

Innovative mechanical and fluid-dynamic design has produced the new 6SR, manufactured in selected materials for the best combination of reliability, performance and durability.

The glass reinforced technopolymer impeller is covered in a specially developed rubber within a sturdy stainless steel housing for maximum resistance to erosion and corrosion.



RANGE OF PERFORMANCE

Flow rate up to 1000 l/min (60 m³/h)
Head up to 390 m

LIMITS OF USE

Liquid temperature up to +30°C
Sand content up to 100 g/m³
Starts/hour: 20 at regular intervals

CONSTRUCTION AND SAFETY STANDARDS

EN 60034-1
IEC 34-1
CEI 2-3



INSTALLATION AND USE

THEY ARE RECOMMENDED FOR PUMPING CLEAN WATER WITH A SAND CONTENT NO HIGHER THAN **100 g/m³**. THEIR HIGH EFFICIENCY AND RELIABILITY MAKE THEM SUITABLE FOR USE IN THE DOMESTIC, CIVIL AND INDUSTRIAL SECTORS, INCLUDING FOR WATER SUPPLIES AS PART OF A PRESSURE SET, IRRIGATION, WASHDOWN SYSTEMS, PRESSURE BOOSTING AND FIRE FIGHTING SYSTEMS.

GUARANTEE 2 YEARS subject to our general terms of sale.

CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304 for 6SR36-44, nickel-plated cast iron for 6SR9-12-18-27 with 3" gas threaded port UNI ISO 228-1.

- **NON-RETURN VALVE:** stainless steel AISI 304.
- **IMPELLERS:** glass filled technopolymer covered with special rubber
- **DIFFUSER HOUSING:** stainless steel AISI 304.
- **DIFFUSERS:** technopolymer reinforced with glass fibre .
- **PUMP CASING:** stainless steel AISI 304.
- **PUMP SHAFT:** stainless steel AISI 304.
- **PUMP BEARINGS:** housing in special technopolymer with stainless steel AISI 316 shaft bushes, **chrome oxide coated** to resist sand.
- **MOTOR BRACKET:** nickel-plated cast iron, dimensions to NEMA standards.
- **DRIVE COUPLING:** stainless steel AISI 420.
- **SCREWS, FILTER AND CABLE COVER:** stainless steel AISI 304.
- **MOTOR:** **Pedrollo 4"** submerged electric motor (up to 3 kW)
Pedrollo 6" submerged electric motor (from 4 to 30 kW)
6SR: three-phase 380-415 V - 50 Hz.
- **PROTECTION:** IP 68.

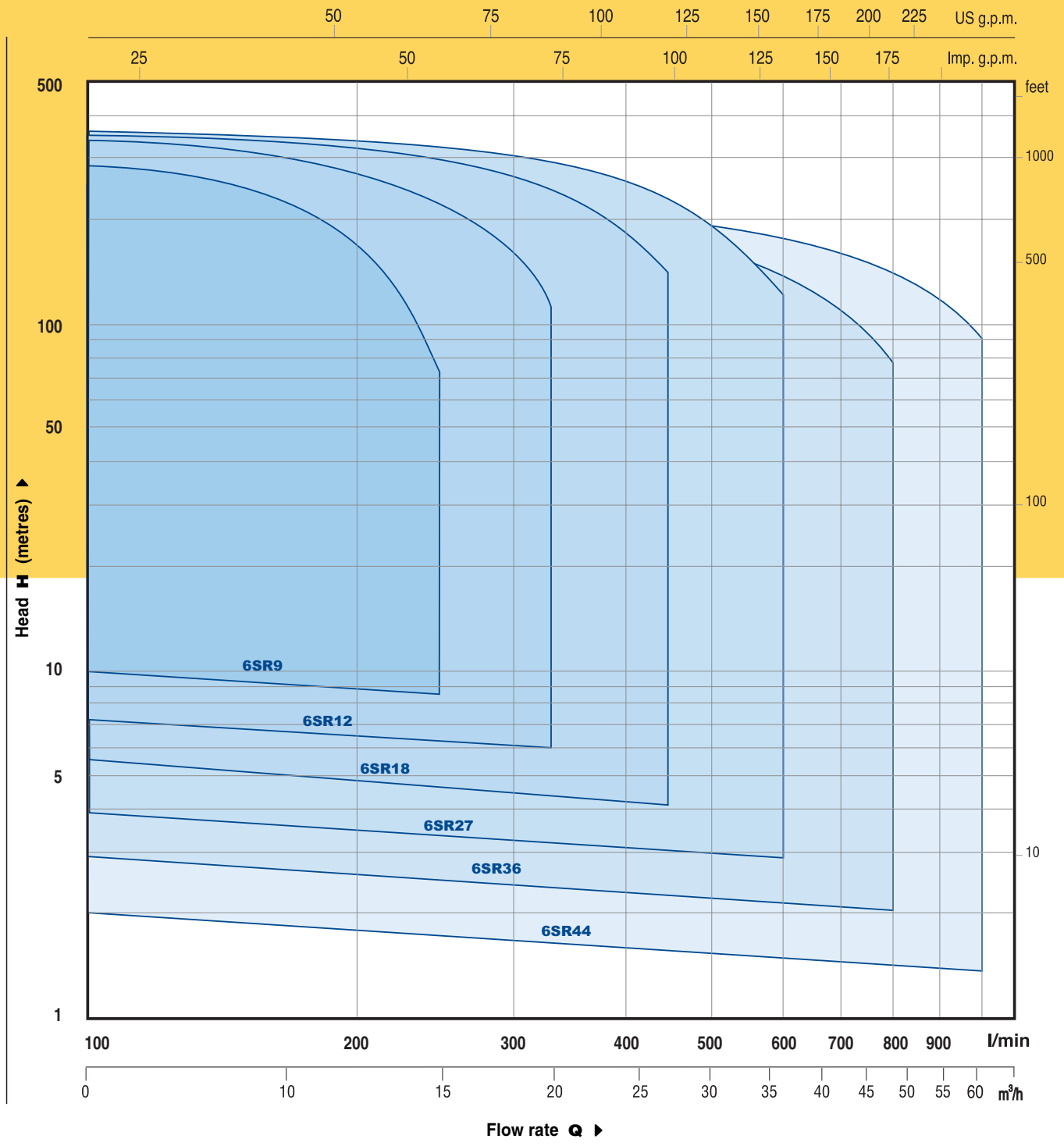
STANDARD FEATURES:

