SHAKTI

PUMPING LIFE

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.

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

APPLICATIONS

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

PERFORMANCE TABLE

MODEL : 4SS1 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 32mm	M^3/hrs.	0.0	0.6	0.8	1.0	1.1	1.4	1.7
		kW	HP	Stage	LPM	0	10	14	16	19	23	28
9000033529	4 Inch	0.55	0.75	18	Head (m)	119	102	83	76	64	44	3
9000033530	4 Inch	0.75	1	30		203	170	137	123	104	69	4
9000033531	4 Inch	1.1	1.5	35		238	198	161	145	119	77	6

MODEL : 4SS2 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 32mm	M^3/hrs.	0.0	1.8	2.2	2.3	2.4	3.6	4.0
		kW	HP	Stage	LPM	0	30	36	38	40	60	67
9000031468	4 Inch	0.55	0.75	12	Head (m)	87	71	64	61	58	24	4
9000030470	4 Inch	0.75	1	17		122	98	90	87	82	42	5
9000033532	4 Inch	1.1	1.5	24		168	134	121	114	110	45	7
9000033533	4 Inch	1.5	2	30		211	169	151	146	136	50	10
9000031483	4 Inch	2.2	3	35		255	215	191	183	174	72	13

Shakti 4SS Submersible Pump 50Hz

PERFORMANCE TABLE

MODEL : 4SS3 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 32mm	M^3/hrs.	0.0	2.0	2.4	2.7	3.0	3.6	4.5
		kW	HP	Stage	LPM	0	33	40	45	50	60	75
9000033534	4 Inch	0.55	0.75	12	Head (m)	85	69	62	57	50	35	4
9000033535	4 Inch	0.75	1	15		112	92	84	77	69	48	8
9000029054	4 Inch	1.1	1.5	20		146	123	110	100	89	66	12
9000033536	4 Inch	1.5	2	27		192	159	144	131	115	77	15
9000029055	4 Inch	2.2	3	30		224	195	177	163	150	114	25

MODEL : 4SS4 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 40mm	M^3/hrs.	0.0	2.0	3.0	3.6	4.2	4.8	6.0
		kW	HP	Stage	LPM	0	33	50	60	70	80	100
9000033537	4 Inch	0.55	0.75	9	Head (m)	67	58	50	43	35	25	4
9000031606	4 Inch	0.75	1	11		84	74	65	57	45	34	6
9000031607	4 Inch	1.1	1.5	16		119	105	93	81	67	52	8
9000033538	4 Inch	1.5	2	20		148	130	117	100	82	60	12
9000031608	4 Inch	2.2	3	23		175	153	142	126	106	80	13
9000031609	4 Inch	3.0	4	26		198	173	161	142	120	90	14
9000029299	4 Inch	4.0	5.5	36		274	240	222	196	167	125	20

MODEL : 4SS8 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 40mm	M^3/hrs.	0.0	6.0	7.2	7.8	8.4	9.0	10.2
		kW	HP	Stage	LPM	0	100	120	130	140	150	170
9000031859	4 Inch	0.55	0.75	7	Head (m)	44	31	26	24	21	17	8
9000033539	4 Inch	0.75	1	8		50	34	29	26	22	18	10
9000031861	4 Inch	1.1	1.5	13		80	54	46	41	36	30	13
9000033540	4 Inch	1.5	2	17		103	69	58	52	45	37	16
9000031862	4 Inch	2.2	3	19		121	91	78	68	60	50	20
9000031863	4 Inch	3.0	4	22		140	105	91	79	70	58	23
9000031864	4 Inch	4.0	5.5	32		204	152	132	115	102	85	27

MODEL : 4SS10 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 50mm	M^3/hrs.	0.0	6.0	8.0	9.0	10.2	11.4	12.0
		kW	HP	Stage	LPM	0	100	133	150	170	190	200
9000033541	4 Inch	0.55	0.75	5	Head (m)	32	25	22	17	12	8	4
9000033542	4 Inch	0.75	1	6		40	31	26	22	16	10	5
9000031812	4 Inch	1.1	1.5	10		64	49	41	36	28	19	8
9000033543	4 Inch	1.5	2	11		70	53	43	36	26	16	11
9000031765	4 Inch	2.2	3	15		97	82	75	67	56	45	28
9000031813	4 Inch	3.0	4	17		110	93	85	76	63	50	32
9000031814	4 Inch	4.0	5.5	22		143	120	109	98	82	65	41

Shakti 4SS Submersible Pump 50Hz

PERFORMANCE TABLE

MODEL : 4SS12 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 50mm	M^3/hrs.	0.0	7.2	9.0	10.8	12.0	13.8	16.0
		kW	HP	Stage	LPM	0	120	150	180	200	230	267
9000032240	4 Inch	0.55	0.75	3	Head (m)	19	14	12	10	8	5	3
9000032241	4 Inch	0.75	1	6		37	28	25	22	20	15	6
9000032242	4 Inch	1.1	1.5	8		47	38	31	27	23	16	7
9000033544	4 Inch	1.5	2	11		64	43	39	32	26	18	8
9000032243	4 Inch	2.2	3	12		74	56	51	44	40	32	22
9000032245	4 Inch	4.0	5.5	20		123	93	86	74	66	54	36
9000032246	4 Inch	5.5	7.5	30		185	140	128	111	99	81	54

MODEL : 4SS16 (50Hz)

PUMP CODE	MOTOR	RATING		Del Size - 50mm	M^3/hrs.	0.0	9.0	13.8	15.0	16.0	16.8	18.0
		kW	HP	Stage	LPM	0	150	230	250	267	280	300
9000032443	4 Inch	0.75	1	3	Head (m)	18	14	11	10	9	7	**4**
9000032444	4 Inch	1.1	1.5	4		23	19	15	14	13	11	9
9000032445	4 Inch	1.5	2	6		34	26	20	18	17	15	13
9000032446	4 Inch	2.2	3	8		47	42	34	31	29	27	25
9000032447	4 Inch	4.0	5.5	13		77	68	54	50	46	44	40
9000032448	4 Inch	5.5	7.5	20		118	105	86	77	71	67	62

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SHAKTI PUMPS (INDIA) LIMITED

CIN : L29120MP1995PLC009327 I Web: www.shaktipumps.com I E-mail: info@shaktipumps.com

Corporate Office : Plot No. C-04, Silver Spring, Phase-2, Business Park, By-Pass Road, Opp D Mart, Indore-452020. (M.P.) INDIA. Tel.: +91 731 3635000

Regd. Office / Factory Add. : Plot No. 401, 402 & 413, Industrial Area, Sector - 3, Pithampur-454774, Dist. Dhar (M.P.) INDIA. Tel.: +91 7292 410500