

BE
PUMPING
PARTNERS

ST4

SDROO Series

Deep-Well
Submersible
Pump 4"
50Hz



hydroo®

HYDROO is present in all the global markets by means of a distribution network focused on the service and the valuation of the pumping business. HYDROO conceives, researches, develops, designs, industrializes, and manufactures a wide range of pumping solutions for the most demanding applications in industrial markets, irrigation, water supply and water treatment as well as in residential and commercial buildings. The values of operational excellence, experience, reliability, and passion for a well-done job guide the daily work of the Hydroo team together with our partners and distributors. The global challenges of water management require excellence in pumping technologies and a joint effort between designers, manufacturers, and pumping engineers. To meet the needs of the market in the more demanding installations Hydroo is firmly committed to manufacturing the best pumping equipment on the market following and sharing our values worldwide.

The Hydroo values are presented in 5 great concepts that we summarize in our motto Hy5, which are our principles and commitments:

BE PUMPING PARTNERS



L'Estany de Banyoles (Pla del Estany county, Catalonia)

The lake of Banyoles is an amazing natural space, of great geological, ecological, landscape and cultural value. You can walk and enjoy their most emblematic corners or practice numerous sports and leisure activities nearby. We would like to highlight the traditional "pesqueres", small and

emblematic constructions for recreational use built practically inside the water during the second half of the 19th century and the beginning of the 20th.

Coordinates:
Longitude: 2.75656
Latitude: 42.13101



hymotion

Value proposal based on the reliability of products enhancing the quality, the development of efficient supply chains, the productivity with the love of craftsmen at every step of the manufacturing and production lines. We move with the commitment to improve pumping systems, make them more efficient, more reliable, more digitized, more at the service of the human development.



hylite

Contribution to the preservation of the environment and sustainability. We reduce the environmental impact and the carbon footprint. We contribute to the development of the circular economy. Our team stands out for the highest standards of energy efficiency.



hyficient

The use of the most advanced analytical, development and simulation tools allows us to optimize our R&D teamwork results. We maximize the study of materials, efficient hydraulics, mechanical improvements and the optimization of our motors up to 200 kW. The results are robust, reliable, flexible, adjustable, multipurpose, and user-friendly pumping equipment.



hynovative

Commitment to the implementation of the innovation process a strategic pillar of the company. Transfer new ideas to realities that evolve pumping industry and internalize the process as a strategic in each job position to offer market improvements.



hyliance

We are the factory of our customers. Without solution of continuity between the value chain starting in the components production plants and ending with amortization of the pumping equipment operating at full performance for years and giving satisfaction to distributors, project engineers and pumping systems managers. We make real our catchphrase **Be Pumping Partners**.

ST4 Series

4" multistage submersible borehole pumps including stainless steel check valve and POM floating impellers.

Manufactured according to NEMA standards.

Maximum fluid temperature 40° C and sand concentration 150 g/m³.

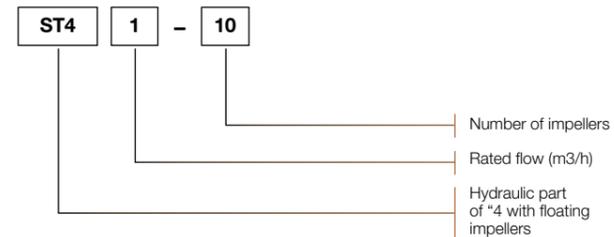
Immersion depth up to 120 m

Technical Data

AISI 304 SS parts with floating impellers and diffusers made in POM

Check valve made in AISI304SS

Definition of model



Reliable and trouble-free 4" deep-well submersible pump

Wide range of motor version are available both in terms of electrical configurations and materials



Performance table

Model	P2		Q (m ³ /h) Q (l/min)	0	0,3	0,6	0,9	1,2	1,5
	kW	HP		0	5	10	15	20	25
ST4 1-10	0,37	0,5	mca	67	63	55	46	33	18
ST4 1-13	0,37	0,5		86	78	70	56	42	23
ST4 1-19	0,55	0,75		126	118	105	86	60	30
ST4 1-26	0,75	1		173	160	141	117	81	39
ST4 1-38	1,1	1,5		253	234	208	169	117	52

