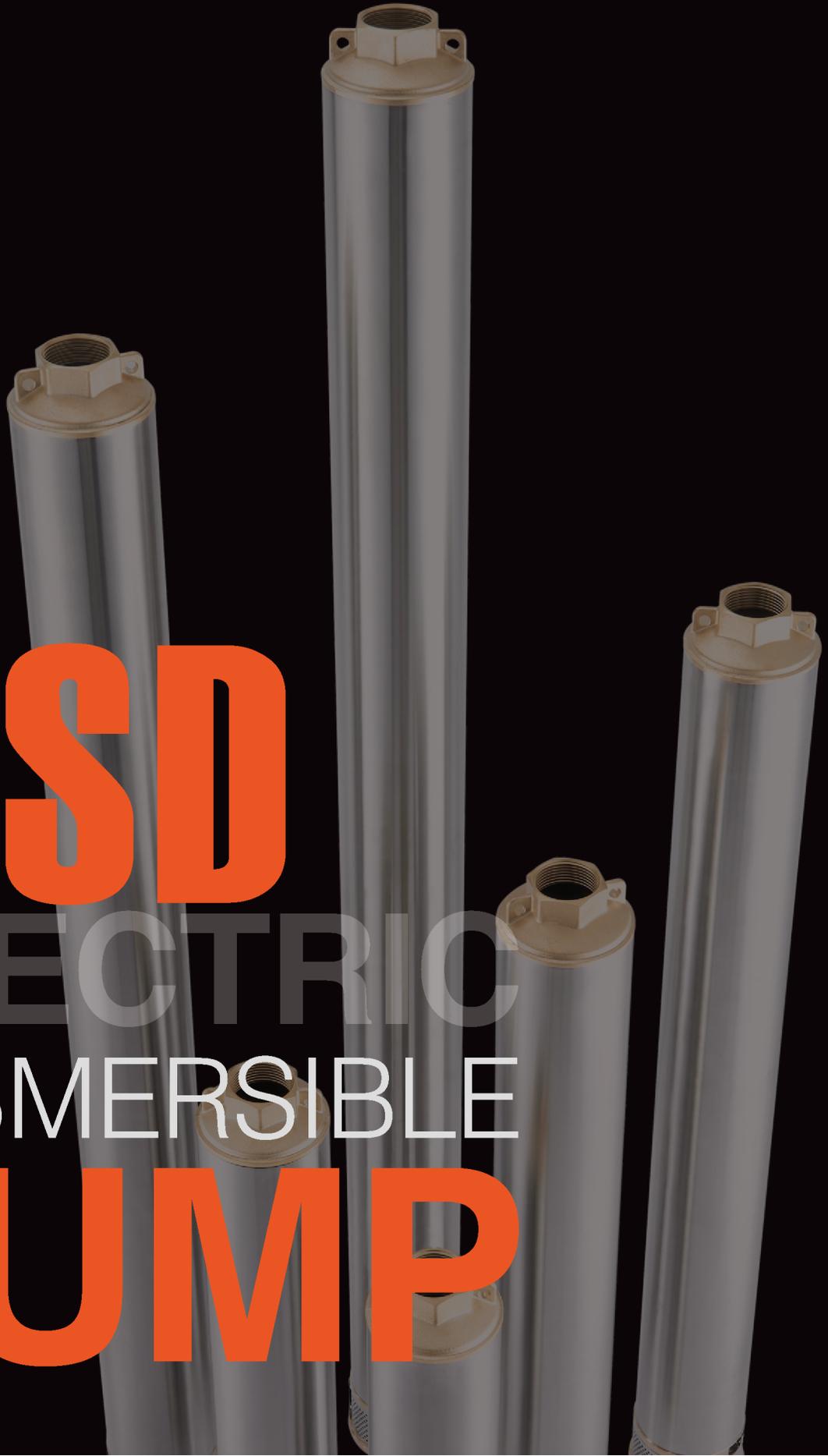




4SD

ELECTRIC
SUBMERSIBLE
PUMP



Introduction

The motor and pump body of SD, SK, submersible electrical pump series are tightly coupled through the designed casing pipe shaft, and a suction filter is installed between the pump and the motor to effectively isolate the impurities in the liquid.

The whole component is submerged in the liquid with the pump, which can prevent the cavitation of the pump. The centrifugal force generated by the motor rotating the impeller of the pump drives the fluid to push from the underground to the surface. pump mainly consists of ground components and underground components. The ground components include control cabinet, cable, transformer, etc., and the underground components include pipelines, pumps, motor and other attached ground components, which extend to the bottom of the well through the transmission pipeline. Three different materials are provided for selection according to different working conditions.

