

SP
n≈3500rpm

Stainless deep well pump
Bomba de pozo profundo inoxidable
Pompe pour puits profonds inoxydable
Нержавеющий глубинный насос

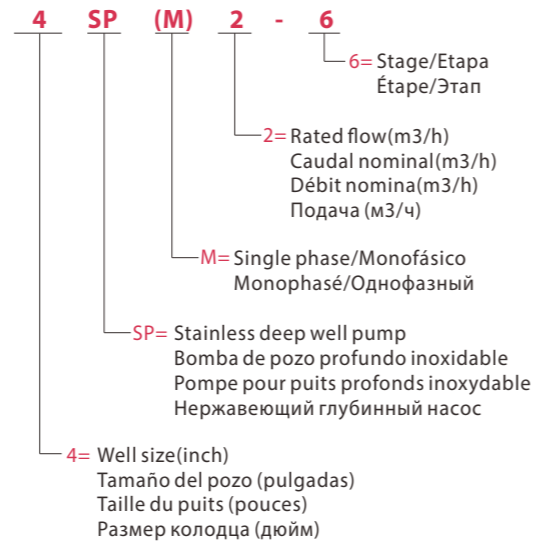
DESCRIPTION/DESCRIPCIONES/DESCRIPTION/ОПИСАНИЕ

- ◆ SP whole range submersible deep well pump.
 - ◆ Impeller and diffuser in stainless steel 304.
 - ◆ Motor top chock available with cast iron or cast brass.
 - ◆ NEMA dimension standards.
- ◆ Bomba sumergible para pozos profundos de toda la gama SP.
 - ◆ Impulsor y difusor en acero inoxidable 304.
 - ◆ Calzo superior del motor disponible con hierro fundido o latón fundido.
 - ◆ Estándares de dimensiones NEMA.
- ◆ Pompe submersible pour puits profonds de toute la gamme SP.
 - ◆ Roue et diffuseur en acier inoxydable 304.
 - ◆ Cale supérieure du moteur disponible en fonte ou en laiton moulé.
 - ◆ Normes dimensionnelles NEMA.
- ◆ SP весь ассортимент погружных глубинных насосов.
 - ◆ Рабочее колесо и диффузор из нержавеющей стали 304.
 - ◆ Верхняя подушка двигателя доступна из чугуна или латуни.
 - ◆ Стандарты размеров NEMA.

USING/UTILIZACIÓN/UTILISATION/ИСПОЛЬЗОВАНИЕ

- ◆ Water temperature: up to 50°C
 - ◆ Maximum sand content: 0.25%
 - ◆ Minimum well diameter: 4"(4SP)/6"(6SP)/8"(8SP)
 - ◆ Cable length: 2m
- ◆ Temperatura del agua: hasta 50°C
 - ◆ Contenido máximo de arena: 0,25%
 - ◆ Diámetro mínimo del pozo: 4"(4SP)/6"(6SP)/8"(8SP)
 - ◆ Longitud del cable: 2m
- ◆ Température de l'eau : jusqu'à 50°C
 - ◆ Teneur maximale en sable : 0,25 %
 - ◆ Diamètre minimum du puits : 4"(4SP)/6"(6SP)/8"(8SP)
 - ◆ Longueur du câble : 2m
- ◆ Температура воды: до 50°C
 - ◆ Максимальное содержание песка: 0,25%
 - ◆ Минимальный диаметр колодца: 4"(4SP)/6"(6SP)/8"(8SP)
 - ◆ Длина кабеля: 2м

