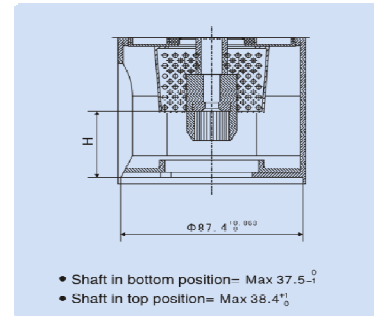


Deepwell submersible pump 4SP(M)

Features & benefits

Stainless steel impeller and diffuser ensures optimal sandy wells
 steel outer shell providing protection and of internal components
 bearings providing low friction and high wear
 Built-in check valve prevent back flow.
 steel splined drive shaft ensures positive longer life
 speed motor (2850r.p.m) limits internal life
 with control box with capacitor and thermal



performance in
 Heavy duty stainless
 accurate alignment
 High quality shaft
 resistance
 Strong stainless
 impeller drive and
 Standard 2 pole
 velocities for longer
 Single phase pump
 protection.

Application

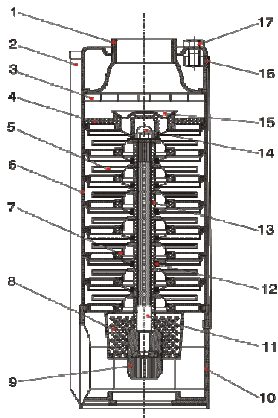
Groundwater supply to waterworks
 Irrigation in horticulture and agriculture
 Groundwater lowering
 Pressure boosting
 Industrial applications
 Water treatment

Specification

Capacity: up to 11 m³/h
 Head: up to 300meters
 Power :0.37Kw (1/2HP) to 7.5 Kw (10HP)
 Power supply:
 single-phase 230V±10%,50Hz. 220V±10%,60Hz
 three-phase 230V±10%,50Hz. 220V±10%,60Hz
 three-phase 400V±10%,50Hz. 380V±10%,60Hz
 Water temperature: up to 35°C
 Maximum immersion depth:350 meters

DEEP WELL SUBMERSIBLE PUMPS 4SP (M)

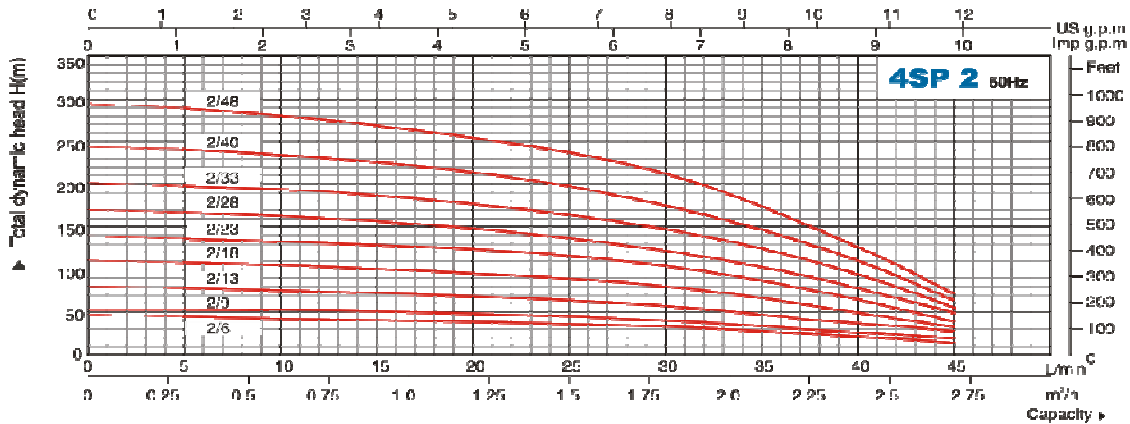
Materials of construction



ItemNo.	Part name	Material
1	Discharge head	AISI304SS
2	Cable guards	AISI304SS
3	Shield ring	AISI301SS
4	Spider-Uppering	NBR
5	Impeller	AISI304SS
6	Diffuser & Casing	AISI304SS
7	O-ring	NBR
8	Suction screen	AISI304SS
9	Coupling spline	AISI304SS
10	Motor Adapter	AISI304SS
11	Shaft	AISI304SS
12	Axial bearing	NBR
13	Bearing spacer	AISI304SS
14	Nut	AISI304SS
15	Check Valve	AISI304SS
16	Strap	AISI304SS
17	Bolt	AISI304SS