Pump material

SD series 3", 4" all plastic submersible electrical pump
SK series submersible pump with 4" plastic impeller and stainless steel diffuser

Pump operating conditions

Flow Rate, Q up to 12,6m³/h
Temperature of fluid handled, T 4" up to 35C,
Maximum operation pressure 4" motor 7 bar,

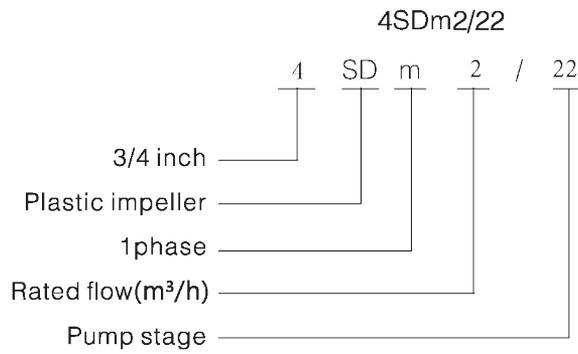
Motor

Enclosure class:Ip68
Voltage:
4"motor
3X220-240/380-415V
1X220-240V

Performance curves

- The motors used for the pump performance are based on
- 4" motor 2850 rpm6" to 10" motors 2900 rpm
- Curves according to ISO 9906, Annex A.
- Measurement have been made with airless water at a temperature of 20 C
- The curves apply to the following kinematic viscosity of 1 cSt.

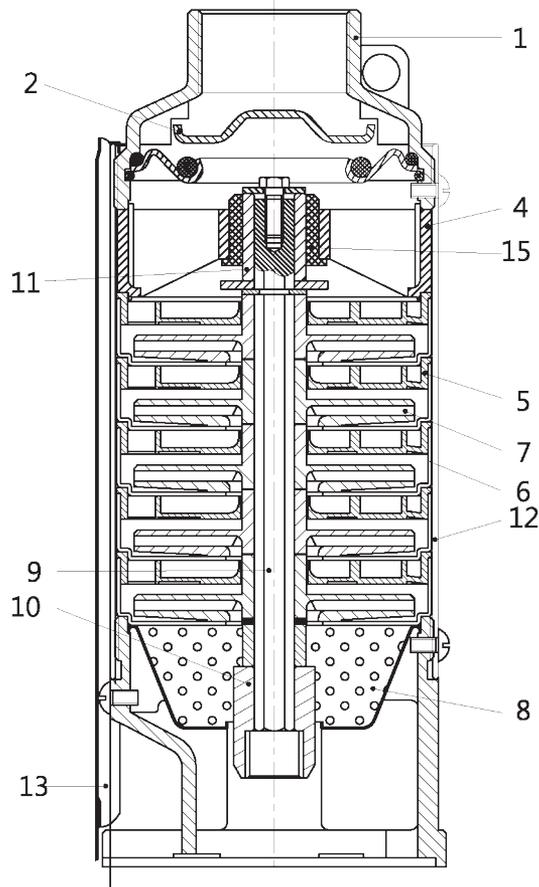
Model specification



Applications

Groundwater pumping

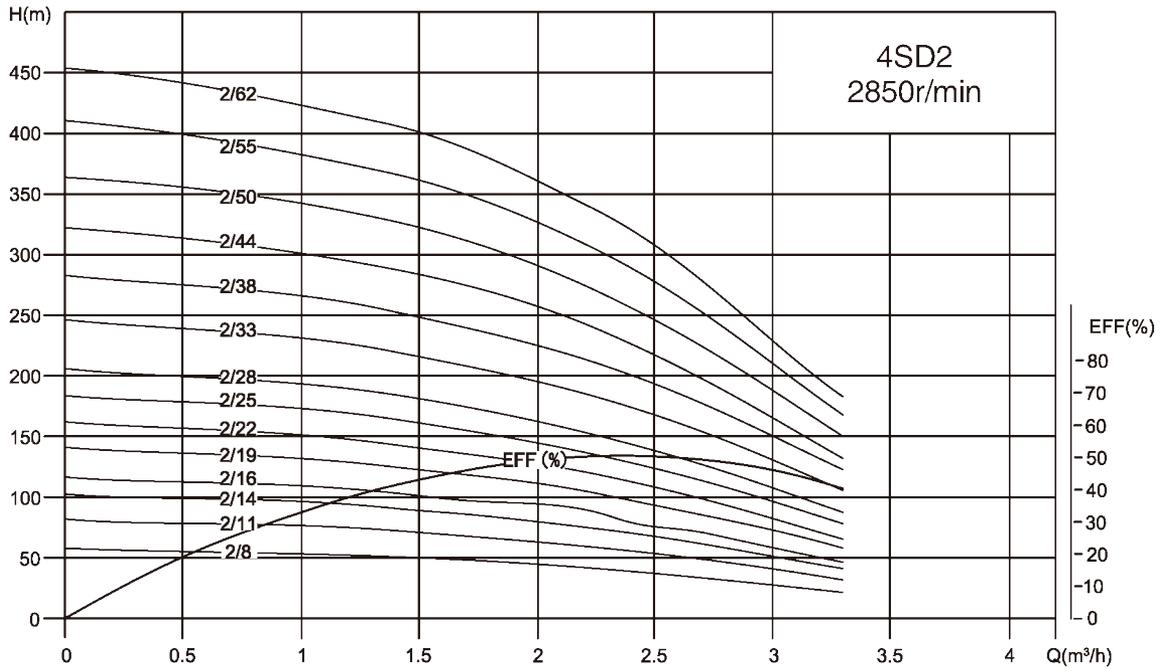
- Residential water
- Wells pumping
- Municipal water
- Industrial water
- Water villa
- Water supply system
- Municipal water supply
- The system pressure
- Pipeline pressurization
- Spray irrigation system
- The air conditioning system
- Fire protection system
- Cooling circulation system