MODEL CODE/CÓDIGO MODELO/ CODE MODÈLE/ КОД МОДЕЛИ



4SP

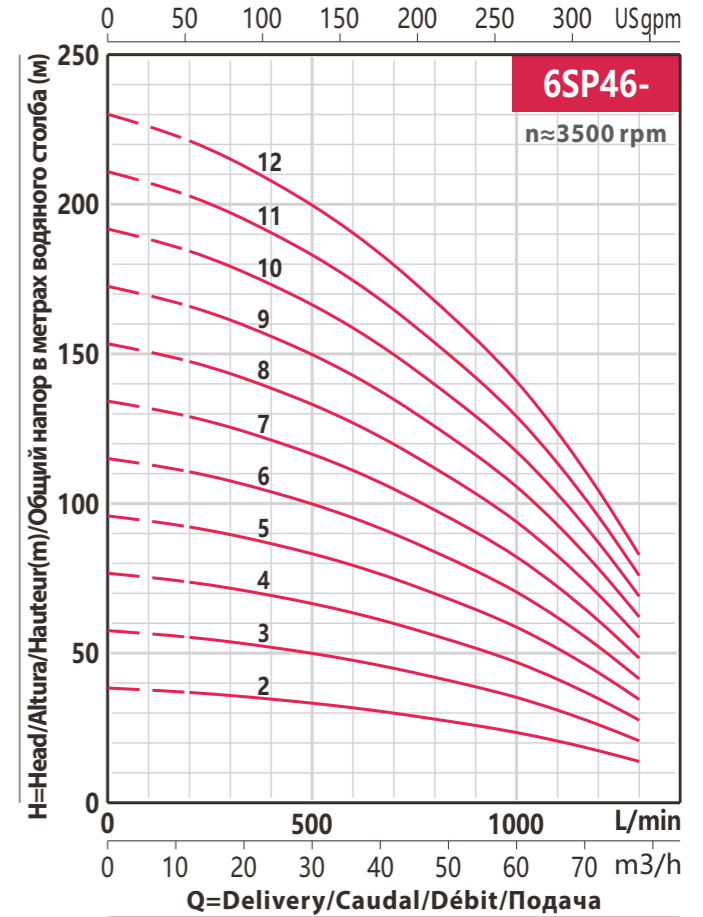
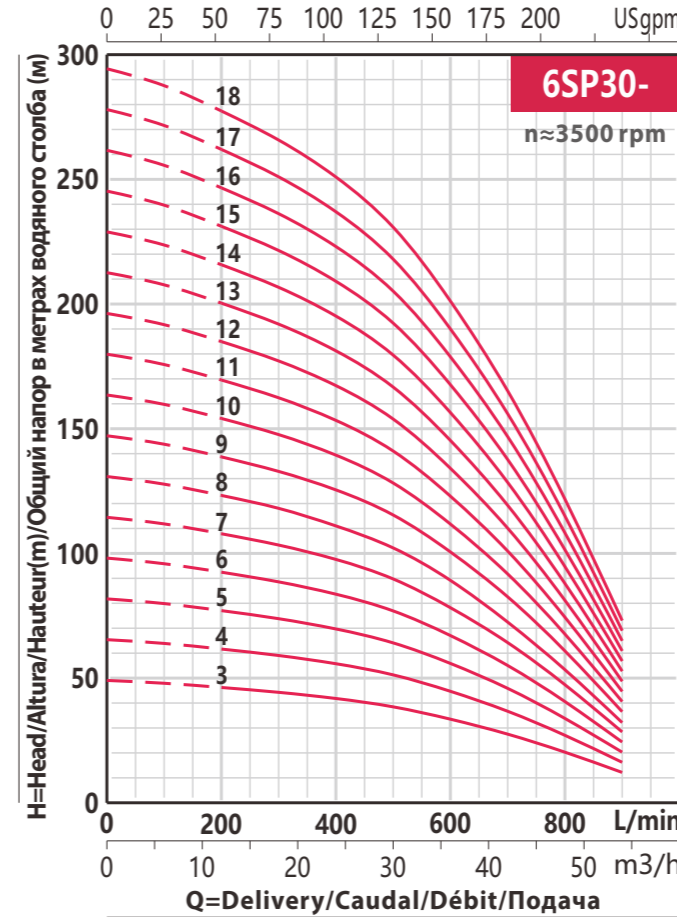
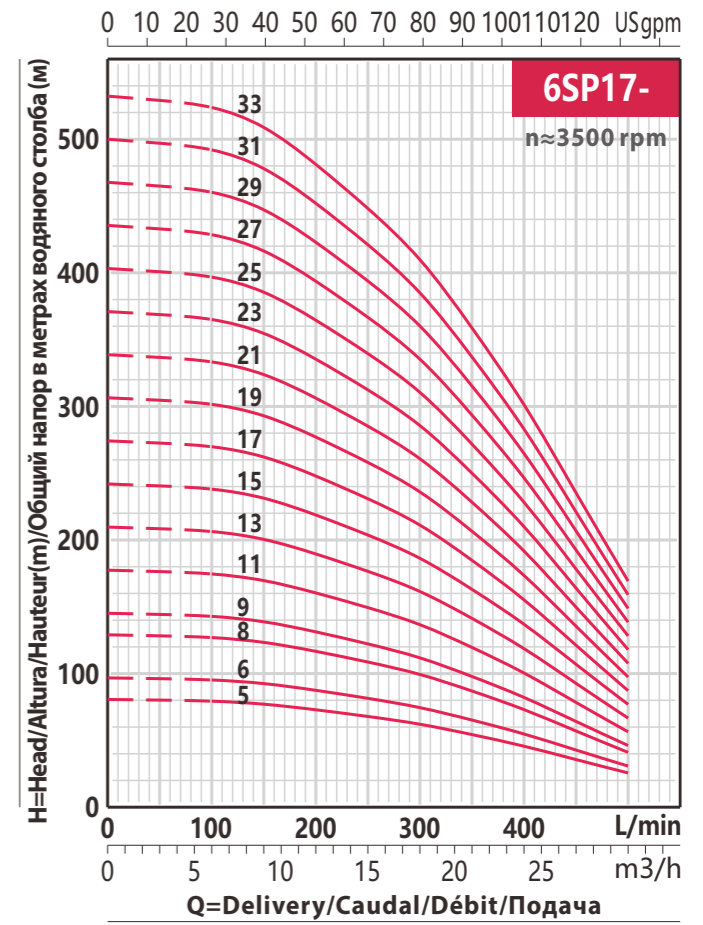