• Other voltages **4SP 2 DEEP WELL SUBMERSIBLE PUMP**

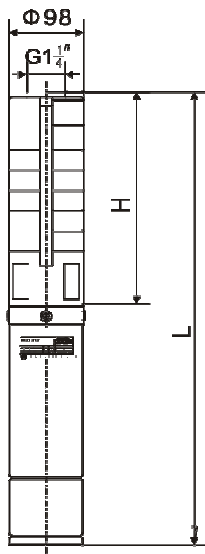
Performance curves



Performance table

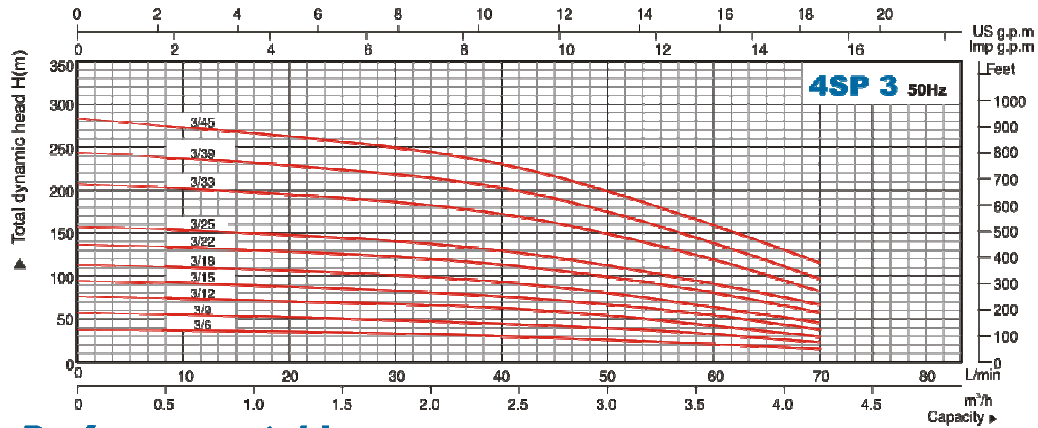
Model(50HZ)		Motor power		Capacity										
Single phase	Three phase	Kw	HP	l/min m ³ /h	0	5	10	15	20	25	30	35	40	45
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
4SPM2/6		0.37	0.5	Head (m)	48	37	35	32	30	28	26	23	17	10
4SPM2/9		0.37	0.5		55	54	53	51	48	45	40	33	25	14
4SPM2/13	4SP2/13	0.55	0.75		80	78	76	73	69	64	57	48	36	21
4SPM2/18	4SP2/18	0.75	1		110	108	105	101	96	89	80	67	50	29
4SPM2/23	4SP2/23	1.1	1.5		140	139	135	129	122	114	102	85	64	37
4SPM2/28	4SP2/28	1.5	2		171	168	163	158	149	139	124	103	78	45
4SPM2/33	4SP2/33	1.5	2		202	199	193	186	176	163	146	122	92	53
4SPM2/40	4SP2/40	2.2	3		245	241	234	225	213	198	177	148	112	65
4SPM2/48	4SP2/48	2.2	3		294	289	281	270	255	237	212	177	134	78

