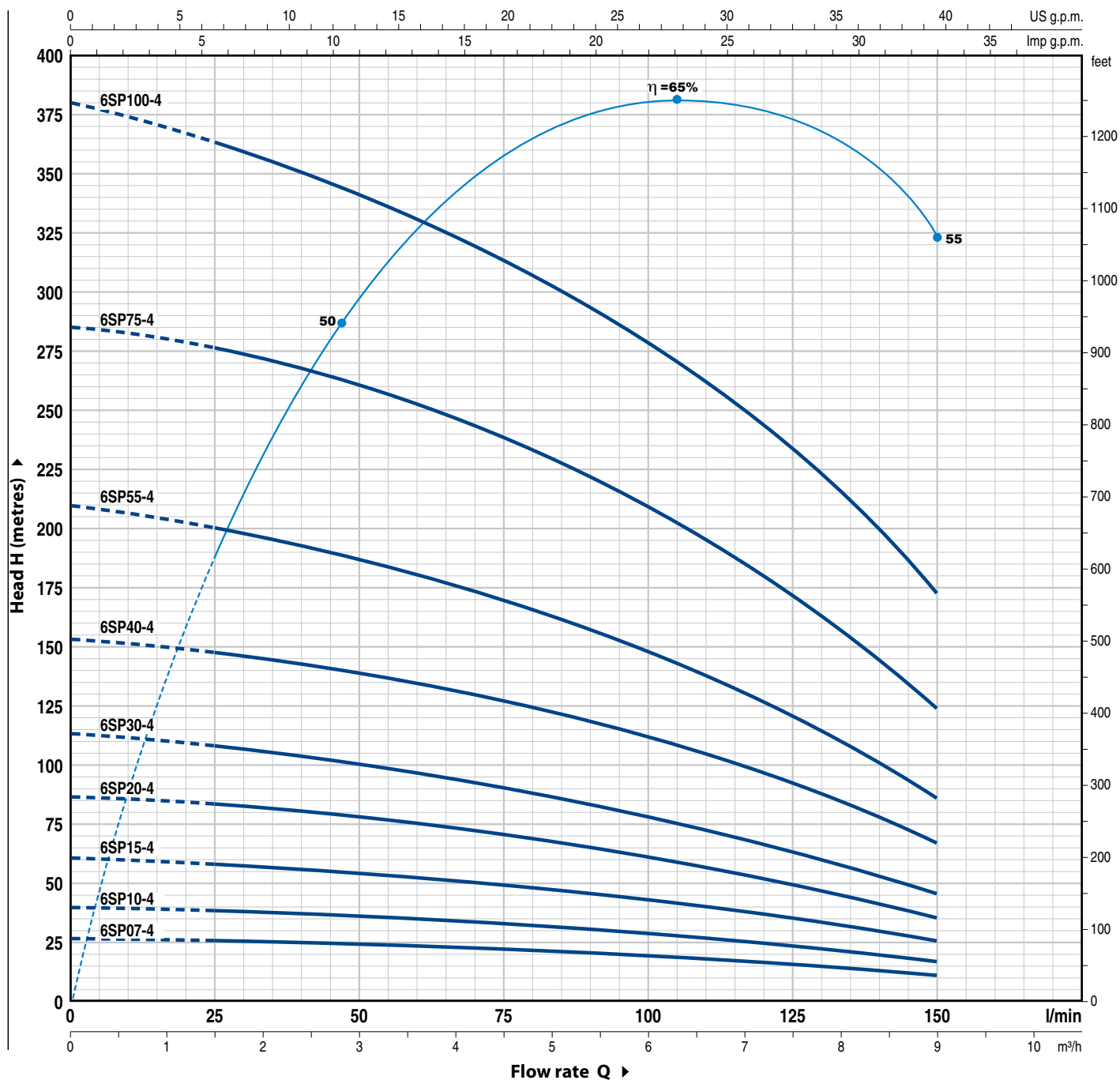
Q = Flow rate H = Total manometric head

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

6SP-4

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



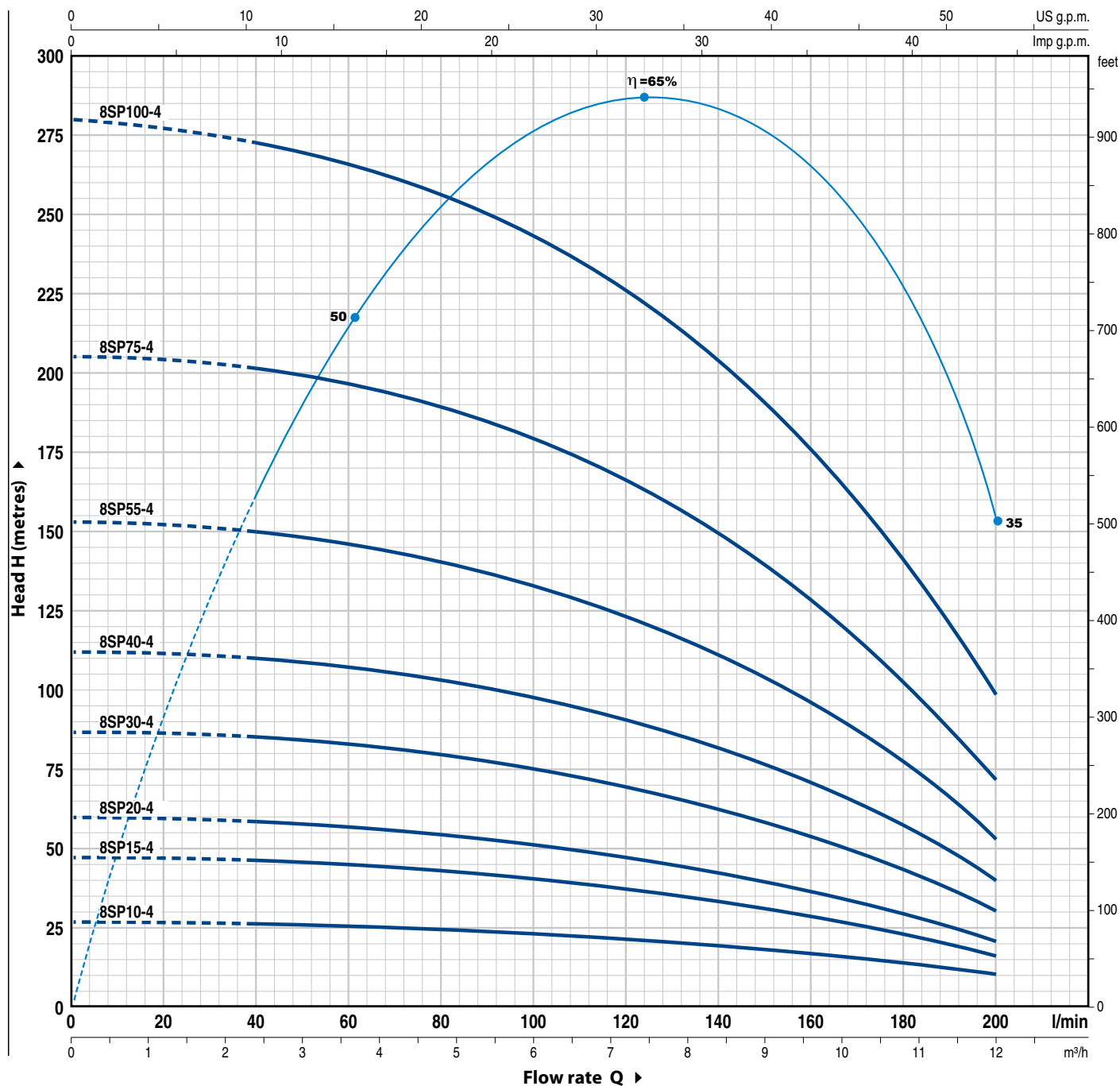
MODEL		POWER		Q	0	1.5	3.0	4.5	6.0	7.5	9.0
Single-phase	Three-phase	kW	HP		0	25	50	75	100	125	150
6SP07-4M	6SP07-4	0.55	0.75	H metres	27	26	24	22	19	15	11
6SP10-4M	6SP10-4	0.75	1		40	38	36	33	29	24	17
6SP15-4M	6SP15-4	1.1	1.5		61	58	54	50	44	35	26
6SP20-4M	6SP20-4	1.5	2		87	83	78	71	61	49	35
6SP30-4M	6SP30-4	2.2	3		114	107	100	91	79	62	45
-	6SP40-4	3	4		154	148	138	128	112	92	67
-	6SP55-4	4	5.5		210	200	186	170	149	121	86
-	6SP75-4	5.5	7.5		285	276	258	240	212	170	124
-	6SP100-4	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 App. A.

