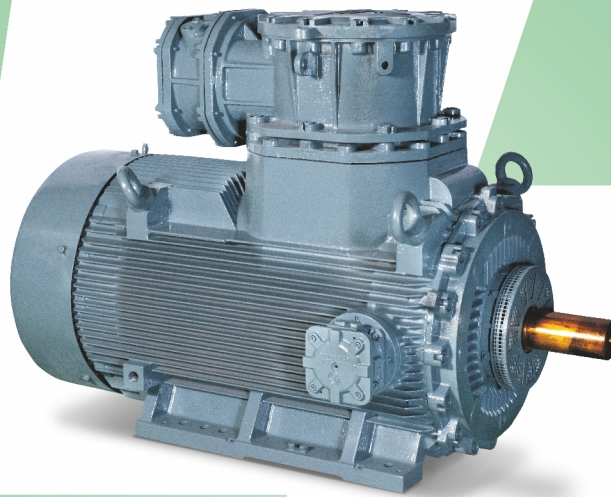


MOTORS PRICE LIST

LP46 w.e.f. 05th December 2025



A MOTOR FOR EVERY NEED



LONG LASTING



WIDE RANGE



ENERGY EFFICIENT



RELIABLE

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MOTORS PRODUCT RANGE



General Purpose Motors for Safe Area

- IE2 series
- Premium Efficiency IE3 series motors
- Super Premium Efficiency IE4 series motors



Hazardous Area Motors

- Flame Proof Ex'd' Motors in standard, IE2 and IE3 efficiency series
- Increased Safety Ex ec Motors in IE2 and IE3 efficiency series

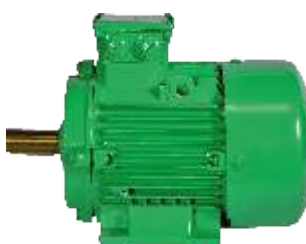


Special Purpose Motors

- Brake Motors
- Crane & Hoist Duty Motors
- Slip Ring Motors
- Cane Unloader Motors
- Fire Fighting Pump Application Motors



High Efficiency Large Frame Motors with DCCA



SynchroVERT®

IE4 Super Premium Efficiency Motors



MV Motors upto 1250kW

- Safe Area Motors: upto 11kV
- Non Sparking Ex(nA) Motors: upto 11kV

Download Catalogues here!

<https://www.bharatbijlee.com/electric-motors/catalogues/>

PRICE LIST GUIDELINES

1. This Price List : LP46 w.e.f. 05th December' 2025 supercedes all our earlier Price Lists.
2. Prices mentioned are maximum recommended selling prices and Bharat Bijlee Limited reserves the right to change the prices without prior notice.
3. Prices mentioned are in Indian Rupees.
4. Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.
5. kW and HP are indicated; kW is binding and HP is approximate.
6. Product upgradation is a continuous process, hence data in this price list is subject to change without prior notice.

7. Cash Extra Price Calculations:

- 7.1 Wherever cash extras are in percentage please add to the list price and then apply discount.
- 7.2 Where cash extras are in absolute values please add them to the discounted net price i.e. after applying the discount. Discounts are not applicable on absolute values.

For latest information, queries & enquiries please contact our nearest sales office.



A MOTOR FOR EVERY NEED

IE2 Series Safe Area Motors

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V $\pm 10\%$, 50Hz $\pm 5\%$,
 Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55,
 Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

3000 rpm 2 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.75	1.00	80	2H080213CT000	28,350
1.10	1.50	80	2H080233CT000	32,130
1.50	2.00	90S	2H09S243CT000	37,080
2.20	3.00	90L	2H09L273CT000	45,400
3.70	5.00	100L	2H10L233CT000	56,430
5.50	7.50	132S	2H13S2G3CT000	95,940
7.50	10.00	132S	2H13S2N3CT000	1,06,200
9.30	12.50	160M	2H16M233CT000	1,74,570
11.00	15.00	160M	2H16M253CT000	1,86,290
15.00	20.00	160M	2H16M263CT000	2,00,930
18.50	25.00	160L	2H16L293CT000	2,58,180
22.00	30.00	180M	2H18M233CT000	2,97,830
30.00	40.00	200L	2H20L2A3CT000	4,10,460
37.00	50.00	200L	2H20L273CT000	4,86,350
45.00	60.00	225M	2H22M253CT000	6,25,840
55.00	75.00	250M	2H25M233CT000	8,59,990
75.00	100.00	280S	2H28S233CT000	11,42,400
90.00	120.00	280M	2H28M253CT000	13,12,780
110.00	150.00	315S	2H31S23300000	17,17,820
125.00	170.00	315M	2H31M2A300000	19,71,780
132.00	180.00	315M	2H31M23300000	20,18,040
150.00	200.00	315L	2H31L2A300000	22,67,320
160.00	215.00	315L	2H31L25300000	22,69,700
180.00	240.00	315L	2H31L2B300000	23,89,550
200.00	270.00	355L	2H35L2A300000	28,20,750
250.00	335.00	355L	2H35L21300000	30,56,920
315.00	425.00	355L	2H35L23300000	33,65,800

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.55	0.75	80	2H080433CT000	28,410
0.75	1.00	80	2H080453CT000	28,830
1.10	1.50	90S	2H09S423CT000	37,230
1.50	2.00	90L	2H09L473CT000	43,200
2.20	3.00	100L	2H10L473CT000	52,940
3.70	5.00	112M	2H11M473CT000	68,120
5.50	7.50	132S	2H13S4K3CT000	95,160
7.50	10.00	132M	2H13M4T3CT000	1,09,950
9.30	12.50	132M	2H13M4H3CT000	1,53,390
9.30	12.50	160M	2H16M4C3CT000	1,73,120
11.00	15.00	160M	2H16M4K3CT000	1,76,100
15.00	20.00	160L	2H16L4T3CT000	2,25,080
18.50	25.00	180M	2H18M473CT000	2,92,050
22.00	30.00	180L	2H18L483CT000	3,19,830
30.00	40.00	200L	2H20L453CT000	4,22,210
37.00	50.00	225S	2H22S433CT000	4,83,030
45.00	60.00	225M	2H22M453CT000	5,72,190
55.00	75.00	250M	2H25M433CT000	7,94,060
75.00	100.00	280S	2H28S423CT000	10,37,310
90.00	120.00	280M	2H28M453CT000	12,08,270
110.00	150.00	315S	2H31S413CT000	13,95,440
125.00	170.00	315M	2H31M4A3CT000	15,90,410
132.00	180.00	315M	2H31M433CT000	16,36,150
150.00	200.00	315L	2H31L4A3CT000	19,39,360
160.00	215.00	315L	2H31L453CT000	20,32,530
180.00	240.00	315L	2H31L463CT000	21,58,930
200.00	270.00	315L	2H31L473CT000	22,27,530
250.00	335.00	355L	2H35L41300000	30,32,390
315.00	425.00	355L	2H35L43300000	35,27,060
355.00	475.00	355L	2H35L45300000	42,09,470

3000 rpm 2 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	56	2H056235AT000	15,300
0.18	0.24	63	2H063213AT000	17,760
0.25	0.33	63	2H063233AT000	18,280
0.37	0.50	71	2H0712A3AT000	20,760
0.55	0.75	71	2H071233AT000	26,660
0.75	1.00	80	2H080213AT000	27,510
1.10	1.50	80	2H080233AT000	30,030
1.50	2.00	90S	2H09S243AT000	34,380
2.20	3.00	90L	2H09L273AT000	44,090
3.70	5.00	100L	2H10L233AT000	54,770
5.50	7.50	132S	2H13S2G3AT000	93,140
7.50	10.00	132S	2H13S2N3AT000	1,01,450

1500 rpm 4 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	63	2H063413AT000	16,850
0.18	0.25	63	2H063433AT000	19,050
0.25	0.33	71	2H0714A3AT000	19,300
0.37	0.50	71	2H071433AT000	21,340
0.55	0.75	80	2H080433AT000	27,590
0.75	1.00	80	2H080453AT000	27,980
1.10	1.50	90S	2H09S423AT000	34,480
1.50	2.00	90L	2H09L473AT000	41,930
2.20	3.00	100L	2H10L473AT000	51,400
3.70	5.00	112M	2H11M473AT000	63,070
5.50	7.50	132S	2H13S4K3AT000	89,010
7.50	10.00	132M	2H13M4T3AT000	1,03,830
9.30	12.50	132M	2H13M4H3AT000	1,48,920

Frame 56 is available only in Aluminium body with flange mounting arrangement.
 Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

IE2 Series Safe Area Motors

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V ±10%, 50Hz ±5%,
Combined Variation ±10%, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55,
Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.37	0.50	80	2H080613CT000	31,480
0.55	0.75	80	2H080633CT000	32,210
0.75	1.00	90S	2H09S633CT000	36,260
1.10	1.50	90L	2H09L653CT000	40,980
1.50	2.00	100L	2H10L633CT000	56,330
2.20	3.00	112M	2H11M653CT000	63,930
3.70	5.00	132S	2H13S6G3CT000	99,140
5.50	7.50	132M	2H13M6T3CT000	1,20,030
7.50	10.00	160M	2H16M633CT000	1,75,290
9.30	12.50	160L	2H16L663CT000	2,03,520
11.00	15.00	160L	2H16L673CT000	2,15,620
15.00	20.00	180L	2H18L633CT000	2,92,060
18.50	25.00	200L	2H20L633CT000	3,80,710
22.00	30.00	200L	2H20L653CT000	4,16,600
30.00	40.00	225M	2H22M643CT000	5,74,960
37.00	50.00	250M	2H25M633CT000	7,87,850
45.00	60.00	280S	2H28S613CT000	10,21,530
55.00	75.00	280M	2H28M633CT000	11,73,690
75.00	100.00	315S	2H31S613CT000	13,23,900
90.00	120.00	315M	2H31M633CT000	16,41,920
110.00	150.00	315M	2H31M653CT000	18,46,160
125.00	170.00	315L	2H31L6A3CT000	21,03,420
132.00	180.00	315L	2H31L673CT000	21,56,030
150.00	200.00	315L	2H31L6B3CT000	21,88,450
160.00	215.00	315L	2H31L693CT000	23,47,040
180.00	240.00	355L	2H35L6A300000	27,72,420
200.00	270.00	355L	2H35L61300000	29,69,360
250.00	335.00	355L	2H35L63300000	32,71,780

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.18	0.25	80	2H080813CT000	29,530
0.25	0.33	80	2H080833CT000	32,710
0.37	0.50	90S	2H09S813CT000	41,090
0.55	0.75	90L	2H09L853CT000	44,990
0.75	1.00	100L	2H10L813CT000	55,280
1.10	1.50	100L	2H10L833CT000	62,570
1.50	2.00	112M	2H11M813CT000	74,670
2.20	3.00	132S	2H13S8B3CT000	98,690
3.70	5.00	160M	2H16M813CT000	1,60,340
5.50	7.50	160M	2H16M833CT000	1,95,220
7.50	10.00	160L	2H16L863CT000	2,37,030
9.30	12.50	180M	2H18M833CT000	3,18,850
11.00	15.00	180L	2H18L873CT000	3,36,250
15.00	20.00	200L	2H20L843CT000	4,45,040
18.50	25.00	225S	2H22S823CT000	5,71,570
22.00	30.00	225M	2H22M833CT000	6,86,890
30.00	40.00	250M	2H25M813CT000	9,27,490
37.00	50.00	280S	2H28S823CT000	12,42,980
45.00	60.00	280M	2H28M853CT000	13,33,900
55.00	75.00	315S	2H31S813CT000	14,26,740
75.00	100.00	315M	2H31M833CT000	17,71,570
90.00	120.00	315M	2H31M853CT000	23,98,970
110.00	150.00	315L	2H31L873CT000	26,55,060
125.00	170.00	315L	2H31L8A3CT000	27,90,280
132.00	180.00	315L	2H31L893CT000	29,42,340

1000 rpm 6 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.18	0.25	71	2H0716A3AT000	22,730
0.25	0.33	71	2H071633AT000	23,640
0.37	0.50	80	2H080613AT000	29,990
0.55	0.75	80	2H080633AT000	30,670
0.75	1.00	90S	2H09S633AT000	34,520
1.10	1.50	90L	2H09L653AT000	38,330
1.50	2.00	100L	2H10L633AT000	54,710
2.20	3.00	112M	2H11M653AT000	60,960
3.70	5.00	132S	2H13S6G3AT000	90,960
5.50	7.50	132M	2H13M6T3AT000	1,12,170

750 rpm 8 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	71	2H071833AT000	26,890
0.18	0.25	80	2H080813AT000	28,670
0.25	0.33	80	2H080833AT000	31,750
0.37	0.50	90S	2H09S813AT000	39,890
0.55	0.75	90L	2H09L853AT000	43,270
0.75	1.00	100L	2H10L813AT000	53,670
1.10	1.50	100L	2H10L833AT000	62,440
1.50	2.00	112M	2H11M813AT000	72,500
2.20	3.00	132S	2H13S8B3AT000	95,800

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

IE2 Series Safe Area VFD Compatible Motors for Variable Torque Application

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motors suitable for 415V, 50Hz, suitable for speed range 10% to 100%
Insulation Class F , Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C,
Conforms to IS/IEC 60034 & IS: 12615.