Model	P2		Q (m ³ /h) Q (l/min)	0	1,5	1,8	2,1	2,4	2,7	3
	kW	HP		0	25	30	35	40	45	50
ST4 2-5	0,37	0,5	mca	33	28	26	24	20	17	13
ST4 2-7	0,37	0,5		47	39	35	32	28	24	19
ST4 2-10	0,55	0,75		67	56	52	47	41	36	27
ST4 2-14	0,75	1		93	78	73	66	57	50	37
ST4 2-20	1,1	1,5		133	113	104	97	82	72	53
ST4 2-28	1,5	2		187	158	146	130	115	97	74
ST4 2-40	2,2	3		267	226	208	186	164	136	106

Model	P2		Q (m ³ /h) Q (l/min)	0	2,1	2,4	2,7	3	3,6	4,2
	kW	HP		0	35	40	45	50	60	70
ST4 3-5	0,37	0,5	mca	34	29	27	25	23	18	12
ST4 3-8	0,55	0,75		54	46	43	41	38	30	19
ST4 3-11	0,75	1		72	61	58	54	49	38	28
ST4 3-16	1,1	1,5		106	89	83	77	70	54	34
ST4 3-21	1,5	2		142	122	115	108	100	79	49
ST4 3-32	2,2	3		208	177	165	152	138	104	64

Model	P2		Q (m ³ /h) Q (l/min)	0	3,6	4,2	4,8	5,4	6	6,6
	kW	HP		0	60	70	80	90	100	110
ST4 4-4	0,37	0,50	mca	26	19	17	14	11	7	4
ST4 4-6	0,55	0,75		38	30	26	22	18	12	8
ST4 4-8	0,75	1,00		51	39	35	30	24	18	14
ST4 4-12	1,1	1,50		77	63	57	49	41	31	21
ST4 4-16	1,5	2		102	86	77	68	57	46	34
ST4 4-24	2,2	3		151	122	111	97	80	62	44
ST4 4-32	3	4		203	162	146	127	105	80	59
ST4 4-40	3,7	5		253	202	182	159	131	102	70
ST4 4-44	4	5,5		278	230	210	187	159	127	94