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



MODEL		POWER		Q m³/h l/min	0	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0
Single-phase	Three-phase	kW	HP		0	40	60	80	100	120	140	160	180	200
8SP10-4M	8SP10-4	0.75	1	H metres	27	26	25	24	23	22	20	17	13	10
8SP15-4M	8SP15-4	1.1	1.5		47	46	45	43	41	38	34	29	23	16
8SP20-4M	8SP20-4	1.5	2		60	58	57	55	52	48	43	37	30	21
8SP30-4M	8SP30-4	2.2	3		87	85	83	80	76	70	63	54	43	30
–	8SP40-4	3	4		112	110	108	104	99	92	82	70	56	40
–	8SP55-4	4	5.5		153	150	146	141	134	124	111	95	76	53
–	8SP75-4	5.5	7.5		205	200	196	190	181	167	149	128	103	72
–	8SP100-4	7.5	10		280	272	266	257	244	225	202	175	140	98

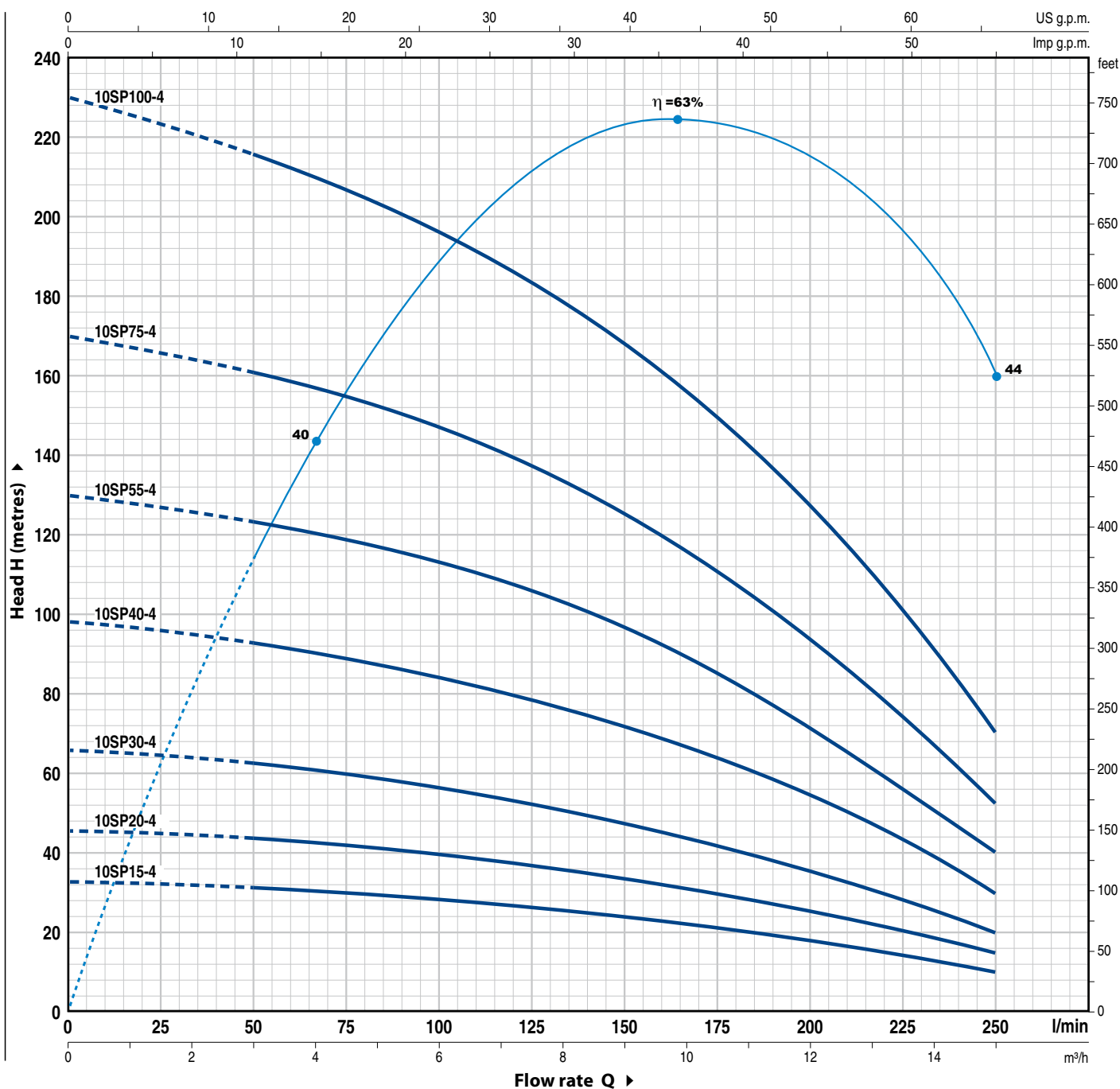
Q = Flow rate H = Total manometric head

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

10SP-4

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min



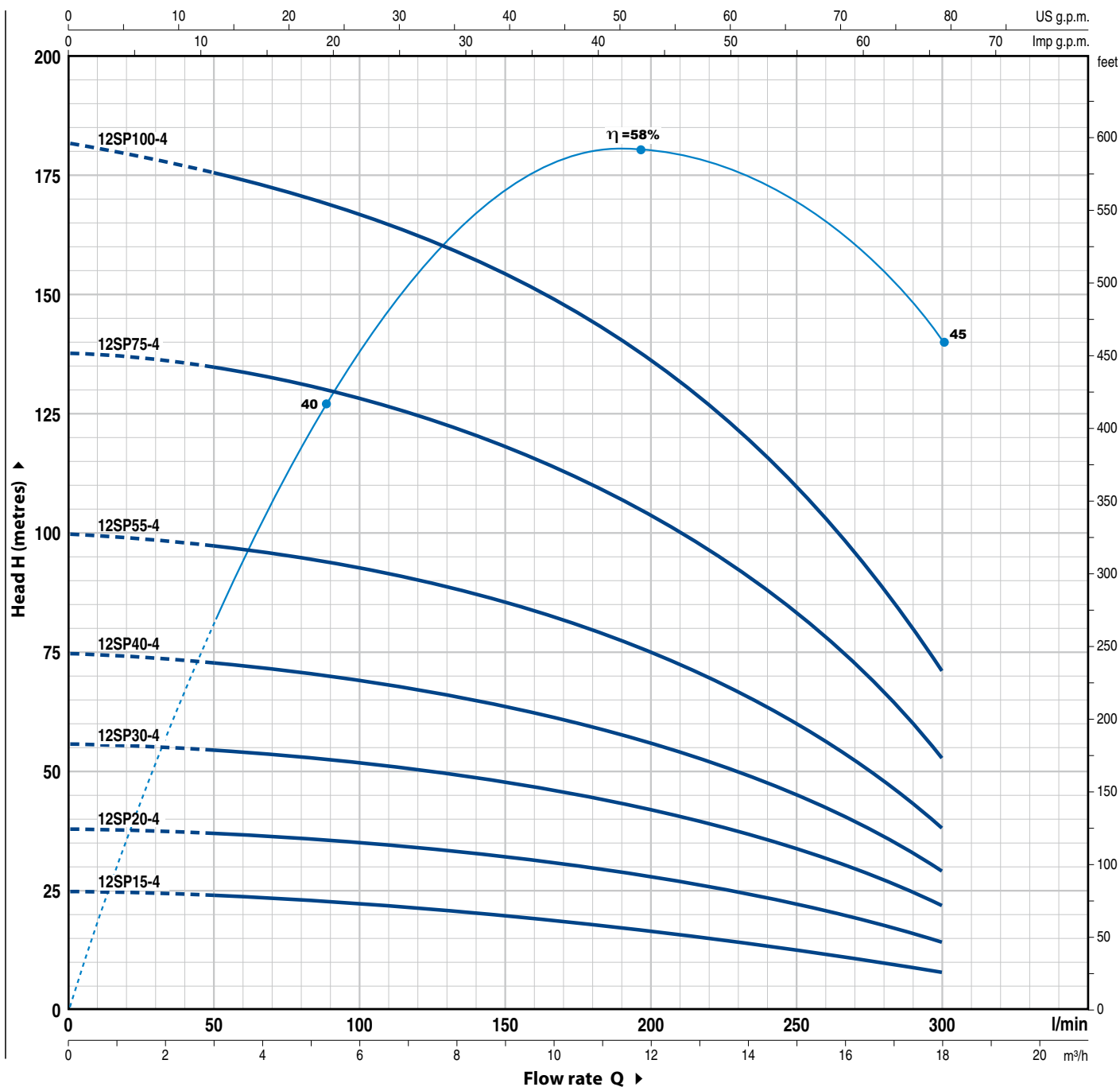
MODEL		POWER		Q	m³/h	0	3.0	4.5	6.0	7.5	9.0	10.5	12	13.5	15.0
Single-phase	Three-phase	kW	HP		l/min	0	50	75	100	125	150	175	200	225	250
10SP15-4M	10SP15-4	1.1	1.5	H metres	33	31	30	28	26	24	21	18	14	10	
10SP20-4M	10SP20-4	1.5	2		46	43	41	39	37	34	30	25	20	15	
10SP30-4M	10SP30-4	2.2	3		66	62	59	56	53	48	42	36	28	20	
–	10SP40-4	3	4		98	92	88	84	79	72	64	53	42	30	
–	10SP55-4	4	5.5		130	123	118	112	106	96	85	71	56	40	
–	10SP75-4	5.5	7.5		170	160	154	147	138	126	110	94	72	52	
–	10SP100-4	7.5	10		230	216	208	197	184	168	148	126	100	70	

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	m³/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
12SP15-4M	12SP15-4	1.1	1.5	H metres	25	24	22	19	16	15	14	12	11	8	
12SP20-4M	12SP20-4	1.5	2		38	37	35	32	28	26	24	21	18	14	
12SP30-4M	12SP30-4	2.2	3		56	55	52	48	42	39	36	32	27	22	
–	12SP40-4	3	4		75	73	69	64	56	52	48	43	36	29	
–	12SP55-4	4	5.5		100	97	93	86	75	70	64	57	48	38	
–	12SP75-4	5.5	7.5		138	135	127	118	103	96	88	78	66	53	
–	12SP100-4	7.5	10		182	176	167	155	135	126	116	103	88	71	