SD series material

No.	Component	Material
1	Discharge chamber	Brass/Cating/Stainless steel
2	Check valve	PC
4	Top diffuser	PC
5	Diffuser	PC
6	Guide vanes	PC
7	Impeller	POM
8	Strainer	Stainless steel
9	Pumpshaft	Stainless steel
10	Coupling	Stainless steel
11	Sleeve	Stainless steel
12	Cylinder	Stainless steel
13	Cable guard	Stainless steel
15	Bearing	Polyurethane

Performance curve

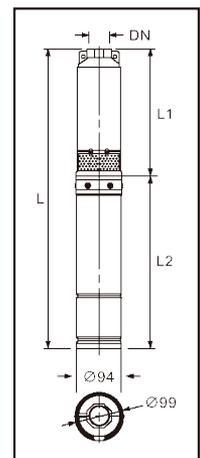


Performance data

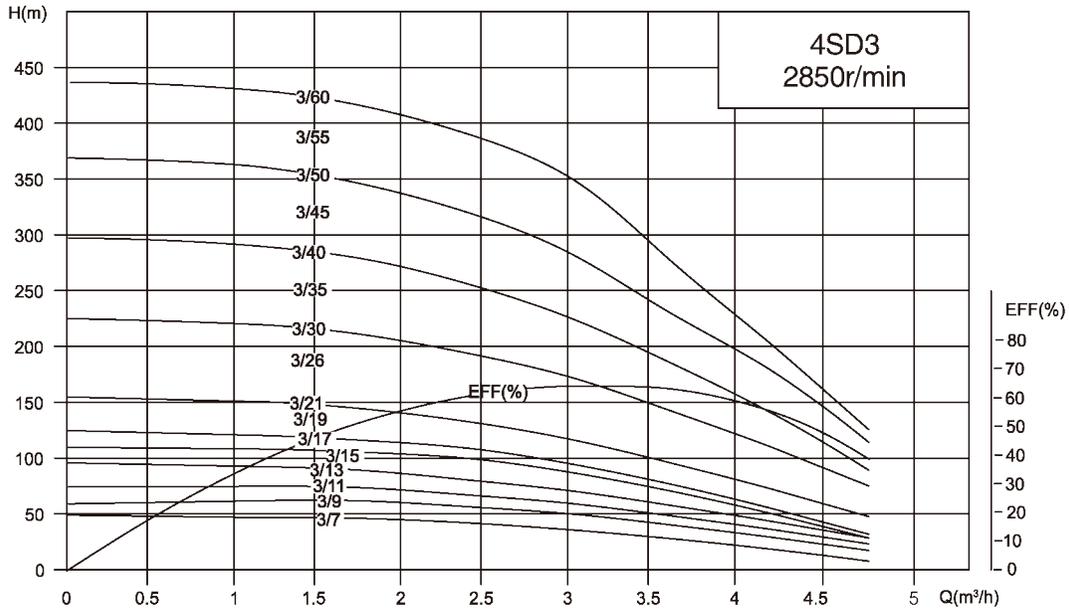
Model	Power	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
4SD2/8	0.37	H(m)	58	56	55	54	52	50	46	43	38	34	27	21
4SD2/11	0.55		82	80	79	77	74	71	67	62	56	49	41	32
4SD2/14	0.75		102	100	99	97	93	89	84	82	70	62	51	41
4SD2/16	0.75		117	114	113	111	106	102	96	94	80	71	58	47
4SD2/19	1.1		140	137	135	133	127	122	115	107	98	86	71	57
4SD2/22	1.1		162	159	156	154	147	141	133	124	113	100	82	66
4SD2/25	1.5		184	180	178	174	169	162	152	142	128	114	96	78
4SD2/28	1.5		206	202	199	195	189	181	170	159	143	128	108	87
4SD2/33	2.2		246	241	238	233	226	216	204	191	174	153	130	106
4SD2/38	2.2		283	278	274	268	260	249	235	220	200	176	150	122
4SD2/44	3		320	317	311	304	295	284	269	250	225	198	165	132
4SD2/50	3		364	360	353	345	335	323	306	284	256	225	188	150
4SD2/55	4		410	403	396	386	376	361	342	318	289	252	206	165
4SD2/62	4		454	446	438	427	416	400	379	352	320	279	228	183