3000 rpm 2 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.37	0.50	71	2H0712A3AT0V0	22,430
0.55	0.75	71	2H071233AT0V0	28,790
0.75	1.00	80	2H080213AT0V0	29,720
1.10	2.00	80	2H080233AT0V0	32,430
1.50	2.00	90S	2H09S243AT0V0	37,130
2.20	3.00	90L	2H09L273AT0V0	47,620
3.70	5.00	100L	2H10L233AT0V0	59,160
5.50	7.50	132S	2H13S2G3AT0V0	1,00,590
7.50	10.00	132S	2H13S2N3AT0V0	1,09,570

1500 rpm 4 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.55	0.75	80	2H080433AT0V0	29,800
0.75	1.00	80	2H080453AT0V0	30,220
1.10	1.50	90S	2H09S423AT0V0	37,240
1.50	2.00	90L	2H09L473AT0V0	45,290
2.20	3.00	100L	2H10L473AT0V0	55,510
3.70	5.00	112M	2H11M473AT0V0	68,110
5.50	7.50	132S	2H13S4K3AT0V0	96,130
7.50	10.00	132M	2H13M4T3AT0V0	1,12,140

1000 rpm 6 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.37	0.50	80	2H080613AT0V0	32,390
0.55	0.75	80	2H080633AT0V0	33,120
0.75	1.00	90S	2H09S633AT0V0	37,290
1.10	1.50	90L	2H09L653AT0V0	41,390
1.50	2.00	100L	2H10L633AT0V0	59,080
2.20	3.00	112M	2H11M653AT0V0	65,840
3.70	5.00	132S	2H13S6G3AT0V0	98,240
5.50	7.50	132M	2H13M6T3AT0V0	1,21,150

3000 rpm 2 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
9.30	12.50	160M	2H16M233CT0V0	1,88,540
11.00	15.00	160M	2H16M253CT0V0	2,01,180
15.00	20.00	160M	2H16M263CT0V0	2,17,000
22.00	30.00	180M	2H18M233CT0V0	3,21,660
30.00	40.00	200L	2H20L2A3CT0V0	4,43,300

1500 rpm 4 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
9.30	12.50	160M	2H16M4C3CT0V0	1,86,970
11.00	15.00	160M	2H16M4K3CT0V0	1,90,190
15.00	20.00	160L	2H16L4T3CT0V0	2,43,100
22.00	30.00	180L	2H18L483CT0V0	3,45,410
30.00	40.00	200L	2H20L453CT0V0	4,55,970

1000 rpm 6 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
7.50	10.00	160M	2H16M633CT0V0	1,89,320
11.00	15.00	160L	2H16L673CT0V0	2,32,870
15.00	20.00	180L	2H18L633CT0V0	3,15,420
22.00	30.00	200L	2H20L653CT0V0	4,49,910
30.00	40.00	225M	2H22M643CT0V0	6,20,960

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

IE3 Series Safe Area Motors

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V ±10%, 50Hz ±5%, Combined Variation ±10%, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

3000 rpm 2 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.75	1.00	80	3H0802B3CT000	32,000
1.10	1.50	80	3H0802E3CT000	34,870
1.50	2.00	90S	3H09S2B3CT000	41,630
2.20	3.00	90L	3H09L2E3CT000	51,300
3.70	5.00	100L	3H10L2B3CT000	70,070
5.50	7.50	132S	3H13S2C3CT000	1,13,250
7.50	10.00	132S	3H13S2H3CT000	1,17,040
9.30	12.50	160M	3H16M2B3CT000	1,81,270
11.00	15.00	160M	3H16M2E3CT000	1,96,190
15.00	20.00	160M	3H16M2H3CT000	2,20,210
18.50	25.00	160L	3H16L2M3CT000	2,77,760
22.00	30.00	180M	3H18M2B3CT000	3,15,880
30.00	40.00	200L	3H20L2B3CT000	4,73,950
37.00	50.00	200L	3H20L2E3CT000	5,56,480
45.00	60.00	225M	3H22M2B3CT000	7,09,730
55.00	75.00	250M	3H25M2E3CT000	9,09,740
75.00	100.00	280S	3H28S2E3CT000	12,32,410
90.00	120.00	280M	3H28M2H3CT000	14,22,230
110.00	150.00	315S	3H31S2E3CT000	17,68,450
132.00	180.00	315L	3H31L2H3CT000	21,95,710
150.00	200.00	315L	3H31L2A3CT000	23,59,420
160.00	215.00	315L	3H31L2M3CT000	24,17,260
180.00	240.00	355L	3H35L2A3CT000	27,30,380
200.00	270.00	355L	3H35L2B3CT000	27,75,470
225.00	300.00	355L	3H35L2C3CT000	31,38,320
250.00	335.00	355L	3H35L2E3CT000	32,53,320
280.00	375.00	355L	3H35L2G3CT000	35,06,760

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.55	0.75	80	3H0804B3CT000	32,550
0.75	1.00	80	3H0804E3CT000	34,070
1.10	1.50	90S	3H09S4B3CT000	41,520
1.50	2.00	90L	3H09L4E3CT000	47,000
2.20	3.00	100L	3H10L4B3CT000	59,980
3.70	5.00	112M	3H11M4B3CT000	74,280
5.50	7.50	132S	3H13S4C3CT000	1,05,680
7.50	10.00	132M	3H13M4H3CT000	1,27,320
9.30	12.50	160M	3H16M4E3CT000	1,95,060
11.00	15.00	160M	3H16M4H3CT000	2,01,710
15.00	20.00	160L	3H16L4M3CT000	2,45,890
18.50	25.00	180M	3H18M4B3CT000	3,03,290
22.00	30.00	180L	3H18L4E3CT000	3,31,860
30.00	40.00	200L	3H20L4B3CT000	4,54,530
37.00	50.00	225S	3H22S4B3CT000	5,41,750
45.00	60.00	225M	3H22M4E3CT000	6,62,160
55.00	75.00	250M	3H25M4B3CT000	8,29,980
75.00	100.00	280S	3H28S4B3CT000X	10,93,610
90.00	120.00	280M	3H28M4H3CT000X	12,74,970
110.00	150.00	315S	3H31S4G3CT000	15,58,000
132.00	180.00	315M	3H31M4K3CT000	17,35,460
160.00	215.00	315L	3H31L4P3CT000	22,45,980
180.00	240.00	315L	3H31L4T3CT000	25,50,620
200.00	270.00	315L	3H31L4W3CT000	27,06,100
225.00	300.00	355L	3H35L4B3CT000	31,94,170
250.00	335.00	355L	3H35L4E3CT000	34,06,430
315.00	422.00	355L	3H35L4H3CT000	38,74,130

3000 rpm 2 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	56	3H056235AT000	19,110
0.18	0.24	63	3H063213AT000	21,030
0.25	0.33	63	3H063233AT000	22,140
0.37	0.5	71	3H071233AT000	23,920
0.55	0.75	71	3H071253AT000	30,140
0.75	1.00	80	3H0802B3AT000	31,130
1.10	1.50	80	3H0802E3AT000	34,870
1.50	2.00	90S	3H09S2B3AT000	40,560
2.20	3.00	90L	3H09L2E3AT000	51,300
3.70	5.00	100L	3H10L2B3AT000	65,210
5.50	7.50	132S	3H13S2C3AT000	1,13,250
7.50	10.00	132S	3H13S2H3AT000	1,17,040

1500 rpm 4 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	63	3H063433AT000	21,270
0.18	0.25	63	3H063453AT000	21,480
0.25	0.33	71	3H071453AT000	22,000
0.37	0.5	71	3H071463AT000	24,580
0.55	0.75	80	3H0804B3AT000	31,950
0.75	1.00	80	3H0804E3AT000	32,780
1.10	1.50	90S	3H09S4B3AT000	39,570
1.50	2.00	90L	3H09L4E3AT000	47,000
2.20	3.00	100L	3H10L4B3AT000	57,360
3.70	5.00	112M	3H11M4B3AT000	72,950
5.50	7.50	132S	3H13S4C3AT000	1,01,690
7.50	10.00	132M	3H13M4H3AT000	1,21,640

Frame 56 is available only in Aluminium body with flange mounting arrangement.
Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

IE3 Series Safe Area Motors

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V ±10%, 50Hz ±5%, Combined Variation ±10%, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.37	0.50	80	3H0806B3CT000	35,750
0.55	0.75	80	3H0806E3CT000	37,460
0.75	1.00	90S	3H09S6B3CT000	43,790
1.10	1.50	90L	3H09L6E3CT000	48,340
1.50	2.00	100L	3H10L6B3CT000	72,190
2.20	3.00	112M	3H11M6B3CT000	77,580
3.70	5.00	132S	3H13S6C3CT000	1,13,350
5.50	7.50	132M	3H13M6H3CT000	1,40,600
7.50	10.00	160M	3H16M6B3CT000	1,98,660
9.30	12.50	160L	3H16L6E3CT000	2,16,460
11.00	15.00	160L	3H16L6H3CT000	2,44,460
15.00	20.00	180L	3H18L6B3CT000	3,42,260
18.50	25.00	200L	3H20L6B3CT000	4,27,850
22.00	30.00	200L	3H20L6E3CT000	4,70,270
30.00	40.00	225M	3H22M6B3CT000	6,57,470
37.00	50.00	250M	3H25M6B3CT000	8,44,160
45.00	60.00	280S	3H28S6B3CT000	11,05,180
55.00	75.00	280M	3H28M6E3CT000	12,68,870
75.00	100.00	315S	3H31S6B3CT000	14,24,430
90.00	120.00	315M	3H31M6E3CT000	17,81,380
110.00	150.00	315M	3H31M6H3CT000	19,66,590
132.00	180.00	315L	3H31L6M3CT000	23,69,850
160.00	215.00	355L	3H35L6B3CT000	26,99,870
180.00	240.00	355L	3H35L6C3CT000	33,26,310
200.00	270.00	355L	3H35L6E3CT000	35,46,250
250.00	335.00	355L	3H35L643CT000	38,15,920

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
0.18	0.25	80	3H080813CT000	38,540
0.25	0.33	80	3H080833CT000	42,070
0.37	0.5	90S	3H09S853CT000	44,810
0.55	0.75	90L	3H09L863CT000	49,100
0.75	1	100L	3H10L833CT000	60,380
1.10	1.5	100L	3H10L853CT000	73,360
1.50	2	112M	3H11M833CT000	84,900
2.20	3	132S	3H13S8B3CT000	1,12,420
3.70	5	160M	3H16M823CT000	1,74,840
5.50	7.5	160M	3H16M843CT000	2,59,400
7.50	10	160L	3H16L883CT000	2,76,950
9.30	12.5	180M	3H18M873CT000	3,59,710
11.00	15	180L	3H18L893CT000	3,79,370
15.00	20	200L	3H20L853CT000	5,17,160
18.50	25	225S	3H22S823CT000	6,63,380
22.00	30	225M	3H22M833CT000	7,97,530
30.00	40	250M	3H25M813CT000	10,76,830
37.00	50	280S	3H28S823CT000	14,64,290
45.00	60	280M	3H28M853CT000	15,73,150
55.00	75	315S	3H31S813CT000	16,56,200
75.00	100	315M	3H31M833CT000	20,56,440
90.00	120	315M	3H31M853CT000	27,84,560
110.00	150	315L	3H31L873CT000	29,47,920
125.00	170	315L	3H31L8A3CT000	32,38,790
132.00	180	315L	3H31L893CT000	34,15,340

1000 rpm 6 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.18	0.25	71	3H071633AT000	31,940
0.25	0.33	71	3H071653AT000	32,300
0.37	0.50	80	3H0806B3AT000	34,360
0.55	0.75	80	3H0806E3AT000	35,350
0.75	1.00	90S	3H09S6B3AT000	40,400
1.10	1.50	90L	3H09L6E3AT000	45,030
1.50	2.00	100L	3H10L6B3AT000	67,140
2.20	3.00	112M	3H11M6B3AT000	72,930
3.70	5.00	132S	3H13S6C3AT000	1,07,810
5.50	7.50	132M	3H13M6H3AT000	1,29,350