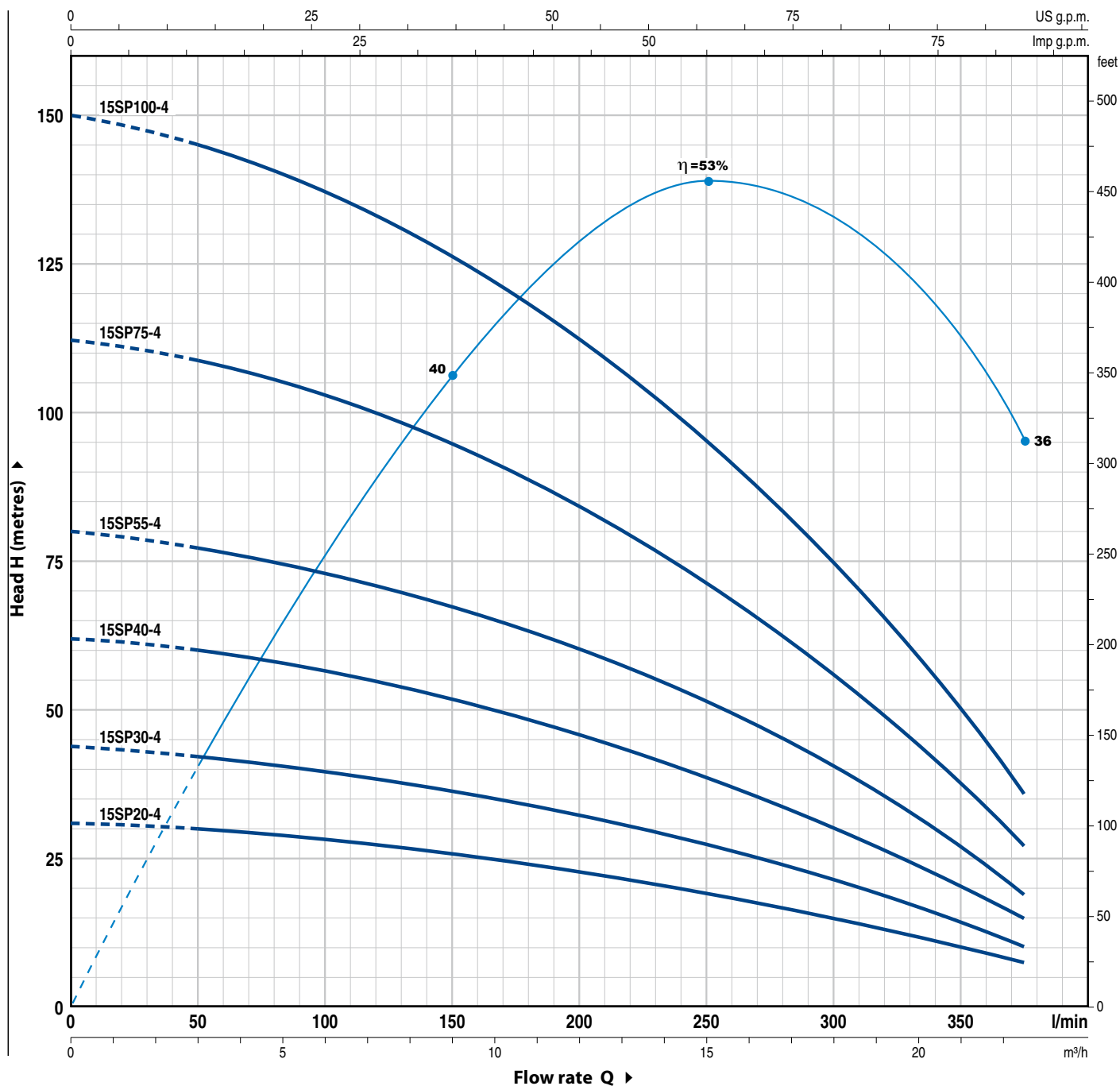
Q = Flow rate H = Total manometric head

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

15SP-4

CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz n= 2900 1/min

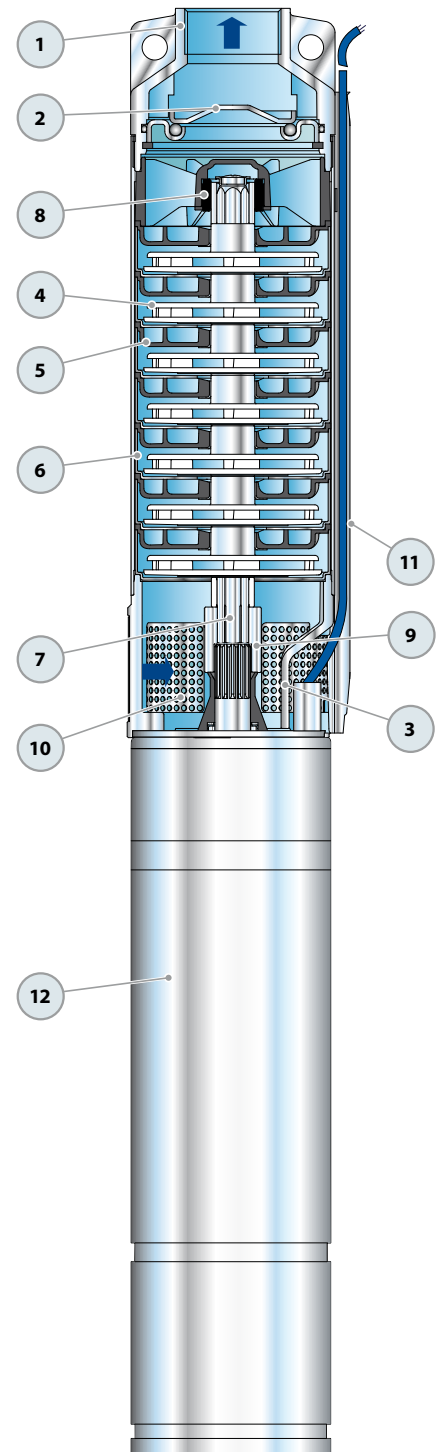


MODEL		POWER		Q	m³/h	0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	22.5
Single-phase	Three-phase	kW	HP		l/min	0	50	100	150	200	250	300	350	375
15SP20-4M	15SP20-4	1.5	2	H metres		31	30	28	26	23	20	15	10	7.5
15SP30-4M	15SP30-4	2.2	3			44	42	40	37	32	27	20	13	10
–	15SP40-4	3	4			62	60	57	52	46	38	30	20	15
–	15SP55-4	4	5.5			80	77	72	68	60	50	40	25	19
–	15SP75-4	5.5	7.5			112	108	102	95	85	71	55	37	27
–	15SP100-4	7.5	10			150	145	138	126	112	95	75	50	36

Q = Flow rate H = Total manometric head

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

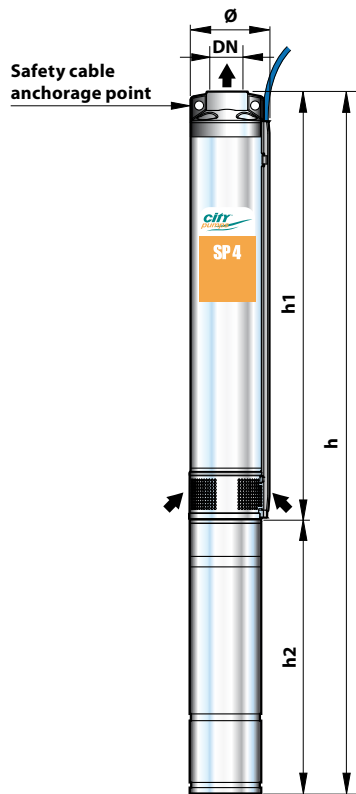
POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
1	DELIVERY BODY	Precision cast stainless steel AISI 304, complete with threaded delivery port in compliance with ISO 228/1
2	NON-RETURN VALVE	Stainless steel AISI 304
3	MOTOR BRACKET	Stainless steel AISI 304, in compliance with NEMA standards
4	IMPELLER	Lexan 141-R
5	DIFFUSER	Noryl GFN2V
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"	SM-4R = "rewindable in oil bath" SM-4F = "FRANKLIN"



