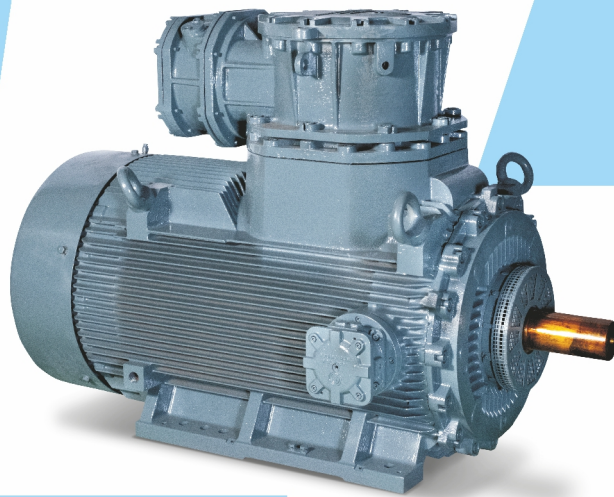


MOTORS PRICE LIST

LP45 w.e.f. 25th Sept'2025



A MOTOR FOR EVERY NEED



LONG LASTING



WIDE RANGE



ENERGY EFFICIENT



RELIABLE

MOTORS PRODUCT RANGE



General Purpose Motors for Safe Area

- IE2 series
- Premium Efficiency IE3 series motors



Introducing Flameproof motors in 355 frame suitable for gas group IIA, IIB & IIC

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

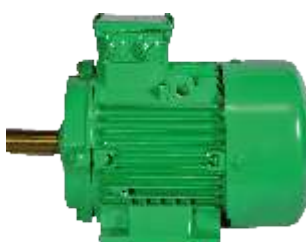


Special Purpose Motors

- 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/>

Title
LV Motors: An Introduction
Price List Guidelines
Safe Area Motors
<i>IE2 Series Safe Area Motors</i>
<i>IE2 Series Safe Area VFD Compatible Motors</i>
<i>IE3 Series Safe Area Motors</i>
<i>IE4 Series Safe Area Motors a) Induction Series b) Synchrovert Series</i>
Flame Proof Motors : Type Ex(d) :
<i>Introducing 355 frame suite for Gas Group IIA, IIB & IIC</i>
<i>FLP Motors : Standard Range</i>
<i>FLP Motors : Efficiency Values Complying to IE2 Class</i>
<i>FLP Motors : Efficiency Values Complying to IE3 Class</i>
Special Purpose Motors
<i>Fire Fighting Motors</i>
<i>Crane & Hoist Duty Motors</i>
<i>Crane & Hoist Duty Motors: IE2</i>
<i>Crane Duty Slip Ring Motors</i>
<i>Brake Motors</i>
Cash Extras for non standard features
<i>Mechanical features</i>
<i>Electrical features</i>

LV MOTORS: AN INTRODUCTION

The 18th century saw the advent of various technologies that led to the Industrial Revolution. Machines started replacing manual labour with an intent to increase productivity. Today, we are in a world where technology is advancing at an unprecedented rate and the backbone of this advancement is the most reliable and sustainable set of drivers. As one of the emerging nations, India is progressively adopting technologies and systems that guarantee the next level of performance. Electric motors are the prime movers for a large part of industry. It is hence imperative to have the most efficient and reliable motors to drive all possible applications.

Bharat Bijlee has been manufacturing motors since 1946 and has developed a wide range of motors to suit various applications. Adherence to stringent quality norms in our manufacturing process ensures successful operation of our motors during their lifespan. With an in-house design team and state-of-the-art manufacturing facility, we have developed the skill, expertise and competence to manufacture highly customized motors and also for the most severe of applications. Owing to our emphasis on customer satisfaction in all aspects of product and service, we are the most trusted brand in the industry.

Why Bharat Bijlee?



Preferred brand across various sectors viz cement, construction, steel, food and beverages, water and wastewater, sugar, distilleries, paper, oil and gas, mining, power and chemical.



Track record of over 4 million motors working successfully in the industry.



Customized motors designed and manufactured to suit application specific needs.



Stable operation on all applications (see illustration below).