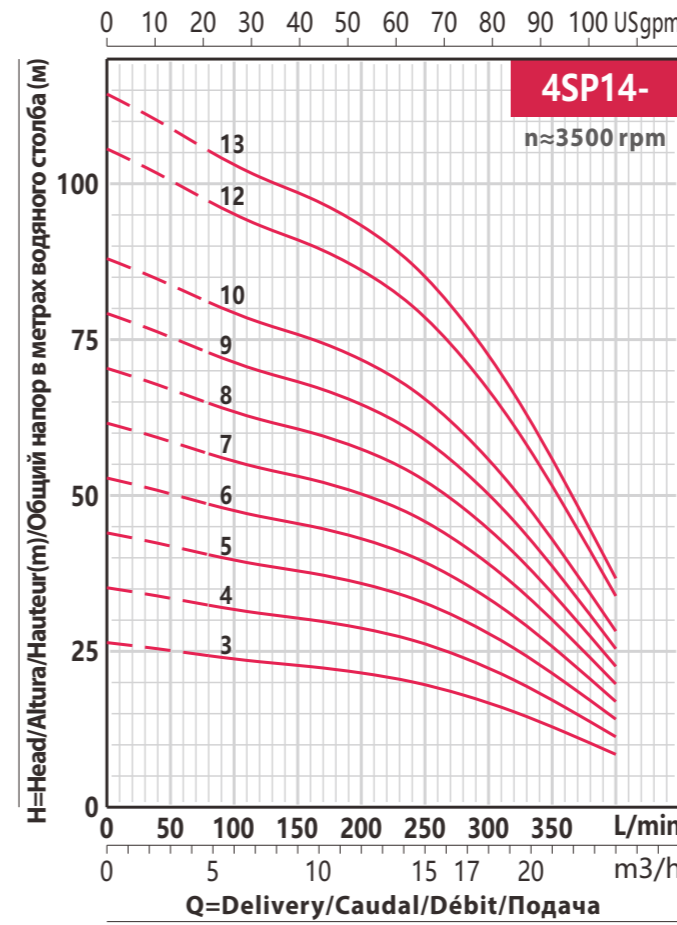
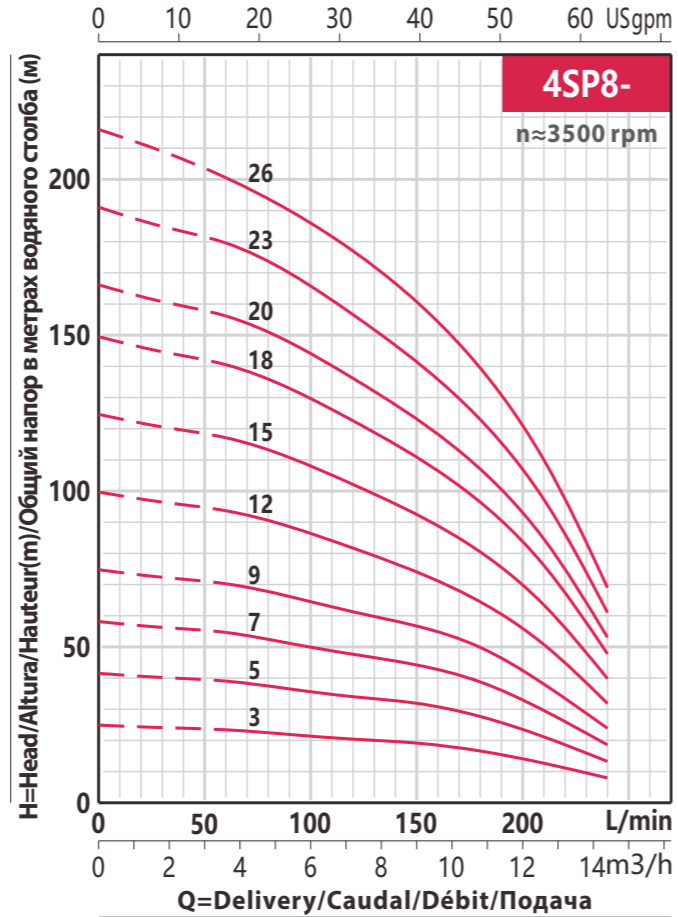
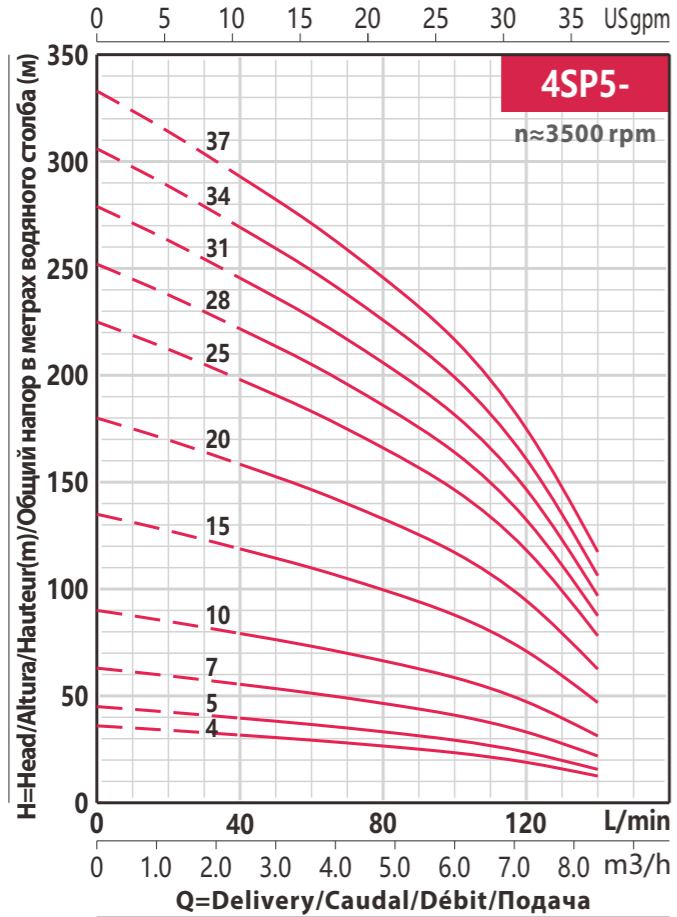
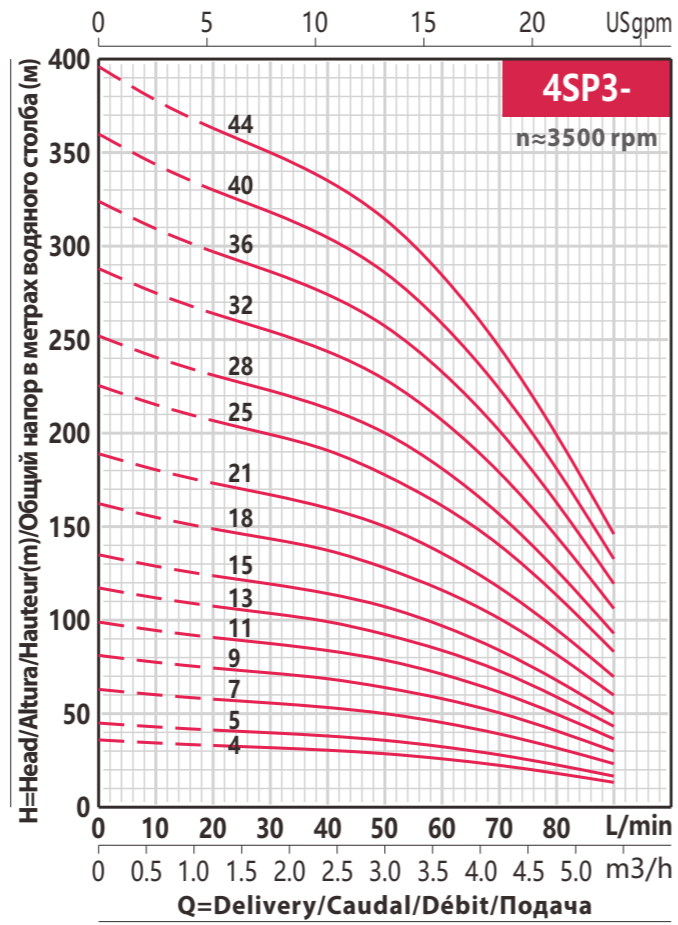
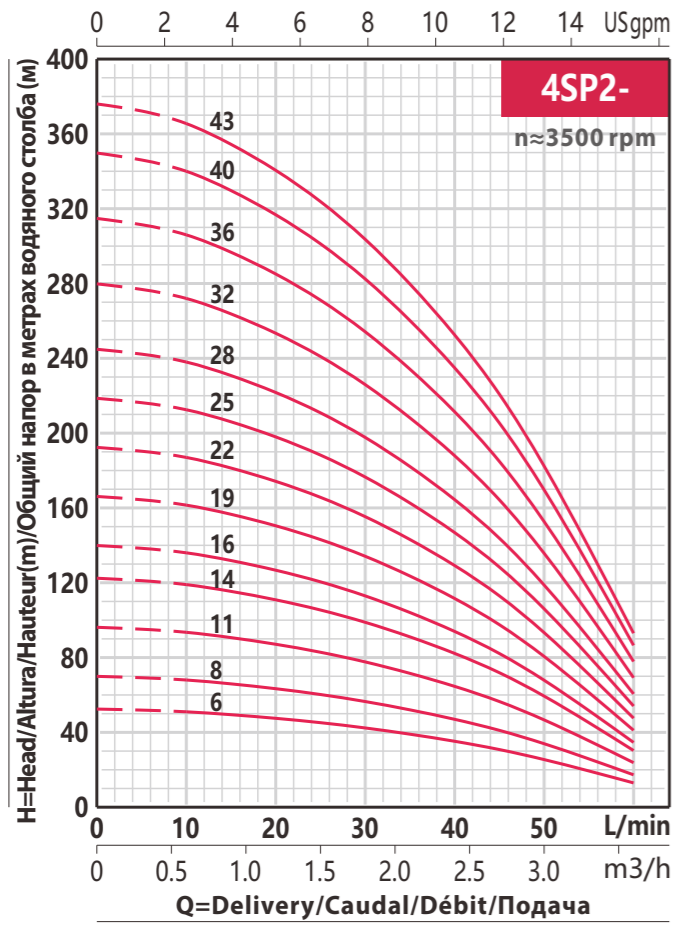
6SP