SP-4/R

Submersible pumps with "Rewindable" motors

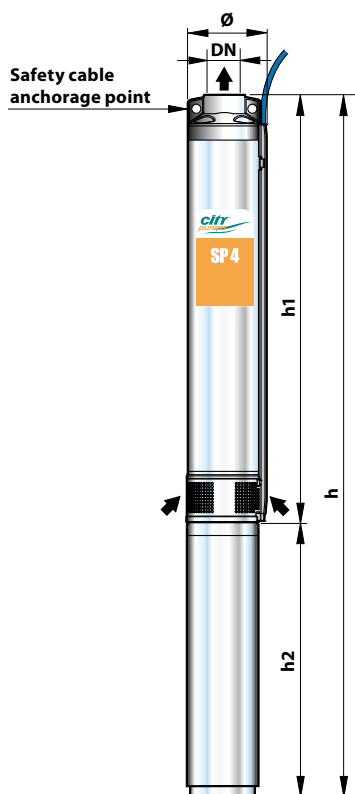
DIMENSIONS AND WEIGHT



MODEL	PORT	DIMENSIONS mm				kg
Single-phase	DN	Ø	h1	h2	h	1~
1SP05-4M /R	1 1/4"	98	400	304	704	11.8
1SP07-4M /R			517	329	846	14.5
1SP10-4M /R			646	354	1000	17.0
1SP15-4M /R			856	434	1290	21.6
1SP20-4M /R			1065	467	1532	25.5
1.5SP05-4M /R			308	304	612	10.9
1.5SP07-4M /R			400	329	729	14.5
1.5SP10-4M /R			499	354	853	15.5
1.5SP15-4M /R			646	434	1080	20.0
1.5SP20-4M /R			800	467	1267	24.3
1.5SP30-4M /R			1134	565	1699	31.9
2SP05-4M /R			290	304	594	10.7
2SP07-4M /R			345	329	674	12.5
2SP10-4M /R			400	354	754	14.4
2SP15-4M /R			554	434	988	18.3
2SP20-4M /R			683	467	1150	21.4
2SP30-4M /R			929	565	1494	29.2
4SP07-4M /R			314	329	643	12.1
4SP10-4M /R			358	354	712	13.7
4SP15-4M /R			468	434	902	17.2
4SP20-4M /R			580	467	1047	19.9
4SP30-4M /R			756	565	1321	25.5
6SP07-4M /R	2"	98	281	329	610	12.8
6SP10-4M /R			341	354	695	13.4
6SP15-4M /R			431	434	865	16.6
6SP20-4M /R			576	467	1043	19.5
6SP30-4M /R			695	565	1260	25.5
8SP10-4M /R			281	354	635	12.8
8SP15-4M /R			371	434	805	16.1
8SP20-4M /R			431	467	898	18.2
8SP30-4M /R			576	565	1141	24.1
10SP15-4M /R			416	434	850	17.0
10SP20-4M /R			518	467	985	18.8
10SP30-4M /R			709	565	1274	25.0
12SP15-4M /R			365	434	799	16.5
12SP20-4M /R			467	467	934	17.7
12SP30-4M /R			658	565	1223	25.0
15SP20-4M /R			421	467	888	18.6
15SP30-4M /R			525	565	1090	24.0

MODEL	PORT	DIMENSIONS mm				kg
Three-phase	DN	Ø	h1	h2	h	3~
1SP05-4 /R	1 1/4"	98	400	304	704	13.7
1SP07-4 /R			517	304	821	14.4
1SP10-4 /R			646	329	975	17.1
1SP15-4 /R			856	354	1210	19.9
1SP20-4 /R			1065	428	1493	23.0
1.5SP05-4 /R			308	304	612	10.8
1.5SP07-4 /R			400	304	704	11.7
1.5SP10-4 /R			499	329	828	14.3
1.5SP15-4 /R			646	354	1000	17.8
1.5SP20-4 /R			800	428	1228	24.3
1.5SP30-4 /R			1134	467	1601	27.7
2SP05-4 /R			290	304	594	10.5
2SP07-4 /R			345	304	649	11.3
2SP10-4 /R			400	329	729	13.3
2SP15-4 /R			554	354	908	16.7
2SP20-4 /R			683	428	1111	19.9
2SP30-4 /R			929	467	1396	25.0
4SP07-4 /R			314	304	618	12.2
4SP10-4 /R			358	329	687	12.5
4SP15-4 /R			468	354	822	15.8
4SP20-4 /R			580	428	1008	17.6
4SP30-4 /R			756	467	1223	21.4
4SP40-4 /R	2"	98	978	522	1500	26.1
4SP55-4 /R			1295	587	1882	34.3
4SP75-4 /R			1652	687	2339	45.1
6SP07-4 /R			281	304	585	10.8
6SP10-4 /R			341	329	670	13.1
6SP15-4 /R			431	354	785	14.9
6SP20-4 /R			576	428	1004	17.2
6SP30-4 /R			695	467	1162	20.3
6SP40-4 /R			900	522	1422	24.6
6SP55-4 /R			1164	587	1751	32.0
6SP75-4 /R			1519	687	2206	40.7
6SP100-4 /R			2063	768	2831	51.7
8SP10-4 /R			281	329	610	12.6
8SP15-4 /R			371	354	725	13.7
8SP20-4 /R			431	428	859	16.0
8SP30-4 /R			576	467	1043	19.2
8SP40-4 /R			695	522	1217	24.0
8SP55-4 /R			900	587	1487	27.6
8SP75-4 /R			1164	687	1851	36.6
8SP10-42 /R			1519	768	2287	44.6
10SP15-4 /R			416	354	770	15.3
10SP20-4 /R			518	428	946	16.9
10SP30-4 /R			709	467	1176	21.4
10SP40-4 /R			1001	522	1523	25.6
10SP55-4 /R			1256	587	1843	33.4
10SP75-4 /R			1599	687	2286	41.4
10SP100-4 /R			2095	768	2863	49.4
12SP15-4 /R			365	354	719	13.5
12SP20-4 /R			467	428	895	17.7
12SP30-4 /R			658	467	1125	21.1
12SP40-4 /R			810	522	1332	24.4
12SP55-4 /R			1052	587	1639	28.9
12SP75-4 /R			1358	687	2045	37.5
12SP100-4 /R			1752	768	2520	46.5
15SP20-4 /R			421	428	849	16.1
15SP30-4 /R			525	467	992	18.8
15SP40-4 /R			719	522	1241	24.5
15SP55-4 /R			874	587	1461	27.3
15SP75-4 /R			1172	687	1859	36.3
15SP100-4 /R			1521	768	2289	43.7