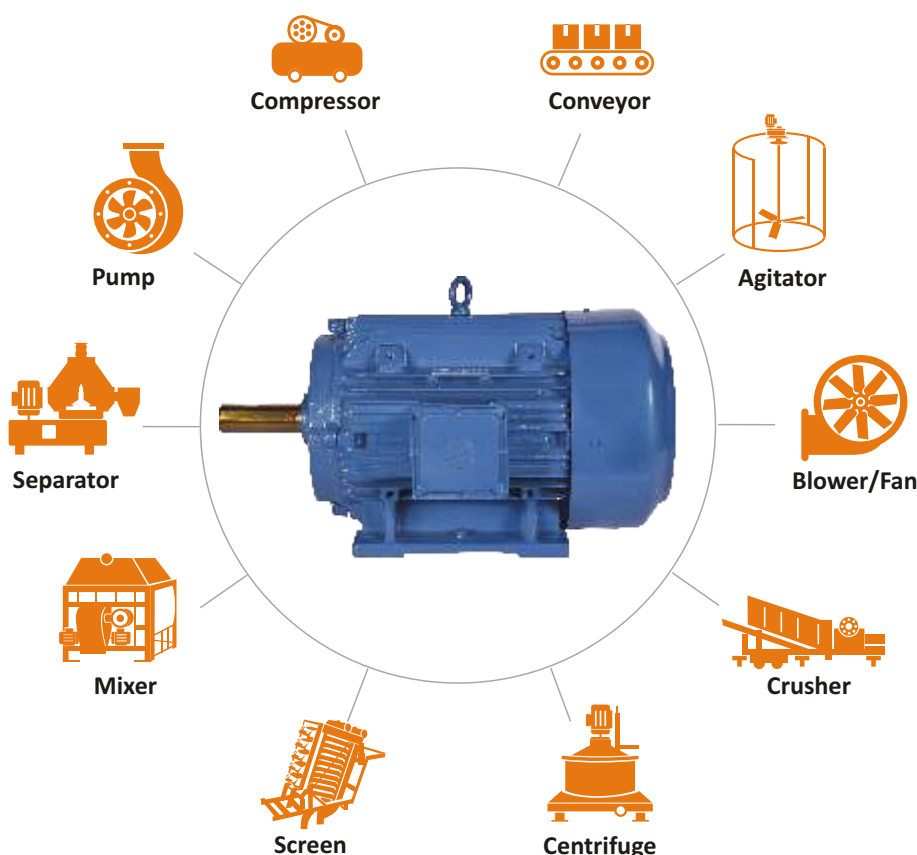


Suitable for extremely harsh and severe applications.



Motors conform to relevant IS/IEC standards and other statutory requirements.

The manufacturing facility for our entire portfolio is located across a 1,70,321 sq. metres campus in Airoli, Navi Mumbai. This is supported by an extensive sales and service network across the country and a central BB ServiceLINE® desk.



PRICE LIST GUIDELINES

1. This Price List : LP45 w.e.f. 25th Sept' 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	LP45
0.75	1.00	80	2H080213CT000	27,000
1.10	1.50	80	2H080233CT000	30,600
1.50	2.00	90S	2H09S243CT000	35,310
2.20	3.00	90L	2H09L273CT000	43,240
3.70	5.00	100L	2H10L233CT000	53,740
5.50	7.50	132S	2H13S2G3CT000	91,370
7.50	10.00	132S	2H13S2N3CT000	1,01,140
9.30	12.50	132M	2H13M4H3CT000	1,46,090
9.30	12.50	160M	2H16M233CT000	1,66,260
11.00	15.00	160M	2H16M253CT000	1,77,420
15.00	20.00	160M	2H16M263CT000	1,91,360
18.50	25.00	160L	2H16L293CT000	2,45,890
22.00	30.00	180M	2H18M233CT000	2,83,650
30.00	40.00	200L	2H20L2A3CT000	3,90,910
37.00	50.00	200L	2H20L273CT000	4,63,190
45.00	60.00	225M	2H22M253CT000	5,96,040
55.00	75.00	250M	2H25M233CT000	8,19,040
75.00	100.00	280S	2H28S233CT000	10,88,000
90.00	120.00	280M	2H28M253CT000	12,50,270
110.00	150.00	315S	2H31S23300000	16,36,020
125.00	170.00	315M	2H31M2A300000	18,77,890
132.00	180.00	315M	2H31M23300000	19,21,940
150.00	200.00	315L	2H31L2A300000	21,59,350
160.00	215.00	315L	2H31L25300000	21,61,620
180.00	240.00	315L	2H31L2B300000	22,75,760
200.00	270.00	355L	2H35L2A300000	26,86,430
250.00	335.00	355L	2H35L21300000	29,11,350
315.00	425.00	355L	2H35L23300000	32,05,520

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.55	0.75	80	2H080433CT000	27,060
0.75	1.00	80	2H080453CT000	27,460
1.10	1.50	90S	2H09S423CT000	35,460
1.50	2.00	90L	2H09L473CT000	41,140
2.20	3.00	100L	2H10L473CT000	50,420
3.70	5.00	112M	2H11M473CT000	64,880
5.50	7.50	132S	2H13S4K3CT000	90,630
7.50	10.00	132M	2H13M4T3CT000	1,04,710
9.30	12.50	132M	2H13M4H3CT000	1,46,090
9.30	12.50	160M	2H16M4C3CT000	1,64,880
11.00	15.00	160M	2H16M4K3CT000	1,67,710
15.00	20.00	160L	2H16L4T3CT000	2,14,360
18.50	25.00	180M	2H18M473CT000	2,78,140
22.00	30.00	180L	2H18L483CT000	3,04,600
30.00	40.00	200L	2H20L453CT000	4,02,100
37.00	50.00	225S	2H22S433CT000	4,60,030
45.00	60.00	225M	2H22M453CT000	5,44,940
55.00	75.00	250M	2H25M433CT000	7,56,250
75.00	100.00	280S	2H28S423CT000	9,87,910
90.00	120.00	280M	2H28M453CT000	11,50,730
110.00	150.00	315S	2H31S413CT000	13,28,990
125.00	170.00	315M	2H31M4A3CT000	15,14,680
132.00	180.00	315M	2H31M433CT000	15,58,240
150.00	200.00	315L	2H31L4A3CT000	18,47,010
160.00	215.00	315L	2H31L453CT000	19,35,740
180.00	240.00	315L	2H31L463CT000	20,56,120
200.00	270.00	315L	2H31L473CT000	21,21,460
250.00	335.00	355L	2H35L41300000	28,87,990
315.00	425.00	355L	2H35L43300000	33,59,100
355.00	475.00	355L	2H35L45300000	40,09,020