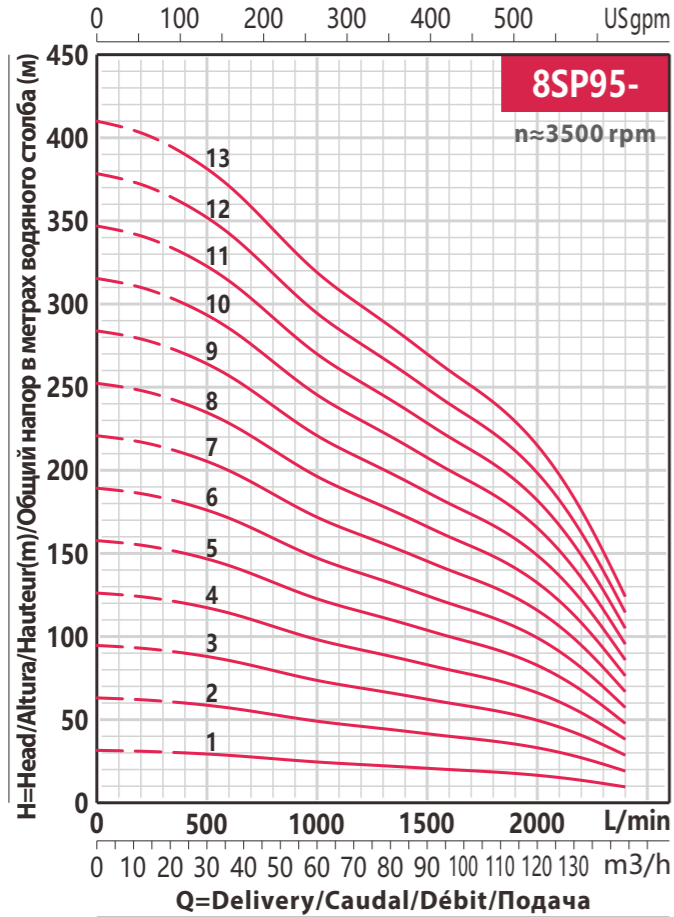
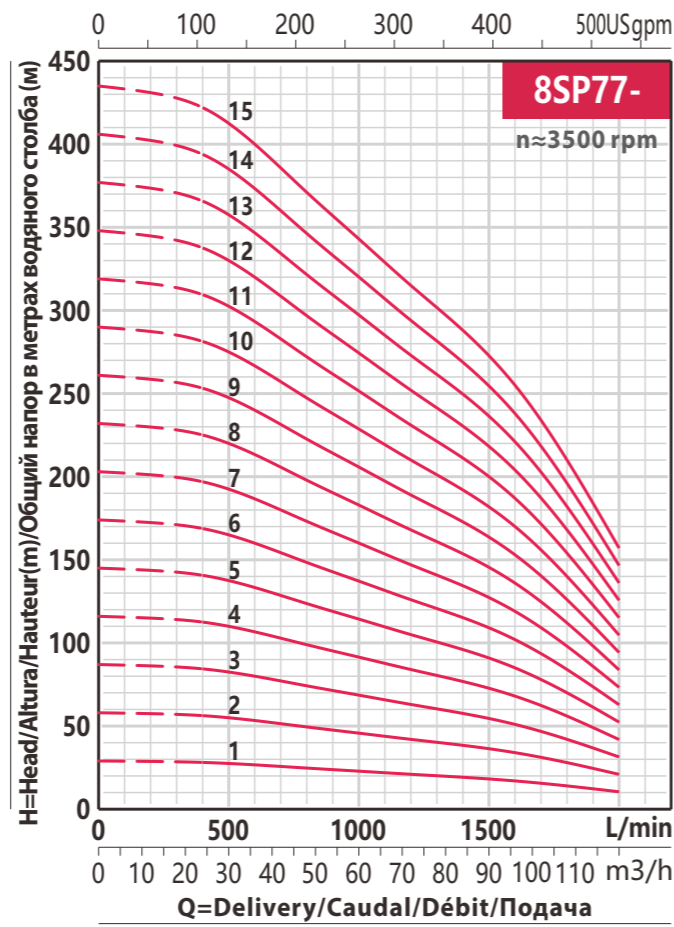
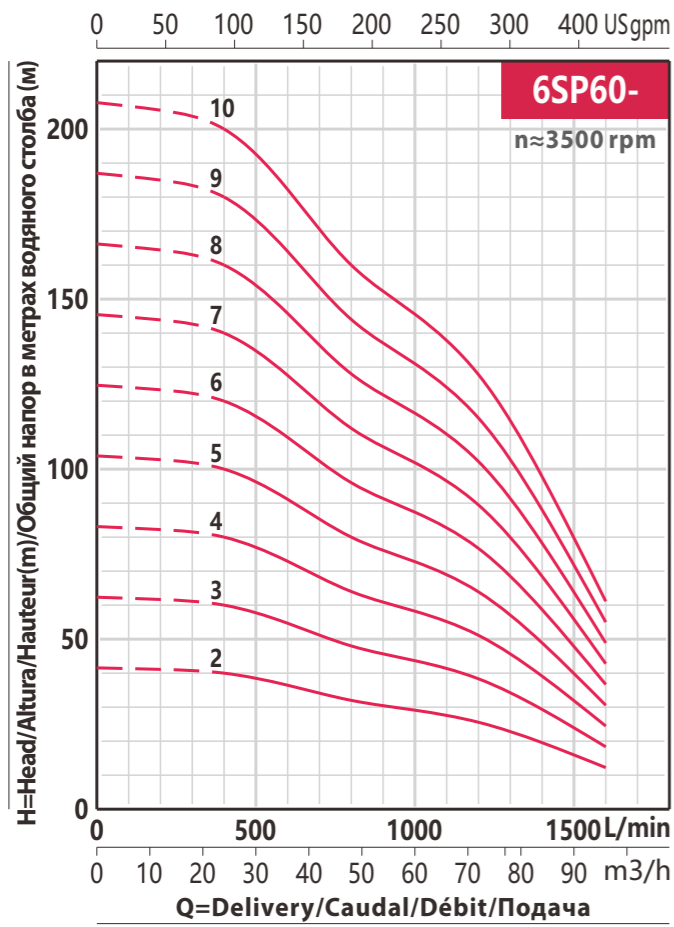
8SP