750 rpm 8 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP46
0.12	0.16	71	3H071833AT000	28,370
0.18	0.25	80	3H080813AT000	38,540
0.25	0.33	80	3H080833AT000	42,070
0.37	0.5	90S	3H09S853AT000	44,810
0.55	0.75	90L	3H09L863AT000	49,100
0.75	1	100L	3H10L833AT000	60,380
1.10	1.5	100L	3H10L853AT000	73,360
1.50	2	112M	3H11M833AT000	84,900
2.20	3	132S	3H13S8B3AT000	1,12,420

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

IE4 Induction Series Safe Area Motors

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

3000 rpm 2 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
30.00	40.00	200L	4G20L2A3CT000	6,80,880
37.00	50.00	200L	4G20L2B3CT000	8,06,600
45.00	60.00	225M	4G22M2A3CT000	10,38,020
55.00	75.00	250M	4G25M2A3CT000	13,97,260
75.00	100.00	280S	4G28S2A3CT000	17,24,920
90.00	120.00	280M	4G28M2B3CT000	19,89,670

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
30.00	40.00	200L	4G20L4A3CT000	7,32,070
37.00	50.00	225S	4G22S4A3CT000	7,82,590
45.00	60.00	225M	4G22M4B3CT000	9,48,620
55.00	75.00	250M	4G25M4A3CT000	13,03,580
75.00	100.00	280S	4G28S4A3CT000	15,68,120
90.00	120.00	280M	4G28M4B3CT000	18,26,560

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
18.50	25.00	200L	4G20L6A3CT000	6,25,700
22.00	30.00	200L	4G20L6B3CT000	6,88,150
30.00	40.00	225M	4G22M6A3CT000	9,71,950
37.00	50.00	250M	4G25M6A3CT000	13,07,040
45.00	60.00	280S	4G28S6A3CT000	16,09,410
55.00	75.00	280M	4G28M6B3CT000	18,48,180

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
15.00	20	200L	4G20L8X3CT000	Refer to Sales Office
18.50	25	225S	4G22S8X3CT000	
22.00	30	225M	4G22M8X3CT000	
30.00	40	250M	4G25M8X3CT000	
37.00	50	280S	4G28S8X3CT000	
45.00	60	280M	4G28M8X3CT000	

Motors are with Terminal Box at Top as standard feature
On request motors can be offered with Terminal Box on RHS / LHS.

For other ratings, please refer to nearest sales office

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SynchroVert® IE4 - Super Premium Efficiency - Safe Area

Foot mounted (B3 construction), 3 Phase Line Start Permanent Magnet Synchronous Motor (LS PMSM) **SynchroVert® IE4** Motors suitable for 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

1500 rpm 4 Pole: Safe Area				
kW	HP	Type Ref.	Frame	LP46
1.5	2	4H11M4N300000	112M	85,050
2.2	3	4H11M4S300000	112M	91,720
3.7	5	4H11M4T300000	112M	1,14,350
3.7	5	4H13S4W300000	132S	1,26,180
5.5	7	4H13S4F300000	132S	1,50,370
7.5	10	4H13M4M300000	132M	1,76,300
11	15	4H16M4N300000	160M	2,92,480
15	20	4H16L4B300000	160L	3,68,840
18.5	25	4H18M4R300000	180M	4,39,780
22	29	4H18L4T300000	180L	4,97,800
30	40	4H20L4W300000	200L	6,59,090
37	49	4H22S4P300000	225S	7,85,560
45	60	4H22M4W300000	225M	9,60,130
55	73	4H25M4W300000	250M	10,79,010

1000 rpm 6 Pole: Safe Area				
kW	HP	Type Ref.	Frame	LP46
18.5	25	Refer Sales Office	200L	6,20,400
22	29	Refer Sales Office	200L	6,81,920
30	40	4H20L6W3G	200L	9,53,340
37	49	Refer Sales Office	225M	10,97,410

3000 rpm 2 Pole: Safe Area				
kW	HP	Type Ref.	Frame	LP46
3.7	5	4H13S2W300000	132S	1,41,390
5.5	7.5	4H13S2F300000	132S	1,60,820
7.5	10	4H13M2M300000	132M	1,63,880

Foot mounted (B3 construction) 3 Phase Line Start Permanent Magnet Synchronous Motor (LS PMSM) **SynchroVert® IE4** Motor, 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

1500 rpm 4 Pole: Flameproof (Ex d)				
kW	HP	Type Ref.	Frame	LP46
1.5	2	4J11M4N3G	F112M	1,73,020
2.2	3	4J11M4S3G	F112M	1,77,980
3.7	5	4J13S4W3G	F132S	2,38,520
5.5	7	4J13S4F3G	F132S	2,39,420
7.5	10	4J13M4M3G	F132M	2,69,420
11	15	4J18L4N3G	F180L	6,91,900
15	20	4J18L4W3G	F180L	7,03,150
18.5	25	4J18L4R3G	F180L	7,20,500

SynchroVert® IE5 - Ultra Premium Efficiency

Foot mounted (B3 construction), 3 Phase Line Start Permanent Magnet Synchronous Motor (LS PMSM) **SynchroVert® IE5** Motors suitable for 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Conforms to IS/IEC 60034 & IS: 12615.

1500 rpm 4 Pole: Safe Area				
kW	HP	Type Ref.	Frame	LP46
3.7	5	5H13S4W300000	132S	1,56,220
5.5	7	5H13S4J300000	132S	1,86,180
7.5	10	5H13M4M300000	132M	2,18,270
11	15	5H16M4N300000	160ML	3,62,110
15	20	5H16L4B3G	160L	4,56,660
18.5	25	5H18M4R3G	180M	5,44,480
22	29	5H18L4T300000	180L	6,16,310
30	40	5H20L4W300000	200L	8,16,000
37	49	5H22S4P300000	225S	9,72,580
45	60	5H22M4W300000	225M	11,88,700

FLP Motors : Standard Range

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motor, 415V ±10%, 50Hz ±5%, Combined Variation ±10%, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

3000 rpm, 2 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	MD0802A300000	51,370
0.55	0.75	80	MD0802B300000	56,340
0.75	1.00	80	MD08021300000	58,050
1.1	1.50	80	MD08023300000	67,860
1.5	2.00	90L	MD09L23300000	70,800
2.2	3.00	90L	MD09L25300000	90,660
3.7	5.00	100L	MD10L21300000	1,20,930
5.5	7.50	132S	MD13S2B300000	1,70,880
7.5	10.00	132S	MD13S2E300000	1,88,810
9.3	12.50	132M	MD13M2N300000	3,41,610
11	15.00	160M	MD16M21300000	3,45,350
15	20.00	160M	MD16M25300000	3,79,000
18.5	25.00	160L	MD16L27300000	4,27,230
22	30.00	180L	MD18L21300000	5,13,730
30	40.00	200L	MD20L23300000	6,81,270
37	50.00	200L	MD20L25300000	8,83,930
45	60.00	225M	MD22M23300000	11,21,930
55	75.00	250M	MD25M21300000	14,54,670
75	100.00	280S	MD28S21300000	17,89,660
90	120.00	280M	MD28M23300000	19,08,510

1500 rpm, 4 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	MD0804A300000	50,450
0.55	0.75	80	MD08041300000	54,640
0.75	1.00	80	MD08043300000	56,820
1.1	1.50	90L	MD09L43300000	70,670
1.5	2.00	90L	MD09L45300000	75,130
2.2	3.00	100L	MD10L43300000	95,600
3.7	5.00	112M	MD11M43300000	1,18,630
5.5	7.50	132S	MD13S4B300000	1,63,080
7.5	10.00	132M	MD13M4K300000	1,85,920
9.3	12.50	160M	MD16M4A300000	2,94,900
11	15.00	160M	MD16M4C300000	2,96,980
15	20.00	160L	MD16L4K300000	3,57,770
18.5	25.00	180L	MD18L43300000	4,11,540
22	30.00	180L	MD18L47300000	4,89,240
30	40.00	200L	MD20L43300000	6,47,790
37	50.00	225S	MD22S41300000	8,05,640
45	60.00	225M	MD22M43300000	10,20,520
55	75.00	250M	MD25M41300000	13,24,970
75	100.00	280S	MD28S41300000	16,22,700
90	120.00	280M	MD28M43300000	16,56,110

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	MD08061300000	57,550
0.55	0.75	80	MD08063300000	62,020
0.75	1.00	90L	MD09L63300000	72,010
1.10	1.50	90L	MD09L65300000	75,570
1.50	2.00	100L	MD10L63300000	1,07,230
2.20	3.00	112M	MD11M63300000	1,24,610
3.70	5.00	132S	MD13S6B300000	1,65,100
5.50	7.50	132M	MD13M6N300000	2,00,100
7.50	10.00	160M	MD16M63300000	3,17,730
9.30	12.50	160L	MD16L66300000	3,56,400
11.00	15.00	160L	MD16L67300000	3,71,080
15.00	20.00	180L	MD18L61300000	4,96,150
18.50	25.00	200L	MD20L61300000	6,19,380
22.00	30.00	200L	MD20L63300000	6,71,880
30.00	40.00	225M	MD22M62300000	10,50,270
37.00	50.00	250M	MD25M60300000	13,67,050
45.00	60.00	280S	MD28S61300000	15,87,690
55.00	75.00	280M	MD28M63300000	17,12,500

750 rpm 8 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	90L	MD09L83300000	69,100
0.55	0.75	90L	MD09L85300000	74,800
0.75	1.00	100L	MD10L81300000	90,490
1.10	1.50	100L	MD10L83300000	1,05,060
1.50	2.00	112M	MD11M81300000	1,26,170
2.20	3.00	132S	MD13S8B300000	1,66,940
3.70	5.00	160M	MD16M81300000	2,69,830
5.50	7.50	160M	MD16M83300000	3,16,720
7.50	10.00	160L	MD16L87300000	3,86,180
9.30	12.50	180L	MD18L81300000	4,91,540
11.00	15.00	180L	MD18L83300000	5,36,710
15.00	20.00	200L	MD20L83300000	6,99,910
18.50	25.00	225S	MD22S81300000	8,68,900
22.00	30.00	225M	MD22M83300000	11,43,590
30.00	40.00	250M	MD25M81300000	14,04,500
37.00	50.00	280S	MD28S82300000	18,02,360
45.00	60.00	280M	MD28M85300000	18,40,280

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

FLP Motors : Efficiency Values Complying to IE2 Class

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motor, 415V ±10%, 50Hz ±5%, Combined Variation ±10%,
 Insulation Class F, with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C,
 Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

3000 rpm, 2 Pole				
KW	HP	Frame	Type	LP46
0.37	0.5	80	2J0802A300000	52,910
0.55	0.75	80	2J0802B300000	59,170
0.75	1	80	2J08021300000	60,950
1.1	1.5	80	2J08023300000	71,250
1.5	2	90L	2J09L24300000	72,920
2.2	3	90L	2J09L27300000	95,180
3.7	5	100L	2J10L23300000	1,26,980
5.5	7.5	132S	2J13S2G300000	1,79,410
7.5	10	132S	2J13S2N300000	1,98,250
9.3	12.5	160M	2J16M23300000	3,58,690
11	15	160M	2J16M25300000	3,62,610
15	20	160M	2J16M26300000	3,97,950
18.5	25	160L	2J16L29300000	4,48,590
22	30	180L	2J18L23300000	5,39,420
30	40	200L	2J20L2A300000	7,15,330
37	50	200L	2J20L25300000	9,28,140
45	60	225M	2J22M25300000	11,78,030
55	75	250M	2J25M23300000	15,27,410
75	100	280M	2J28M23300000	18,79,140
90	120	280M	2J28M25300000	20,03,950
110	150	315S	2J31S23300000	22,19,180
125	170	315M	2J31M2A300000	25,94,830
132	180	315M	2J31M23300000	26,33,750
150	200	315L	2J31L2A300000	28,59,760
160	215	315L	2J31L25300000	29,86,000
180	240	315L	2J31L2B300000	35,80,010
200	270	355L	2J35L2K3G	Refer Sales Office
225	300	355L	2J35L2M3G	
250	335	355L	2J35L223G	
280	375	355L	2J35L233G	