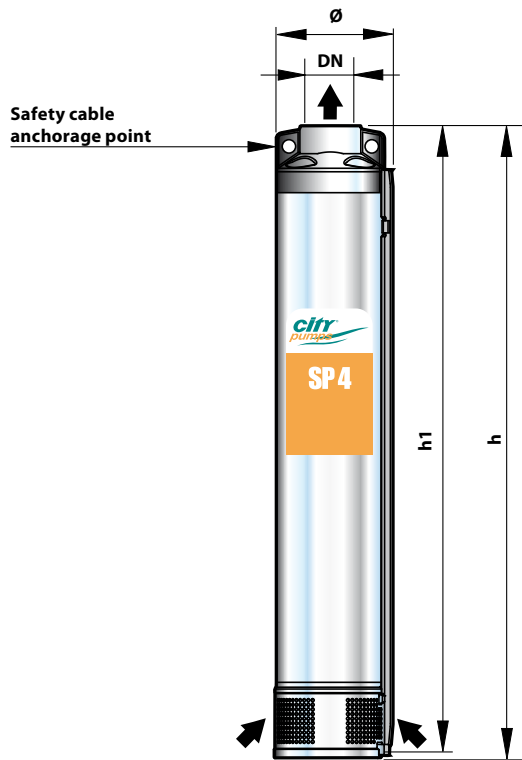
DIMENSIONS AND WEIGHT



MODEL	PORT	DIMENSIONS mm				kg
Single-phase	DN	Ø	h1	h2	h	1~
1SP05-4M S	1 1/4"	98	400	242	642	13.0
1SP07-4M /F			517	271	788	15.4
1SP10-4M /F			646	298	944	18.6
1SP15-4M /F			856	327	1183	21.8
1SP20-4M /F			1065	356	1421	25.4
1.5SP05-4M /F			308	242	550	12.6
1.5SP07-4M /F			400	271	671	14.9
1.5SP10-4M /F			499	298	797	16.9
1.5SP15-4M /F			646	327	973	19.9
1.5SP20-4M /F			800	356	1156	22.8
1.5SP30-4M /F			1134	460	1594	31.7
2SP05-4M /F			290	242	532	11.6
2SP07-4M /F			345	271	616	13.5
2SP10-4M /F			400	298	698	15.3
2SP15-4M /F			554	327	881	18.0
2SP20-4M /F			683	356	1039	21.1
2SP30-4M /F			929	460	1389	28.1
4SP07-4M /F			314	271	585	13.1
4SP10-4M /F			358	298	656	14.7
4SP15-4M /F			468	327	795	17.1
4SP20-4M /F			580	356	936	20.5
4SP30-4M /F			756	460	1216	25.7
6SP07-4M /F	2"	98	281	271	552	13.8
6SP10-4M /F			341	298	639	14.6
6SP15-4M /F			431	327	758	16.6
6SP20-4M /F			576	356	932	19.4
6SP30-4M /F			695	460	1155	25.8
8SP10-4M /F			281	298	579	14.1
8SP15-4M /F			371	327	698	16.1
8SP20-4M /F			431	356	787	16.6
8SP30-4M /F			576	460	1036	24.5
10SP15-4M /F			416	327	743	17.0
10SP20-4M /F			518	356	874	19.3
10SP30-4M /F			709	460	1169	25.4
12SP15-4M /F			365	327	692	16.6
12SP20-4M /F			467	356	823	18.8
12SP30-4M /F			658	460	1118	25.2
15SP20-4M /F			421	356	777	18.5
15SP30-4M /F			525	460	985	23.8

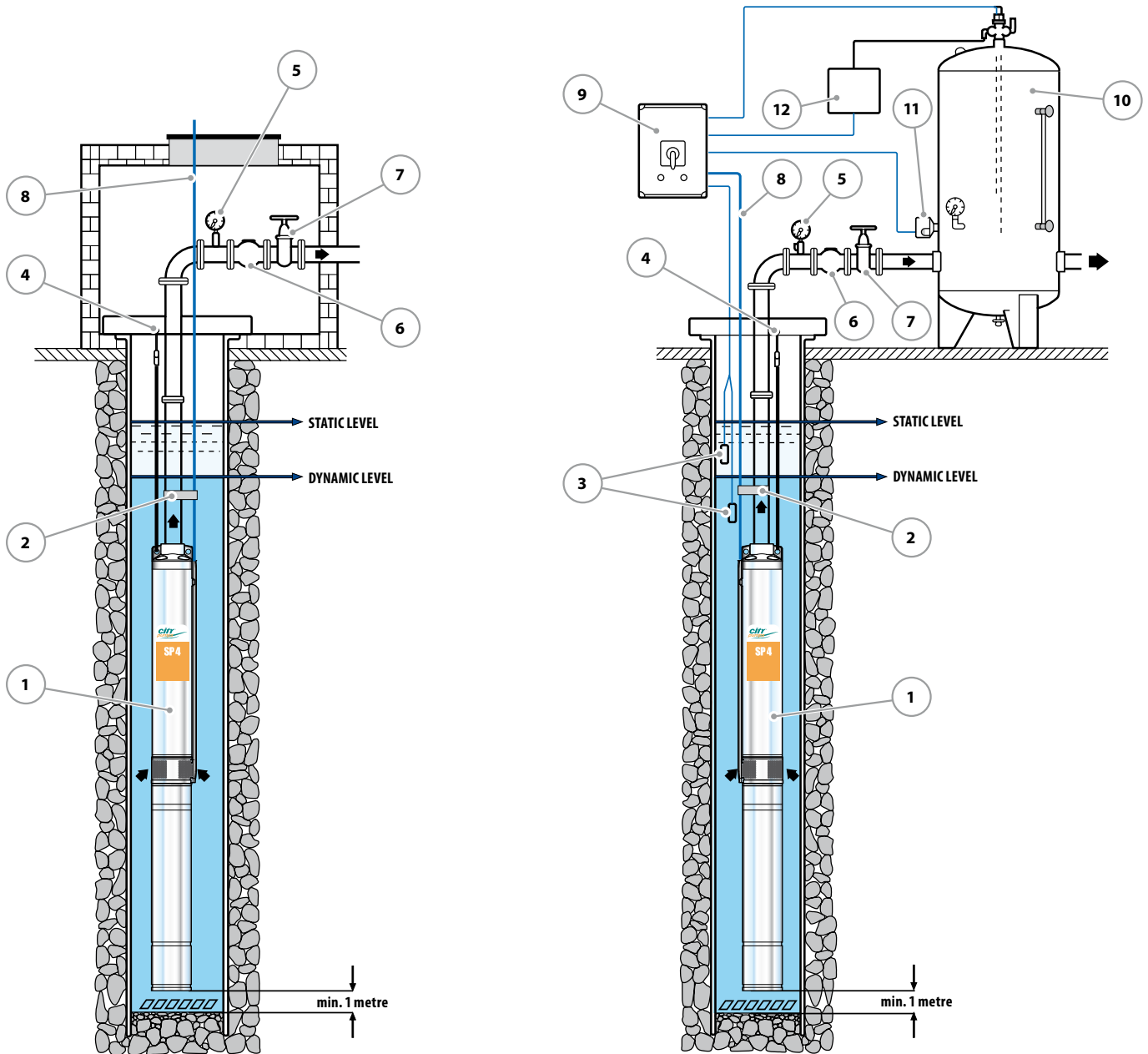
MODEL	PORT	DIMENSIONS mm				kg
Three-phase	DN	Ø	h1	h2	h	3~
1SP05-4 /F	1 1/4"	98	400	223	623	13.2
1SP07-4 /F			517	242	759	14.7
1SP10-4 /F			646	271	917	17.2
1SP15-4 /F			856	298	1154	20.7
1SP20-4 /F			1065	327	1392	24.0
1.5SP05-4 /F			308	223	531	11.6
1.5SP07-4 /F			400	242	642	13.6
