



**“KALSI” ENERGY EFFICIENT INDUCTION MOTORS**  
 (AS PER IS 12615 : 2011)  
**Performance Characteristics of Three Phase Energy Efficient Induction Motors at 415V**  
 Insulation Class ‘B’



1000 RPM (6 POLE) AC MOTORS			OPERATING CHARACTERISTICS AT RATED OUTPUT			
HP	kW	FRAME SIZE	FL. SPEED (RPM)	Nom. Efficiency-IE2(%)	Rated Current (Amps.)	Starting Torque (%)
0.5	0.37	80	900	69.0	1.2	>160
0.75	0.55	80	900	72.9	1.8	>160
1.0	0.75	90	910	75.9	2.3	>160
1.5	1.1	90 S	920	78.1	3.2	>160
2.0	1.5	100 L	930	79.8	3.8	>160
3.0	2.2	112 M	940	81.8	5.2	>150
5.0	3.7	132 S	950	84.3	8.7	>150
7.5	5.5	132 M	950	86.0	12.5	>150
10.0	7.5	160 M	960	87.2	16.5	>150
15.0	11.0	160 L	955	88.7	22.0	>140
20.0	15.0	180 L	960	89.7	29.5	>140
25.0	18.5	200 L	970	90.4	35.0	>140
30.0	22.0	200 L	975	90.9	41.0	>140

**Statutory Disclaimer:-** In view of continual development, the performance figures / information / description / illustrations are subject to change without any prior notice. The performance data given is based on results achieved during tests conducted under ideal test conditions in a laboratory. Actual site conditions may result in variation in these performance values. Depending upon customer feedback and continual improvement, new models are introduced on regular basis, kindly consult your local dealer/re-seller for appropriate pump selection.

Total Head=Suction Head + Delivery Head + Friction Losses



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1500 RPM (4 POLE) AC MOTORS			OPERATING CHARACTERISTICS AT RATED OUTPUT			
HP	kW	FRAME SIZE	EL. SPEED (RPM)	Nom. Efficiency-IE2(%)	Rated Current (Amps.)	Starting Torque (%)
0.5	0.37	71	1350	70.1	1.25	>170
0.75	0.55	80	1350	75.1	1.6	>170
1.0	0.75	80	1400	79.6	2.1	>170
1.5	1.1	90 S	1410	81.4	2.9	>170
2.0	1.5	90 L	1410	82.8	3.7	>170
3.0	2.2	100 L	1420	84.3	4.8	>170
5.0	3.7	112 M	1440	86.3	7.9	>160
7.5	5.5	132 S	1445	87.7	10.6	>160
10.0	7.5	132 M	1450	88.7	15.4	>160
15.0	11.0	160 M	1460	89.8	21.3	>160
20.0	15.0	160 L	1450	90.6	28.5	>160
25.0	18.5	180 M	1450	91.2	35.0	>160
30.0	22.0	180 L	1450	91.6	42.0	>160

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3000 RPM (2 POLE) AC MOTORS			OPERATING CHARACTERISTICS AT RATED OUTPUT			
HP	kW	FRAME SIZE	EL. SPEED (RPM)	Nom. Efficiency-IE2(%)	Rated Current (Amps.)	Starting Torque (%)
0.5	0.37	71	2805	72.2	1.1	>170
0.75	0.55	71	2770	74.8	1.5	>170
1.0	0.75	80	2830	77.4	1.8	>170
1.5	1.1	80	2795	79.6	2.6	>170
2.0	1.5	90 S	2875	81.3	3.5	>170
3.0	2.2	90 L	2880	83.2	4.7	>170
5.0	3.7	100 L	2920	85.5	7.8	>160
7.5	5.5	132 S	2930	87.0	10.7	>160
10.0	7.5	132 S	2860	88.1	14.6	>160
15.0	11.0	160 M	2880	89.4	21.2	>160
20.0	15.0	160 M	2880	90.3	28.5	>160
25.0	18.5	160 L	2890	90.9	34.6	>160
30.0	22.0	180 M	2900	91.3	40.5	>160

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Total Head=Suction Head + Delivery Head + Friction Losses