1500 rpm, 4 Pole				
KW	HP	Frame	Type	LP46
0.37	0.5	80	2J08041300000	51,980
0.55	0.75	80	2J08043300000	57,370
0.75	1	80	2J08045300000	59,660
1.1	1.5	90L	2J09L42300000	72,800
1.5	2	90L	2J09L47300000	77,390
2.2	3	100L	2J10L47300000	98,460
3.7	5	112M	2J11M47300000	1,24,560
5.5	7.5	132S	2J13S4K300000	1,71,230
7.5	10	132M	2J13M4T300000	1,95,220
9.3	12.5	160M	2J16M4C300000	3,09,650
11	15	160M	2J16M4K300000	3,11,840
15	20	160L	2J16L4T300000	3,75,660
18.5	25	180L	2J18L47300000	4,32,120
22	30	180L	2J18L48300000	5,13,700
30	40	200L	2J20L45300000	6,80,180
37	50	225S	2J22S43300000	8,45,920
45	60	225M	2J22M45300000	10,71,550
55	75	250M	2J25M43300000	13,91,230
75	100	280S	2J28S42300000	17,03,850
90	120	280M	2J28M45300000	17,38,920
110	150	315S	2J31S41300000	20,44,840
125	170	315M	2J31M4A300000	22,75,860
132	180	315M	2J31M43300000	24,78,580
150	200	315L	2J31L4A300000	25,90,170
160	215	315L	2J31L45300000	26,26,770
180	240	315L	2J31L46300000	31,15,400
200	270	315L	2J31L47300000	35,48,210
225	300	355L	2J35L4B3G	Refer Sales Office
250	335	355L	2J35L413G	
280	375	355L	2J35L433G	

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FLP Motors : Efficiency Values Complying to IE2 Class

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motor, 415V ±10%, 50Hz ±5%, Combined Variation ±10%, Insulation Class F, with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	2J08061300000	60,420
0.55	0.75	80	2J08063300000	65,130
0.75	1.00	90L	2J09L633000000	75,600
1.10	1.50	90L	2J09L653000000	77,840
1.50	2.00	100L	2J10L633000000	1,12,580
2.20	3.00	112M	2J11M653000000	1,30,850
3.70	5.00	132S	2J13S6G3000000	1,73,360
5.50	7.50	132M	2J13M6T3000000	2,10,090
7.50	10.00	160M	2J16M633000000	3,33,620
9.30	12.50	160L	2J16L663000000	3,74,220
11.00	15.00	160L	2J16L673000000	3,89,630
15.00	20.00	180L	2J18L633000000	5,20,960
18.50	25.00	200L	2J20L633000000	6,50,360
22.00	30.00	200L	2J20L653000000	7,05,480
30.00	40.00	225M	2J22M643000000	11,02,780
37.00	50.00	250M	2J25M633000000	14,35,400
45.00	60.00	280S	2J28S613000000	16,67,090
55.00	75.00	280M	2J28M633000000	17,98,110
75.00	100.00	315S	2J31S613000000	20,79,540
90.00	120.00	315M	2J31M633000000	24,38,530
110.00	150.00	315M	2J31M653000000	26,73,480
125.00	170.00	315L	2J31L6A3000000	30,40,250
132.00	180.00	315L	2J31L673000000	32,40,680
150.00	200.00	315L	2J31L683000000	33,91,800
160.00	215.00	315L	2J31L693000000	39,06,370
160.00	215.00	355L	2J35L683000000	Refer Sales Office
180.00	240.00	355L	2J35L6A3000000	
200.00	270.00	355L	2J35L613000000	
250.00	335.00	355L	2J35L633000000	

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	90L	2J09L833000000	72,560
0.55	0.75	90L	2J09L853000000	78,540
0.75	1.00	100L	2J10L813000000	95,010
1.10	1.50	100L	2J10L833000000	1,10,310
1.50	2.00	112M	2J11M813000000	1,32,480
2.20	3.00	132S	2J13S8B3000000	1,75,290
3.70	5.00	160M	2J16M813000000	2,83,320
5.50	7.50	160M	2J16M833000000	3,32,570
7.50	10.00	160L	2J16L863000000	4,05,490
9.30	12.50	180L	2J18L833000000	5,16,120
15.00	20.00	200L	2J20L843000000	7,34,910
18.50	25.00	225S	2J22S823000000	9,12,330
22.00	30.00	225M	2J22M833000000	12,00,760
30.00	40.00	250M	2J25M813000000	14,74,730
37.00	50.00	280S	2J28S823000000	18,92,470
45.00	60.00	280M	2J28M853000000	19,32,290
55.00	75.00	315S	2J31S813000000	23,47,220
75.00	100.00	315M	2J31M833000000	27,49,110
90.00	120.00	315M	2J31M853000000	30,09,120
110.00	150.00	315L	2J31L873000000	35,19,170
125.00	170.00	315L	2J31L8A3000000	39,67,650
132.00	180.00	315L	2J31L893000000	39,74,450
132.00	180.00	355L	2J35L803000000	Refer Sales Office
160.00	215.00	355L	2J35L813000000	
180.00	240.00	355L	2J35L8A3000000	

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FLP Motors : Efficiency Values Complying to IE3 Class

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motor, 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F, with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

3000 RPM, 2 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	3J0802A300000	56,540
0.55	0.75	80	3J08021300000	62,720
0.75	1.00	80	3J0802B300000	64,320
1.10	1.50	80	3J0802E300000	75,210
1.50	2.00	90L	3J09L2B300000	77,880
2.20	3.00	90L	3J09L2E300000	1,00,830
3.70	5.00	100L	3J10L2B300000	1,32,840
5.50	7.50	132S	3J13S2C300000	1,89,900
7.50	10.00	132S	3J13S2H300000	2,10,040
9.30	12.50	160M	3J16M2B300000	3,72,040
11.00	15.00	160M	3J16M2E300000	3,73,220
15.00	20.00	160M	3J16M2H300000	4,17,710
18.50	25.00	160L	3J16L2M300000	4,74,640
22.00	30.00	180M	3J18M2B300000	5,58,650
30.00	40.00	200L	3J20L2B300000	7,90,450
37.00	50.00	200L	3J20L2E300000	9,78,570
45.00	60.00	225M	3J22M2B300000	12,42,090
55.00	75.00	250M	3J25M2E300000	15,83,800
75.00	100.00	280S	3J28S2E300000	19,62,820
90.00	120.00	280M	3J28M2H300000	21,01,770
110.00	150.00	315S	3J31S2E300000	23,51,450
132.00	180.00	315L	3J31L2H300000	29,26,920
160.00	215.00	315L	3J31L2M300000	33,10,210
110.00	150.00	315S	3J31S2E300000	23,51,450
132.00	180.00	315L	3J31L2H300000	29,26,920
160.00	215.00	315L	3J31L2M300000	33,10,210
180.00	240.00	315L	3J31L2K300000	40,38,460
200.00	270.00	355L	3J35L2B3G	Refer Sales Office
225.00	300.00	355L	3J35L2C3G	
250.00	335.00	355L	3J35L2E3G	
280.00	375.00	355L	3J35L2G3G	

1500 RPM, 4 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	3J08043300000	55,690
0.55	0.75	80	3J0804B300000	61,130
0.75	1.00	80	3J0804E300000	63,570
1.10	1.50	90L	3J09L4B300000	77,150
1.50	2.00	90L	3J09L4E300000	82,780
2.20	3.00	100L	3J10L4B300000	1,05,120
3.70	5.00	112M	3J11M4B300000	1,33,210
5.50	7.50	132S	3J13S4C300000	1,81,460
7.50	10.00	132M	3J13M4H300000	2,06,780
9.30	12.50	160M	3J16M4E300000	3,21,790
11.00	15.00	160M	3J16M4H300000	3,27,300
15.00	20.00	160L	3J16L4M300000	3,97,120
18.50	25.00	180M	3J18M4B300000	4,51,930
22.00	30.00	180L	3J18L4E300000	5,37,150
30.00	40.00	200L	3J20L4B300000	7,17,550
37.00	50.00	225S	3J22S4B300000	9,35,300
45.00	60.00	225M	3J22M4E300000	11,81,050
55.00	75.00	250M	3J25M4B300000	14,53,640
75.00	100.00	280S	3J28S4B300000	17,66,310
90.00	120.00	280M	3J28M4H300000	18,14,100
110.00	150.00	315S	3J31S4G300000	22,40,560
132.00	180.00	315L	3J31L4K300000	27,63,550
160.00	215.00	315L	3J31L4P300000	27,77,290
180.00	240.00	315L	3J31L4T300000	32,94,720
200.00	270.00	315L	3J31L4W300000	39,28,190
200.00	270.00	355L	3J35L4A3G	Refer Sales Office
225.00	300.00	355L	3J35L4B3G	
250.00	335.00	355L	3J35L4E3G	
280.00	375.00	355L	3J35L4C3G	

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FLP Motors : Efficiency Values Complying to IE3 Class

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motor, 415V ±10%, 50Hz ±5%, Combined Variation ±10%, Insulation Class F with temperature rise limited to Class B, Degree of Protection IP55, Duty S1, Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034-1, IS/IEC 60079-1, Gas Group IIA, IIB.

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	3J0806B300000	63,680
0.55	0.75	80	3J0806E300000	66,740
0.75	1.00	90L	3J09L6B300000	79,280
1.10	1.50	90L	3J09L6E300000	83,070
1.50	2.00	100L	3J10L6B300000	1,19,130
2.20	3.00	112M	3J11M6B300000	1,37,410
3.70	5.00	132S	3J13S6C300000	1,83,450
5.50	7.50	132M	3J13M6H300000	2,22,470
7.50	10.00	160M	3J16M6B300000	3,45,900
9.30	12.50	160L	3J16L6E300000	3,94,030
11.00	15.00	160L	3J16L6H300000	4,12,110
15.00	20.00	180L	3J18L6B300000	5,42,660
18.50	25.00	200L	3J20L6B300000	6,77,170
22.00	30.00	200L	3J20L6E300000	7,34,700
30.00	40.00	225M	3J22M6B300000	11,61,870
37.00	50.00	250M	3J25M6B300000	14,99,200
45.00	60.00	280S	3J28S6B300000	17,41,020
55.00	75.00	280M	3J28M6E300000	18,76,280
75.00	100.00	315S	3J31S6B300000	22,06,390
90.00	120.00	315M	3J31M6E300000	25,63,610
110.00	150.00	315M	3J31M6H300000	28,49,470
132.00	180.00	315L	3J31L6M300000	34,25,090
160.00	215.00	315L	3J31L6P300000	43,51,570
180.00	240.00	355L	3J35L6C3G	Refer Sales Office
200.00	270.00	355L	3J35L6E3G	
250.00	335.00	355L	3J35L643G	

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP46
0.18	0.25	80	3J08081300000	65,520
0.25	0.33	80	3J08083300000	70,770
0.37	0.50	90L	3J09L85300000	91,310
0.55	0.75	90L	3J09L86300000	93,750
0.75	1.00	100L	3J10L83300000	1,16,500
1.10	1.50	100L	3J10L85300000	1,20,750
1.50	2.00	112M	3J11M83300000	1,43,640
2.20	3.00	132S	3J13S8B300000	1,90,730
3.70	5.00	160M	3J16M82300000	3,05,980
5.50	7.50	160M	3J16M84300000	3,73,670
7.50	10.00	160L	3J16L88300000	4,30,300
9.30	12.50	180M	3J18M87300000	5,64,970
11.00	15.00	180L	3J18L89300000	5,95,120
15.00	20.00	200L	3J20L85300000	7,87,580
18.50	25.00	225S	3J22S82300000	9,83,100
22.00	30.00	225M	3J22M83300000	13,36,660
30.00	40.00	250M	3J25M81300000	15,89,530
45.00	60.00	280M	3J28M85300000	21,60,660
55.00	75.00	315S	3J31S81300000	26,52,370
75.00	100.00	315M	3J31M83300000	29,14,050
90.00	120.00	315M	3J31M85300000	34,00,310
110.00	150.00	315L	3J31L87300000	39,76,670
125.00	170.00	315L	3J31L8A300000	44,83,430
132.00	180.00	315L	3J31L89300000	44,91,110
160	215	355L	3J35L8B3G	Refer Sales Office
180	240	355L	3J35L8C3G	

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Fire Fighting Series

Foot mounted (B3 construction), 3 Phase Squirrel Cage Induction Motors suitable for 415V $\pm 10\%$, 50Hz $\pm 5\%$, Combined Variation $\pm 10\%$, Insulation Class F with temperature rise limited to Class F, Degree of Protection IP55, Method of Cooling : Totally Enclosed Fan Cooled, Duty: S1, Ambient Temperature 50° C, Paint Shade RAL 3001 (RED)

3000 rpm 2 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP46
5.50	7.50	112M	2L11M233CT000	86,550
7.50	10.00	132S	2L13S2G3CT000	1,06,200
9.30	12.50	132S	2L13S2H3CT000	1,52,840
11.00	15.00	132S	2L13S2A3CT000	1,71,720
15.00	20.00	160M	2L16M253CT000	1,99,060
18.50	25.00	160M	2L16M263CT000	2,40,430
22.00	30.00	160L	2L16L293CT000	2,70,820
30.00	40.00	180M	2L18M2B3CT000	3,58,750
37.00	50.00	200L	2L20L2A3CT000	4,86,350
45.00	60.00	200L	2L20L2E3CT000	5,77,030
55.00	75.00	225M	2L22M253CT000	7,27,500
75.00	100.00	250M	2L25M233CT000	8,90,590
90.00	120.00	280S	2L28S233CT000	11,64,850
110.00	150.00	280M	2L28M253CT000	15,44,810

Note : These motors are for Fire Fighting Pump Application only.