3000 rpm 2 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	56	2H056235AT000	14,570
0.18	0.24	63	2H063213AT000	16,910
0.25	0.33	63	2H063233AT000	17,410
0.37	0.50	71	2H0712A3AT000	19,770
0.55	0.75	71	2H071233AT000	25,390
0.75	1.00	80	2H080213AT000	26,200
1.10	1.50	80	2H080233AT000	28,600
1.50	2.00	90S	2H09S243AT000	32,740
2.20	3.00	90L	2H09L273AT000	41,990
3.70	5.00	100L	2H10L233AT000	52,160
5.50	7.50	132S	2H13S2G3AT000	88,700
7.50	10.00	132S	2H13S2N3AT000	96,620

1500 rpm 4 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	63	2H063413AT000	16,050
0.18	0.25	63	2H063433AT000	18,140
0.25	0.33	71	2H0714A3AT000	18,380
0.37	0.50	71	2H071433AT000	20,320
0.55	0.75	80	2H080433AT000	26,280
0.75	1.00	80	2H080453AT000	26,650
1.10	1.50	90S	2H09S423AT000	32,840
1.50	2.00	90L	2H09L473AT000	39,930
2.20	3.00	100L	2H10L473AT000	48,950
3.70	5.00	112M	2H11M473AT000	60,070
5.50	7.50	132S	2H13S4K3AT000	84,770
7.50	10.00	132M	2H13M4T3AT000	98,890
9.30	12.50	132M	2H13M4H3AT000	1,41,830

Frame 56 is available only in Aluminium body with flange mounting arrangement.

Frames 63 to 132 are available in Aluminium body with Terminal Box position on Top.

Frames 80 to 132 are also available in Cast Iron body with Terminal Box on Top as standard feature. However Terminal Box on LHS or RHS can be offered on request.

Frames 160 and above are in Cast Iron construction with TB on TOP as standard. TB on LHS or RHS can be offered on request.

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.

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.37	0.50	80	2H080613CT000	29,980
0.55	0.75	80	2H080633CT000	30,680
0.75	1.00	90S	2H09S633CT000	34,530
1.10	1.50	90L	2H09L653CT000	39,030
1.50	2.00	100L	2H10L633CT000	53,650
2.20	3.00	112M	2H11M653CT000	60,890
3.70	5.00	132S	2H13S6G3CT000	94,420
5.50	7.50	132M	2H13M6T3CT000	1,14,310
7.50	10.00	160M	2H16M633CT000	1,66,940
9.30	12.50	160L	2H16L663CT000	1,93,830
11.00	15.00	160L	2H16L673CT000	2,05,350
15.00	20.00	180L	2H18L633CT000	2,78,150
18.50	25.00	200L	2H20L633CT000	3,62,580
22.00	30.00	200L	2H20L653CT000	3,96,760
30.00	40.00	225M	2H22M643CT000	5,47,580
37.00	50.00	250M	2H25M633CT000	7,50,330
45.00	60.00	280S	2H28S613CT000	9,72,890
55.00	75.00	280M	2H28M633CT000	11,17,800
75.00	100.00	315S	2H31S613CT000	12,60,860
90.00	120.00	315M	2H31M633CT000	15,63,730
110.00	150.00	315M	2H31M653CT000	17,58,250
125.00	170.00	315L	2H31L6A3CT000	20,03,260
132.00	180.00	315L	2H31L673CT000	20,53,360
150.00	200.00	315L	2H31L6B3CT000	20,84,240
160.00	215.00	315L	2H31L693CT000	22,35,280
180.00	240.00	355L	2H35L6A300000	26,40,400
200.00	270.00	355L	2H35L61300000	28,27,960
250.00	335.00	355L	2H35L63300000	31,15,980

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.18	0.25	80	2H080813CT000	28,120
0.25	0.33	80	2H080833CT000	31,150
0.37	0.50	90S	2H09S813CT000	39,130
0.55	0.75	90L	2H09L853CT000	42,850
0.75	1.00	100L	2H10L813CT000	52,650
1.10	1.50	100L	2H10L833CT000	59,590
1.50	2.00	112M	2H11M813CT000	71,110
2.20	3.00	132S	2H13S8B3CT000	93,990
3.70	5.00	160M	2H16M813CT000	1,52,700
5.50	7.50	160M	2H16M833CT000	1,85,920
7.50	10.00	160L	2H16L863CT000	2,25,740
9.30	12.50	180M	2H18M833CT000	3,03,670
11.00	15.00	180L	2H18L873CT000	3,20,240
15.00	20.00	200L	2H20L843CT000	4,23,850
18.50	25.00	225S	2H22S823CT000	5,44,350
22.00	30.00	225M	2H22M833CT000	6,54,180
30.00	40.00	250M	2H25M813CT000	8,83,320
37.00	50.00	280S	2H28S823CT000	11,83,790
45.00	60.00	280M	2H28M853CT000	12,70,380
55.00	75.00	315S	2H31S813CT000	13,58,800
75.00	100.00	315M	2H31M833CT000	16,87,210
90.00	120.00	315M	2H31M853CT000	22,84,730
110.00	150.00	315L	2H31L873CT000	25,28,630
125.00	170.00	315L	2H31L8A3CT000	26,57,410
132.00	180.00	315L	2H31L893CT000	28,02,230