- 6SR** Available in three-phase only.
4" motors have 1.5m power cable
6" motors have 4m power cable

OPTIONS ON REQUEST

- ⇒ **Pedrollo 4"** submersible electric motor (up to 7.5 kW)
- ⇒ **Franklin Electric® 4"** submerged electric motor (up to 7.5 kW)
- ⇒ **Franklin Electric® 6"** submerged electric motor
- ⇒ two cable covers to suit dual voltage ⚡/▲ (star/ delta)
- ⇒ dual voltage motor: 230/400 V or 400/690 V ⚡/▲ (star/delta) (from 7.5 kW to 37 kW)
- ⇒ other voltages or frequency 60 Hz

RANGE OF PERFORMANCE AT n= 2900 1/min

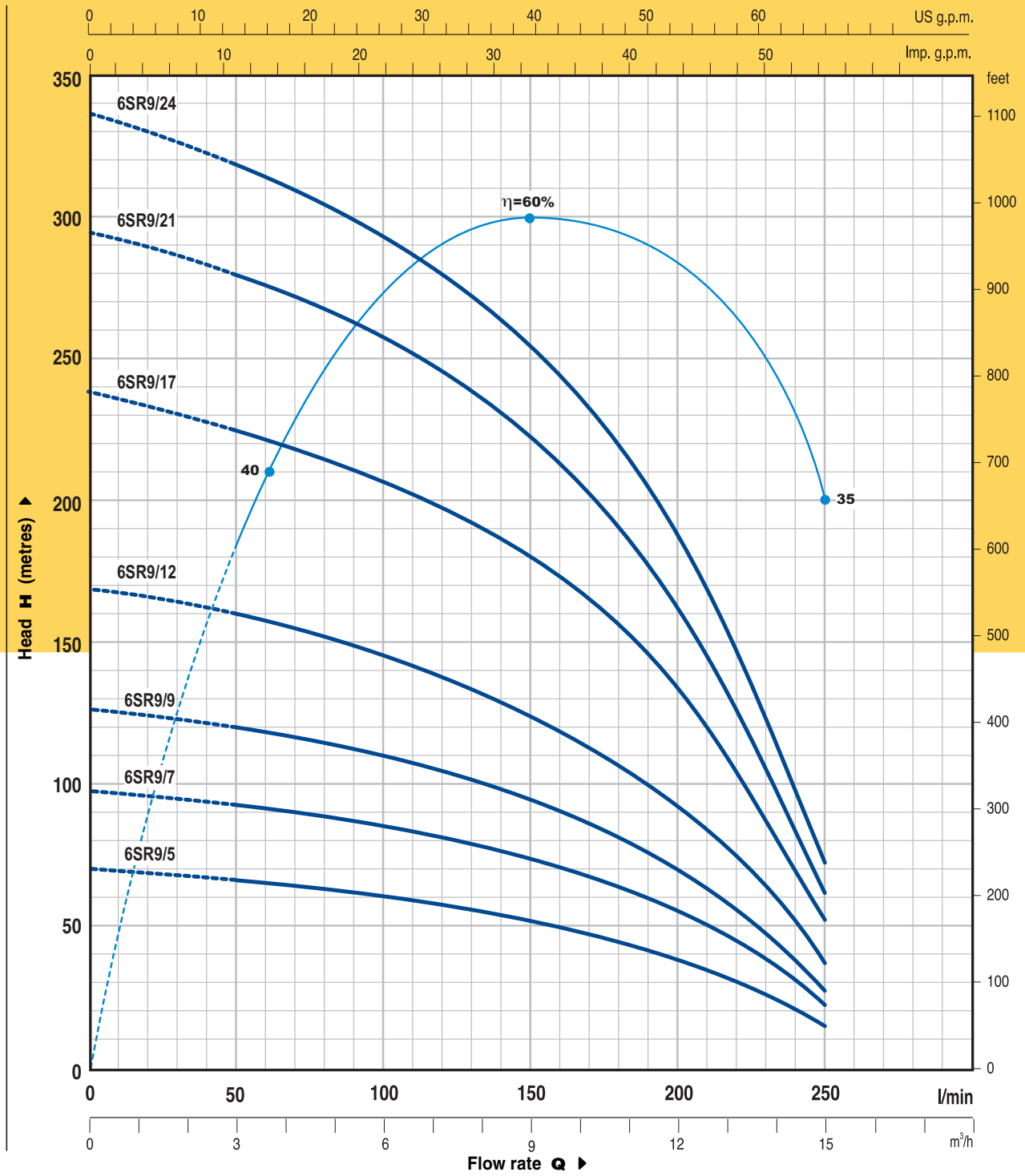


DESCRIPTION

6 SR 9 / 12

Borehole diameter in inches _____
 Series _____
 Flow rate in m³/h in the point of highest efficiency _____
 Number of stages _____