TECHNICAL DATA/DATOS TÉCNICOS/DONNÉES TECHNIQUES/ТЕХНИЧЕСКИЕ ДАННЫЕ

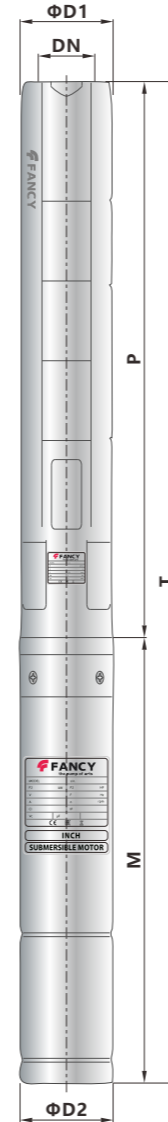
60Hz n≈3500l/min

MODEL MODELO MODÈLE МОДЕЛЬ	DN	Power Potencia Puissance Мощность	Q=Delivery/Caudal/Débit/Поддача																					
			GPM 0	1.3	2.6	5.3	7.9	8.8	10.6	13.2	15.9	18.5	22.0	23.8	31.7	35.2	37.0	39.6	47.6	55.5	63.4			
1-ph	3-ph	inch	kw	hp	l/min 0	5	10	20	30	33	40	50	60	70	83	90	120	133	140	150	180	210	240	
					m³/h 0	0.3	0.6	1.2	1.8	2	2.4	3	3.6	4.2	5	5.4	7.2	8	8.4	9	10.8	12.6	14.4	
					H=Head(m)/Altura(m)/Hauteur(m)/Общий напор в метрах водяного столба (м)																			
4SPM2-6	4SP2-6	1.2"/1.5"	0.37	0.5	52	52	51	47	42	39	35	25	12	-	-	-	-	-	-	-	-	-	-	
4SPM2-8	4SP2-8	1.2"/1.5"	0.55	0.75	70	69	68	63	56	53	47	34	17	-	-	-	-	-	-	-	-	-	-	
4SPM2-11	4SP2-11	1.2"/1.5"	0.75	1	96	95	93	87	77	73	65	47	24	-	-	-	-	-	-	-	-	-	-	
4SPM2-14	4SP2-14	1.2"/1.5"	0.92	1.25	122	121	119	111	98	93	83	60	30	-	-	-	-	-	-	-	-	-	-	
4SPM2-16	4SP2-16	1.2"/1.5"	1.1	1.5	140	138	136	127	112	107	95	69	34	-	-	-	-	-	-	-	-	-	-	
4SPM2-19	4SP2-19	1.2"/1.5"	1.3	1.75	166	164	161	150	133	126	112	81	41	-	-	-	-	-	-	-	-	-	-	
4SPM2-22	4SP2-22	1.2"/1.5"	1.5	2	193	190	187	174	154	147	130	94	47	-	-	-	-	-	-	-	-	-	-	
4SPM2-25	4SP2-25	1.2"/1.5"	1.8	2.5	219	216	212	198	175	166	148	107	54	-	-	-	-	-	-	-	-	-	-	
4SPM2-28	4SP2-28	1.2"/1.5"	2.2	3	245	242	238	222	196	187	166	120	60	-	-	-	-	-	-	-	-	-	-	
-	4SP2-32	1.2"/1.5"	2.6	3.5	280	276	272	253	224	213	189	137	69	-	-	-	-	-	-	-	-	-	-	
-	4SP2-36	1.2"/1.5"	3	4	315	311	306	285	252	240	213	154	78	-	-	-	-	-	-	-	-	-	-	
-	4SP2-40	1.2"/1.5"	3.7	5	350	345	340	316	280	267	236	171	86	-	-	-	-	-	-	-	-	-	-	
-	4SP2-43	1.2"/1.5"	4	5.5	376	371	366	340	301	287	254	184	93	-	-	-	-	-	-	-	-	-	-	
4SPM3-4	4SP3-4	1.2"/1.5"	0.37	0.5	37	-	35	33	32	31	30	29	26	23	16	13	-	-	-	-	-	-	-	
4SPM3-5	4SP3-5	1.2"/1.5"	0.55	0.75	46	-	44	42	41	40	39	36	33	29	21	17	-	-	-	-	-	-	-	
4SPM3-7	4SP3-7	1.2"/1.5"	0.75	1	64	-	61	58	56	55	53	50	45	39	28	23	-	-	-	-	-	-	-	
4SPM3-9	4SP3-9	1.2"/1.5"	0.92	1.25	81	-	77	74	72	71	69	64	58	50	37	30	-	-	-	-	-	-	-	
4SPM3-11	4SP3-11	1.2"/1.5"	1.1	1.5	100	-	95	91	88	87	84	79	71	62	46	37	-	-	-	-	-	-	-	
4SPM3-13	4SP3-13	1.2"/1.5"	1.3	1.75	117	-	112	107	103	102	99	92	84	73	54	43	-	-	-	-	-	-	-	
4SPM3-15	4SP3-15	1.2"/1.5"	1.5	2	135	-	129	124	119	117	114	107	96	84	62	50	-	-	-	-	-	-	-	
4SPM3-18	4SP3-18	1.2"/1.5"	1.8	2.5	162	-	155	149	143	141	137	128	116	101	74	60	-	-	-	-	-	-	-	
4SPM3-21	4SP3-21	1.2"/1.5"	2.2	3	189	-	180	173	167	165	160	150	135	117	87	70	-	-	-	-	-	-	-	
-	4SP3-25	1.2"/1.5"	2.6	3.5	225	-	215	206	199	196	190	177	161	140	103	83	-	-	-	-	-	-	-	
-	4SP3-28	1.2"/1.5"	3	4	252	-	241	231	223	220	213	200	180	157	116	93	-	-	-	-	-	-	-	
-	4SP3-32	1.2"/1.5"	3.7	5	288	-	275	264	255	251	244	229	206	179	132	106	-	-	-	-	-	-	-	
-	4SP3-36	1.2"/1.5"	4	5.5	324	-	309	297	286	282	274	257	232	201	148	119	-	-	-	-	-	-	-	
-	4SP3-40	1.2"/1.5"	5	7	360	-	344	330	318	314	305	286	257	224	165	133	-	-	-	-	-	-	-	
-	4SP3-44	1.2"/1.5"	5.5	7.5	396	-	378	363	350	345	335	314	283	246	181	146	-	-	-	-	-	-	-	
4SPM5-4	4SP5-4	1.2"/1.5"	0.55	0.75	36	-	-	34	33	33	32	31	29	28	26	25	19	14	12	-	-	-	-	
4SPM5-5	4SP5-5	1.2"/1.5"	0.75	1	45	-	-	42	41	41	40	38	36	35	33	31	24	19	16	-	-	-	-	
4SPM5-7	4SP5-7	1.2"/1.5"	1.1	1.5	63	-	-	59	57	56	55	53	51	49	46	44	33	26	22	-	-	-	-	
4SPM5-10	4SP5-10	1.2"/1.5"	1.5	2	90	-	-	85	82	81	79	76	73	71	67	64	47	36	31	-	-	-	-	
4SPM5-15	4SP5-15	1.2"/1.5"	2.2	3	135	-	-	127	123	122	119	115	110	106	99	95	71	55	47	-	-	-	-	
-	4SP5-20	1.2"/1.5"	3	4	180	-	-	170	164	162	158	152	146	140	131	125	95	73	62	-	-	-	-	
-	4SP5-25	1.2"/1.5"	4	5.5	225	-	-	212	205	203	198	191	183	176	164	157	118	91	78	-	-	-	-	
-	4SP5-28	1.2"/1.5"	5	7	252	-	-	238	230	227	222	214	205	197	184	176	132	102	87	-	-	-	-	
-	4SP5-31	1.2"/1.5"	5.5	7.5	279	-	-	263	254	251	245	236	227	218	204	195	147	114	97	-	-	-	-	
-	4SP5-34	1.2"/1.5"	7	10	306	-	-	289	279	276	269	259	249	239	223	213	161	124	106	-	-	-	-	
-	4SP5-37	1.2"/1.5"	7.5	10	333	-	-	314	304	300	293	282	271	260	243	233	175	136	116	-	-	-	-	
4SPM8-3	4SP8-3	2"	0.75	1	25	-	-	-	24	24	24	24	23	23	22	20	20	19	17	13	8	-	-	
4SPM8-5	4SP8-5	2"	1.1	1.5	42	-	-	-	40	40	40	40	39	38	37	34	33	32	28	21	13	-	-	
4SPM8-7	4SP8-7	2"	1.5	2	58	-	-	-	56	56	56	56	55	54	52	51	48	47	46	45	39	30	19	
4SPM8-9	4SP8-9	2"	2.2	3	75	-	-	-	72	72	72	71	70	69	67	66	61	59	58	57	50	38	24	
-	4SP8-12	2"	3	4	100	-	-	-	96	96	96	95	94	92	89	88	82	80	79	77	66	51	32	
-	4SP8-15	2"	4	5.5	125	-	-	-	121	121	120	119	117	115	112	110	102	99	98	96	83	63	40	
-	4SP8-18	2"	5	7	150	-	-	-	145	145	144	143	141	138	134	132	123	119	117	115	100	76	48	
-	4SP8-20	2"	5.5	7.5	166	-	-	-	161	160	159	158	156	153	148	146	136	132	130	128	111	85	53	
-	4SP8-23	2"	7	10	191	-	-	-	185	184	183	182	180	176	171	168	157	153	151	147	127	97	61	
-	4SP8-26	2"	7.5	10	216	-	-	-	209	208	207	205	203	199	193	190	177	172	170	166	144	110	69	