Installation dimensions and weight

Power		Dimension				Weight(kg)	
kW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.37	0.5	402	324	726	1.25"	3	9
0.55	0.75	478	344	822		3.2	9.8
0.75	1	554	369	923		3.6	11
0.75	1	605	369	974		4	11
1.1	1.5	712	404	1116		4.6	13
1.1	1.5	819	404	1223		5.2	13
1.5	2	895	449	1344		5.8	15
1.5	2	971	449	1420		6.4	15
2.2	3	1128	539	1667		7.4	17
2.2	3	1255	539	1794		8.6	17
3	4	1470	557	2027		9.8	17.6
3	4	1621	557	2178		11	17.6
4	5.5	1780	637	2417		12.2	20.7
4	5.5	1988	637	2625		14	20.7



Performance curve

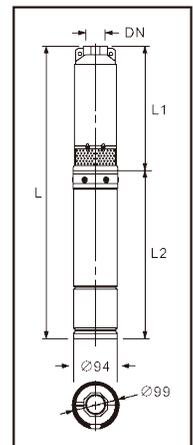


Performance data

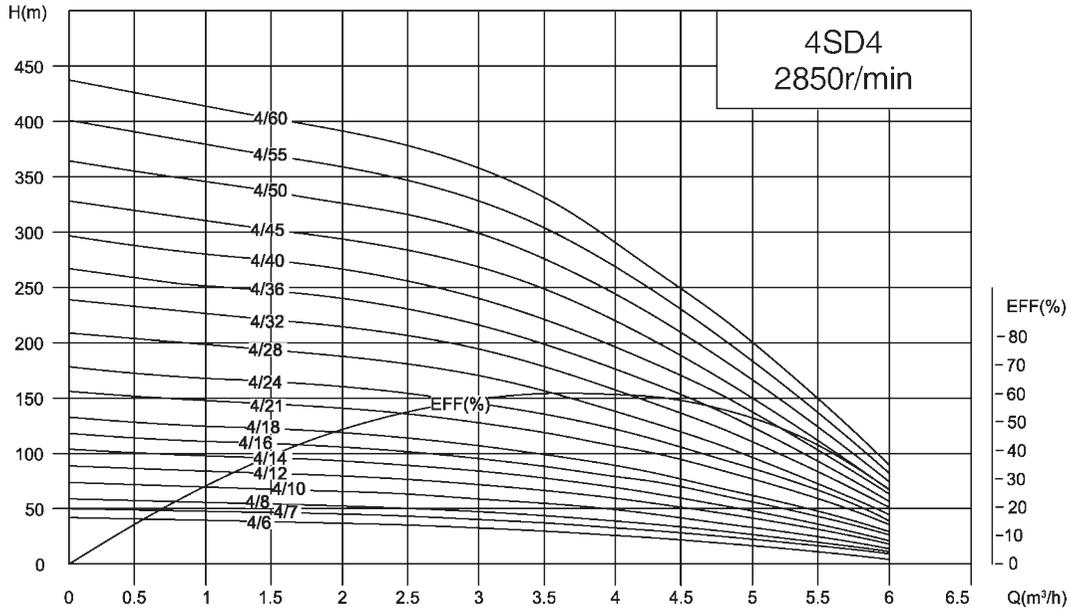
Model	Power	Q(m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
4SD3/7	0.37	H(m)	49	48	47	44	40	35	28	23	12
4SD3/9	0.55		65	64	63	60	55	48	40	30	19
4SD3/11	0.75		81	79	78	75	68	60	49	37	24
4SD3/13	0.75		96	93	92	89	80	71	58	44	28
4SD3/15	1.1		110	108	106	102	96	84	68	49	28
4SD3/17	1.1		125	122	120	116	109	95	77	56	32
4SD3/19	1.5		140	138	136	130	120	106	87	66	43
4SD3/21	1.5		155	153	150	144	133	117	96	73	48
4SD3/26	2.2		195	193	190	182	168	150	124	96	65
4SD3/30	2.2		225	223	219	210	194	173	143	111	75
4SD3/35	3		260	258	253	243	224	198	163	124	78
4SD3/40	3		297	295	289	278	256	226	186	142	89
4SD3/45	4		332	330	324	310	288	256	208	162	107
4SD3/50	4		369	367	360	344	320	284	231	180	114
4SD3/55	5.5	400	398	393	380	355	323	250	187	115	
4SD3/60	5.5	436	434	429	415	387	352	273	204	125	