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



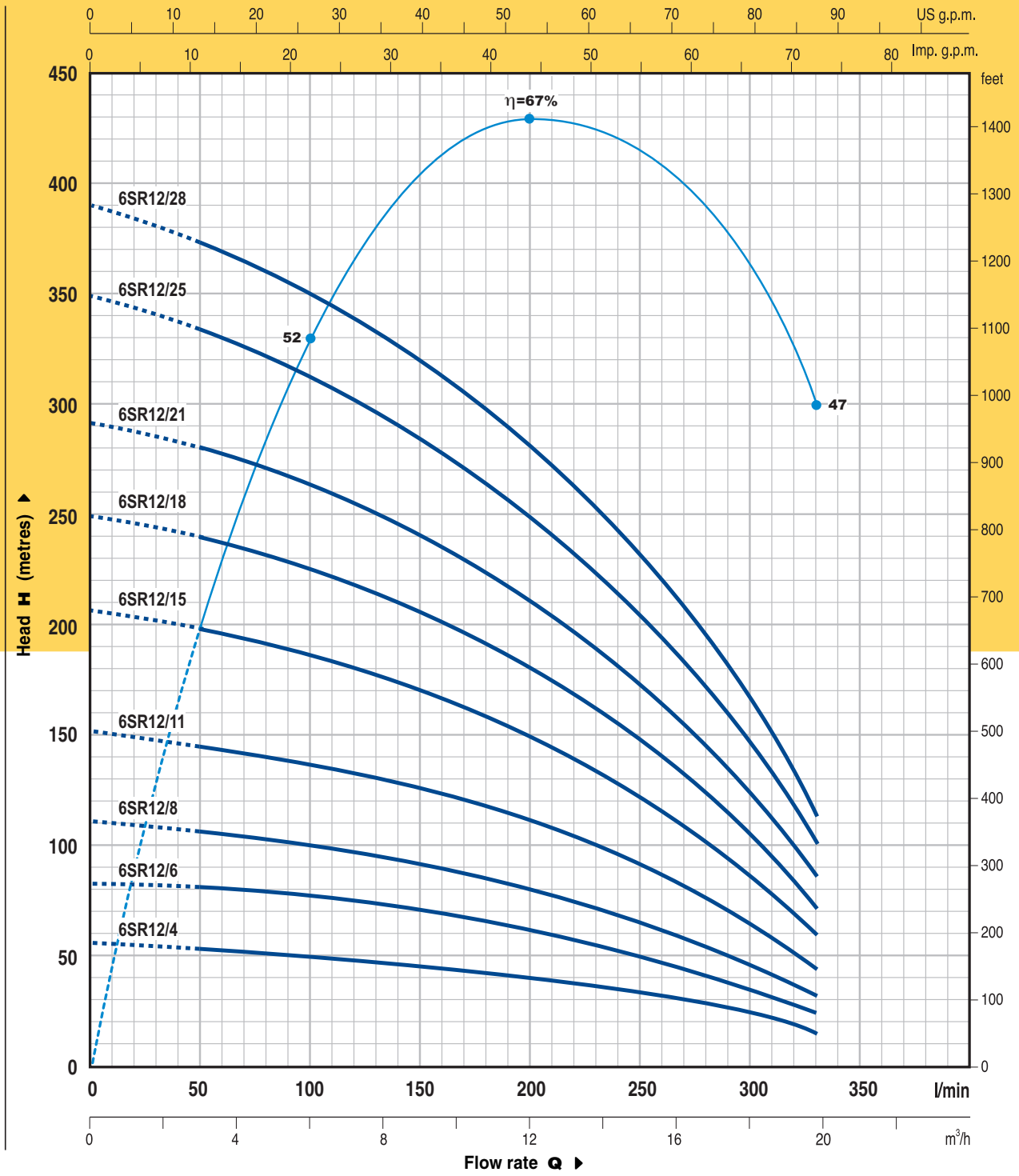
TYPE	POWER		Q	Flow rate					
	kW	HP		0	3	6	9	12	15
Three-phase				0	3	6	9	12	15
6SR9/5	2.2	3	l/min	0	50	100	150	200	250
6SR9/7	3	4	H metres	70	66	61	53	38	15
6SR9/9	4	5.5		98	92	85	74	53	21
6SR9/12	5.5	7.5		126	119	110	95	68	27
6SR9/17	7.5	10		168	158	146	127	91	36
6SR9/21	9.2	12.5		238	224	207	180	129	51
6SR9/24	11	15		294	278	256	222	160	63
				336	317	293	255	182	72

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

6SR12

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



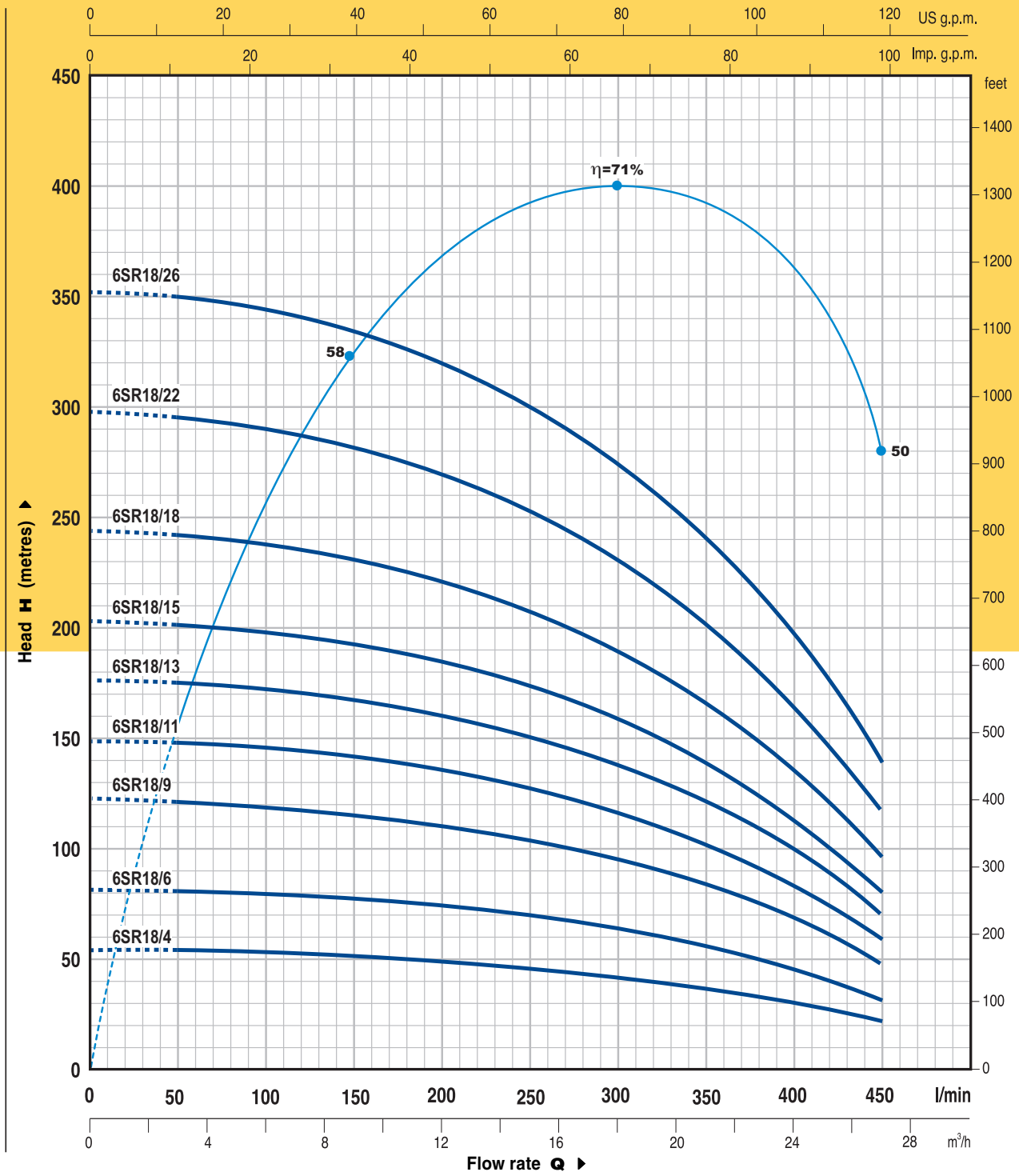
TYPE Three-phase	POWER		Q m ³ /h l/min	0	3.0	6.0	9.0	12.0	15.0	18.0	19.8
	kW	HP		0	50	100	150	200	250	300	330
6SR12/4	2.2	3	H metres	56	53	50	46	40	33	24	16
6SR12/6	3	4		84	80	79	69	60	50	36	24
6SR12/8	4	5.5		111	106	100	91	80	66	47	32
6SR12/11	5.5	7.5		153	146	138	125	110	91	65	44
6SR12/15	7.5	10		208	199	189	171	150	124	88	60
6SR12/18	9.2	12.5		250	239	225	205	180	149	106	72
6SR12/21	11	15		292	279	263	239	210	174	124	84
6SR12/25	13	17.5		349	331	313	285	250	206	147	100
6SR12/28	15	20		390	371	350	319	280	231	165	112