1000 rpm 6 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.18	0.25	71	2H0716A3AT000	21,650
0.25	0.33	71	2H071633AT000	22,510
0.37	0.50	80	2H080613AT000	28,560
0.55	0.75	80	2H080633AT000	29,210
0.75	1.00	90S	2H09S633AT000	32,880
1.10	1.50	90L	2H09L653AT000	36,500
1.50	2.00	100L	2H10L633AT000	52,100
2.20	3.00	112M	2H11M653AT000	58,060
3.70	5.00	132S	2H13S6G3AT000	86,630
5.50	7.50	132M	2H13M6T3AT000	1,06,830

750 rpm 8 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	71	2H071833AT000	25,610
0.18	0.25	80	2H080813AT000	27,300
0.25	0.33	80	2H080833AT000	30,240
0.37	0.50	90S	2H09S813AT000	37,990
0.55	0.75	90L	2H09L853AT000	41,210
0.75	1.00	100L	2H10L813AT000	51,110
1.10	1.50	100L	2H10L833AT000	59,470
1.50	2.00	112M	2H11M813AT000	69,050
2.20	3.00	132S	2H13S8B3AT000	91,240

Frames 71 to 132 are available in Aluminium body with Terminal Box position on Top.

Frames 80 to 132 are also available in Cast Iron body with Terminal Box on Top as standard feature. However Terminal Box on LHS or RHS can be offered on request.

Frames 160 and above are in Cast Iron construction with TB on TOP as standard. TB on LHS or RHS can be offered on request.

* 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 : Cast Iron Construction				
KW	HP	Frame	Type	LP45
9.30	12.50	160M	2H16M233CT0V0	1,79,560
11.00	15.00	160M	2H16M253CT0V0	1,91,600
15.00	20.00	160M	2H16M263CT0V0	2,06,670
22.00	30.00	180M	2H18M233CT0V0	3,06,340
30.00	40.00	200L	2H20L2A3CT0V0	4,22,190

3000 rpm 2 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.37	0.50	71	2H0712A3AT0V0	21,360
0.55	0.75	71	2H071233AT0V0	27,420
0.75	1.00	80	2H080213AT0V0	28,300
1.10	2.00	80	2H080233AT0V0	30,890
1.50	2.00	90S	2H09S243AT0V0	35,360
2.20	3.00	90L	2H09L273AT0V0	45,350
3.70	5.00	100L	2H10L233AT0V0	56,340
5.50	7.50	132S	2H13S2G3AT0V0	95,800
7.50	10.00	132S	2H13S2N3AT0V0	1,04,350

1000 rpm 6 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.37	0.50	80	2H080613AT0V0	30,850
0.55	0.75	80	2H080633AT0V0	31,540
0.75	1.00	90S	2H09S633AT0V0	35,510
1.10	1.50	90L	2H09L653AT0V0	39,420
1.50	2.00	100L	2H10L633AT0V0	56,270
2.20	3.00	112M	2H11M653AT0V0	62,700
3.70	5.00	132S	2H13S6G3AT0V0	93,560
5.50	7.50	132M	2H13M6T3AT0V0	1,15,380

1500 rpm 4 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP45
9.30	12.50	160M	2H16M4C3CT0V0	1,78,070
11.00	15.00	160M	2H16M4K3CT0V0	1,81,130
15.00	20.00	160L	2H16L4T3CT0V0	2,31,520
22.00	30.00	180L	2H18L483CT0V0	3,28,960
30.00	40.00	200L	2H20L453CT0V0	4,34,260

1500 rpm 4 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.55	0.75	80	2H080433AT0V0	28,380
0.75	1.00	80	2H080453AT0V0	28,780
1.10	1.50	90S	2H09S423AT0V0	35,470
1.50	2.00	90L	2H09L473AT0V0	43,130
2.20	3.00	100L	2H10L473AT0V0	52,870
3.70	5.00	112M	2H11M473AT0V0	64,870
5.50	7.50	132S	2H13S4K3AT0V0	91,550
7.50	10.00	132M	2H13M4T3AT0V0	1,06,800

1000 rpm 6 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP45
7.50	10.00	160M	2H16M633CT0V0	1,80,300
11.00	15.00	160L	2H16L673CT0V0	2,21,780
15.00	20.00	180L	2H18L633CT0V0	3,00,400
22.00	30.00	200L	2H20L653CT0V0	4,28,490
30.00	40.00	225M	2H22M643CT0V0	5,91,390

Frames 71 to 132 are available in Aluminium body with Terminal Box position on Top.

Frames 80 to 132 are also available in Cast Iron body with Terminal Box on Top as standard feature. However Terminal Box on LHS or RHS can be offered on request.

Frames 160 and above are in Cast Iron construction with TB on TOP as standard. TB on LHS or RHS can be offered on request.

* 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.