Installation dimensions and weight

Power		Dimension			Weight(kg)		
kW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.37	0.5	386	324	710	1.25"	3.2	9
0.55	0.75	440	344	784		3.6	9.8
0.75	1	492	369	861		4.1	11
0.75	1	546	369	915		4.5	11
1.1	1.5	631	404	1035		4.9	13
1.1	1.5	684	404	1088		5.3	13
1.5	2	738	449	1187		6	15
1.5	2	823	449	1272		6.5	15
2.2	3	956	539	1495		7.8	17
2.2	3	1063	539	1602		8.6	17
3	4	1228	557	1785		9.8	17.6
3	4	1362	557	1919		11	17.6
4	5.5	1527	637	2164		12.3	20.7
4	5.5	1660	637	2297		13.5	20.7
5.5	7.5	1825	712	2537		14.7	25.7
5.5	7.5	1958	847	2805		16	32.3



Performance curve

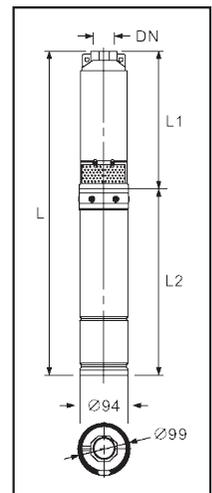


Performance data

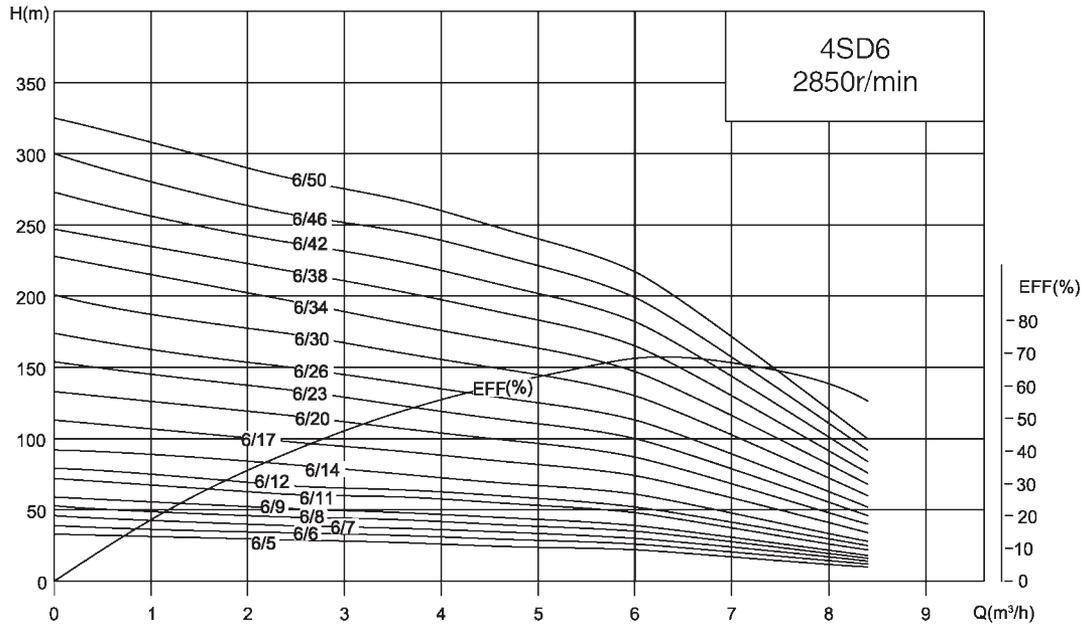
Model	Power	Q(m ³ /h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
4SD4/6	0.37	H(m)	42	40	39	37	35	32	29	24	19	12	4
4SD4/7	0.55		50	48	47	46	44	40	36	31	25	18	9
4SD4/8	0.75		59	57	55	53	51	47	43	37	29	21	11
4SD4/10	0.75		74	71	69	66	64	59	54	46	36	26	14
4SD4/12	1.1		89	85	83	81	77	72	65	56	45	33	18
4SD4/14	1.1		104	99	97	95	90	84	76	65	53	39	21
4SD4/16	1.5		118	113	110	107	102	95	86	75	60	45	26
4SD4/18	1.5		133	127	124	120	115	107	97	84	68	51	29
4SD4/21	2.2		156	150	146	142	136	127	116	101	82	62	35
4SD4/24	2.2		178	171	167	162	155	145	133	115	94	71	40
4SD4/28	3		209	203	196	190	182	170	152	130	106	77	45
4SD4/32	3		239	232	224	217	208	194	174	149	121	88	51
4SD4/36	4		267	257	250	243	232	216	194	167	136	98	57
4SD4/40	4		297	286	278	270	258	240	216	186	151	109	63
4SD4/45	5.5		328	317	308	297	286	269	242	207	165	118	67
4SD4/50	5.5		364	352	342	330	318	299	269	230	183	131	74
4SD4/55	7.5	401	388	375	363	349	328	296	250	202	145	82	
4SD4/60	7.5	437	423	409	396	381	358	323	273	220	158	89	