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

6SR18

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



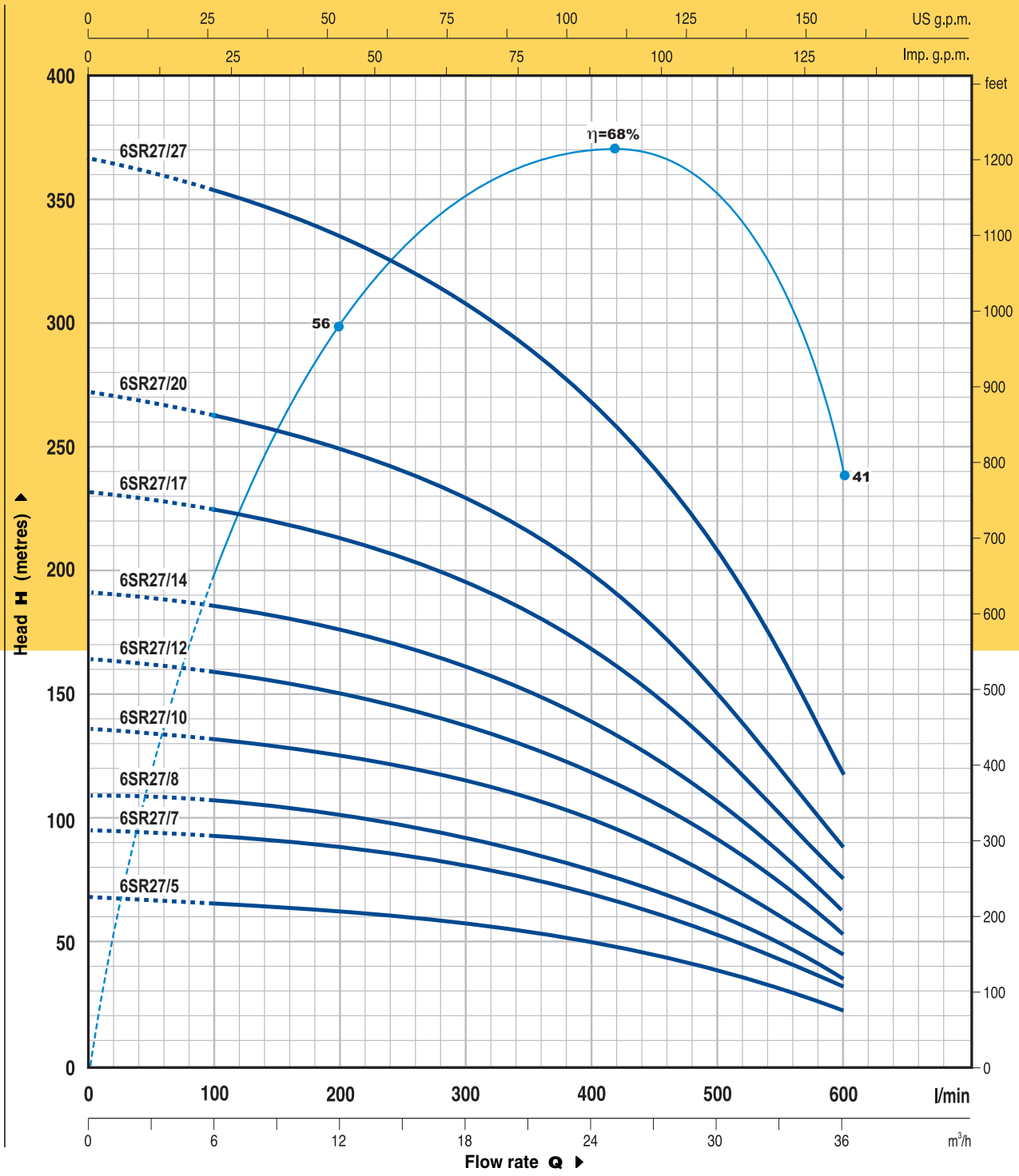
TYPE	POWER		Q	Flow rate (l/min)												
	kW	HP		0	3	6	9	12	15	18	21	24	27			
Three-phase				0	3	6	9	12	15	18	21	24	27			
6SR18/4	4	5.5	H metres	54	53.8	53	51	49	46	42	37	30	22			
6SR18/6	5.5	7.5		81	80.5	79	77	74	69	63	55	45	32			
6SR18/9	7.5	10		122	121	119	116	111	103	94	83	68	48			
6SR18/11	9.2	12.5		149	148	145.5	141	135	126	115	101	83	59			
6SR18/13	11	15		176	175	172	167	160	149	136	120	98	70			
6SR18/15	13	17.5		203	202	199	193	185	172	157	138	113	80			
6SR18/18	15	20		244	242	238	231	221	206	188	165	135	96			
6SR18/22	18.5	25		298	296	291	282	270	252	230	202	165	118			
6SR18/26	22	30		352	350	344	334	320	298	272	239	195	139			