ST4 Series

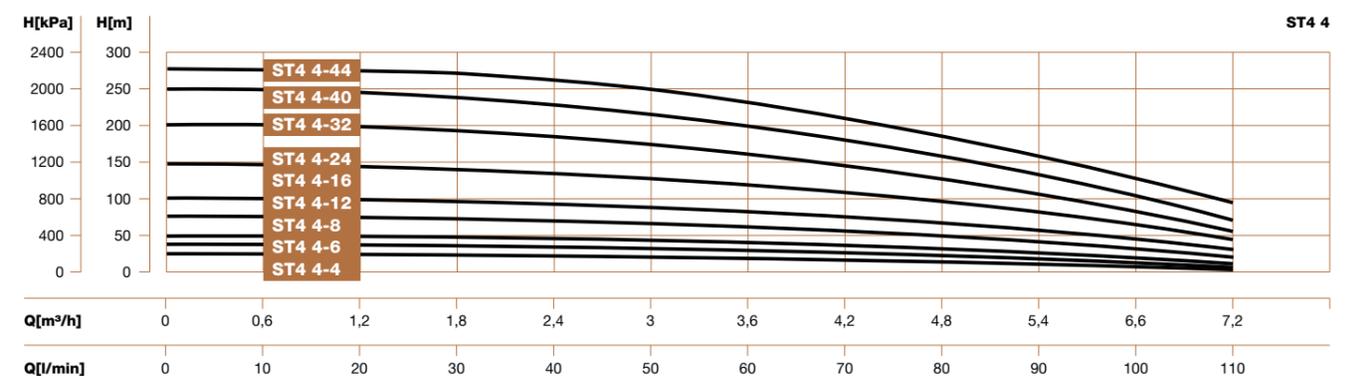
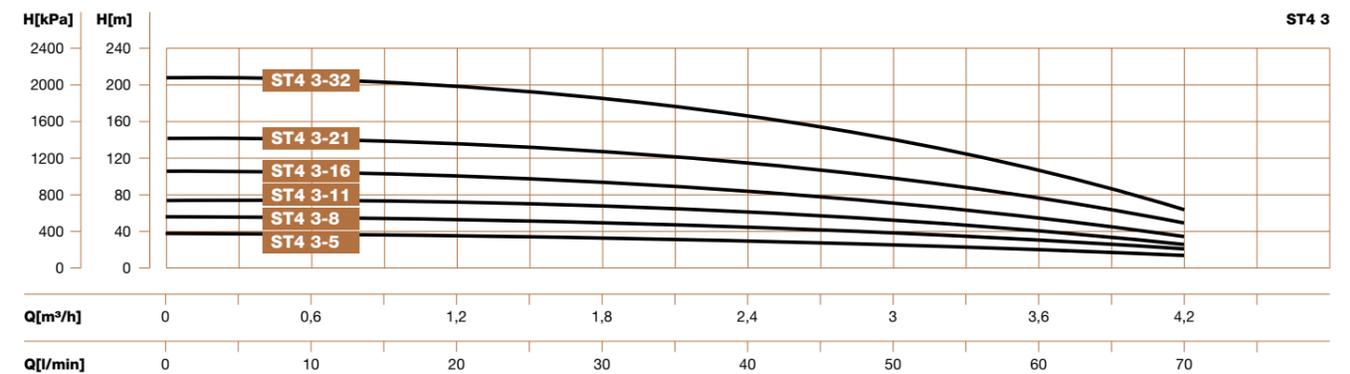
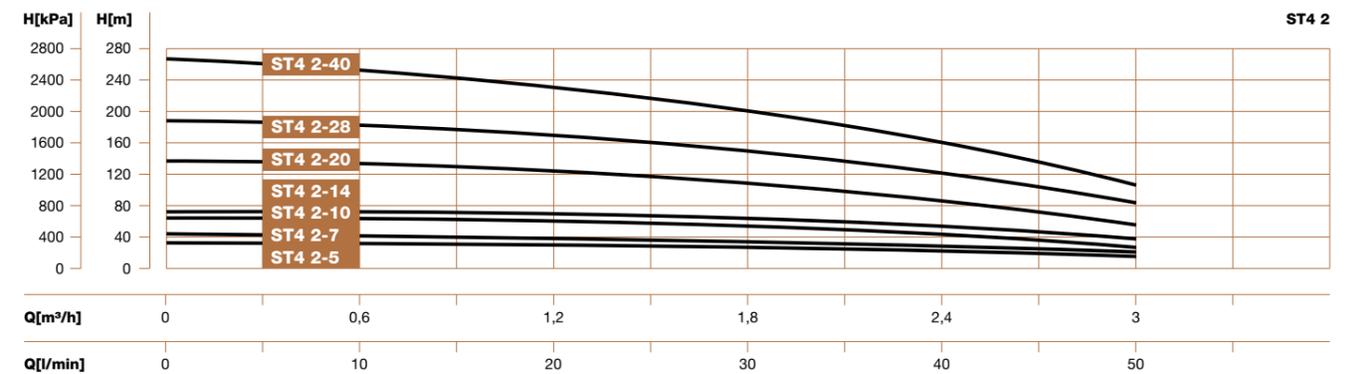
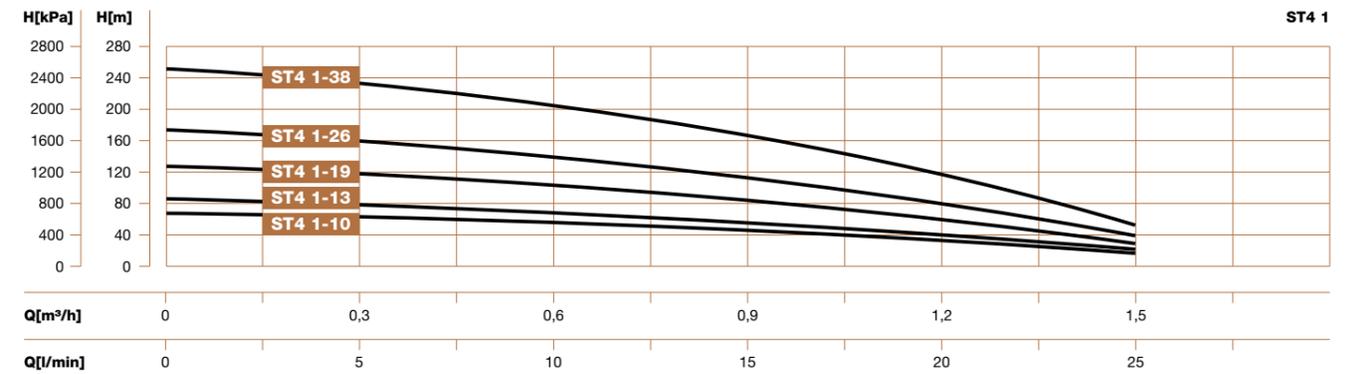
Performance table