Dimensions & weights



Model (50Hz)	H (mm)	L (mm)	N.W kg		G.W (kg)	Packing dimension (mm)
			H	L		
4SPM2/6	280	613	2.4	9.9	10.5	660x φ 110
4SPM2/9	343	676	3	10.5	11.2	720x φ 110
4SPM2/13	427	780	4	12.3	13.1	825x φ 110
4SPM2/18	532	910	5.1	14.1	15.0	955x φ 110
4SPM2/23	637	1079	5.8	16.8	17.3	1125x φ 110
4SPM2/28	742	1214	6.9	19.3	20.5	1260x φ 110
4SPM2/33	847	1319	7.9	20.3	21.6	1365x φ 110
4SPM2/40	1029	1546	9.2	24.0	25.6	1590x φ 110
4SPM2/48	1197	1714	10.8	25.6	27.2	1760x φ 110
4SP2/13	427	760	4	11.3	12.1	805x φ 110
4SP2/18	532	895	5.1	14.1	15.0	940x φ 110
4SP2/23	637	1044	5.8	15.5	16.5	1090x φ 110
4SP2/28	742	1184	6.9	18.0	19.1	1230x φ 110
4SP2/33	847	1289	7.9	19.0	19.9	1000x φ 110
4SP2/40	994	1496	9.2	24.0	25.4	1540x φ 110
4SP2/48	1162	1664	10.8	24.6	26.2	1710x φ 110

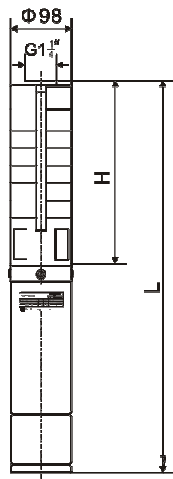
4SP 3 DEEP WELL SUBMERSIBLE PUMP



Performance table

Model(50Hz)		Motor power		Capacity								
Single phase	Three phase	Kw	HP	l/min m³/h	0	10	20	30	40	50	60	70
4SPM 3/6		0.37	0.5	Head (m)	38	36	35	33	31	28	23	16
4SPM 3/9	4SP 3/9	0.55	0.75		57	54	52	50	46	41	34	24
4SPM 3/12	4SP 3/12	0.75	1		76	73	70	67	62	55	46	33
4SPM 3/15	4SP 3/15	1.1	1.5		95	91	87	83	78	69	57	41
4SPM 3/18	4SP 3/18	1.1	1.5		114	109	105	100	93	83	68	49
4SPM 3/22	4SP 3/22	1.5	2		139	133	128	122	114	101	83	60
4SPM 3/25	4SP 3/25	1.5	2		158	152	146	138	129	115	95	68
4SPM 3/33	4SP 3/33	2.2	3		208	200	192	182	171	153	125	89
	4SP 3/39	3	4		246	236	227	216	202	180	148	108
	4SP 3/45	3	4		284	274	261	245	230	203	165	123

