



TEFC Three Phase Electric Motors



.....Helps the world to save Energy.....



ARVIND TOTALLY ENCLOSED FAN COOLED THREE PHASE MOTORS

As per IS:4691 and IS : 6362, Squirrel Cage, 415 V, 50 Hz., Insulation Class F, IP-44

Rated Output		Frame Size (IS)				Operating Characteristics at Rated Output																With Direct Line Starting											
						Rated Speed RPM				Rated Current Amps				Power Factor				Efficiency n%				Starting Rate Current Tst/R				Starting Rated Torque Tst/R				Pullout Rated Torque Tpo/TR			
KW	HP	2P	4p	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P	2P	4P	6P	8P
0.09	0.125	56	56			2750	1375			0.38	0.4			0.57	0.61			57	55			4.0	3.2			2.0	1.8			2.0	2.2		
0.12	0.16	56	56			2750	1375			0.47	0.5			0.57	0.63			58	57			4.1	3.4			2.0	1.9			2.1	2.2		
0.18	0.25	63	63	71	80	2730	1370	900	600	0.61	0.65	0.77	0.91	0.69	0.69	0.60	0.60	59	60	53	44	4.4	3.4	3.2	2.1	2.5	2.1	1.7	1.6	2.7	2.7	2.2	2.0
0.25	0.33	63	71	80	80	2710	1390	910	650	0.78	0.8	1.07	1.2	0.70	0.72	0.60	0.62	59	60	55	50	4.0	3.8	3.3	2.4	2.3	2.4	1.75	1.7	2.7	2.7	2.1	2.1
0.37	0.50	71	71	80	90S	2790	1370	915	665	1.1	1.1	1.4	1.4	0.72	0.69	0.65	0.65	69	64	64	55	5.1	4.5	3.2	3.2	2.0	2.5	1.75	1.8	2.3	3.2	2.4	2.0
0.55	0.75	71	80	80	90L	2790	1400	920	700	1.3	1.6	1.6	2.3	0.74	0.69	0.69	0.60	73	65	71	55	5.1	4.7	3.5	2.6	2.4	2.5	2.1	1.8	2.4	3.2	2.5	2.1
0.75	1.0	80	80	90S	100L	2820	1400	920	695	1.8	1.9	2.1	2.6	0.77	0.75	0.71	0.60	74	70	69	63	5.2	4.7	4.4	3.8	2.4	2.4	2.1	1.7	2.6	2.8	2.4	2.0
1.1	1.5	80	90S	90L	100L	2820	1410	935	700	2.4	2.6	2.8	3.8	0.78	0.75	0.70	0.60	75	75	71	71	4.7	4.8	4.5	4.2	2.5	2.4	2.3	2.1	2.5	3.1	2.5	2.3
1.5	2.0	90S	90L	100L	112M	2810	1410	940	705	3.4	3.45	3.9	4.0	0.82	0.82	0.73	0.70	76	76	75	74	5.1	5.3	4.6	4.2	2.5	2.7	2.0	1.9	2.7	3.0	2.6	2.0
2.2	3.0	90L	100L	112M	132S	2830	1420	945	705	4.7	4.7	5.3	5.3	0.85	0.81	0.73	0.74	78	82	78	80	6.9	5.2	4.0	4.1	2.8	2.4	2.1	1.6	2.75	2.5	2.3	2.7
3.7	5.0	100L	112M	132S	160M	2856	1430	945	705	7.2	7.7	8.3	8.8	0.84	0.81	0.77	0.74	80	83	80	80	6.9	5.0	4.0	4.3	2.9	2.1	2.2	2.0	2.7	2.6	2.4	2.6
5.5	7.5	112M	132S	132M	160M	2910	1440	955	710	10.8	11.3	12.8	12.7	0.86	0.81	0.73	0.75	82	85	82	81	6.8	5.0	4.6	4.4	2.6	2.1	2.0	2.0	2.7	2.5	2.5	2.5
7.5	10.0	132S	132M	160M	160L	2900	1445	960	720	14.5	14.9	16.2	16.5	0.87	0.82	0.78	0.79	80	86	85	81	6.9	5.0	5.9	4.6	2.4	2.0	2.1	2.2	2.5	2.5	2.4	2.5
9.3	12.5	132M	160M	160L	180L	2900	1450	955	720	17.8	18.2	19.0	19.8	0.87	0.78	0.81	0.80	83	86	85	82	7.0	5.4	5.7	4.7	2.4	2.2	2.2	2.2	2.55	2.6	2.4	2.5
11.0	15.0	160M	160M	160L	180L	2910	1455	965	720	20.8	23.9	23.0	24.0	0.85	0.82	0.77	0.70	84	86	85	82	7.0	5.3	6.0	5.1	2.3	2.4	2.2	2.0	2.5	2.6	2.5	2.4
15.	20.0	160M	160L	180L		2900	1455			28.2	28.2	27.9		0.88	0.80	0.84	0.80		86	87			6.8	5.0	6.1		2.5	2.4	2.3		2.7	2.7	2.4
18.5	25.0	160L	180L			2910	1460			34.0	34.0			0.88	0.82	0.83			87				6.8	5.4			2.3	2.4			2.5	2.6	
22.0	30.0	180L				2890	1460			53.1	53.1			0.87	0.83	0.82			87				6.8	6.5			2.3	2.4			2.5	2.4	