All motors are with TB at Top as standard feature; on request TB at LHS / RHS can be offered.

Smoke Extraction Motors:

kW Range : 0.12kW to 37kW
 Frames : 71 to 200L
 Poles : 2, 4, 6, 8 & Dual Speed
 Suitable for : 300Deg Cel for 120min

On Request (Refer your enquiries to nearest sales office)

CRANE & HOIST DUTY MOTORS

Voltage: 415V +/-10%
Hz: 50Hz +/-5%
Combined Vari: +/-10%
Duty: S3/S4
CDF: 40%
Start Stops: 150 per hour

St Method: DOL
Ins Class: F
Temp Rise: B
Ambient: 45deg Cel
Protection: IP55
Mounting: B3

1500 rpm, 4 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
11.00	15.00	160M	MC16M4A300000	1,50,920
15.00	20.00	160M	MC16M4F300000	1,64,580
18.50	25.00	160L	MC16L4P300000	1,81,160
22.00	30.00	180L	MC18L47300000	2,53,710
30.00	40.00	200L	MC20L43300000	3,44,600
37.00	50.00	225S	MC22S41300000	4,24,800
45.00	60.00	225M	MC22M43300000	5,72,550
55.00	75.00	250M	MC25M41300000	7,84,520
75.00	100.00	280S	MC28S41300000	9,66,990
90.00	120.00	280M	MC28M43300000	10,78,790
110.00	150.00	315S	MC31S41300000	14,53,520
132.00	160.00	315M	MC31M43300000	16,09,610
160.00	215.00	315L	MC31L45300000	19,27,350
180.00	250.00	315L	MC31L46300000	20,32,540
200.00	270.00	315L	MC31L47300000	20,69,740

1000 rpm 6 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
9.30	12.50	160M	MC16M63300000	1,51,250
11.00	15.00	160L	MC16L66300000	1,87,390
13.00	17.50	160L	MC16L67300000	2,12,490
17.00	23.00	180L	MC18L63300000	3,07,410
22.00	30.00	200L	MC20L63300000	3,57,320
30.00	40.00	225M	MC22M62300000	5,02,040
37.00	50.00	250M	MC25M60300000	7,25,090
45.00	60.00	280S	MC28S61300000	9,23,860
52.00	70.00	280M	MC28M63300000	10,48,070
70.00	95.00	315S	MC31S61300000	13,12,420
85.00	115.00	315M	MC31M63300000	16,19,710
102.00	135.00	315M	MC31M65300000	18,04,250
125.00	167.00	315L	MC31L67300000	20,96,140
150.00	200.00	315L	MC31L69300000	22,24,320

1500 rpm, 4 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.55	0.75	71	MC07143300000	25,190
0.75	1.00	80	MC08041300000	27,990
1.10	1.50	80	MC08043300000	29,360
1.50	2.00	90S	MC09S43300000	30,900
2.20	3.00	90L	MC09L45300000	33,820
3.70	5.00	100L	MC10L45300000	45,190
5.50	7.50	112M	MC11M45300000	56,920
7.50	10.00	132S	MC13S4G300000	81,360
9.30	12.50	132M	MC13M4P300000	97,030

1000 rpm 6 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.37	0.50	71	MC07163300000	25,250
0.55	0.75	80	MC08061300000	29,830
0.75	1.00	80	MC08063300000	30,940
1.10	1.50	90L	MC09L6A300000	32,120
1.50	2.00	90L	MC09L65300000	36,630
2.20	3.00	100L	MC10L65300000	48,110
3.70	5.00	112M	MC11M65300000	57,350
5.50	7.50	132S	MC13S6G300000	83,250
7.50	10.00	132M	MC13M6T300000	96,520

750 rpm 8 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP46
5.50	7.50	160M	MC16M83300000	1,58,740
7.50	10.00	160L	MC16L87300000	2,03,610
9.30	12.50	180M	MC18M81300000	2,43,540
11.00	15.00	180L	MC18L83300000	2,86,680
15.00	20.00	200L	MC20L83300000	3,85,520
18.50	25.00	225S	MC22S81300000	4,89,890
22.00	30.00	225M	MC22M83300000	5,91,300
30.00	40.00	250M	MC25M81300000	7,95,130
37.00	50.00	280S	MC28S82300000	10,16,250
45.00	60.00	280M	MC28M85300000	11,25,420
55.00	75.00	315S	MC31S81300000	14,62,640
75.00	100.00	315M	MC31M83300000	16,94,920
90.00	120.00	315M	MC31M85300000	19,04,280
110.00	150.00	315L	MC31L87300000	21,06,540
132.00	180.00	315L	MC31L89300000	24,67,100

750 rpm 8 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP46
0.55	0.75	90S	MC09S81300000	32,710
0.75	1.00	90L	MC09L85300000	36,900
1.10	1.50	100L	MC10L81300000	44,430
1.50	2.00	100L	MC10L83300000	45,720
2.20	3.00	112M	MC11M83300000	65,640
3.70	5.00	132S	MC13S8G300000	1,03,350

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

CRANE & HOIST DUTY MOTORS : IE2

Voltage:	415V +/-10%	St Method:	DOL
Hz:	50Hz +/-5%	Ins Class:	F
Combined Vari:	+/-10%	Temp Rise	B
Duty:	S3/S4	Ambient:	50deg Cel
CDF:	40%	Protection:	IP55
Start Stops:	150 per hour	Mounting:	B3

1500 rpm, 4 Pole					
KW	HP	Frame	MOC	Type	LP46
0.55	0.74	71	AL	2C071433AT000	23,470
0.72	0.97	80	CI	2C080433CT000	31,260
1.00	1.34	80	CI	2C080453CT000	31,720
1.40	1.88	90S	CI	2C09S423CT000	40,950
2.00	2.68	90L	CI	2C09L4E3CT000	47,520
2.90	3.89	100L	CI	2C10L473CT000	58,230
4.00	5.36	100L	CI	2C10L4B3CT000	61,140
4.40	5.90	112M	CI	2C11M473CT000	74,940
4.70	6.30	112M	CI	2C11M4A3CT000	78,690
6.90	9.25	132S	CI	2C13S4K3CT000	1,04,670
9.50	12.73	132M	CI	2C13M4T3CT000	1,20,950
11.90	15.95	132M	CI	2C13M4H3CT000	1,68,720
13.20	17.69	160M	CI	2C16M4C3CT000	1,90,440
14.60	19.57	160M	CI	2C16M4K3CT000	1,93,700
20.00	26.81	160L	CI	2C16L4T3CT000	2,47,590
23.00	30.83	180M	CI	2C18M473CT000	3,21,250
28.00	37.53	180L	CI	2C18L4B3CT000	3,51,810
37.00	49.60	200L	CI	2C20L4S3CT000	4,64,430

1000 rpm 6 Pole					
KW	HP	Frame	MOC	Type	LP46
0.37	0.50	71	AL	2C071633AT000	26,000
0.50	0.67	80	CI	2C080613CT000	34,630
0.75	1.01	80	CI	2C080633CT000	35,440
1.00	1.34	90L	CI	2C09L6A3CT000	42,950
1.50	2.01	90L	CI	2C09L6S3CT000	45,090
2.20	2.95	100L	CI	2C10L6B3CT000	61,960
2.90	3.89	112M	CI	2C11M6S3CT000	70,330
3.90	5.23	112M	CI	2C11M6B3CT000	73,850
5.50	7.37	132S	CI	2C13S6G3CT000	1,09,040
7.40	9.92	132M	CI	2C13M6T3CT000	1,32,030
9.80	13.14	160M	CI	2C16M633CT000	1,92,810
12.20	16.35	160L	CI	2C16L663CT000	2,23,880
14.50	19.44	160L	CI	2C16L673CT000	2,37,180
20.00	26.81	180L	CI	2C18L633CT000	3,21,270
23.00	30.83	200L	CI	2C20L633CT000	4,18,780
28.00	37.53	200L	CI	2C20L6S3CT000	4,58,250

Refer our technical catalogues for standard & optional Terminal Box Positions & other details.

* Prices are exclusive of GST, other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

Crane Duty Slip Ring Motors

B3 construction, 3 Phase Slipring Induction Motor, 415V±10%, 50Hz ±5% Combined Variation ±10%,
Insulation for Stator/Rotor: class F/F, Degree of Protection IP55, Ambient Temperature 45° C,
Method of Cooling : Totally Enclosed Fan Cooled, S4 Duty, 40% CDF, 60 Starts / Stops per hour

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP46
1.10	1.50	100L	MP10L61300000	1,30,990
1.50	2.00	100L	MP10L62300000	1,38,380
2.40	3.20	112M	MP11M62300000	1,51,130
3.30	4.40	112M	MP11M64300000	1,55,690
4.00	5.30	132M	MP13M61300000	2,02,250
5.50	7.50	132M	MP13M66300000	2,42,240
7.00	9.40	160L	MP16L61300000	2,74,180
10.00	13.40	160L	MP16L65300000	3,33,270

All Slip Ring motors are with Cast Iron construction & Terminal Box position on Top.

* Prices are exclusive of GST & other taxes & levies. GST, other taxes & levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

Standard Integral Brake Motors

B3 construction, 3 Phase Integral Brake Motor, Suitable for mains supply 415V±10%, 50Hz ±5% Combined Variation ±10%,
Brake Type : Failsafe, Normally ON, Input to brake will be 190VDC, Insulation class F with rise limited to B, Degree of Protection IP55,
Ambient Temperature 45° C, Method of Cooling : Totally Enclosed Fan Cooled, S3/S4 Duty, 40% CDF, 150 Starts / Stops per hour

1500 RPM, 4 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	71	MB07143300000	27,640
0.55	0.75	71	MB07143300001	30,290
0.75	1.00	80	MB08041300001	38,880
1.10	1.50	80	MB08043300001	39,350
1.50	2.00	90S	MB09S43300001	47,820
2.20	3.00	90L	MB09L45300001	51,840
3.70	5.00	100L	MB10L45300001	72,890
5.50	7.50	112M	MB11M45300001	84,140
7.50	10.00	132S	MB13S4G300001	1,13,620
9.30	12.50	132M	MB13M4P300001	1,27,580

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	71	MB07163300001	32,740
0.55	0.75	80	MB08061300001	40,180
0.75	1.00	80	MB08063300001	42,660
1.10	1.50	90L	MB09L6A300001	55,050
1.50	2.00	90L	MB09L65300001	58,190
2.20	3.00	100L	MB10L65300001	74,980
3.70	5.00	112M	MB11M65300001	86,380
5.50	7.50	132S	MB13S6G300001	1,16,510
7.50	10.00	132M	MB13M6T300001	1,29,150

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP46
0.75	1.00	90L	MB09L85300001	49,130
1.10	1.50	100L	MB10L81300001	64,010
1.50	2.00	100L	MB10L83300001	68,690
2.20	3.00	112M	MB11M83300001	86,310
3.70	5.00	132S	MB13S8G300001	1,12,540

Frames 71 & 80 are available in Aluminium body with TB position on TOP
Frames 90 to 132 are available in Cast Iron body with TB position on RHS as standard feature. However TB on LHS or TOP can be offered on request

IE2 Integral Brake Motors

B3 construction, 3 Phase Integral Brake Motor, Suitable for mains supply 415V±10%, 50Hz ±5% Combined Variation ±10%,
Brake Type : Failsafe, Normally ON, Input to brake will be 190VDC, Insulation class F with rise limited to F, Degree of Protection IP55,
Ambient Temperature 50° C, Method of Cooling : Totally Enclosed Fan Cooled, S1 Duty, conforms to IS/IEC 60034

3000 RPM, 2 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	71	2B0712A300000	32,220
0.55	0.75	71	2B07123300000	33,550
0.75	1.00	80	2B08021300000	37,650
1.10	1.50	80	2B08023300000	40,680
1.50	2.00	90S	2B09S24300000	52,220
2.20	3.00	90L	2B09L27300000	57,080
3.70	5.00	100L	2B10L23300000	75,530
5.50	7.50	132S	2B13S2G300000	1,20,050
7.50	10.00	132S	2B13S2N300000	1,34,650