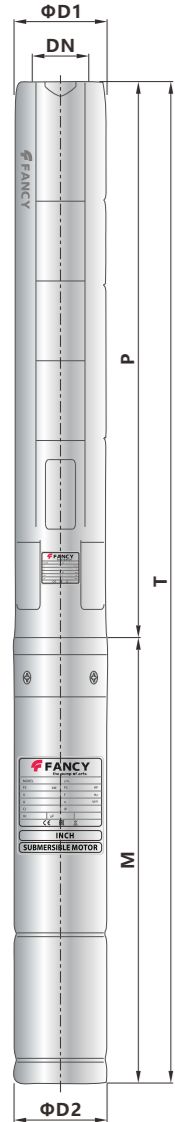


DIMENSIONS AND N.W./DIMENSIONES Y PESOS/DIMENSIONS ET POIDS/РАЗМЕРЫ И ВЕС



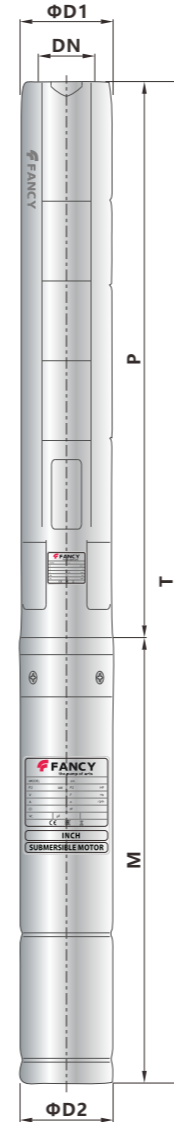
MODEL MODELO MODÈLE МОДЕЛЬ		DN	DIMENSIONS/DIMENSIONES/DIMENSIONS/РАЗМЕРЫ mm						NW kg					
1-ph	3-ph	inch	P	M		T		ΦD1	ΦD2	P	M		T	
				1-ph	3-ph	1-ph	3-ph				1-ph	3-ph	1-ph	3-ph
4SPM2-6	4SP2-6	1.2"/1.5"	275	314	314	589	589	100	95	2	6.6	6.6	8.6	8.6
4SPM2-8	4SP2-8	1.2"/1.5"	317	329	329	646	646	100	95	2.4	7.2	7.3	9.7	9.7
4SPM2-11	4SP2-11	1.2"/1.5"	380	359	344	739	724	100	95	3.1	8.7	8	11.8	11.1
4SPM2-14	4SP2-14	1.2"/1.5"	443	379	379	822	822	100	95	3.8	9.6	9.8	13.4	13.6
4SPM2-16	4SP2-16	1.2"/1.5"	485	399	379	884	864	100	95	4.2	10.6	9.8	14.8	14
4SPM2-19	4SP2-19	1.2"/1.5"	548	424	414	972	962	100	95	4.9	11.8	11.2	16.7	16.1
4SPM2-22	4SP2-22	1.2"/1.5"	611	449	414	1060	1025	100	95	5.5	12.9	11.2	18.4	16.7
4SPM2-25	4SP2-25	1.2"/1.5"	674	502	449	1176	1123	100	95	6.2	15.9	12.9	22.1	19.1
4SPM2-28	4SP2-28	1.2"/1.5"	737	542	502	1279	1239	100	95	6.8	17.8	15.6	24.6	22.4
-	4SP2-32	1.2"/1.5"	821	-	527	-	1348	100	95	7.7	-	16.8	-	24.5
-	4SP2-36	1.2"/1.5"	905	-	552	-	1457	100	95	8.6	-	18.2	-	26.8
-	4SP2-40	1.2"/1.5"	989	-	587	-	1576	100	95	9.5	-	19.8	-	29.3
-	4SP2-43	1.2"/1.5"	1052	-	622	-	1674	100	95	10.1	-	21.4	-	31.5
4SPM3-4	4SP3-4	1.2"/1.5"	233	314	314	547	547	100	95	1.7	6.6	6.6	8.3	8.3
4SPM3-5	4SP3-5	1.2"/1.5"	254	329	329	583	583	100	95	1.9	7.3	7.3	9.2	9.2
4SPM3-7	4SP3-7	1.2"/1.5"	296	359	344	655	640	100	95	2.4	8.7	8	11.1	10.4
4SPM3-9	4SP3-9	1.2"/1.5"	338	379	379	717	717	100	95	2.8	9.6	9.8	12.4	12.6
4SPM3-11	4SP3-11	1.2"/1.5"	380	399	379	779	759	100	95	3.2	10.6	9.8	13.8	13
4SPM3-13	4SP3-13	1.2"/1.5"	422	424	414	846	836	100	95	3.7	11.8	11.2	15.5	14.9
4SPM3-15	4SP3-15	1.2"/1.5"	464	449	414	913	878	100	95	4.1	12.9	11.2	17	15.3
4SPM3-18	4SP3-18	1.2"/1.5"	527	502	449	1029	976	100	95	4.6	15.9	12.9	20.5	17.5
4SPM3-21	4SP3-21	1.2"/1.5"	590	542	502	1132	1092	100	95	5.4	17.8	15.6	23.2	21
-	4SP3-25	1.2"/1.5"	674	-	527	-	1201	100	95	6.3	-	16.8	-	23.1
-	4SP3-28	1.2"/1.5"	737	-	552	-	1289	100	95	7	-	18.2	-	25.2
-	4SP3-32	1.2"/1.5"	821	-	587	-	1408	100	95	7.9	-	19.8	-	27.7
-	4SP3-36	1.2"/1.5"	905	-	622	-	1527	100	95	8.7	-	21.4	-	30.1
-	4SP3-40	1.2"/1.5"	989	-	678	-	1667	100	95	9.6	-	23.6	-	33.2
-	4SP3-44	1.2"/1.5"	1073	-	718	-	1791	100	95	10.5	-	25.5	-	36
4SPM5-4	4SP5-4	1.2"/1.5"	233	329	329	562	562	100	95	2.2	7.2	7.3	9.5	9.5
4SPM5-5	4SP5-5	1.2"/1.5"	254	359	344	613	598	100	95	2.4	8.7	8	11.1	10.4
4SPM5-7	4SP5-7	1.2"/1.5"	296	399	379	695	675	100	95	2.9	10.6	9.8	13.5	12.7
4SPM5-10	4SP5-10	1.2"/1.5"	359	449	414	808	773	100	95	3.5	12.9	11.2	16.4	14.7
4SPM5-15	4SP5-15	1.2"/1.5"	464	542	502	1006	966	100	95	4.6	17.8	15.6	22.4	20.2
-	4SP5-20	1.2"/1.5"	569	-	552	-	1121	100	95	5.7	-	18.2	-	23.9
-	4SP5-25	1.2"/1.5"	674	-	622	-	1296	100	95	6.8	-	21.4	-	28.2
-	4SP5-28	1.2"/1.5"	737	-	678	-	1415	100	95	7.5	-	23.6	-	31.1
-	4SP5-31	1.2"/1.5"	800	-	718	-	1518	100	95	8.1	-	25.5	-	33.6
-	4SP5-34	1.2"/1.5"	863	-	768	-	1631	100	95	8.8	-	28	-	36.8
-	4SP5-37	1.2"/1.5"	926	-	828	-	1754	100	95	9.5	-	31	-	40.5
4SPM8-3	4SP8-3	2"	281	359	344	640	625	100	95	3.7	8.7	8	12.4	11.7
4SPM8-5	4SP8-5	2"	365	399	379	764	744	100	95	4.4	10.6	9.8	15	14.2
4SPM8-7	4SP8-7	2"	449	449	414	898	863	100	95	5	12.9	11.2	17.9	16.2
4SPM8-9	4SP8-9	2"	533	542	502	1075	1035	100	95	5.6	17.8	15.6	23.4	21.2
-	4SP8-12	2"	659	-	552	-	1211	100	95	6.7	-	18.2	-	24.9
-	4SP8-15	2"	785	-	622	-	1407	100	95	7.7	-	21.4	-	29.1
-	4SP8-18	2"	911	-	678	-	1589	100	95	8.6	-	23.6	-	32.2
-	4SP8-20	2"	995	-	718	-	1713	100	95	9.3	-	25.5	-	34.8
-	4SP8-23	2"	1121	-	768	-	1889	100	95	10.4	-	28	-	38.4
-	4SP8-26	2"	1247	-	768	-	2015	100	95	11.4	-	28	-	39.4