1.5SP10-4 /F			499	271	770	16.9
1.5SP15-4 /F			646	298	944	18.3
1.5SP20-4 /F			800	327	1127	21.8
1.5SP30-4 /F			1134	356	1490	27.2
2SP05-4 /F			290	223	513	10.8
2SP07-4 /F			345	242	587	11.8
2SP10-4 /F			400	271	671	13.5
2SP15-4 /F			554	298	852	16.3
2SP20-4 /F			683	327	1010	20.4
2SP30-4 /F			929	356	1285	24.1
4SP07-4 /F			314	242	556	11.4
4SP10-4 /F			358	271	629	13.5
4SP15-4 /F			468	298	766	15.4
4SP20-4 /F			580	327	907	17.3
4SP30-4 /F			756	356	1112	20.4
4SP40-4 /F			978	423	1401	26.5
4SP55-4 /F			1295	583	1878	39.6
4SP75-4 /F			1652	698	2350	49.3
6SP07-4 /F	2"	98	281	242	523	12.5
6SP10-4 /F			341	271	612	12.8
6SP15-4 /F			431	298	729	14.9
6SP20-4 /F			576	327	903	18.2
6SP30-4 /F			695	356	1051	20.2
6SP40-4 /F			900	423	1323	24.5
6SP55-4 /F			1164	583	1747	36.4
6SP75-4 /F			1519	698	2217	44.9
6SP100-4 /F			2063	774	2837	55.5
8SP10-4 /F			281	271	552	12.3
8SP15-4 /F			371	298	669	14.4
8SP20-4 /F			431	327	758	15.9
8SP30-4 /F			576	356	932	18.5
8SP40-4 /F			695	423	1118	22.8
8SP55-4 /F			900	583	1483	33.9
8SP75-4 /F			1164	698	1862	41.7
8SP10-42 /F			1519	774	2293	48.4
10SP15-4 /F			416	298	714	15.7
10SP20-4 /F			518	327	845	17.9
10SP30-4 /F			709	356	1065	20.4
10SP40-4 /F			1001	423	1424	26.1
10SP55-4 /F			1256	583	1839	36.6
10SP75-4 /F			1599	698	2297	45.0
10SP100-4 /F			2095	774	2869	53.2
12SP15-4 /F			365	298	663	15.3
12SP20-4 /F			467	327	794	17.4
12SP30-4 /F			658	356	1014	20.6
12SP40-4 /F			810	423	1233	26.2
12SP55-4 /F			1052	583	1635	34.2
12SP75-4 /F			1358	698	2056	42.7
12SP100-4 /F			1752	774	2526	48.4
15SP20-4 /F			421	327	748	17.1
15SP30-4 /F			525	356	881	19.3
15SP40-4 /F			719	423	1142	23.5
15SP55-4 /F			874	583	1457	33.0
15SP75-4 /F			1172	698	1870	41.0
15SP100-4 /F			1521	774	2295	47.5