Installation dimensions and weight

Power		Dimension				Weight(kg)	
kW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.37	0.5	374	324	698	1.25"	3.2	9
0.55	0.75	403	344	747		3.5	9.8
0.75	1	432	369	801		3.8	11
0.75	1	490	369	859		4.4	11
1.1	1.5	548	404	952		5	13
1.1	1.5	638	404	1042		5.5	13
1.5	2	696	449	1145		6.1	15
1.5	2	754	449	1203		6.6	15
2.2	3	873	539	1412		7.4	17
2.2	3	961	539	1500		8.2	17
3	4	1105	557	1662		9.2	17.6
3	4	1253	557	1810		10.4	17.6
4	5.5	1369	637	2006		11.5	20.7
4	5.5	1517	637	2154		12.6	20.7
5.5	7.5	1662	712	2374		14	25.7
5.5	7.5	1839	712	2551		15.5	25.7
7.5	10	1985	847	2832	16.8	32.3	
7.5	10	2162	847	3009	18.3	32.3	



Performance curve

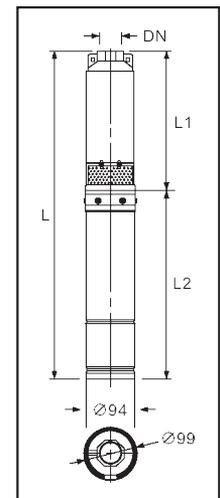


Performance data

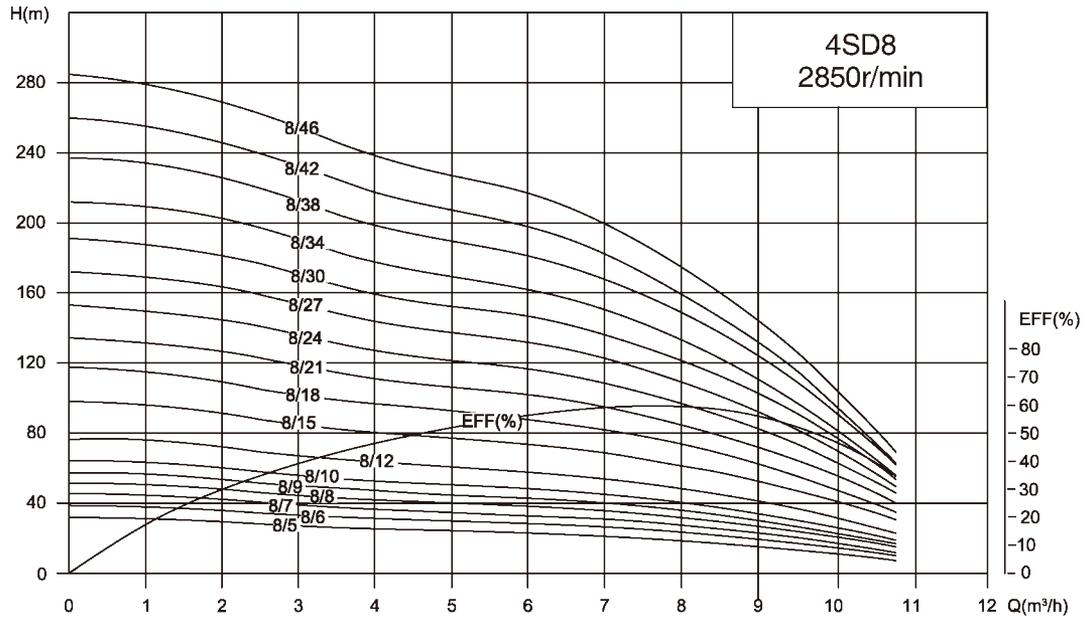
Model	Power	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4
4SD6/5	0.37	H(m)	33	31	29	27	24	22	16	10
4SD6/6	0.55		39	36	34	32	29	26	19	12
4SD6/7	0.75		46	42	39	37	34	30	23	14
4SD6/8	0.75		53	48	45	43	39	35	26	16
4SD6/9	1.1		59	55	51	48	44	39	29	18
4SD6/11	1.1		72	67	61	59	54	48	35	22
4SD6/12	1.5		79	74	67	64	59	52	39	24
4SD6/14	1.5		92	86	78	75	68	61	45	28
4SD6/17	2.2		113	106	98	91	83	74	55	34
4SD6/20	2.2		133	125	113	107	98	87	64	40
4SD6/23	3		154	142	132	123	112	100	74	46
4SD6/26	3		174	161	150	139	127	113	84	52
4SD6/30	4		201	185	172	160	147	130	97	60
4SD6/34	4		228	210	192	181	166	147	110	68
4SD6/38	5.5		247	229	220	203	186	165	122	76
4SD6/42	5.5		273	253	238	224	205	182	135	84
4SD6/46	7.5	299	280	260	245	225	199	148	92	
4SD6/50	7.5	325	303	284	267	244	217	161	100	