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	LP45
0.75	1.00	80	3H0802B3CT000	30,480
1.10	1.50	80	3H0802E3CT000	33,210
1.50	2.00	90S	3H09S2B3CT000	39,650
2.20	3.00	90L	3H09L2E3CT000	48,860
3.70	5.00	100L	3H10L2B3CT000	66,730
5.50	7.50	132S	3H13S2C3CT000	1,07,860
7.50	10.00	132S	3H13S2H3CT000	1,11,470
9.30	12.50	160M	3H16M2B3CT000	1,72,640
11.00	15.00	160M	3H16M2E3CT000	1,86,850
15.00	20.00	160M	3H16M2H3CT000	2,09,720
18.50	25.00	160L	3H16L2M3CT000	2,64,530
22.00	30.00	180M	3H18M2B3CT000	3,00,840
30.00	40.00	200L	3H20L2B3CT000	4,51,380
37.00	50.00	200L	3H20L2E3CT000	5,29,980
45.00	60.00	225M	3H22M2B3CT000	6,75,930
55.00	75.00	250M	3H25M2E3CT000	8,66,420
75.00	100.00	280S	3H28S2E3CT000	11,73,720
90.00	120.00	280M	3H28M2H3CT000	13,54,500
110.00	150.00	315S	3H31S2E3CT000	16,84,240
132.00	180.00	315L	3H31L2H3CT000	20,91,150
150.00	200.00	315L	3H31L2A3CT000	22,47,070
160.00	215.00	315L	3H31L2M3CT000	23,02,150
180.00	240.00	355L	3H35L2A3CT000	26,00,360
200.00	270.00	355L	3H35L2B3CT000	26,43,300
225.00	335.00	355L	3H35L2C3CT000	29,88,880
250.00	335.00	355L	3H35L2E3CT000	30,98,400
280.00	375.00	355L	3H35L2G3CT000	33,39,770

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.55	0.75	80	3H0804B3CT000	31,000
0.75	1.00	80	3H0804E3CT000	32,450
1.10	1.50	90S	3H09S4B3CT000	39,540
1.50	2.00	90L	3H09L4E3CT000	44,760
2.20	3.00	100L	3H10L4B3CT000	57,120
3.70	5.00	112M	3H11M4B3CT000	70,740
5.50	7.50	132S	3H13S4C3CT000	1,00,650
7.50	10.00	132M	3H13M4H3CT000	1,21,260
9.30	12.50	160M	3H16M4E3CT000	1,85,770
11.00	15.00	160M	3H16M4H3CT000	1,92,100
15.00	20.00	160L	3H16L4M3CT000	2,34,180
18.50	25.00	180M	3H18M4B3CT000	2,88,850
22.00	30.00	180L	3H18L4E3CT000	3,16,060
30.00	40.00	200L	3H20L4B3CT000	4,32,890
37.00	50.00	225S	3H22S4B3CT000	5,15,950
45.00	60.00	225M	3H22M4E3CT000	6,30,630
55.00	75.00	250M	3H25M4B3CT000	7,90,460
75.00	100.00	280S	3H28S4B3CT000X	10,41,530
90.00	120.00	280M	3H28M4H3CT000X	12,14,260
110.00	150.00	315S	3H31S4G3CT000	14,83,810
132.00	180.00	315M	3H31M4K3CT000	16,52,820
160.00	215.00	315L	3H31L4P3CT000	21,39,030
180.00	240.00	315L	3H31L4T3CT000	24,29,160
200.00	270.00	315L	3H31L4W3CT000	25,77,240
225.00	300.00	355L	3H35L4B3CT000	30,42,070
250.00	335.00	355L	3H35L4E3CT000	32,44,220
315.00	422.00	355L	3H35L4H3CT000	36,89,650

3000 rpm 2 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	56	3H056235AT000	18,200
0.18	0.24	63	3H063213AT000	20,030
0.25	0.33	63	3H063233AT000	21,090
0.37	0.5	71	3H071233AT000	22,780
0.55	0.75	71	3H071253AT000	28,700
0.75	1.00	80	3H0802B3AT000	29,650
1.10	1.50	80	3H0802E3AT000	33,210
1.50	2.00	90S	3H09S2B3AT000	38,630
2.20	3.00	90L	3H09L2E3AT000	48,860
3.70	5.00	100L	3H10L2B3AT000	62,100
5.50	7.50	132S	3H13S2C3AT000	1,07,860
7.50	10.00	132S	3H13S2H3AT000	1,11,470

1500 rpm 4 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	63	3H063433AT000	20,260
0.18	0.25	63	3H063453AT000	20,460
0.25	0.33	71	3H071453AT000	20,950
0.37	0.5	71	3H071463AT000	23,410
0.55	0.75	80	3H0804B3AT000	30,430
0.75	1.00	80	3H0804E3AT000	31,220
1.10	1.50	90S	3H09S4B3AT000	37,690
1.50	2.00	90L	3H09L4E3AT000	44,760
2.20	3.00	100L	3H10L4B3AT000	54,630
3.70	5.00	112M	3H11M4B3AT000	69,480
5.50	7.50	132S	3H13S4C3AT000	96,850
7.50	10.00	132M	3H13M4H3AT000	1,15,850

Frame 56 is available only in Aluminium body with flange mounting arrangement.

Frames 63 to 132 are available in Aluminium body with Terminal Box position on Top.

Frames 80 to 132 are also available in Cast Iron body with Terminal Box on Top as standard feature. However Terminal Box on LHS or RHS can be offered on request.

Frames 160 and above are in Cast Iron construction with TB on TOP as standard. TB on LHS or RHS can be offered on request.

IE3 Safe area motors range comes with inverter grade winding and with 6leads.

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.