1500 RPM, 4 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	71	2B07143300000	31,550
0.55	0.75	80	2B08043300000	38,030
0.75	1.00	80	2B08045300000	40,650
1.10	1.50	90S	2B09S42300000	49,630
1.50	2.00	90L	2B09L47300000	54,050
2.20	3.00	100L	2B10L47300000	74,130
3.70	5.00	112M	2B11M47300000	87,830
5.50	7.50	132S	2B13S4K300000	1,14,210
7.50	10.00	132M	2B13M4T300000	1,25,440

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	80	2B08061300000	38,590
0.55	0.75	80	2B08063300000	41,860
0.75	1.00	90S	2B09S63300000	49,510
1.10	1.50	90L	2B09L65300000	57,670
1.50	2.00	100L	2B10L63300000	72,370
2.20	3.00	112M	2B11M65300000	85,310
3.70	5.00	132S	2B13S6G300000	1,11,270
5.50	7.50	132M	2B13M6T300000	1,25,740

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP46
0.37	0.50	90S	2B09S81300000	50,760
0.55	0.75	90L	2B09L85300000	56,920
0.75	1.00	100L	2B10L81300000	73,290
1.1	1.50	100L	2B10L83300000	77,410
1.5	2.00	112M	2B11M81300000	87,090
2.2	3.00	132S	2B13S8B300000	1,21,240

Frames 71 & 80 are available in Aluminium body with TB position on TOP
Frames 90 to 132 are available in Cast Iron body with TB position on RHS as standard feature. However TB on LHS or TOP can be offered on request

External Brake Motors

(Suitable for CT LT & Hoist application)

B3 construction, 3 Phase Brake Motor with external brake, Suitable for mains supply DOL 415V±10%, 50Hz ±5%, Combined Variation ±10%,

Brake Type : Failsafe, Normally ON, Input to brake will be 190VDC, Insulation class F with rise limited to B, Degree of Protection IP55,

Ambient Temperature 50° C, Method of Cooling : Totally Enclosed Fan Cooled, S3/S4 Duty, 40% CDF, 150 Starts / Stops per hour

1500 RPM, 4 Pole					
kW	HP	Frame	Type Ref.	Brake Size	LP46
0.55	0.75	71	MY071433AT0H0	8	44,110
0.75	1.00	80	MY080413CT0H0	10	57,820
1.10	1.50	80	MY080433CT0H0	10	59,150
1.50	2.00	90S	MY09S433CT0H0	12	72,430
2.20	3.00	90L	MY09L453CT0H0	12	76,790
2.50	3.30	100L	MY10L453CT0H0	12	1,01,930
4.40	5.90	112M	MY11M453CT0H0	14	1,08,750
7.50	10.00	132S	MY13S4G3CT0H0	16	1,54,720
9.30	12.50	132M	MY13M4P3CT0H0	18	1,88,850
11.00	15.00	160M	MY16M4A3CT0H0	18	2,14,100
13.20	17.70	160M	MY16M4C3CT0H0	20	2,46,520
15.00	20.00	160M	MY16M4F3CT0H0	20	2,50,020
19.00	25.50	160L	MY16L4P3CT0H0	20	2,72,910
22.00	30.00	180M	MY18M473CT0H0	23	3,67,790
30.00	40.00	200L	MY20L433CT0H0	25	5,00,420

1000 RPM, 6 Pole					
kW	HP	Frame	Type Ref.	Brake Size	LP46
0.37	0.50	71	MY071633AT0H0	8	44,100
0.55	0.75	80	MY080613CT0H0	10	58,980
0.75	1.00	80	MY080633CT0H0	10	62,140
1.10	1.50	90L	MY09L6A3CT0H0	12	78,950
1.50	2.00	90L	MY09L6S3CT0H0	12	79,200
1.50	2.00	100L	MY10L633CT0H0	12	88,430
2.90	3.90	112M	MY11M653CT0H0X	14	1,17,140
5.50	7.50	132S	MY13S6G3CT0H0	18	1,72,310
7.50	10.00	132M	MY13M6T3CT0H0	18	1,90,090
9.30	12.50	160M	MY16M633CT0H0	20	2,47,400
11.00	15.00	160L	MY16L663CT0H0	20	2,62,190
13.00	17.50	160L	MY16L673CT0H0	20	2,74,160
17.00	22.80	180L	MY18L633CT0H0	23	3,75,490
22.00	30.00	200L	MY20L633CT0H0	25	4,76,730
28.00	37.50	200L	MY20L653CT0H0	31	6,07,870

750 RPM, 8 Pole					
kW	HP	Frame	Type Ref.	Brake Size	LP46
0.55	0.75	90S	MY09S813CT0H0	10	63,550
0.75	1.00	90L	MY09L853CT0H0	12	72,120
1.10	1.50	100L	MY10L813CT0H0	12	92,610
1.50	2.00	112M	MY11M813CT0H0	14	1,01,030
2.20	3.00	112M	MY11M833CT0H0	14	1,10,700
3.70	5.00	132S	MY13S8G3CT0H0	16	1,63,790
5.50	7.50	160M	MY16M833CT0H0	18	2,30,370
7.50	10.00	160L	MY16L873CT0H0	20	2,76,490
9.30	12.50	180M	MY18M813CT0H0	20	3,31,170
11.00	15.00	180L	MY18L833CT0H0	23	3,55,720
15.00	20.00	200L	MY20L833CT0H0	25	4,58,120

All motors are offered with TB position at top as standard feature. Frame 80 and above can be offered with LHS / RHS TB on request

CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
1.00	MECHANICAL FEATURES	
1.01	Construction Mounting Position	
	(a) For foot mounting: B3, B6, B7, B8, V5 & V6	Nil
	(b) For Standard Flange / Face / Foot cum Flange / Foot cum Face mounting: B5, V1, V18, V19, B14, B35 / B34;	Frame: 63 to 160 : 3% Frame: 180 and above : 5%
1.02	Canopy	
	(a) Top plate cowl for V1 construction (80 frame onwards)	Frame: 80 to 100 : Rs. 1,400/- Frame: 112 to 132 : Rs. 1,800/- Frame: 160 : Rs. 2,000/- Frame: 180 : Rs. 2,200/- Frame: 200 : Rs. 3,500/- Frame: 225 to 250 : Rs. 4,000/- Frame: 280 : Rs. 5,000/- Frame: 315 to 400 : Rs. 7,500/-
	(b) FRP Canopy For Safe Area and Increased Safety Ex ec Motors: Frame 90 and above (with terminal box on RHS only)	Frame: 90 to 100 : Rs. 1,500/- Frame: 112 : Rs. 2,500/- Frame: 132 : Rs. 2,500/- Frame: 160 to 180 : Rs. 3,000/- Frame: 200 to 250 : Rs. 5,000/- Frame: 280 : Rs. 10,000/- Frame: 315 : Rs. 12,000/- Frame: 355 : Rs. 20,000/-
	(c) FRP Canopy For Flame Proof Ex 'd' Motors: Frame 160 and above (with terminal box on RHS only)	Frame: 160 to 180 : Rs. 5,000/- Frame: 200 : Rs. 7,500/- Frame: 225 : Rs. 10,000/- Frame: 250 : Rs. 15,000/- Frame: 280 to 315 : Rs. 20,000/-
1.03	Shaft Extension / Material	
	(a) Single / double non std shaft, if dia or extn is less than or equal to standard	5%
	(b) Any other Diameter / Extension	Refer to Sales Office
	(c) EN19, EN24 / EN57 material, 45C8	10%
	(d) Stainless Steel Shaft material (SS304, SS316, SS410, SS416)	15%
	(e) Other material (if any)	Refer to Sales Office
1.04	Water Flingers: Rubber Material	Frame: 90 to 225 : Rs. 500/- Frame: 250 to 355 : Rs. 2000/-
	(b) Water Flinger of other than rubber material	Refer to Sales Office

For any non-standard features not mentioned above, kindly contact our nearest sales office

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
1.05	Painting	
(a)	Paint Type	
(i)	For Safe Area Motors: Other than our std Acrylic Paint (Standard Paint Shades: For Safe Area Motors: IE2 & IE3 Our std paint shade is RAL 5000 Acrylic Paint; IE4 Induction: RAL7010 ; IE4 & IE5 PMSM: RAL 6037)	5% subject to maximum of Rs. 7,000/- <i>If safe area motor is required with AAP, then standard shade will be 632</i>
(ii)	For Hazardous Area Motors (Ex'd', Ex ec): Other than Acid Alkali Proof Paint (For Hazardous Area Motors (Ex'd' & Ex ec): Our standard paint type is Acid Alkali Proof with 632 shade)	5% subject to maximum of Rs. 10,000/-
(b)	Paint Shade	
(i)	For Safe Area Motors: Other than RAL 5000	5% subject to maximum of Rs. 15,000/-
(ii)	For Hazardous Area Motors (Ex'd', Ex ec): Other than 632 shade	5% subject to maximum of Rs. 15,000/-
(c)	Paint Thickness (for AAP type paint) (Please get confirmation from sales office on paint thickness)	
(i)	For Additional paint thickness, more than 70 micron and upto 120 micron	5%
(ii)	For additional paint thickness, more than 121 micron and upto 170 micron	7%; But seek a separate confirmation from sales on detailed painting scheme before offering
(iii)	For additional paint thickness, more than 171 micron and upto 220 micron	10%; But seek a separate confirmation from sales on detailed painting scheme before offering
(iv)	For additional paint thickness, more than 221 micron and upto 270 micron	15%; But seek a separate confirmation from sales on detailed painting scheme before offering
(d)	Epoxy Gel Coat on winding overhang (Epoxy gel coat on winding overhang and SS nameplate is standard feature for Hazardous Area Motors i.e. Ex'd', Ex ec motors)	2%
(e)	Shot Blasting	Refer to Sales Office
1.06	Ingress Protection: IP	
(a)	IP56 / IP65 / IP66	5%
1.07	Hazardous Area motors	
(a)	Increased Safety Ex ec Motors as per IS/IEC 60079-7 (Formerly known as Non Sparking Ex 'nA' Motors)	
(i)	IE2 Increased Safety Ex ec Motors	7.5% on the selected frame of IE2 safe area motor
(ii)	IE3 Increased Safety Ex ec Motors	7.5% on the selected frame of IE3 safe area motor
(b)	Flame proof motors for zone 21/22 area with CIMFR test reports, in IE2 and IE3 efficiency series (IP66 is a standard feature in motors for Zone 21 / 22 area)	25% over respective FLP LP; discount not applicable
(c)	Flame Proof Ex 'd' Motors with ATEX/IECEx approval	10%
1.08	Impregnation Schemes	
(a)	Inverter Grade Winding/VPI	Frame 63 to 280 : 5% Frame 315 and above : Nil
(b)	Motors for Inverter Duty: 500 to 690V (Scheme III Insulation)	20%

For any non-standard features not mentioned above, kindly contact our nearest sales office

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
1.09	Forced Cooling (Fan with motor and Cowl)	Frame: 132 to 160 : Rs. 8,000/-
		Frame: 180 : Rs. 11,000/-
		Frame: 200 to 225 : Rs. 18,000/-
		Frame: 250 to 280 : Rs. 25,000/-
		Frame: 315 to 355 : Rs. 31,000/-
		Frame: 400 to 450 : Rs. 59,000/-
1.10	Provision for Encoder Mounting 132 frame onwards For frame 400 & 450: Refer to sales office	Frame: 132 to 160 : Rs. 3,000/-
		Frame: 180 to 225 : Rs. 7,500/-
		Frame: 250 to 280 : Rs. 14,000/-
		Frame: 315 and 355 : Rs. 22,000/-
1.11	Space Heater for Safe Area Motors :	Frame: 80 to 112 : Rs. 2,000/-
		Frame: 132 to 160 : Rs. 2,200/-
		Frame: 180 to 355 : Rs. 4,500/-
1.12	PESO Approved Space Heater for Increased Safety Ex ec and Flame Proof Ex 'd' Motors Not for ATEX motors	Frame: 80 to 132 : Rs. 3,500/-
		Frame: 160 to 200 : Rs. 4,500/-
		Frame: 225 to 280 : Rs. 5,500/-
		Frame: 315 : Rs. 7,500/-
		Frame: 355 : Rs. 8,500/-
1.13	Space Heater for ATEX approved motors	Frame: 80 to 160 : Rs. 5,000/-
		Frame: 160 to 200 : Rs. 9,000/-
		Frame: 225 to 280 : Rs. 11,000/-
		Frame: 315 : Rs. 15,000/-
1.14	Sealing Box for FLP Motors Mandatorily to be considered for applications in Oil Mines & Coal Mines	Frame: 90 to 132 : Rs. 1,850/-
		Frame: 160 to 200 : Rs. 2,200/-
		Frame: 225 to 315 : Rs. 2,400/-
		Frame: 355 : Rs. 4,000/-
1.15	Cable Glands: Safe Area	Price in Rupees Per Gland
		Frame: 63 to 160 : Rs. 1,500/-
		Frame: 180 to 225 : Rs. 2,500/-
		Frame: 250 to 280 : Rs. 4,000/-
		Frame: 315 : Rs. 4,500/-
1.16	Cable Glands: PESO approved for Ex ec and Ex 'd' ; not for ATEX motors	Price in Rupees Per Gland
		Frame: 80 to 132 : Rs. 2,000/-
		Frame: 160 to 200 : Rs. 5,000/-
		Frame: 225 to 280 : Rs. 8,000/-
		Frame: 315 : Rs. 12,500/-
		Frame: 355 : Rs. 15,000/-

For any non-standard features not mentioned above, kindly contact our nearest sales office

* Prices are exclusive of GST, other taxes and levies. GST, other taxes and levies shall be charged extra as applicable at the rate prevailing at the time of dispatch.

CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES		Cash Extras / Percentage Extras LP46
1.17		Cable Glands: for ATEX/IECEx motors	Price in Rupees Per Gland
			Frame: 80 to 160 : Rs. 4,000/-
			Frame: 180 to 225 : Rs. 7,500/-
			Frame: 250 to 315 : Rs. 17,000/-
1.18		Metal Stopping Plug for Safe Area Motors	Frame: 63 to 160 : Rs. 750/-
			Frame: 180 to 225 : Rs. 1,300/-
			Frame: 250 to 355 : Rs. 1,700/-
1.19		Metal Stopping Plug for Increased Safety Ex ec Motors : 63 to 355 frame and Flame Proof Ex 'd' Motors : 80 to 355 frame	Frame: 63 to 160 : Rs. 900/-
			Frame: 180 to 225 : Rs. 1,700/-
			Frame: 250 to 315 : Rs. 4,000/-
			Frame: 355 : Rs. 5,000/-
1.20		Metal Stopping Plug for ATEX/IECEx motors	Frame: 80 to 160 : Rs. 2,200/-
			Frame: 180 to 225 : Rs. 4,200/-
			Frame: 250 to 315 : Rs. 10,000/-
1.21	(a)	Provision for fitment of external brake in IE2 Safe Area and Crane Duty Motors On NDE side e.g. EMCO: Providing Brake mounting arrangement only without brake	Frame: 71 to 80 : Rs. 2,200/-
			Frame: 90 : Rs. 2,700/-
			Frame: 100 to 132 : Rs. 4,500/-
			Frame: 160 to 180 : Rs. 5,800/-
			Frame: 200 : Rs. 8,000/-
	(b)	Manual release in Integral Brake Motors (manual release in standard feature in external brake motors)	Frame 90 to 132 : Rs. 500/-
1.22	Low Vibration as per IS 12075		
	(a)	Reduced Vibration	10%
	(b)	Special Vibration	20%
1.23	Bearings		
	(a)	Roller Bearing at DE Side in place of ball bearing <i>Safe Area: Frame 112 to 450; Hazardous Area: Frame 160 to 315</i> <i>For Frame 132: subject to confirmation from our nearest sales office.</i> <i>Online Greasing Arrangement is standard feature if Roller bearing at DE side is considered.</i>	Frame: 160 to 180 : Rs. 3,500/-
			Frame: 200 to 315 : Rs. 5,000/-
			Frame: 355 : Rs. 6,000/-
			Frame: 400 and 450 : Rs. 9,000/-
	(b)	Hybrid Bearing (at NDE side)	Frame: 100 to 132 : Rs. 14,000/-
			Frame: 160 to 225 : Rs. 20,000/-
	(c)	Insulated Bearings (at NDE side)	Frame: 250 to 280 : Rs. 33,000/-
			Frame: 315 : Rs. 34,000/-
			Frame: 355 & 400 : Rs. 38,000/-
			Frame: 450 : Rs. 45,000/-
	(d)	WT Bearing: (-40°C to +150°C)	Frame: 71 to 132 : Rs. 800/- per bearing i.e. Rs. 1600/- per motor

For any non-standard features not mentioned above, kindly contact our nearest sales office

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
1.24	Other Miscellaneous Features	
(a)	One size Higher Terminal Box	Frame: 71 to 112 : Rs. 500/-
		Frame: 132 and 160 : Rs. 1,750/-
		Frame: 180 : Rs. 3,500/-
		Frame: 200 and 225 : Rs. 4,000/-
		Frame: 250 : Rs. 6,000/-
		Frame: 280 : Rs. 9,000/-
		Frame: 315 and 355 : Rs. 17,500/-
(b)	Cast Iron Terminal Box (<i>where Aluminium is standard</i>)	Frames: 71 to 160 : Rs. 500/-
		Frames: 200 to 250 : Rs. 3500/-
(c)	Cast Iron Fan (<i>where plastic fan is standard</i>)	3%
(d)	Stainless Steel Hardwares (only for safe area motors)	Frame: 71 to 225 : Rs. 1,500/-
		Frame: 250 and 280 : Rs. 2,500/-
		Frame: 315 : Rs. 3,000/-
		Frame: 355 : Rs. 5,000/-
(e)	Seaworthy/export packing case for home market (Without fumigation certificate)	Frame: 71 to 80 : Rs. 1,000/-
		Frame: 90 to 160 : Rs. 2,000/-
		Frame : 180 to 250 : Rs. 6,000/-
		Frame: 280 to 315 : Rs. 10,000/-
		Frame: 355 : Rs. 15,000/-
(f)	Longer Flying leads (<i>length not exceeding 1.5m</i>)	Frame: 63 to 90 : Rs. 500/-
		Frame: 100 to 112 : Rs. 800/-
		Frame: 132 to 180 : Rs. 2,000/-
		Frame: 200 to 225 : Rs. 5,000/-
		Frame: 250 to 280 : Rs. 10,000/-
		Frame: 315 & 355 : Rs. 16,000/-
(g)	Longer Flying leads (<i>length exceeding 1.5m and less than 3m</i>)	Frame: 63 to 90 : Rs. 900/-
		Frame: 100 to 112 : Rs. 1,400/-
		Frame: 132 to 180 : Rs. 3,800/-
		Frame: 200 to 225 : Rs. 9,000/-
		Frame: 250 to 280 : Rs. 17,000/-
		Frame: 315 & 355 : Rs. 28,000/-
(h)	Extra Name Plate / Tag Plate	Rs. 600/-
(i)	Front Bearing locking arrangement	5% till 180 frame

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
1.25	Miscellaneous Mechanical Features:	
(a)	Direction Arrow Plate	Rs. 600/-
(b)	Spreader box (frames 180-315 Fr) for safe area Motors	2%
(c)	On Line Greasing Arrangement	For Safe Area :
		Frame: 160 to 225 : Rs. 1,400/-
		For Flame Proof Ex 'd' and Increased Safety Ex ec :
(d)	SPM Nipples provision : for safe area motors (for 250 fr onwards)	Frame: 180 to 200 : Rs. 3,500/-
		For Frames 250 onwards : Rs. 5,000/-
(e)	High Temperature Grease	Frame: 112 to 160 : Rs. 5,000/-
		Frame: 180 to 200 : Rs. 8,000/-
		Frame: 225 to 250 : Rs. 14,000/-
		Frame: 280 : Rs. 27,000/-
		Frame: 315 : Rs. 37,000/-
		Frame: 355 : Rs. 42,000/-
(f)	3, 4 cable Run T Box	Frame: 400 to 450 : Rs. 1,10,000/-
		Frame 355DCCA, 400 and 450 : Rs. 90,000/-
1.26	Motor with Fabricated body	Frame: 315 : Rs. 90,000/-
		Frame: 355 : Rs. 1,60,000/-

Cash Extra Price Calculations.

- Wherever cash extras are in percentage please add to the list price and then apply discount.
- Where cash extras are in absolute values please add them to the discounted net price i.e. after applying the discount.
No discount applicable on absolute values

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
2.00	ELECTRICAL FEATURES	
2.01	Base voltage between 250 to 550V	
(a)	415V, 50Hz	Nil
(b)	Non Standard Voltage 220 / 550V, 50Hz / 60Hz	5%
(c)	Dual voltage	5%
2.02	Longer Core length	10%
2.03	Insulation Class 'H'	10%
2.04	Thermistors: Safe Area Motors: 90 Frame onwards	
(a)	Set of 3 nos PTC Thermistors without controller	Rs. 2,500/-
(b)	Set of 6 nos PTC Thermistors without controller	Rs. 5,000/-
(c)	Thermostats per unit	Rs. 1,000/- ; but seek a separate confirmation from sales before offering
	Thermistors : Hazardous Area Motors	
(d)	For ATEX/IECEx motors 3nos PTC without controller for ATEX approved motors	Rs. 10,000/-
(e)	Thermistors 3nos: (PESO approved) for Increased Safety Ex ec & Flame Proof Ex 'd' motors	Rs. 5,500/-
(f)	Thermistors 6nos: (PESO approved) for Increased Safety Ex ec & Flame Proof Ex 'd' motors	Rs. 6,000/-
2.05	Multispeed Motors (safe area only)	
(a)	Single tapped winding upto 8 pole	Refer Sales Office
(b)	Dual speed with separate winding	
(c)	Motors single speed with 10, 12 Poles	
2.06	Intermittent Duty Motors (for motors other than standard MC series)	10% on selected frame size
2.07	RTD: for Safe Area & Exec motors : 200 frame onwards	
(a)	RTD (Simplex: 3 nos: 1 per phase) : It is a standard for DCCA motors.	Rs. 8,000/-
(b)	RTD (Simplex: 6 nos: 2 per phase) :	Rs. 13,000/-
(c)	RTD (Duplex: 3 Nos: 1 per phase) :	Rs. 13,000/-
(d)	RTD (Duplex: 6 Nos: 2 per phase) :	Rs. 26,000/-
2.08	BTD : 2 Nos. (For safe area & Exec motors 200 frame onwards)	
(a)	BTD: Simplex: It is a standard feature for DCCA motors.	Rs. 8,500/-
(b)	BTD: Duplex: 2 nos	Rs. 10,000/-

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES		Cash Extras / Percentage Extras LP46
3.00	OTHER CHARGES (WITNESS INSPECTION)		
3.01	Routine Testing	Frame: 63 to 160	: Rs. 2,500/-
		Frame: 180 to 225	: Rs. 3,500/-
		Frame: 250 to 450	: Rs. 5,000/-
3.02	Type Testing	Frame: 63 to 132	: Rs. 5,500/-
		Frame: 160 to 225	: Rs. 10,000/-
		Frame: 250 to 315	: Rs. 14,000/-
		Frame: 355	: Rs. 20,000/-
		Frame: 400 to 450	: Rs. 27,000/-
3.03	Combined Testing of Flame Proof Ex 'd' and Increased Safety Ex ec Motors (In presence of approved test house authority)		Rs. 2,10,000/-
3.04	Motor tesing with Inverter Drive (Safe Area) Testing of Safe area motor with VFD: Only temp rise test for motor will be carried out. Test report will be issued only for motor.		Rs. 70,000/- per motor (With BBL certification only.)
3.05	Noise and Vibration Test	Frame: 63 to 225	: Rs. 5,000/-
		Frame 250 and above	: Rs. 10,000/-
3.06	(a) Shaft UT Test (per unit)	Rs. 6,000/- per shaft; Minimum charge for this test will be Rs 18,000/- i.e for min 3 nos shafts; For any quantity more than 3 nos the said charge of Rs. 6,000/- per shaft will apply.	
	(b) Shaft DP or LPT Test (per unit)	Rs. 8,000/- per shaft; Minimum charge for this test will be Rs. 24,000/- i.e it is for min 3 nos shafts ; For any quantity more than 3 nos the said charge of Rs. 8,000/- per shaft.	
3.07	Body DP or LPT Test		Rs. 15,000/- - per motor; Minimum charge for this test will be Rs. 30,000/- i.e it is for min 2 nos ; For any quantity more than 2 nos the said charge of Rs. 15,000/- per motor will apply.
3.08	Overspeed Test (120% over rated speed for 2min)	Frame: 63 to 160	: Rs. 2,500/-
		Frame: 180 to 225	: Rs. 3,500/-
		Frame: 250 to 450	: Rs. 5,000/-