Installation dimensions and weight

Power		Dimension				Weight(kg)	
kW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.37	0.5	354	324	678	1.5"	3.2	9
0.55	0.75	385	344	729		3.5	9.8
0.75	1	415	369	784		3.8	11
0.75	1	446	369	815		4.2	11
1.1	1.5	477	404	881		4.5	13
1.1	1.5	538	404	942		5.2	13
1.5	2	569	449	1018		5.6	15
1.5	2	663	449	1112		6.4	15
2.2	3	755	539	1294		7.6	17
2.2	3	847	539	1386		8.8	17
3	4	1005	557	1562		10	17.6
3	4	1097	557	1654		11.2	17.6
4	5.5	1220	637	1857		12.8	20.7
4	5.5	1375	637	2012		14.4	20.7
5.5	7.5	1531	712	2243		16.2	25.7
5.5	7.5	1654	712	2366		17.8	25.7
7.5	10	1809	847	2656	18.6	32.3	
7.5	10	1932	847	2779	21	32.3	



Performance curve

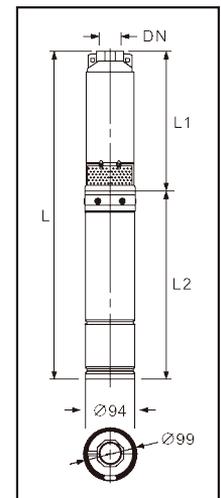


Performance data

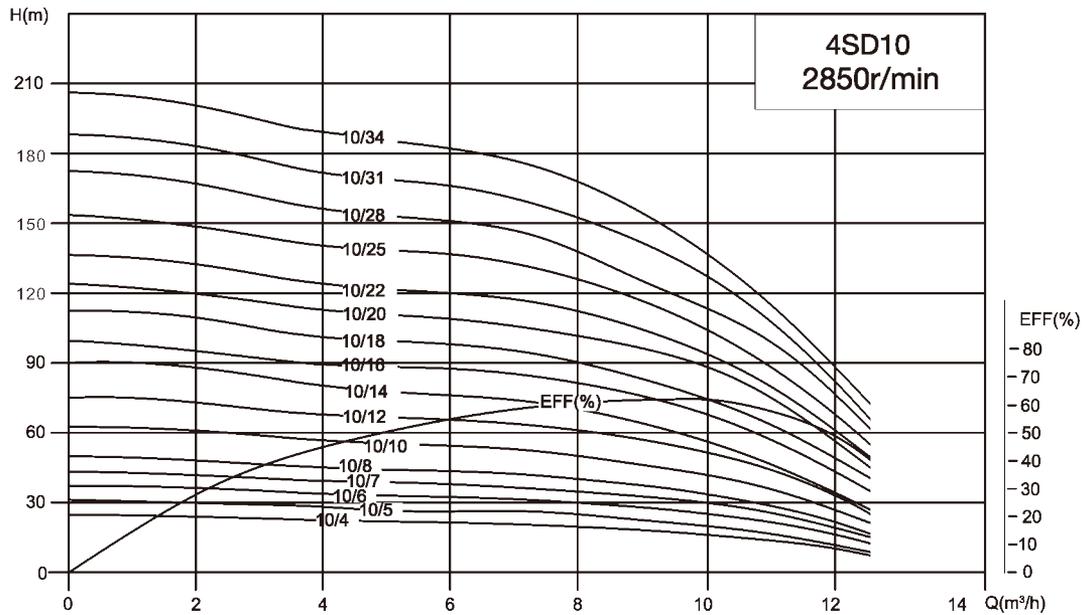
Model	Power	Q(m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
4SD8/5	0.55	H(m)	32	31	28	26	25	23	21	17	13	7
4SD8/6	0.75		39	38	35	32	30	28	26	22	17	10
4SD8/7	0.75		46	44	41	37	25	33	30	26	20	12
4SD8/8	1.1		51	50	46	43	40	38	35	30	23	15
4SD8/9	1.1		57	56	52	48	45	43	39	34	26	17
4SD8/10	1.5		64	63	58	54	51	48	44	38	30	19
4SD8/12	1.5		77	76	70	65	61	58	53	46	36	23
4SD8/15	2.2		98	95	88	82	78	73	67	58	45	29
4SD8/18	2.2		118	114	106	98	94	88	80	70	54	35
4SD8/21	3		134	130	124	114	107	102	93	80	63	40
4SD8/24	3		153	149	142	130	122	117	106	91	72	46
4SD8/27	4		172	168	160	147	138	132	120	103	80	49
4SD8/30	4		191	187	178	163	153	147	133	114	89	54
4SD8/34	5.5		212	208	198	182	171	162	147	125	95	56
4SD8/38	5.5	237	232	221	203	191	181	164	140	106	62	
4SD8/42	7.5	260	253	241	223	209	198	178	149	112	63	
4SD8/46	7.5	285	277	264	244	229	217	195	163	123	69	