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.37	0.50	80	3H0806B3CT000	34,050
0.55	0.75	80	3H0806E3CT000	35,680
0.75	1.00	90S	3H09S6B3CT000	41,700
1.10	1.50	90L	3H09L6E3CT000	46,040
1.50	2.00	100L	3H10L6B3CT000	68,750
2.20	3.00	112M	3H11M6B3CT000	73,890
3.70	5.00	132S	3H13S6C3CT000	1,07,950
5.50	7.50	132M	3H13M6H3CT000	1,33,900
7.50	10.00	160M	3H16M6B3CT000	1,89,200
9.30	12.50	160L	3H16L6E3CT000	2,06,150
11.00	15.00	160L	3H16L6H3CT000	2,32,820
15.00	20.00	180L	3H18L6B3CT000	3,25,960
18.50	25.00	200L	3H20L6B3CT000	4,07,480
22.00	30.00	200L	3H20L6E3CT000	4,47,880
30.00	40.00	225M	3H22M6B3CT000	6,26,160
37.00	50.00	250M	3H25M6B3CT000	8,03,960
45.00	60.00	280S	3H28S6B3CT000	10,52,550
55.00	75.00	280M	3H28M6E3CT000	12,08,450
75.00	100.00	315S	3H31S6B3CT000	13,56,600
90.00	120.00	315M	3H31M6E3CT000	16,96,550
110.00	150.00	315M	3H31M6H3CT000	18,72,940
132.00	180.00	315L	3H31L6M3CT000	22,57,000
160.00	215.00	355L	3H35L6B3CT000	25,71,300
180.00	240.00	355L	3H35L6C3CT000	31,67,910
200.00	270.00	355L	3H35L6E3CT000	33,77,380
250.00	335.00	355L	3H35L643CT000	36,34,210

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
0.18	0.25	80	3H080813CT000	36,700
0.25	0.33	80	3H080833CT000	40,070
0.37	0.5	90S	3H09S853CT000	42,680
0.55	0.75	90L	3H09L863CT000	46,760
0.75	1	100L	3H10L833CT000	57,500
1.10	1.5	100L	3H10L853CT000	69,870
1.50	2	112M	3H11M833CT000	80,860
2.20	3	132S	3H13S8B3CT000	1,07,070
3.70	5	160M	3H16M823CT000	1,66,510
5.50	7.5	160M	3H16M843CT000	2,47,050
7.50	10	160L	3H16L883CT000	2,63,760
9.30	12.5	180M	3H18M873CT000	3,42,580
11.00	15	180L	3H18L893CT000	3,61,300
15.00	20	200L	3H20L853CT000	4,92,530
18.50	25	225S	3H22S823CT000	6,31,790
22.00	30	225M	3H22M833CT000	7,59,550
30.00	40	250M	3H25M813CT000	10,25,550
37.00	50	280S	3H28S823CT000	13,94,560
45.00	60	280M	3H28M853CT000	14,98,240
55.00	75	315S	3H31S813CT000	15,77,330
75.00	100	315M	3H31M833CT000	19,58,510
90.00	120	315M	3H31M853CT000	26,51,960
110.00	150	315L	3H31L873CT000	28,07,540
125.00	170	315L	3H31L8A3CT000	30,84,560
132.00	180	315L	3H31L893CT000	32,52,700

1000 rpm 6 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.18	0.25	71	3H071633AT000	30,420
0.25	0.33	71	3H071653AT000	30,760
0.37	0.50	80	3H0806B3AT000	32,720
0.55	0.75	80	3H0806E3AT000	33,670
0.75	1.00	90S	3H09S6B3AT000	38,480
1.10	1.50	90L	3H09L6E3AT000	42,890
1.50	2.00	100L	3H10L6B3AT000	63,940
2.20	3.00	112M	3H11M6B3AT000	69,460
3.70	5.00	132S	3H13S6C3AT000	1,02,680
5.50	7.50	132M	3H13M6H3AT000	1,23,190

750 rpm 8 Pole: Aluminium Construction				
KW	HP	Frame	Type	LP45
0.12	0.16	71	3H071833AT000	27,020
0.18	0.25	80	3H080813AT000	36,700
0.25	0.33	80	3H080833AT000	40,070
0.37	0.5	90S	3H09S853AT000	42,680
0.55	0.75	90L	3H09L863AT000	46,760
0.75	1	100L	3H10L833AT000	57,500
1.10	1.5	100L	3H10L853AT000	69,870
1.50	2	112M	3H11M833AT000	80,860
2.20	3	132S	3H13S8B3AT000	1,07,070

Frames 71 to 132 are available in Aluminium body with Terminal Box position on Top.

Frames 80 to 132 are also available in Cast Iron body with Terminal Box on Top as standard feature. However Terminal Box on LHS or RHS can be offered on request.

Frames 160 and above are in Cast Iron construction with TB on TOP as standard. TB on LHS or RHS can be offered on request.

IE3 Safe area motors range comes with inverter grade winding and with 6leads.