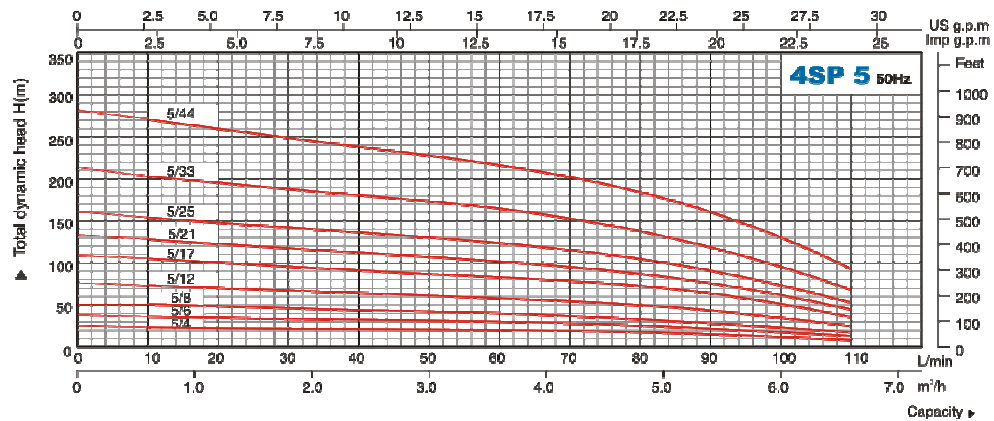
Dimensions & weights



Model (50Hz)	H (mm)	L (mm)	N.W kg		G.W (kg)	Packing dimension (mm)
			H	L		
4SPM3/6	280	613	2.4	9.9	10.5	660x φ 110
4SPM3/9	343	696	3	11.3	12.0	740x φ 110
4SPM3/12	406	784	3.8	12.8	13.6	830x φ 110
4SPM3/15	469	911	4.5	15.5	16.4	955x φ 110
4SPM3/18	532	974	5.1	16.1	17.0	1020x φ 110
4SPM3/22	616	1088	5.7	18.1	19.2	1135x φ 110
4SPM3/25	679	1151	6.3	18.7	19.8	1195x φ 110
4SPM3/33	847	1364	7.9	22.7	24.0	1410x φ 110
4SP3/9	343	676	3	10.3	11.0	720x φ 110
4SP3/12	406	769	3.8	12.8	13.6	815x φ 110
4SP3/15	469	876	4.5	14.2	15.1	920x φ 110
4SP3/18	532	939	5.1	14.8	15.7	985x φ 110
4SP3/22	616	1058	5.7	16.8	17.8	1105x φ 110
4SP3/25	679	1121	6.3	17.4	18.5	1165x φ 110
4SP3/33	847	1349	7.9	21.7	23.0	1395x φ 110
4SP3/39	973	1525	9.8	26.4	27.8	1570x φ 110
4SP3/45	1099	1651	10.8	27.4	29.0	1695x φ 110

4SP 5 DEEP WELL SUBMERSIBLE PUMP

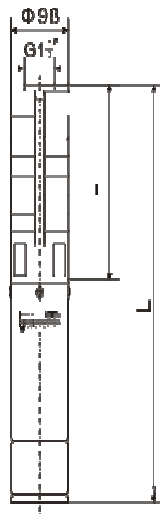
Performance curves



Performance table

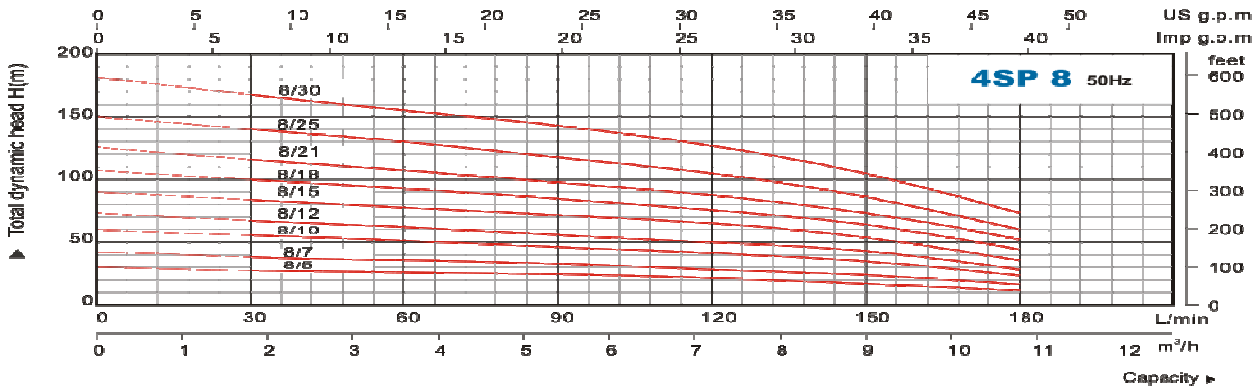
Model(50Hz)		Motor power		Capacity											
Single phase	Three phase	Kw	HP	l/min m³/h	0	20	30	40	50	60	70	80	90	100	110
					0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6	6.6
4SPM 5/4		0.37	0.5	Head (m)	26	24	23	22	21	20	19	17	14	11	8
4SPM 5/6	4SP 5/6	0.55	0.75		38	35	34	33	31	30	28	25	21	17	12
4SPM 5/8	4SP 5/8	0.75	1		51	47	45	44	42	40	37	33	28	23	17
4SPM 5/12	4SP 5/12	1.1	1.5		76	71	68	66	63	59	55	50	43	35	25
4SPM 5/17	4SP 5/17	1.1	1.5		109	100	96	93	89	84	78	71	61	50	35
4SPM 5/21	4SP 5/21	1.5	2		134	124	118	113	107	100	94	85	75	62	44
4SPM 5/25	4SP 5/25	1.5	2		160	147	141	136	130	124	115	104	90	73	52
4SPM 5/33	4SP 5/33	2.2	3		211	194	187	180	172	163	152	137	118	96	69
	4SP 5/44	3	4		281	259	249	240	230	218	202	183	158	128	92