DIMENSIONS AND WEIGHT (PUMP ONLY)



MODEL	PORT	DIMENSIONS mm			kg
Pump	DN	Ø	h1	h	
1SP05-4 /WE	1 1/4"	98	400	403	4.7
1SP07-4 /WE			517	520	5.9
1SP10-4 /WE			646	649	7.4
1SP15-4 /WE			856	859	9.4
1SP20-4 /WE			1065	1068	11.4
1.5SP05-4 /WE			308	311	3.8
1.5SP07-4 /WE			400	403	4.8
1.5SP10-4 /WE			499	502	5.7
1.5SP15-4 /WE			646	649	7.3
1.5SP20-4 /WE			800	803	9.2
1.5SP30-4 /WE			1134	1137	13.2
2SP05-4 /WE			290	293	3.6
2SP07-4 /WE			345	348	4.2
2SP10-4 /WE			400	403	4.8
2SP15-4 /WE			554	557	7.0
2SP20-4 /WE			683	686	7.7
2SP30-4 /WE			929	932	10.5
4SP07-4 /WE			314	317	3.8
4SP10-4 /WE			358	361	4.3
4SP15-4 /WE			468	471	5.4
4SP20-4 /WE			580	583	6.6
4SP30-4 /WE			756	759	8.3
4SP40-4 /WE			978	981	10.7
4SP55-4 /WE			1295	1298	15.0
4SP75-4 /WE			1652	1655	19.4
6SP07-4 /WE	2"	98	281	284	3.7
6SP10-4 /WE			341	344	4.0
6SP15-4 /WE			431	434	4.8
6SP20-4 /WE			576	579	6.1
6SP30-4 /WE			695	698	7.1
6SP40-4 /WE			900	903	9.3
6SP55-4 /WE			1164	1167	11.8
6SP75-4 /WE			1519	1522	15.0
6SP100-4 /WE			2063	2066	22.0
8SP10-4 /WE			281	284	3.5
8SP15-4 /WE			371	374	4.2
8SP20-4 /WE			431	434	4.7
8SP30-4 /WE			576	579	6.1
8SP40-4 /WE			695	698	7.2
8SP55-4 /WE			900	903	9.3
8SP75-4 /WE			1164	1167	11.8
8SP10-42 /WE			1519	1522	14.9
10SP15-4 /WE			416	419	4.4
10SP20-4 /WE			518	521	5.3
10SP30-4 /WE			709	712	6.9
10SP40-4 /WE			1001	1004	9.5
10SP55-4 /WE			1256	1259	12.0
10SP75-4 /WE			1599	1602	15.7
10SP100-4 /WE			2095	2098	19.7
12SP15-4 /WE			365	368	4.0
12SP20-4 /WE			467	470	4.8
12SP30-4 /WE			658	661	6.6
12SP40-4 /WE			810	813	8.1
12SP55-4 /WE			1052	1055	9.6
12SP75-4 /WE			1358	1361	12.8
12SP100-4 /WE			1752	1755	15.9
15SP20-4 /WE			421	424	4.5
15SP30-4 /WE			525	528	5.3
15SP40-4 /WE			719	722	7.0
15SP55-4 /WE			874	877	8.4
15SP75-4 /WE			1172	1175	11.1
15SP100-4 /WE			1521	1524	14.0