* 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	LP45
30.00	40.00	200L	4G20L2A3CT000	6,48,460
37.00	50.00	200L	4G20L2B3CT000	7,68,190
45.00	60.00	225M	4G22M2A3CT000	9,88,590
55.00	75.00	250M	4G25M2A3CT000	13,30,720
75.00	100.00	280S	4G28S2A3CT000	16,42,780
90.00	120.00	280M	4G28M2B3CT000	18,94,920

1500 rpm 4 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
30.00	40.00	200L	4G20L4A3CT000	6,97,210
37.00	50.00	225S	4G22S4A3CT000	7,45,320
45.00	60.00	225M	4G22M4B3CT000	9,03,450
55.00	75.00	250M	4G25M4A3CT000	12,41,500
75.00	100.00	280S	4G28S4A3CT000	14,93,450
90.00	120.00	280M	4G28M4B3CT000	17,39,580

1000 rpm 6 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
18.50	25.00	200L	4G20L6A3CT000	5,95,900
22.00	30.00	200L	4G20L6B3CT000	6,55,380
30.00	40.00	225M	4G22M6A3CT000	9,25,670
37.00	50.00	250M	4G25M6A3CT000	12,44,800
45.00	60.00	280S	4G28S6A3CT000	15,32,770
55.00	75.00	280M	4G28M6B3CT000	17,60,170

750 rpm 8 Pole: Cast Iron Construction				
KW	HP	Frame	Type	LP45
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	

For other ratings, please refer to nearest sales office

* 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.

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	LP45
1.5	2.0	4H11M4N300000	112M	83,380
2.2	3.0	4H11M4S300000	112M	89,920
3.7	5.0	4H11M4T300000	112M	1,08,900
3.7	5.0	4H13S4W300000	132S	1,20,170
5.5	7.5	4H13S4F300000	132S	1,43,210
7.5	10.0	4H13M4M300000	132M	1,67,900
11.0	15.0	4H16M4N300000	160M	2,78,550
15.0	20.0	4H16L4B300000	160M/L	3,51,270
18.5	25.0	4H18M4R300000	180M	4,18,830
22.0	30.0	4H18L4T300000	180L	4,74,090
30.0	40.0	4H20L4W300000	200L	6,27,700
37.0	50.0	4H22S4P300000	225S	7,48,150
45.0	60.0	4H22M4W300000	225S	9,14,410
55.0	75.0	4H25M4W300000	250M	10,27,630

1000 rpm 6 Pole: Safe Area

kW	HP	Type Ref.	Frame	LP45
18.5	25.0	Refer Sales Office	200L	5,90,850
22.0	30.0	Refer Sales Office	200L	6,49,440
30.0	40.0	4H20L6W3G	200L	9,07,940
37.0	50.0	Refer Sales Office	225M	10,45,150

3000 rpm 2 Pole: Safe Area

kW	HP	Type Ref.	Frame	LP45
3.7	5.0	4H13S2W300000	132SM	1,34,650
5.5	7.5	4H13S2F300000	132SM	1,53,160
7.5	10.0	4H13M2M300000	132M	1,56,070

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	LP45
1.5	2.0	4J11M4N3G	F112M	1,64,780
2.2	3.0	4J11M4S3G	F112M	1,69,500
3.7	5.0	4J13S4W3G	F132S	2,27,160
5.5	7.5	4J13S4F3G	F132S	2,28,020
7.5	10.0	4J13M4M3G	F132M	2,56,590
11.0	15.0	4J18L4N3G	F180L	6,58,950
15.0	20.0	4J18L4W3G	F180L	6,69,660
18.5	25.0	4J18L4R3G	F180L	6,86,190

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	LP45
3.7	5	5H13S4W300000	132S	1,46,000
5.5	7	5H13S4J300000	132S	1,74,000
7.5	10	5H13M4M300000	132M	2,03,990
11	15	5H16M4N300000	160M	3,38,420
15	20	5H16L4B3G	160L	4,26,780
18.5	25	5H18M4R3G	180M	5,08,860
22	29	5H18L4T300000	180L	5,75,990
30	40	5H20L4W300000	200L	7,62,620
37	49	5H22S4P300000	225S	9,08,950
45	60	5H22M4W300000	225M	11,10,930

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	LP45
0.37	0.50	80	MD0802A300000	48,920
0.55	0.75	80	MD0802B300000	53,660
0.75	1.00	80	MD08021300000	55,290
1.1	1.50	80	MD08023300000	64,630
1.5	2.00	90L	MD09L23300000	67,430
2.2	3.00	90L	MD09L25300000	86,340
3.7	5.00	100L	MD10L21300000	1,15,170
5.5	7.50	132S	MD13S2B300000	1,62,740
7.5	10.00	132S	MD13S2E300000	1,79,820
9.3	12.50	132M	MD13M2N300000	3,25,340
11	15.00	160M	MD16M21300000	3,28,900
15	20.00	160M	MD16M25300000	3,60,950
18.5	25.00	160L	MD16L27300000	4,06,890
22	30.00	180L	MD18L21300000	4,89,270
30	40.00	200L	MD20L23300000	6,48,830
37	50.00	200L	MD20L25300000	8,41,840
45	60.00	225M	MD22M23300000	10,68,500
55	75.00	250M	MD25M21300000	13,85,400
75	100.00	280S	MD28S21300000	17,04,440
90	120.00	280M	MD28M23300000	18,17,630