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

6SR27

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



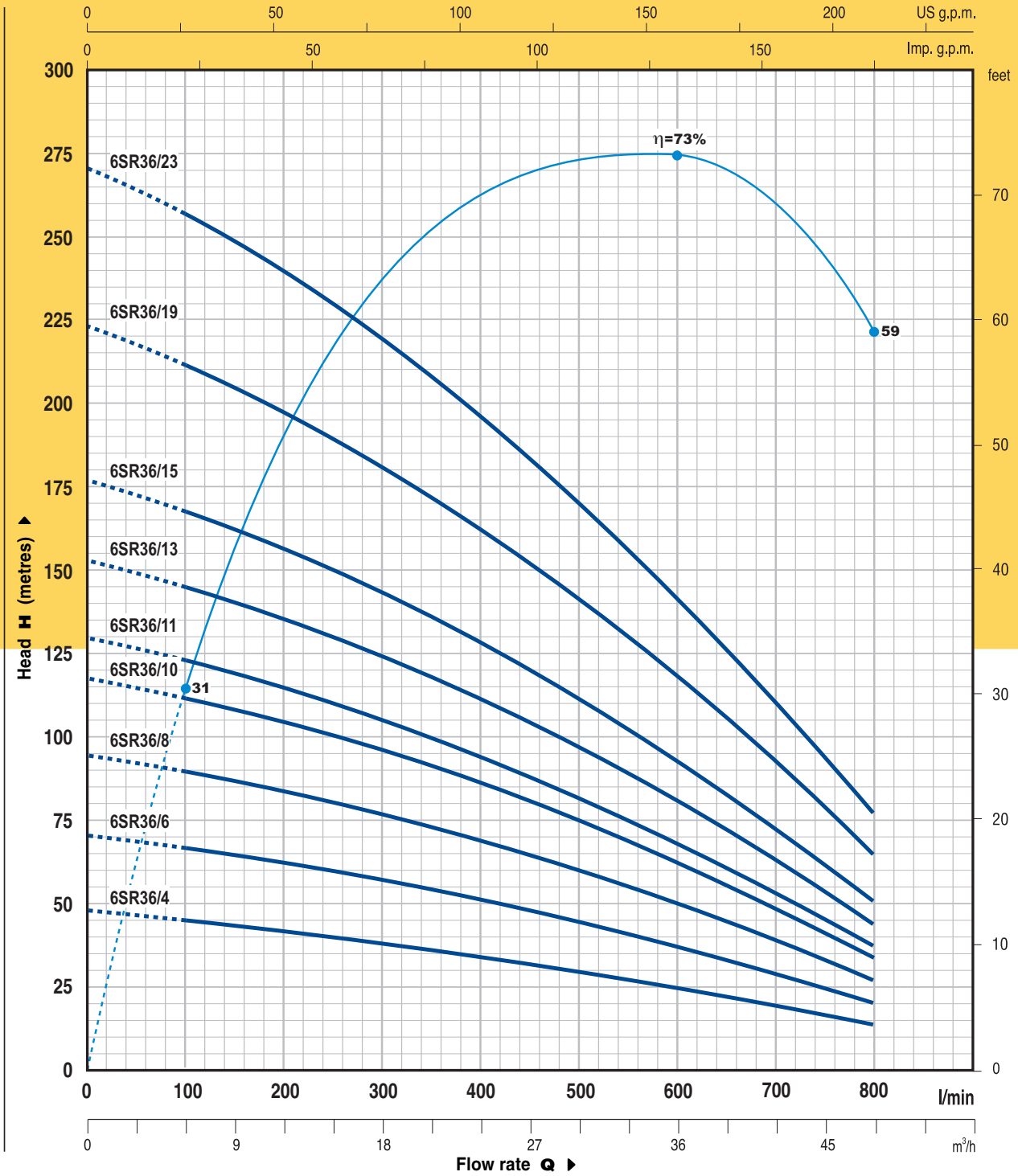
TYPE	POWER		Q	Flow rate								
	kW	HP		0	6	12	18	24	30	36		
Three-phase				0	100	200	300	400	500	600		
6SR27/5	5.5	7.5	H metres	68	66	62	57	50	37	22		
6SR27/7	7.5	10		95	92	87	80	70	52	31		
6SR27/8	9.2	12.5		109	106	99	91	80	59	35		
6SR27/10	11	15		136	132	124	114	100	74	44		
6SR27/12	13	17.5		164	159	149	137	120	89	53		
6SR27/14	15	20		191	185	174	160	140	104	62		
6SR27/17	18.5	25		231	224	211	194	170	126	75		
6SR27/20	22	30		272	264	248	228	200	148	88		
6SR27/27	30	40		367	356	335	308	270	205	119		