Model	P2		Q (m³/h)	0	5,4	6	6,6	7,2	7,8	9
	kW	HP		Q (l/min)	0	90	100	110	120	130
ST4 6-7	0,75	1	mca	42	28	25	22	19	15	8
ST4 6-10	1,1	1,5		62	41	38	34	29	23	12
ST4 6-14	1,5	2		90	63	59	53	46	37	19
ST4 6-20	2,2	3		125	86	80	71	62	52	29
ST4 6-27	3	4		169	115	107	96	84	70	39
ST4 6-34	3,7	5		208	143	132	120	103	86	48
ST4 6-36	4	5,5		221	154	143	127	112	93	49
ST4 6-49	5,5	7,5		302	209	193	171	151	123	64

Model	P2		Q (m³/h)	0	7,2	7,8	8,4	9	9,6	12
	kW	HP		Q (l/min)	0	120	130	140	150	160
ST4 8-4	0,75	1,00	mca	26	21	20	19	18	17	11
ST4 8-6	1,10	1,50		39	32	30	29	27	26	18
ST4 8-8	1,50	2,00		52	43	40	39	37	35	24
ST4 8-13	2,20	3,00		82	66	62	59	53	50	30
ST4 8-17	3,00	4,00		108	87	83	79	75	70	47
ST4 8-21	3,70	5,00		132	103	98	93	88	82	52
ST4 8-23	4,00	5,50		148	118	113	108	101	95	60
ST4 8-32	5,50	7,50		202	160	151	143	133	125	80
ST4 8-42	7,50	10,00	265	210	198	187	174	164	105	

Model	P2		Q (m³/h)	0	9,6	10,8	12	13	14,4	15,6
	kW	HP		Q (l/min)	0	160	180	200	220	240
ST4 10-7	1,5	2	mca	45	31	28	25	22	118	14
ST4 10-10	2,2	3		64	44	41	36	32	26	20
ST4 10-14	3	4		89	62	56	49	43	35	29
ST4 10-17	3,7	5		107	74	67	59	51	42	33
ST4 10-19	4	5,5		120	89	76	68	58	48	38
ST4 10-26	5,5	7,5		163	111	100	87	75	61	47
ST4 10-35	7,5	10		221	155	140	125	108	90	67