Dimensions & weights



Model (50Hz)	H (mm)	L (mm)	N.W kg		G.W (kg)	Packing dimension (mm)
			H	L		
4SPM5/4	238	571	2.0	9.5	10.1	615x φ 110
4SPM5/6	200	633	2.4	10.7	11.3	600x φ 110
4SPM5/8	322	700	2.8	11.8	12.5	745x φ 110
4SPM5/12	406	784	3.8	14.8	15.6	830x φ 110
4SPM5/17	511	953	4.8	15.8	16.7	1000x φ 110
4SPM5/21	606	1067	5.5	17.0	18.0	1116x φ 110
4SPM5/25	679	1151	6.3	18.7	19.8	1195x φ 110
4SPM5/33	847	1364	7.9	22.7	24.0	1410x φ 110
4SP5/6	280	613	2.4	9.7	10.3	660x φ 110
4SP5/8	322	686	2.8	11.8	12.5	730x φ 110
4SP5/12	406	813	3.8	13.5	14.3	860x φ 110
4SP5/17	511	918	4.8	14.5	15.4	965x φ 110
4SP5/21	595	1037	5.5	16.6	17.6	1085x φ 110
4SP5/25	679	1121	6.3	17.4	18.5	1165x φ 110
4SP5/33	847	1340	7.9	21.7	23.0	1385x φ 110
4SP5/44	1078	1630	10.1	26.7	28.2	1675x φ 110

4SP 8 DEEP WELL SUBMERSIBLE PUMP



Model		Motor power		Capacity							
Single phase	Three phase	Kw	HP	l/min m³/h	0	30	60	90	120	150	180
					0	1.8	3.6	5.4	7.2	9	10.8
4SP(M)8/5	4SP8/5	0.75	1	Head (m)	30	28	26	24	21	17	12
4SP(M)8/7	4SP8/7	1.1	1.5		42	39	36	33	29	24	17
4SP(M)8/10	4SP8/10	1.5	2		60	55	51	48	42	35	24
4SP(M)8/12	4SP8/12	2.2	3		74	67	62	57	50	43	28
4SP(M)8/15	4SP8/15	2.2	3		90	84	78	72	65	54	36
	4SP8/18	3	4		108	100	93	85	76	63	44
	4SP8/21	4	5.5		126	117	108	99	89	73	51
	4SP8/25	4	5.5		150	140	130	117	105	86	60
	4SP8/30	5.5	7.5		181	168	155	142	127	105	73

Dimensions & weights

Model (50Hz)	H (mm)	L (mm)	N.W kg		G.W (kg)	Packing dimension (mm)
			H	L		
4SPM8/5	282	660	2.4	11.4	12.1	705x φ 110
4SPM8/7	313	691	2.9	13.9	14.6	735x φ 110
4SPM8/10	395	867	3.7	16.1	17.0	915x φ 110
4SPM8/12	474	991	4.2	19.0	19.9	1035x φ 110
4SPM8/15	556	1073	5.1	19.9	20.9	1120x φ 110
4SP8/5	282	645	2.4	11.4	12.1	690x φ 110
4SP8/7	313	720	2.9	12.6	13.3	765x φ 110
4SP8/10	395	837	3.7	14.8	15.6	885x φ 110
4SP8/12	474	967	4.2	18.0	18.9	1015x φ 110
4SP8/15	556	1049	5.1	18.9	19.9	1095x φ 110
4SP8/18	638	1190	5.8	22.4	23.5	1235x φ 110
4SP8/21	720	1322	6.5	25.5	26.7	1370x φ 110
4SP8/25	829	1431	7.6	26.6	27.9	1480x φ 110
4SP8/30	966	1712	8.9	40.3	42.0	1760x φ 110