DIMENSIONS AND N.W./DIMENSIONES Y PESOS/DIMENSIONS ET POIDS/РАЗМЕРЫ И ВЕС



MODEL MODELO MODÈLE МОДЕЛЬ		DN	DIMENSIONS/DIMENSIONES/DIMENSIONS/РАЗМЕРЫ mm								NW kg				
1-ph	3-ph		P	M		T		ΦD1	ΦD2	P	M		T		
		inch	1-ph	3-ph	1-ph	3-ph	1-ph	3-ph			1-ph	3-ph	1-ph	3-ph	
4SPM14-3	4SP14-3	2"	347	449	414	796	761	100	95	6.9	12.9	11.2	19.8	18.1	
4SPM14-4	4SP14-4	2"	397	502	449	899	846	100	95	7.2	15.9	12.9	23.1	20.1	
4SPM14-5	4SP14-5	2"	447	542	502	989	949	100	95	7.5	17.8	15.6	25.3	23.1	
-	4SP14-6	2"	497	-	552	-	1049	100	95	7.8	-	18.2	-	26	
-	4SP14-7	2"	547	-	587	-	1134	100	95	8.1	-	19.8	-	27.9	
-	4SP14-8	2"	597	-	622	-	1219	100	95	8.4	-	21.4	-	29.8	
-	4SP14-9	2"	647	-	678	-	1325	100	95	8.7	-	23.6	-	32.3	
-	4SP14-10	2"	697	-	718	-	1415	100	95	9	-	25.5	-	34.5	
-	4SP14-12	2"	797	-	768	-	1565	100	95	9.6	-	28	-	37.6	
-	4SP14-13	2"	847	-	828	-	1675	100	95	9.9	-	31	-	40.9	
-	6SP17-5	3"/4"	571	-	614	-	1185	145	145	10	-	42.4	-	52.4	
-	6SP17-6	3"/4"	632	-	614	-	1246	145	145	11.3	-	42.4	-	53.7	
-	6SP17-8	3"/4"	753	-	654	-	1407	145	145	13.9	-	46.9	-	60.8	
-	6SP17-9	3"/4"	813	-	654	-	1467	145	145	15.2	-	46.9	-	62.1	
-	6SP17-11	3"/4"	934	-	704	-	1638	145	145	17.8	-	51.9	-	69.7	
-	6SP17-13	3"/4"	1055	-	754	-	1809	145	145	20.4	-	57.5	-	77.9	
-	6SP17-15	3"/4"	1176	-	804	-	1980	145	145	23	-	62.4	-	85.4	
-	6SP17-17	3"/4"	1297	-	854	-	2151	145	145	25.6	-	67.9	-	93.5	
-	6SP17-19	3"/4"	1418	-	934	-	2352	145	145	28.2	-	82.2	-	110.4	
-	6SP17-21	3"/4"	1539	-	934	-	2473	145	145	30.8	-	82.2	-	113	
-	6SP17-23	3"/4"	1660	-	1014	-	2674	145	145	33.4	-	92.7	-	126.1	
-	6SP17-25	3"/4"	1781	-	1014	-	2795	145	145	36	-	92.7	-	128.7	
-	6SP17-27	3"/4"	1902	-	1094	-	2996	145	145	38.6	-	101.7	-	140.3	
-	6SP17-29	3"/4"	2023	-	1094	-	3117	145	145	41.2	-	101.7	-	142.9	
-	6SP17-31	3"/4"	2144	-	1174	-	3318	145	145	43.8	-	110.7	-	154.5	
-	6SP17-33	3"/4"	2265	-	1174	-	3439	145	145	46.4	-	110.7	-	157.1	
-	6SP30-3	3"/4"	557	-	614	-	1171	145	145	8.9	-	42.4	-	51.3	
-	6SP30-4	3"/4"	653	-	614	-	1267	145	145	10.7	-	42.4	-	53.1	
-	6SP30-5	3"/4"	749	-	654	-	1403	145	145	12.5	-	46.9	-	59.4	
-	6SP30-6	3"/4"	845	-	704	-	1549	145	145	14.3	-	51.9	-	66.2	
-	6SP30-7	3"/4"	941	-	754	-	1695	145	145	16.1	-	57.5	-	73.6	
-	6SP30-8	3"/4"	941	-	779	-	1720	145	145	19.1	-	60	-	79.1	
-	6SP30-9	3"/4"	1133	-	804	-	1937	145	145	19.7	-	62.4	-	82.1	
-	6SP30-10	3"/4"	1229	-	854	-	2083	145	145	21.5	-	67.9	-	89.4	
-	6SP30-11	3"/4"	1325	-	934	-	2259	145	145	23.3	-	82.2	-	105.5	
-	6SP30-12	3"/4"	1421	-	934	-	2355	145	145	25.1	-	82.2	-	107.3	
-	6SP30-13	3"/4"	1517	-	1014	-	2531	145	145	26.9	-	92.7	-	119.6	
-	6SP30-14	3"/4"	1613	-	1014	-	2627	145	145	28.7	-	92.7	-	121.4	
-	6SP30-15	3"/4"	1709	-	1094	-	2803	145	145	30.5	-	101.7	-	132.2	
-	6SP30-16	3"/4"	1805	-	1094	-	2899	145	145	32.3	-	101.7	-	134	
-	6SP30-17	3"/4"	1901	-	1174	-	3075	145	145	34.1	-	110.7	-	144.8	
-	6SP30-18	3"/4"	1997	-	1174	-	3171	145	145	35.9	-	110.7	-	146.6	