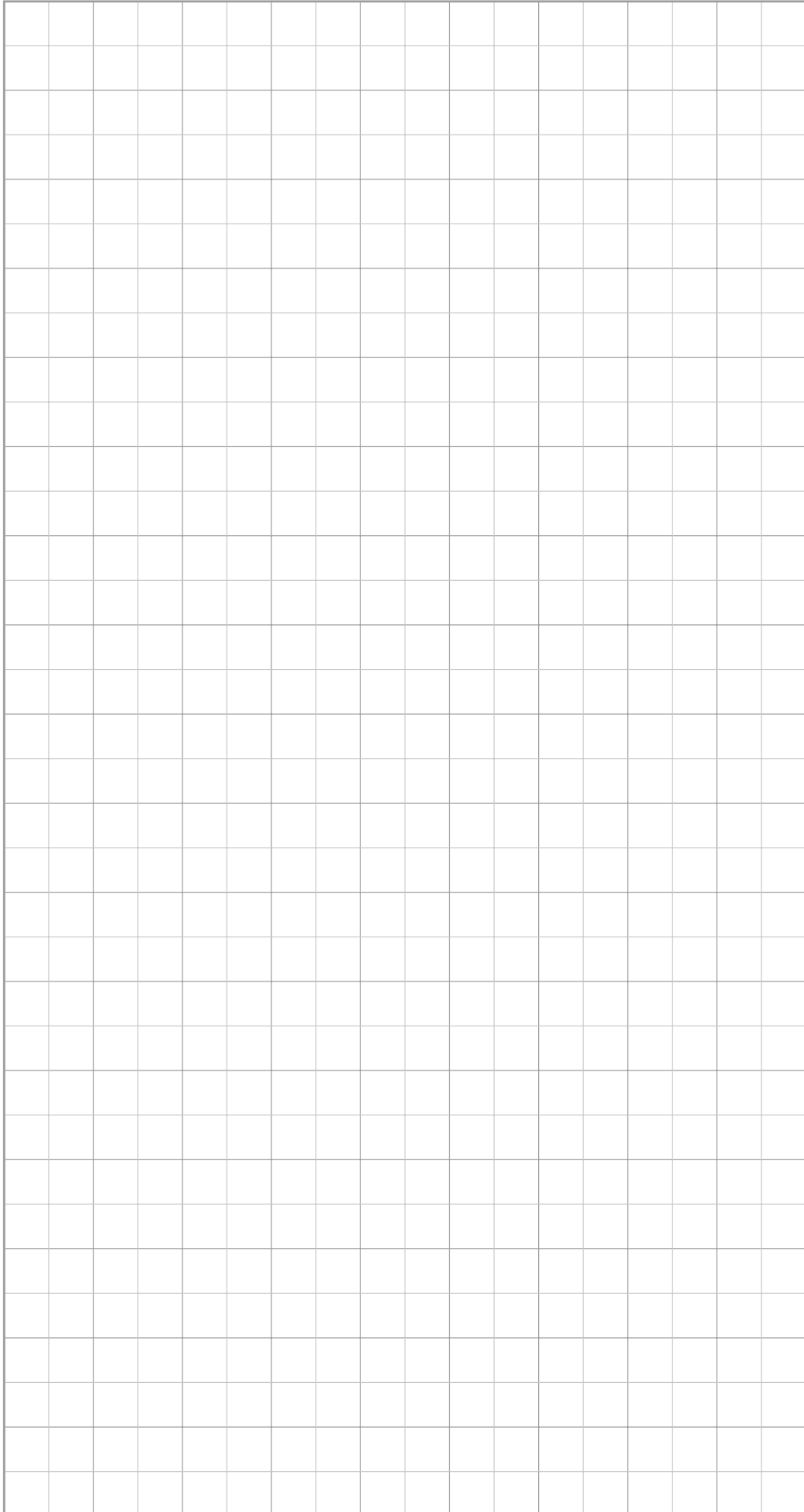
INSTALLATION EXAMPLE

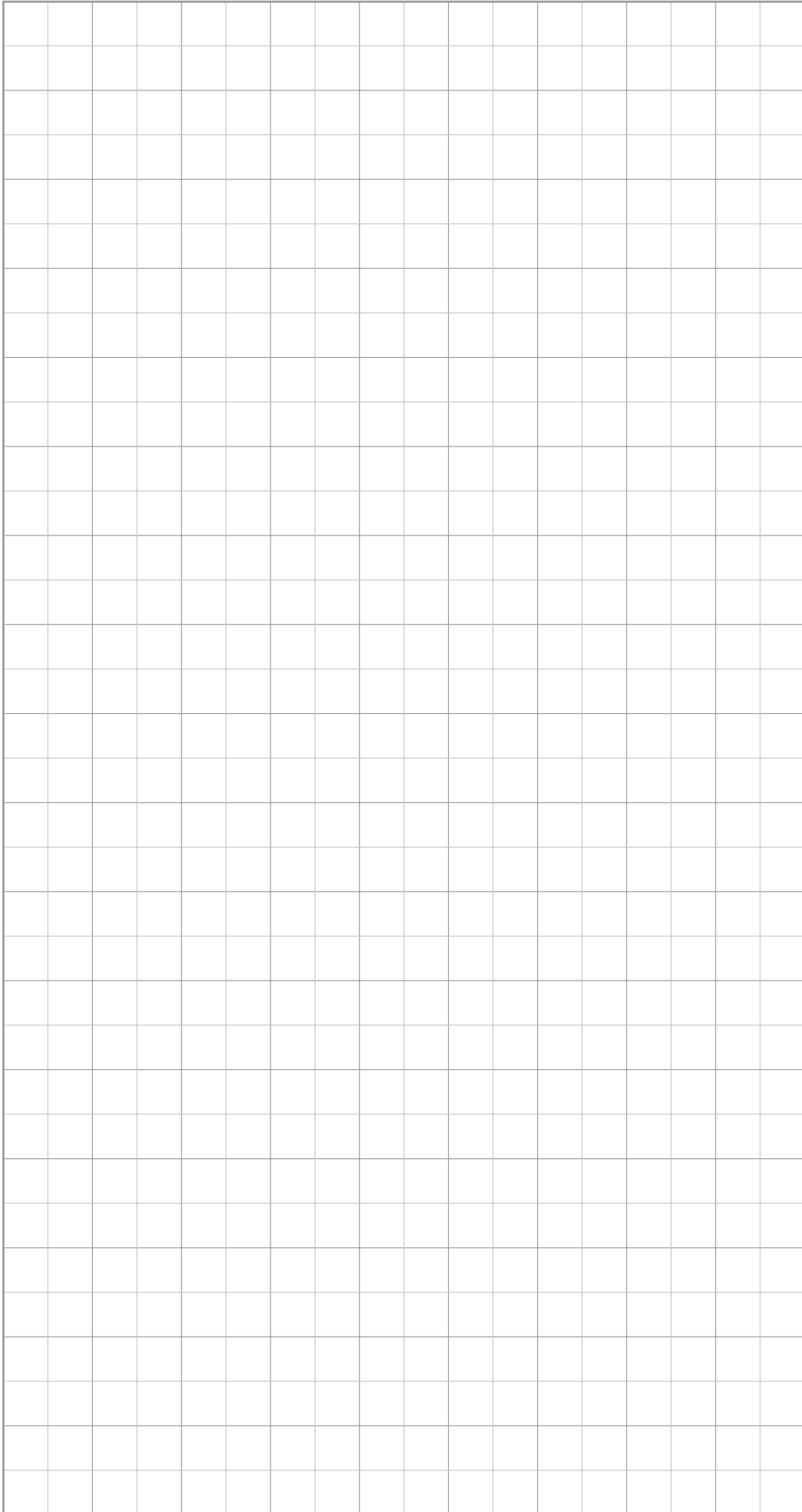


COMPONENTS

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

➡ The SP-4 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 metre 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.







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