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

6SR36

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



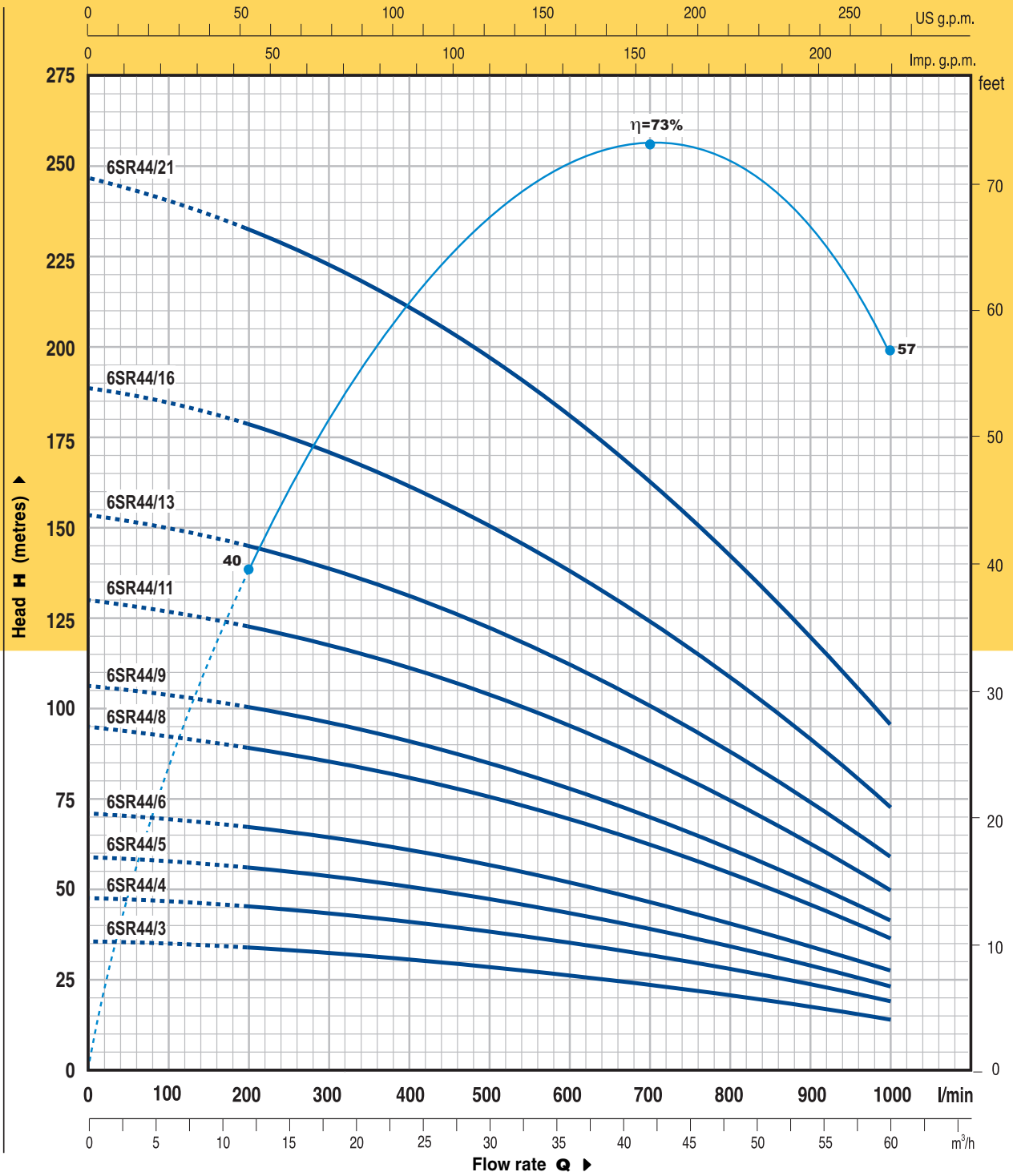
TYPE	POWER		Q l/min	m ³ /h											
	kW	HP		0	6	12	18	24	30	36	42	48			
Three-phase				0	100	200	300	400	500	600	700	800			
6SR36/4	4	5.5	H metres	47	45	42	38	34	29	25	19	14			
6SR36/6	5.5	7.5		70	67	63	57	51	44	37	29	20			
6SR36/8	7.5	10		94	89	84	76	68	59	50	39	27			
6SR36/10	9.2	12.5		117	111	105	95	85	74	62	48	34			
6SR36/11	11	15		129	123	115	105	93	81	68	53	37			
6SR36/13	13	17.5		152	145	136	124	110	96	81	63	44			
6SR36/15	15	20		176	167	157	143	127	110	93	72	51			
6SR36/19	18.5	25		222	212	199	181	161	140	118	92	65			
6SR36/23	22	30		269	256	241	219	195	169	143	111	78			

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

6SR44

CURVES AND PERFORMANCE DATA AT n= 2900 1/min



TYPE	POWER		Q	m ³ /h										
	kW	HP		0	12	18	24	30	36	42	48	54	60	
Three-phase			l/min	0	200	300	400	500	600	700	800	900	1000	
6SR44/3	4	5.5	H metres	35	33	31	30	28	26	23	20	17	13	
6SR44/4	5.5	7.5		47	44	42	40	37	34	31	27	23	18	
6SR44/5	7.5	10		58	54	52	49	46	43	38	33	28	22	
6SR44/6	9.2	12.5		70	65	62	59	56	51	46	40	34	26	
6SR44/8	11	15		93	87	83	79	74	68	61	53	45	35	
6SR44/9	13	17.5		105	98	93	89	83	77	69	60	51	39	
6SR44/11	15	20		128	120	114	109	102	94	84	73	62	48	
6SR44/13	18.5	25		151	141	135	128	120	111	99	86	73	57	
6SR44/16	22	30		186	174	166	158	148	136	122	106	90	70	
6SR44/21	30	40		244	228	218	207	194	179	160	139	118	92	

Q = Flow rate H = Total manometric head

Tolerance of the performance curves according to EN ISO 9906 App. A.