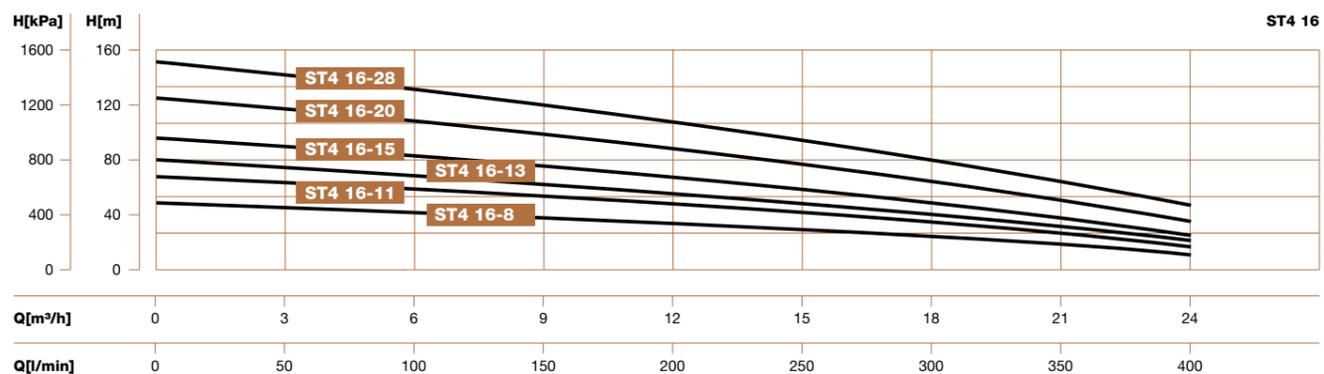
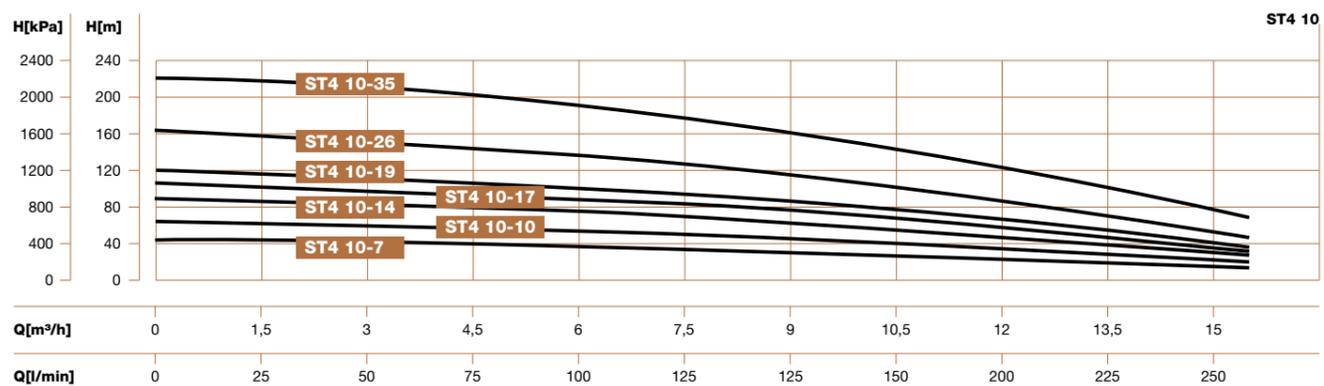
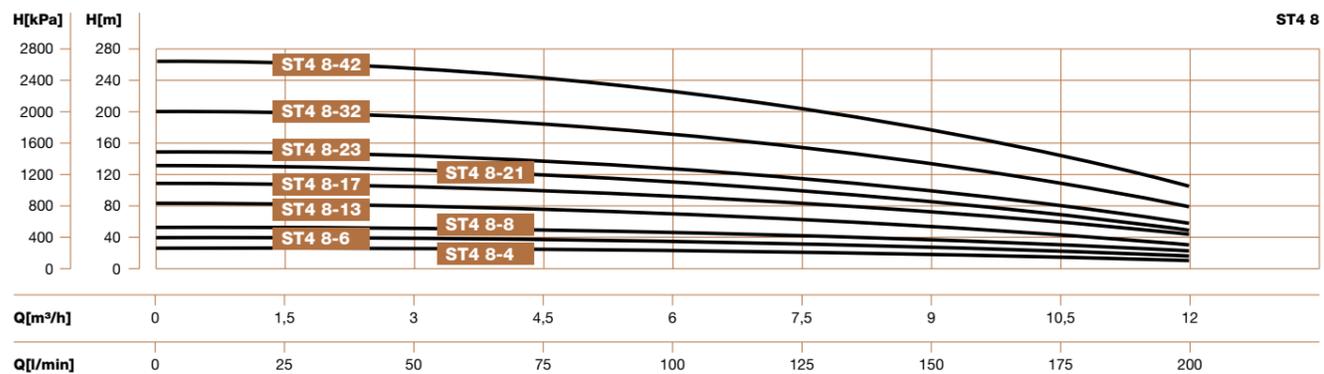
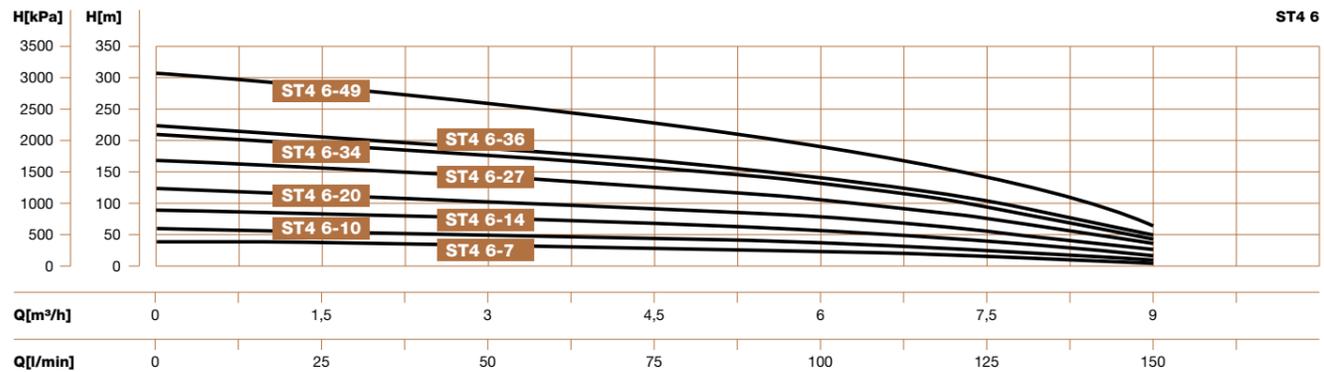
Model	P2		Q (m³/h)	0	15,6	16,8	18	19,2	20,4	24
	kW	HP		Q (l/min)	0	260	280	300	320	340
ST4 16-8	2,2	3	mca	51	29	27	24	20	18	13
ST4 16-11	3	4		70	41	38	34	30	27	18
ST4 16-13	3,7	5		81	48	45	41	36	32	23
ST4 16-15	4	5,5		97	58	54	50	43	39	27
ST4 16-20	5,5	7,5		125	74	70	65	56	44	36
ST4 16-28	7,5	10,5		151	92	85	78	70	62	48



2950 rpm 50 Hz. ISO9906:2012 Grade 3B.