DIMENSIONS AND N.W./DIMENSIONES Y PESOS/DIMENSIONS ET POIDS/РАЗМЕРЫ И ВЕС



MODEL MODELO MODÈLE МОДЕЛЬ		DN	DIMENSIONS/DIMENSIONES/DIMENSIONS/РАЗМЕРЫ mm								NW kg				
1-ph	3-ph		P	M		T		ΦD1	ΦD2	P	M		T		
		inch	1-ph	3-ph	1-ph	3-ph	1-ph	3-ph			1-ph	3-ph	1-ph	3-ph	
-	6SP46-2	3"/4"	499	-	614	-	1113	145	145	8.5	-	42.4	-	50.9	
-	6SP46-3	3"/4"	612	-	654	-	1266	145	145	11	-	46.9	-	57.9	
-	6SP46-4	3"/4"	725	-	704	-	1429	145	145	13.5	-	51.2	-	64.7	
-	6SP46-5	3"/4"	838	-	804	-	1642	145	145	16	-	62.4	-	78.4	
-	6SP46-6	3"/4"	951	-	854	-	1805	145	145	18.5	-	67.9	-	86.4	
-	6SP46-7	3"/4"	1064	-	934	-	1998	145	145	21	-	82.2	-	103.2	
-	6SP46-8	3"/4"	1177	-	1014	-	2191	145	145	23.5	-	92.7	-	116.2	
-	6SP46-9	3"/4"	1290	-	1014	-	2304	145	145	26	-	92.7	-	118.7	
-	6SP46-10	3"/4"	1403	-	1094	-	2497	145	145	28.5	-	101.7	-	130.2	
-	6SP46-11	3"/4"	1516	-	1094	-	2610	145	145	31	-	101.7	-	132.7	
-	6SP46-12	3"/4"	1629	-	1174	-	2803	145	145	33.5	-	110.7	-	144.2	
-	6SP60-2	4"	499	-	654	-	1153	145	145	8.5	-	46.9	-	55.4	
-	6SP60-3	4"	612	-	704	-	1316	145	145	11	-	51.9	-	62.9	
-	6SP60-4	4"	725	-	754	-	1479	145	145	13.5	-	57.5	-	71	
-	6SP60-5	4"	838	-	854	-	1692	145	145	16	-	67.9	-	83.9	
-	6SP60-6	4"	951	-	934	-	1885	145	145	18.5	-	82.2	-	100.7	
-	6SP60-7	4"	1064	-	1014	-	2078	145	145	21	-	92.7	-	113.7	
-	6SP60-8	4"	1177	-	1094	-	2271	145	145	23.5	-	101.7	-	125.2	
-	6SP60-9	4"	1290	-	1094	-	2384	145	145	26	-	101.7	-	127.7	
-	6SP60-10	4"	1403	-	1174	-	2577	145	145	28.5	-	110.7	-	139.2	
-	8SP77-1	5"	601	-	614	-	1215	200	145	23	-	42	-	65	
-	8SP77-2	5"	729	-	754	-	1483	200	145	27	-	58	-	85	
-	8SP77-3	5"	857	-	934	-	1791	200	145	30	-	82	-	112	
-	8SP77-4	5"	985	-	1014	-	1999	200	145	34	-	93	-	127	
-	8SP77-5	5"	1113	-	1094	-	2207	200	145	37	-	102	-	139	
-	8SP77-6	5"	1241	-	1248	-	2489	200	145	41	-	126	-	167	
-	8SP77-7	5"	1369	-	1248	-	2617	200	145	45	-	126	-	171	
-	8SP77-8	5"	1497	-	1008	-	2505	200	192	48	-	159	-	207	
-	8SP77-9	5"	1625	-	1078	-	2703	200	192	52	-	180	-	232	
-	8SP77-10	5"	1753	-	1078	-	2831	200	192	56	-	180	-	236	
-	8SP77-11	5"	1881	-	1148	-	3029	200	192	59	-	195	-	254	
-	8SP77-12	5"	2009	-	1348	-	3351	200	192	63	-	221	-	284	
-	8SP77-13	5"	2137	-	1348	-	3485	200	192	67	-	221	-	288	
-	8SP77-14	5"	2265	-	1508	-	3773	200	192	70	-	251	-	321	
-	8SP77-15	5"	2393	-	1508	-	3901	200	192	74	-	251	-	325	
-	8SP95-1	5"	601	-	654	-	1255	200	145	22	-	47	-	69	
-	8SP95-2	5"	729	-	804	-	1533	200	145	26	-	63	-	88	
-	8SP95-3	5"	857	-	1014	-	1871	200	145	30	-	93	-	123	
-	8SP95-4	5"	985	-	1094	-	2079	200	145	34	-	102	-	135	
-	8SP95-5	5"	1113	-	1248	-	2361	200	145	37	-	126	-	163	
-	8SP95-6	5"	1241	-	1248	-	2489	200	145	41	-	126	-	167	
-	8SP95-7	5"	1369	-	1008	-	2377	200	192	45	-	159	-	204	
-	8SP95-8	5"	1497	-	1078	-	2575	200	192	48	-	180	-	228	
-	8SP95-9	5"	1625	-	1148	-	2773	200	192	52	-	195	-	247	
-	8SP95-10	5"	1753	-	1348	-	3101	200	192	56	-	221	-	277	
-	8SP95-11	5"	1881	-	1348	-	3229	200	192	59	-	221	-	280	
-	8SP95-12	5"	2009	-	1508	-	3517	200	192	63	-	251	-	314	
-	8SP95-13	5"	2137	-	1508	-	3645	200	192	67	-	251	-	318	