

# SHAKTI 4SS SUBMERSIBLE PUMP

4 Inch Series (50Hz)



# Shakti 4SS Submersible Pump 50Hz

## INTRODUCTION

Shakti 4ss pumps series is a robust 4" pumps designed for long life operation, it is built mainly in a special Floating type impeller the design is to enhance the overall performance of pumps.

The optimal design of impeller and diffuser enables the best possible hydraulic efficiency. Built-in check valve prevents back flow and reduces the risk of water hammering. All vital components of these pumps are made up of corrosive resistance thermoplastic and the shaft is of SS 304.

## FEATURES

- Simple installation and maintenance free
- Pump impellers are floating type.
- High efficiency design for low operation cost.
- Longer and trouble free life
- Wide hydraulic range.

## APPLICATIONS

- Domestic & Residential water supply
- Gardening and Small Farm Irrigation
- Washing systems
- Civil Applications use.
- Fountains

## MATERIAL SPECIFICATION:

Components	Material
Pump Outer Sleeve	AISI SS 304
Discharge Casing	AISI SS 304
Suction Casing	AISI SS 304
Diffuser	Noryl
Impeller	Noryl
Pump Shaft	AISI SS 304
Shaft Coupling	AISI SS 304
Wear Ring	AISI SS 304

## PERFORMANCE TABLE

### MODEL : 4SS1 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del Size - 32mm	M <sup>3</sup> /hrs.	0.0	0.6	0.8	1.0	1.1	1.4	1.7
			KW	HP			0	10	14	16	19	23	28
9900005301	9000032881	4 INCH	0.37	0.5	15	Head (m)	105	85	74	68	57	40	20
9900005302	9000032882	4 INCH	0.75	1	20		138	110	98	89	78	55	25
9900005303	9000032883	4 INCH	1.10	1.5	33		228	200	163	149	126	88	35

### MODEL : 4SS2 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 32mm	M <sup>3</sup> /hrs.	0	1.0	1.8	2.2	2.3	2.4	3.6	4.0
			KW	HP			0	15	30	36	38	40	60	66
9900005082	9000030658	4 INCH	0.37	0.5	7	Head (m)	54	50	46	42	39	36	17	5
9900005083	9000030672	4 INCH	0.55	0.75	9		67	65	57	52	50	48	20	6
9900005084	9000031468	4 INCH	0.75	1	12		89	86	73	67	64	60	31	7
9900005085	9000030661	4 INCH	1.1	1.5	18		135	130	111	100	95	89	38	9
9900005086	9000029298	4 INCH	1.5	2	25		181	170	152	140	138	125	54	11
9900005087	9000031483	4 INCH	2.2	3	35		255	240	215	191	183	174	72	13



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## PERFORMANCE TABLE

### MODEL : 4SS3 (50Hz)

PUMPSET CODE	PUMP CODES	MOTOR	RATING		Del size - 32mm	M <sup>3</sup> /hrs.	0	2.0	2.4	2.7	3.0	3.6	4.2	4.8
			kW	HP			STAGE	LPM	0	33	40	45	50	60
9900005163	9000032431	4 INCH	0.37	0.5	7	Head (m)	52	46	41	38	35	27	17	6
9900005174	9000032432	4 INCH	0.55	0.75	9		67	59	53	49	45	34	22	8
9900005175	9000030678	4 INCH	0.75	1	11		82	72	65	60	55	42	26	9
9900005164	9000029051	4 INCH	1.1	1.5	16		119	104	94	87	80	61	38	13
9900005165	9000029054	4 INCH	1.5	2	20		149	130	118	109	100	76	48	17
9900005201	9000029055	4 INCH	2.2	3	30		224	195	177	163	150	114	72	25

### MODEL : 4SS4 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 40mm	M <sup>3</sup> /hrs.	0	2.0	3.0	3.6	4.2	4.8	5.4	6.0
			KW	HP			STAGE	LPM	0	34	50	60	70	80
9900005166	9000031605	4 INCH	0.75	1	8	Head (m)	61	53	49	44	37	28	18	4
9900005176	9000031606	4 INCH	1.1	1.5	11		84	73	68	60	51	38	25	6
9900005177	9000031607	4 INCH	1.5	2	16		122	107	99	87	74	55	36	9
9900005178	9000031608	4 INCH	2.2	3	23		175	153	142	126	106	80	51	13
9900005179	9000031609	4 INCH	3.0	4	26		198	173	161	142	120	90	58	14
9900005180	9000029299	4 INCH	4.0	5.5	36		274	240	222	196	167	125	81	20