ST4 Series

Performance table



Model	L	DN	Kg
ST4 1-10	324	1" 1/4	3,3
ST4 1-13	377	1" 1/4	3,7
ST4 1-19	481	1" 1/4	4,7
ST4 1-26	642	1" 1/4	5,8
ST4 1-38	864	1" 1/4	8,2

Model	L	DN	Kg
ST4 2-5	245	1" 1/4	2,6
ST4 2-7	280	1" 1/4	2,9
ST4 2-10	332	1" 1/4	3,5
ST4 2-14	402	1" 1/4	4,2
ST4 2-20	507	1" 1/4	5,3
ST4 2-28	680	1" 1/4	7,1
ST4 2-40	914	1" 1/4	10,1

Model	L	DN	Kg
ST4 3-5	236	1" 1/4	2,5
ST4 3-8	289	1" 1/4	2,9
ST4 3-11	342	1" 1/4	3,4
ST4 3-16	430	1" 1/4	4,2
ST4 3-21	519	1" 1/4	5
ST4 3-32	749	1" 1/4	7,1

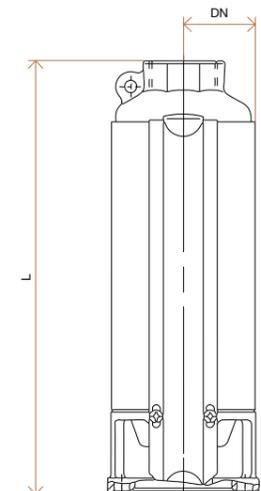
Model	L	DN	Kg
ST4 4-4	247	1" 1/4	2,4
ST4 4-6	296	1" 1/4	2,9
ST4 4-8	345	1" 1/4	3,3
ST4 4-12	433	1" 1/4	4,1
ST4 4-16	542	1" 1/4	5
ST4 4-24	777	1" 1/4	6,6
ST4 4-32	965	1" 1/4	8,7
ST4 4-40	1160	1" 1/4	10,4
ST4 4-44	1296	1" 1/4	11,2

Model	L	DN	Kg
ST4 6-7	390	2"	3,7
ST4 6-10	483	2"	4,6
ST4 6-14	607	2"	5,7
ST4 6-20	831	2"	7,5
ST4 6-27	1048	2"	9,6
ST4 6-34	1257	2"	11,6
ST4 6-36	1318	2"	12,2
ST4 6-49	1802	2"	15,9

Model	L	DN	Kg
ST4 8-4	291	2"	2,8
ST4 8-6	353	2"	3,6
ST4 8-8	414	2"	4
ST4 8-13	575	2"	5,4
ST4 8-17	695	2"	6,6
ST4 8-21	819	2"	7,8
ST4 8-23	920	2"	8,7
ST4 8-32	1201	2"	11,4
ST4 8-42	1530	2"	14

Model	L	DN	Kg
ST4 10-7	531	2"	5,3
ST4 10-10	687	2"	6,6
ST4 10-14	897	2"	8,6
ST4 10-17	1092	2"	10,4
ST4 10-19	1194	2"	11,2
ST4 10-26	1561	2"	14,5
ST4 10-35	2049	2"	20,9

Model	L	DN	Kg
ST4 16-8	711	2"	6,5
ST4 16-11	915	2"	8,4
ST4 16-13	1051	2"	9,8
ST4 16-15	1217	2"	11,1
ST4 16-20	1556	2"	13,8
ST4 16-28	2131	2"	21,2



2950 rpm 50 Hz. ISO9906:2012 Grade 3B.



202339-CTL-ST4-EN
subject to amendments

BE PUMPING PARTNERS

HYDROO **Pump Industries SL**

Carrer La Banyeta Nova, 11
Poligon Industrial La Banyeta
17843 Palol de Revardit
Catalonia. Spain

Tel. +34 972 394 654
E-mail: info@hydroo.com

www.hydroo.com



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