Installation dimensions and weight

Power		Dimension				Weight(kg)	
KW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.55	0.75	390	344	734	2"	3.5	9.8
0.75	1	429	369	798		3.8	11
0.75	1	467	369	836		4.1	11
1.1	1.5	505	404	909		4.4	13
1.1	1.5	543	404	947		4.7	13
1.5	2	581	449	1030		5	15
1.5	2	657	449	1106		5.6	15
2.2	3	804	539	1343		6.4	17
2.2	3	919	539	1458		7.3	17
3	4	1099	557	1656		8.2	17.6
3	4	1213	557	1770		9.1	17.6
4	5.5	1327	637	1964		10	20.7
4	5.5	1441	637	2078		11	20.7
5.5	7.5	1626	712	2338		12.3	25.7
5.5	7.5	1811	712	2523		13.5	25.7
7.5	10	1964	847	2811		14.8	32.3
7.5	10	2149	847	2996	16	32.3	



Performance curve



Performance data

Model	Power	Q(m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6
4SD10/4	0.75	H(m)	25	24	23	22	21	18	14	7
4SD10/5	0.75		31	30	29	27	26	23	18	9
4SD10/6	1.1		37	36	34	33	31	28	23	13
4SD10/7	1.1		43	42	40	39	36	33	27	15
4SD10/8	1.5		50	49	46	44	42	37	30	17
4SD10/10	1.5		63	61	58	55	53	46	38	21
4SD10/12	2.2		77	76	70	66	63	55	42	22
4SD10/14	2.2		90	89	82	77	74	64	49	26
4SD10/16	3		100	98	91	88	84	74	59	36
4SD10/18	3		113	110	102	99	95	83	66	41
4SD10/20	4		124	121	114	110	106	95	76	45
4SD10/22	4		136	133	125	121	117	105	84	50
4SD10/25	5.5		154	150	141	146	130	116	92	55
4SD10/28	5.5		172	168	158	152	146	125	103	62
4SD10/31	7.5		188	184	174	168	160	141	110	68
4SD10/34	7.5		206	202	191	184	175	155	121	72

Installation dimensions and weight

Power		Dimension				Weight(kg)	
kW	HP	L1(mm)	L2(mm)	L(mm)	DN(inch)	Pump	Motor
0.75	1	354	369	723	2"	3.2	11
0.75	1	391	369	760		3.5	11
1.1	1.5	429	404	833		3.8	13
1.1	1.5	467	404	871		4.1	13
1.5	2	505	449	954		4.4	15
1.5	2	581	449	1030		5	15
2.2	3	657	539	1196		5.6	17
2.2	3	766	539	1305		6.2	17
3	4	876	557	1433		6.8	17.6
3	4	952	557	1509		7.4	17.6
4	5.5	1060	637	1697		8	20.7
4	5.5	1137	637	1774		8.6	20.7
5.5	7.5	1251	712	1963		9.5	25.7
5.5	7.5	1398	712	2110		10.4	25.7
7.5	10	1512	847	2359		12	32.3
7.5	10	1659	847	2506		12.9	32.3