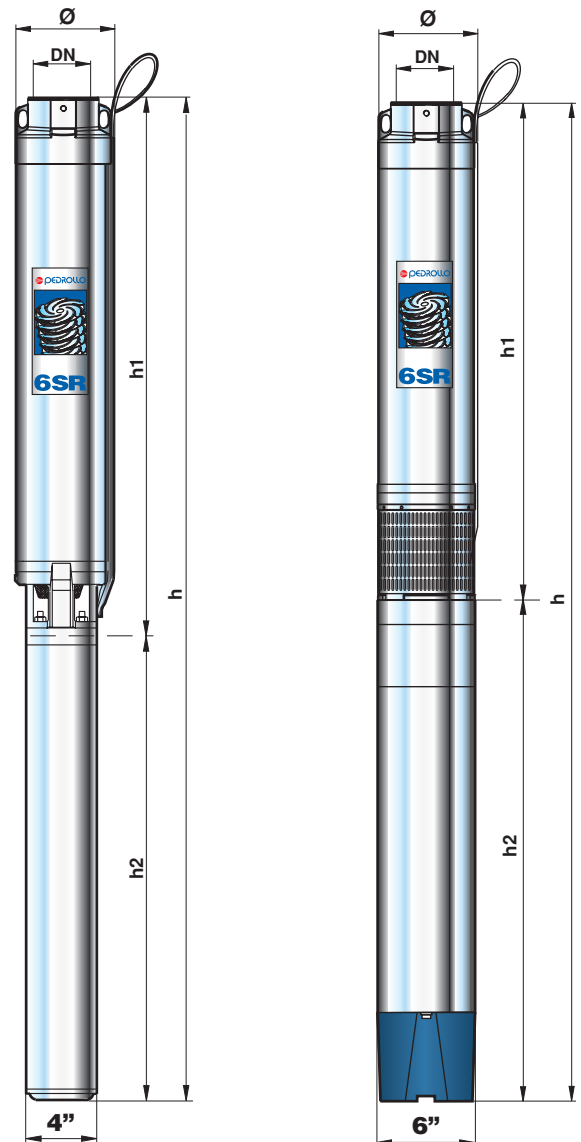
versions with 4" motors - A -

TYPE Trhee-phase	PORT DN	Ø	DIMENSIONS mm			kg
			h1	h2	h	
6 SR 9/5 LR -PD	3"	137	571	454	1025	31.3
6 SR 9/7 LR -PD			658	560	1218	34.8
6 SR 9/9 LR -PD			745	660	1405	42.4
6 SR 9/12 LR -PD			875	745	1620	49.3
6 SR 9/17 LR -PD			1137	850	1987	56.4
6 SR 12/4 LR -PD			528	454	982	30.3
6 SR 12/6 LR -PD			615	560	1175	33.8
6 SR 12/8 LR -PD			702	660	1362	41.5
6 SR 12/11 LR -PD			832	745	1577	48.3
6 SR 12/15 LR -PD			1051	850	1901	54.7
6 SR 18/4 LR -PD			528	660	1188	37.3
6 SR 18/6 LR -PD			615	745	1360	43.2
6 SR 18/9 LR -PD			746	850	1596	49.0
6 SR 27/5 LR -PD			619	745	1364	43.0
6 SR 27/7 LR -PD			725	850	1575	47.6

versions with 6" motors - B -

TYPE Trhee-phase	PORT DN	Ø	DIMENSIONS mm			kg		
			h1	h2	h			
6 SR 9/9 - PD	3"	146.5	776	599	1375	54.5		
6 SR 9/12 - PD			906	629	1535	59.2		
6 SR 9/17 - PD			1168	659	1827	67.4		
6 SR 9/21 - PD			1341	689	2030	80.1		
6 SR 9/24 - PD			1472	719	2191	86.3		
6 SR 12/8 - PD			732	599	1331	53.6		
6 SR 12/11 - PD			862	629	1491	60.4		
6 SR 12/15 - PD			1081	659	1740	65.7		
6 SR 12/18 - PD			1211	689	1900	71.4		
6 SR 12/21 - PD			1341	719	2060	83.2		
6 SR 12/25 - PD			1515	754	2269	89.5		
6 SR 12/28 - PD			1645	784	2429	94.6		
6 SR 18/4 - PD			559	599	1158	49.9		
6 SR 18/6 - PD			645	629	1274	53.7		
6 SR 18/9 - PD			776	659	1435	60.0		
6 SR 18/11 - PD			862	689	1551	66.2		
6 SR 18/13 - PD			994	719	1713	71.0		
6 SR 18/15 - PD			1081	754	1835	73.4		
6 SR 18/18 - PD			1211	784	1995	84.1		
6 SR 18/22 - PD			1385	844	2229	92.3		
6 SR 18/26 - PD			1558	904	2462	102.6		
6 SR 27/5 - PD			649	629	1278	53.5		
6 SR 27/7 - PD			755	659	1414	58.6		
6 SR 27/8 - PD			808	689	1497	62.6		
6 SR 27/10 - PD			914	719	1633	68.4		
6 SR 27/12 - PD			1065	754	1819	72.5		
6 SR 27/14 - PD			1171	784	1955	82.1		
6 SR 27/17 - PD			1329	844	2173	90.1		
6 SR 27/20 - PD			1488	904	2392	99.9		
6 SR 27/27 - PD			1858	1029	2887	129.4		
6 SR 36/4 - PD			3"	149.5	823	599	1422	55.4
6 SR 36/6 - PD					1049	629	1678	62.1
6 SR 36/8 - PD	1275	659			1934	69.2		
6 SR 36/10 - PD	1501	689			2190	76.2		
6 SR 36/11 - PD	1614	719			2333	81.2		
6 SR 36/13 - PD	1840	754			2594	87.2		
6 SR 36/15 - PD	2066	784			2850	93.3		
6 SR 36/19 - PD	2518	844			3362	105.4		
6 SR 36/23 - PD	2970	904			387	119.4		
6 SR 44/3 - PD	710	599			1309	54.0		
6 SR 44/4 - PD	823	629			1452	57.4		
6 SR 44/5 - PD	936	659			1595	63.1		
6 SR 44/6 - PD	1049	689			1738	68.1		
6 SR 44/8 - PD	1275	719			1994	75.2		
6 SR 44/9 - PD	1388	754			2142	79.2		
6 SR 44/11 - PD	1614	784			2398	85.2		
6 SR 44/13 - PD	1840	844			2684	98.2		
6 SR 44/16 - PD	2179	904			3083	103.3		
6 SR 44/21 - PD	2744	1029	3773	136.4				