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP46
3.00	OTHER CHARGES	
3.09	Additional running of motor at no load for 30min	Rs. 2,500/- per motor
3.10	Shaft voltage test	Rs. 2,000/- per motor
3.11	Dimensional Inspection	Upto Frame 132 : Rs. 2,000/- per motor Frame 160 and above : Rs. 3,000/- per motor
3.12	Documentation Charges (Technical/Commercial)	
	(a) Documents for approval/submission	Rs. 2,000/-
	(b) Marine Motors' documentation	Refer to Sales Office

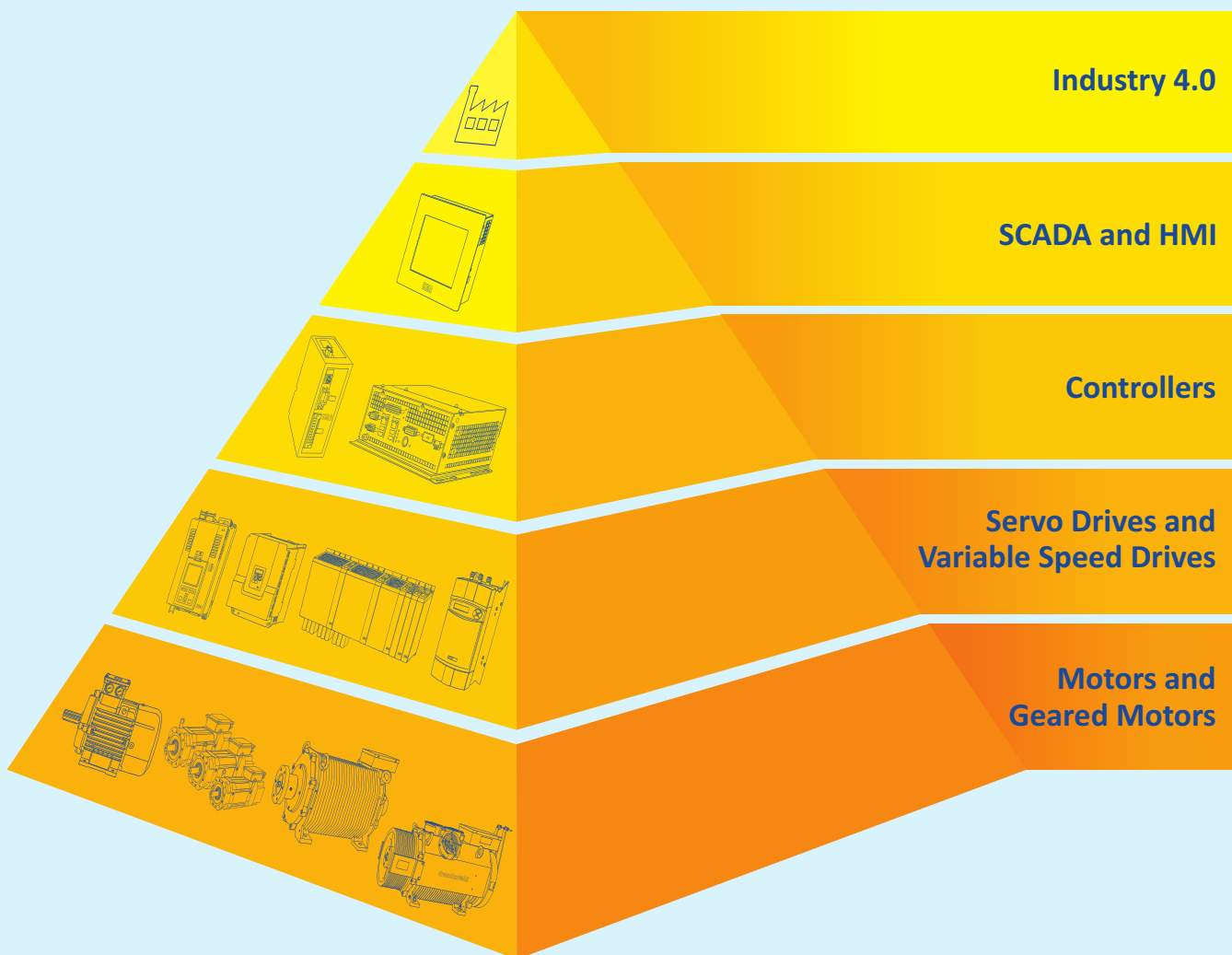
Cash Extra Price Calculations.

- (a). Wherever cash extras are in percentage please add to the list price and then apply discount.
 (b). Where cash extras are in absolute values please add them to the discounted net price i.e. after applying the discount.
 No discount applicable on absolute values

For any non-standard features not mentioned above, kindly contact our nearest sales office

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ENABLING PRODUCTIVITY, PRECISION AND ENERGY EFFICIENCY



Bharat Bijlee's Industrial Systems product portfolio caters to a spectrum of applications and spans the machine automation pyramid.

LV Motors Product Range

Motors Conform to relevant Indian Standards IS/IEC 60034 series

Voltage: 415V +/- 10%, Frequency: 50 Hz +/- 5%, Combined Variation: +/- 10%

Insulation: Class 'F' with temperature rise limited to Class 'B', Rotation: Bi-directional
Cooling: IC411, Degree of Protection: IP55, Altitude: upto 1000m above MSL

Motor Type	Frame	Power (kW)	Polarity		Standard Technical Specifications	Optional Features	Applications	
IE2 Motors	56 to 355	0.12 to 355	2, 4, 6, 8		● Ambient: 50° C ● Ambient for DCCA: 40° C ● Inverter Grade Winding: For IE3 and DCCA ● Duty: S1 ● RTD & BTD: For DCCA motors ● Mounting: B3, B5, B35, V1, B14 upto 132 frame	● Non Standard Voltage: upto 690V ● Higher Polarity on request ● Insulation: Class H ● Space Heater: 90 Frame onwards ● RTD & BTD: 250 Frame onwards ● PTC Thermistor: 80 to 355L ● Shaft Material: EN24* ● Enclosure: IP56 / 65 / 66 ● Forced Cooling: 132 to 450 Frame ● Roller Bearing: 160 Frame onwards	● High Temperature Grease: Suitable up to 200° C ● SS Hardware ● Non standard shaft diameter/extension* ● Non Standard Paint ● Provision for Encoder Mounting ● Low Vibration as per IS or IEC ● Insulated Bearing: 132 Frame onwards ● SPM Nipples Provision: Frame 250 onwards	Pump, Fan, Compressor, Packing Machinery, Coiler/De-coiler, Agro Equipment, Food Processing Equipment, Paper Machinery, Agitator, Dairy Equipment, Machine Tool, Air Conditioning, Material Handling, Plastic Machinery, Textile Machinery, Cooling Tower, Crusher, Material Handling
IE3 Motors	56 to 355	0.12 to 355	2, 4, 6, 8					
Large LT Motors (DCCA)	355 to 450	250 to 1250	2, 4, 6, 8					
IE4 Motors - Induction Series	200 to 280	18.5 to 90	2, 4, 6, 8		● Ambient: 50° C ● Inverter Duty Winding ● Duty: S1 ● Mounting: B3, B5, B35, V1	● Insulation: Class H ● Space Heater: 90 frame onwards ● PTC Thermistor: 80 to 225 Frame ● Shaft Material: EN24* ● Enclosure: IP56 / 65 / 66 ● Roller Bearing: 160 Frame onwards	● Non standard shaft diameter/extension* ● Non Standard Paint ● Provision for Encoder Mounting ● Low Vibration as per IS or IEC	Fans, HVAC, Pumps, Textiles, Hydraulic Press Pump, Fan, Compressor, Material Handling etc.
IE4 Motors - PMSM SynchroVERT® Series	112 to 225	1.5 to 45	4					
Standard Flame Proof Ex'd Motors	80 to 355	0.37 to 315	2, 4, 6, 8		● Ambient: 45° C ● Inverter Grade Winding: For IE3 Motors ● Duty: S1 ● Mounting: B3, B5, B35, V1	● Non Standard Voltage: 220 to 690V ● Intermittent Duty S3, S4: In 4, 6, 8 Pole* ● Insulation: Class H ● PTC Thermistor: 80 to 315 L ● Space Heater: 90 Frame onwards ● Roller Bearing: 160 Frame onwards ● Shaft Material: EN24* ● Enclosure: IP56 / 65 / 66	● Insulated Bearing: 132 Frame onwards ● Non standard shaft diameter/extension* ● Motors for inverter duty application ; offered with ● Combined testing of motor and VFD or ● Motors fitted with PTC Thermistor ● Test facility available for combined Testing with VFD ● Non Standard Paint ● Low Vibration as per IS or IEC	Pump, Fan, Compressor, Material Handling, Agitator, LPG Bottling Plant, Pharma Machinery, Chemical Plant Machinery, Machinery for mines
IE2 Flame Proof Ex'd Motors	80 to 355	0.37 to 315	2, 4, 6, 8					
IE3 Flame Proof Ex'd Motors	80 to 355	0.37 to 315	2, 4, 6, 8					
IE2 Increased Safety Ex ec Motors	63 to 355	0.12 to 355	2, 4, 6, 8		● Ambient: 50° C ● Duty: S1 ● Mounting: B3, B5, B35, V1 (B14 upto 132 Frame)	● Insulation: Class H ● Shaft Material: EN24* ● Enclosure: IP56 / 65 / 66 ● Roller Bearing: 160 Frame onwards	● Insulated Bearing: 132 Frame onwards ● Non standard shaft diameter/extension* ● Motors for inverter duty application with combined testing of motor and VFD for temperature class certification ● Test facility available for combined testing with VFD ● Non Standard Paint ● Low Vibration as per IS or IEC	Pump, Fan, Compressor, Material Handling, Agitator, Pharma Machinery
IE3 Increased Safety Ex ec Motors	63 to 355	0.12 to 355	2, 4, 6, 8					
Crane & Hoist Duty Motors	71 to 355	0.37 to 400	4, 6, 8		● Ambient: 45° C ● Duty: S4 ● Offered in DOL & Converter Fed Supply ● Mounting: B3, B5, B35, V1 (B14 upto 132 Frame)	● Duty: S2, S3 and S5 ● Non Standard Voltage: 380 to 460V ● Insulation: Class H ● Space Heater: 90 Frame onwards ● BTD: 250 Frame & above ● PTC Thermistor: 80 to 355 L ● Roller Bearing: 160 Frame onwards ● Shaft Material: EN24* ● Enclosure: IP56 / 65 / 66	● Motors for Inverter Duty ● Insulated Bearing: 132 Frame onwards ● Non standard shaft diameter/extension* ● Non Standard Paint ● Low Vibration as per IS or IEC	Crane, Hoist, Lift, Material Handling, Car Stacker, Door Opening
Brake Motors (With Integral DC Brake)	71 to 132	0.25 to 9.3	2, 4, 6, 8		● Ambient: 50° C ● Duty: S1 ● Mounting: B3, B5, B35 ● Integral DC Brake	● Duty: S2 and above ● Non Standard Voltage: upto 460V ● Motors for Inverter Duty ● Manual Release Arrangement: For 90 to 132 Frame	● Non standard shaft diameter/extension* ● Non Standard Paint	Crane, Hoist, Material Handling, Textile, Pharma to name a few
Brake Motors (With External Mounted Brake)	71 to 200	0.37 to 22	2, 4, 6, 8		● Ambient: 50° C ● Duty: S1 ● Mounting: B3, B5, B35 ● External Mounted DC Brake/Arrangement	● Duty: S2 and above ● Non Standard Voltage: upto 460V ● Motors for Inverter Duty ● Manual Release Arrangement	● Double Shaft Extension for brake arrangement ● Non Standard Paint	Crane, Hoist, Material Handling, Textile, Pharma to name a few
Slip Ring Motors	100 to 160	1.1 to 10	4, 6		● Ambient: 45° C ● Duty: S3, S4, S5 ● Mounting: B3	● Mounting: B35 ● Non standard shaft diameter & extension*	● Non Standard Paint	Crane, Hoist, Lift, Material Handling
Textile Motors	100 to 160	1.1 to 15	4, 6, 8		● Ambient: 50° C ● Duty: S1 ● Mounting: B3, B5, B35	● Non Standard Voltage: upto 500V ● Insulation: Class H	● Motors for Inverter Duty ● Non Standard Paint ● Low Vibration as per IS	Ginning, Textile Machinery
Cane Unloader Motors	160 to 225	11 to 30	6		● Ambient: 45° C ● Start/Stop per Hour: upto 900 ● Duty: S5, 50% CDF ● Thermostat ● Mounting: B3, B5, B35 ● Forced Cooling ● Shaft Material: En24	● Insulation: Class H ● PTC Thermistor	● Insulated Bearing: 132 Frame onwards ● Non Standard Paint	Cane Loading-Unloading Machine