

SHAKTI SLIP START SYNCHRONOUS RUN MOTOR

(S4RM - Premium 150) 50 Hz



SHAKTI

THE POWER OF INNOVATION, EFFICIENCY & TECHNOLOGY.

Best Suitable Application





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Shakti Slip Start Synchronous Run Motor (S4RM) is a newly launched technology for high power factor super efficient motors. The motor with this technology starts asynchronously and runs at synchronous speed in steady state, thereby leading to combined advantages of induction (self start) and synchronous motor (high efficiency). S4RM motors are available in both surface and submersible categories. The fast payback makes it ideal for use in line connected environment.

APPLICATIONS

The motor is built for dependable operation in 150mm diameter or larger water wells. Water lubricated thrust and radial bearings enable a maintenance free operation. A special diaphragm ensures pressure compensation inside the motor. The motor is filled a special fluid, providing frost protection down to -15 °C storage temperature.

FEATURES

- High efficiency.
- Less no. of component in the system (VFD is not required).
- Power factor close to unity.
- Starting current is least of all other motors.
- High performance.
- High and constant discharge even at reduced voltage.

TECHNICAL SPECIFICATION

- 4.0 – 22 kW
- Standard Voltage : 380-415V / 50 Hz
- 6 Inch NEMA flange
- Installation : Vertical
- Protection : IP68
- Voltage tolerance : +6% / -10% UN
- Starts per hour : 20
- Insulation : Class F
- Rated ambient temperature : up to 30 °C
- Cooling flow : Min 0.16 m/sec.

PERFORMANCE DATA

MATERIAL CODE	HP	KW	Thrust	Voltage	Speed	I _N	I _A	Efficiency at % Load			Power Factor at % Load			T _N	T _A
								50	75	100	50	75	100		
9000026551	5.5	4.0	15500	380	3000	6.7	39.7	84	86	87	0.99	0.96	0.97	12.7	21.7
				400	3000	6.5	40.2	84	86	87	0.92	0.95	0.95	12.7	24.5
				415	3000	6.4	40.1	83	85	87	0.87	0.90	0.93	12.7	26.9
9000026552	7.5	5.5	15500	380	3000	10.2	33.7	86	87	88	0.94	0.96	0.94	17.5	39.2
				400	3000	9.9	34.1	85	87	88	0.90	0.92	0.93	17.5	44.7
				415	3000	9.8	34.8	84	86	88	0.84	0.88	0.9	17.5	48.8
9000026553	10	7.5	15500	380	3000	13.6	53.8	87	89	89	0.96	0.97	0.96	23.9	53.5
				400	3000	13.2	54.7	86	88	89	0.91	0.94	0.94	23.9	60.1
				415	3000	13	54.6	86	88	89	0.85	0.90	0.92	23.9	65.4
9000026554	15	11	15500	380	3000	20.0	80.0	86	88	89	0.93	0.95	0.94	35.0	73.5
				400	3000	19.5	76.1	86	87	88	0.90	0.92	0.92	35.0	78.8
				415	3000	19.5	70.2	85	87	88	0.85	0.88	0.89	35.0	84.0
9000024265	20	15	15500	380	3000	28.5	100.3	87	88	88	0.94	0.93	0.92	47.8	94.7
				400	3000	27.9	102.0	87	87	88	0.89	0.89	0.9	47.8	106.7
				415	3000	28	102.5	86	87	88	0.84	0.85	0.87	47.8	118.7
9000024266	25	18.5	15500	380	3000	33.7	111.3	85	88	90	0.93	0.93	0.93	58.9	123.7
				400	3000	33.1	113.4	84	88	89	0.9	0.91	0.90	58.9	139.4
				415	3000	33.2	115.6	82	87	89	0.87	0.87	0.87	58.9	152.2
9000024267	30	22	15500	380	3000	40.3	117.8	89	90	90	0.94	0.93	0.94	70.0	124.3
				400	3000	39.7	120.1	89	89	90	0.91	0.90	0.91	70.0	139.8
				415	3000	39.1	120.2	88	89	90	0.87	0.87	0.89	70.0	153.5

All specifications and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market requirements and regulations. A pump system consists of a controller, motor and pump end.



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