DIMENSIONS AND WEIGHTS



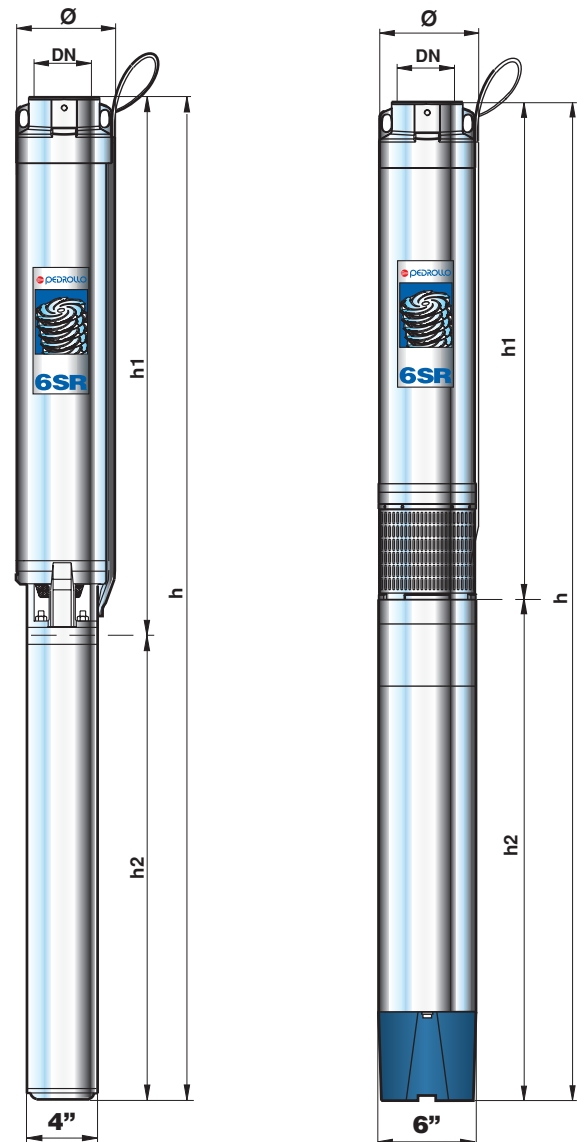
- A -

- B -

versions with 4" motors - A -

TYPE Three-phase	PORT DN	Ø	DIMENSIONS mm			kg
			h1	h2	h	
6 SR 9/5 LR - FK	3"	137	571	356	927	26.6
6 SR 9/7 LR - FK			658	423	1081	31.4
6 SR 9/9 LR - FK			745	584	132	38.8
6 SR 9/12 LR - FK			875	698	1573	47.0
6 SR 9/17 LR - FK			1137	774	1911	59.4
6 SR 12/4 LR - FK			528	356	884	25.7
6 SR 12/6 LR - FK			615	423	1038	30.5
6 SR 12/8 LR - FK			702	584	1286	37.9
6 SR 12/11 LR - FK			832	698	1530	46.1
6 SR 12/15 LR - FK			1051	774	1825	57.7
6 SR 18/4 LR - FK			528	584	1112	34.3
6 SR 18/6 LR - FK			615	698	1313	41.6
6 SR 18/9 LR - FK			746	774	1520	52.0
6 SR 27/5 LR - FK			619	698	1317	41.4
6 SR 27/7 LR - FK			725	774	1499	50.6

DIMENSIONS AND WEIGHTS



- A -

- B -

versions with 6" motors - B -

TYPE Three-phase	PORT DN	Ø	DIMENSIONS mm			kg
			h1	h2	h	
6 SR 9/9 - FK	3"	143.5	776	582	1358	56.0
6 SR 9/12 - FK			906	615	1521	62.3
6 SR 9/17 - FK			1168	647	1815	71.6
6 SR 9/21 - FK			1341	679	2020	83.6
6 SR 9/24 - FK			1472	712	2184	90.2
6 SR 12/8 - FK			732	582	1314	55.1
6 SR 12/11 - FK			862	615	1477	63.5
6 SR 12/15 - FK			1081	647	1728	69.9
6 SR 12/18 - FK			1211	679	1890	74.9
6 SR 12/21 - FK			1341	712	2053	87.1
6 SR 12/25 - FK			1515	777	2292	97.2
6 SR 12/28 - FK			1645	777	2422	100.3
6 SR 18/4 - FK			559	582	1141	51.4
6 SR 18/6 - FK			645	615	1260	56.8
6 SR 18/9 - FK			776	647	1423	64.2
6 SR 18/11 - FK			862	679	1541	69.7
6 SR 18/13 - FK		994	712	1706	74.9	
6 SR 18/15 - FK		1081	777	1858	81.1	
6 SR 18/18 - FK		1211	777	1988	89.8	
6 SR 18/22 - FK		1385	842	2227	100.6	
6 SR 18/26 - FK		1558	907	2465	110.9	
6 SR 27/5 - FK		649	615	1264	56.6	
6 SR 27/7 - FK		755	647	1402	62.8	
6 SR 27/8 - FK		808	679	1487	66.1	
6 SR 27/10 - FK		914	712	1626	72.3	
6 SR 27/12 - FK		1065	777	1842	80.2	
6 SR 27/14 - FK		1171	777	1948	87.8	
6 SR 27/17 - FK		1329	842	2171	98.4	
6 SR 27/20 - FK		1488	907	2395	108.2	
6 SR 27/27 - FK		1858	1037	2895	131.3	
6 SR 36/4 - FK		823	582	1405	56.9	
6 SR 36/6 - FK		1049	615	1664	65.2	
6 SR 36/8 - FK	1275	647	1922	73.4		
6 SR 36/10 - FK	1501	679	2180	79.7		
6 SR 36/11 - FK	1614	712	2326	85.1		
6 SR 36/13 - FK	1840	777	2617	94.9		
6 SR 36/15 - FK	2066	777	2843	99.0		
6 SR 36/19 - FK	2518	842	3360	113.7		
6 SR 36/23 - FK	2970	907	3877	127.7		
6 SR 44/3 - FK	710	582	1292	55.5		
6 SR 44/4 - FK	823	615	1438	60.5		
6 SR 44/5 - FK	936	647	1583	67.3		
6 SR 44/6 - FK	1049	679	1728	71.6		
6 SR 44/8 - FK	1275	712	1987	79.1		
6 SR 44/9 - FK	1388	777	2165	86.9		
6 SR 44/11 - FK	1614	777	2391	90.9		
6 SR 44/13 - FK	1840	842	2682	101.5		
6 SR 44/16 - FK	2179	907	3086	111.6		
6 SR 44/21 - FK	2744	1037	3781	138.3		