### MODEL : 4SS8 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 40mm	M³/hrs	0	3	6	7	8	8.5	9	11
			kW	HP	STAGE	LPM	0	50	100	120	130	141	150	180
9900005181	9000031858	4 INCH	0.55	0.75	5	Head (m)	32	28	24	21	18	16	13	3
9900005182	9000031859	4 INCH	0.75	1	7		45	39	33	29	25	22	19	4
9900005183	9000031860	4 INCH	1.1	1.5	10		64	56	48	41	36	32	26	6
9900005184	9000031861	4 INCH	1.5	2	13		83	73	62	54	47	41	34	8
9900005185	9000031862	4 INCH	2.2	3	19		121	106	91	78	68	60	50	11
9900005186	9000031863	4 INCH	3	4	22		140	123	105	91	79	70	58	13
9900005187	9000031864	4 INCH	4	5.5	32		204	179	152	132	115	102	85	19

### MODEL : 4SS10 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 50mm	M <sup>3</sup> /hrs.	0	6	8.2	9	10	11.4	12.6	14
			kW	HP			STAGE	LPM	0	100	136	150	170	190
9900005188	9000031809	4 INCH	0.55	0.75	4	Head (m)	26	22	20	18	15	12	7	4
9900005189	9000031810	4 INCH	1.5	1.1	7		45	38	34	31	26	21	13	7
9900005190	9000031812	4 INCH	1.5	2	10		65	55	49	45	37	30	19	10
9900005191	9000031765	4 INCH	2.2	3	15		97	82	74	67	56	45	28	15
9900005192	9000031813	4 INCH	3	4	17		110	93	84	76	63	50	32	17
9900005193	9000031814	4 INCH	4	5.5	22		143	120	108	98	82	65	41	22



# Shakti 4SS Submersible Pump 50Hz

## PERFORMANCE TABLE

### MODEL : 4SS12 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 50mm	M³/hrs.	0	7	9	11	12	14	15	16
			kW	HP			STAGE		LPM	0	120	150	180	200
9900005194	9000032240	4 INCH	0.55	0.75	3	Head (m)	18	14	13	11	10	8	6	5
9900005195	9000032257	4 INCH	0.75	1	4		25	19	17	15	13	11	8	7
9900005196	9000032241	4 INCH	1.1	1.5	6		37	28	26	22	20	16	13	11
9900005197	9000032242	4 INCH	1.5	2	8		49	37	34	30	26	22	17	14
9900005198	9000032243	4 INCH	2.2	3	12		74	56	51	44	40	32	25	22
9900005199	9000032244	4 INCH	3.0	4	16		98	74	68	59	53	43	34	29
9900005200	9000032245	4 INCH	3.7	5	20		123	93	86	74	66	54	42	36
9900005202	9000032246	4 INCH	5.5	7.5	30		185	140	128	111	99	81	63	54

### MODEL : 4SS16 (50Hz)

PUMPSET CODE	PUMP CODE	MOTOR	RATING		Del size - 50mm	M³/hrs.	0	12	15	16	17	18	23
			kW	HP	STAGE	LPM	0	200	250	267	285	300	381
9900005284	9000032443	4 INCH	0.75	1	3	Head (m)	18	14	12	11	10	9	6
9900005285	9000032444	4 INCH	1.1	1.5	4		24	19	15	14	13	12	8
9900005286	9000032445	4 INCH	1.5	2	6		35	28	23	21	20	19	12
9900005287	9000032446	4 INCH	2.2	3	8		47	37	31	29	27	25	16
9900005288	9000032447	4 INCH	3.7	5	13		77	61	50	46	44	40	26
9900005289	9000032448	4 INCH	5.5	7.5	20		118	93	77	71	67	62	40



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