1500 rpm, 4 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	80	MD0804A300000	48,050
0.55	0.75	80	MD08041300000	52,040
0.75	1.00	80	MD08043300000	54,110
1.1	1.50	90L	MD09L43300000	67,300
1.5	2.00	90L	MD09L45300000	71,550
2.2	3.00	100L	MD10L43300000	91,050
3.7	5.00	112M	MD11M43300000	1,12,980
5.5	7.50	132S	MD13S4B300000	1,55,310
7.5	10.00	132M	MD13M4K300000	1,77,070
9.3	12.50	160M	MD16M4A300000	2,80,860
11	15.00	160M	MD16M4C300000	2,82,840
15	20.00	160L	MD16L4K300000	3,40,730
18.5	25.00	180L	MD18L43300000	3,91,940
22	30.00	180L	MD18L47300000	4,65,940
30	40.00	200L	MD20L43300000	6,16,940
37	50.00	225S	MD22S41300000	7,67,280
45	60.00	225M	MD22M43300000	9,71,920
55	75.00	250M	MD25M41300000	12,61,880
75	100.00	280S	MD28S41300000	15,45,430
90	120.00	280M	MD28M43300000	15,77,250

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	80	MD08061300000	54,810
0.55	0.75	80	MD08063300000	59,070
0.75	1.00	90L	MD09L63300000	68,580
1.10	1.50	90L	MD09L65300000	71,970
1.50	2.00	100L	MD10L63300000	1,02,120
2.20	3.00	112M	MD11M63300000	1,18,680
3.70	5.00	132S	MD13S6B300000	1,57,240
5.50	7.50	132M	MD13M6N300000	1,90,570
7.50	10.00	160M	MD16M63300000	3,02,600
9.30	12.50	160L	MD16L66300000	3,39,430
11.00	15.00	160L	MD16L67300000	3,53,410
15.00	20.00	180L	MD18L61300000	4,72,520
18.50	25.00	200L	MD20L61300000	5,89,890
22.00	30.00	200L	MD20L63300000	6,39,890
30.00	40.00	225M	MD22M62300000	10,00,260
37.00	50.00	250M	MD25M60300000	13,01,950
45.00	60.00	280S	MD28S61300000	15,12,090
55.00	75.00	280M	MD28M63300000	16,30,950

750 rpm 8 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	90L	MD09L83300000	65,810
0.55	0.75	90L	MD09L85300000	71,240
0.75	1.00	100L	MD10L81300000	86,180
1.10	1.50	100L	MD10L83300000	1,00,060
1.50	2.00	112M	MD11M81300000	1,20,160
2.20	3.00	132S	MD13S8B300000	1,58,990
3.70	5.00	160M	MD16M81300000	2,56,980
5.50	7.50	160M	MD16M83300000	3,01,640
7.50	10.00	160L	MD16L87300000	3,67,790
9.30	12.50	180L	MD18L81300000	4,68,130
11.00	15.00	180L	MD18L83300000	5,11,150
15.00	20.00	200L	MD20L83300000	6,66,580
18.50	25.00	225S	MD22S81300000	8,27,520
22.00	30.00	225M	MD22M83300000	10,89,130
30.00	40.00	250M	MD25M81300000	13,37,620
37.00	50.00	280S	MD28S82300000	17,16,530
45.00	60.00	280M	MD28M85300000	17,52,650

All motors are with Terminal Box position on Top as standard feature

On request frames 112 & 132 can be offered with Terminal Box on RHS.

On request frames 160 to 280 can be offered with Terminal Box on RHS / LHS.

* 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 $\pm 10\%$, 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	LP45
0.37	0.5	80	2J0802A300000	50,390
0.55	0.75	80	2J0802B300000	56,350
0.75	1	80	2J08021300000	58,050
1.1	1.5	80	2J08023300000	67,860
1.5	2	90L	2J09L24300000	69,450
2.2	3	90L	2J09L27300000	90,650
3.7	5	100L	2J10L23300000	1,20,930
5.5	7.5	132S	2J13S2G300000	1,70,870
7.5	10	132S	2J13S2N300000	1,88,810
9.3	12.5	160M	2J16M23300000	3,41,610
11	15	160M	2J16M25300000	3,45,340
15	20	160M	2J16M26300000	3,79,000
18.5	25	160L	2J16L29300000	4,27,230
22	30	180L	2J18L23300000	5,13,730
30	40	200L	2J20L2A300000	6,81,270
37	50	200L	2J20L25300000	8,83,940
45	60	225M	2J22M25300000	11,21,930
55	75	250M	2J25M23300000	14,54,680
75	100	280M	2J28M23300000	17,89,660
90	120	280M	2J28M25300000	19,08,520
110	150	315S	2J31S23300000	21,13,500
125	170	315M	2J31M2A300000	24,71,270
132	180	315M	2J31M23300000	25,08,330
150	200	315L	2J31L2A300000	27,23,580
160	215	315L	2J31L25300000	28,43,810
180	240	315L	2J31L2B300000	34,09,530

1500 rpm, 4 Pole				
KW	HP	Frame	Type	LP45
0.37	0.5	80	2J08041300000	49,500
0.55	0.75	80	2J08043300000	54,640
0.75	1	80	2J08045300000	56,820
1.1	1.5	90L	2J09L42300000	69,330
1.5	2	90L	2J09L47300000	73,700
2.2	3	100L	2J10L47300000	93,770
3.7	5	112M	2J11M47300000	1,18,630
5.5	7.5	132S	2J13S4K300000	1,63,080
7.5	10	132M	2J13M4T300000	1,85,920
9.3	12.5	160M	2J16M4C300000	2,94,900
11	15	160M	2J16M4K300000	2,96,990
15	20	160L	2J16L4T300000	3,57,770
18.5	25	180L	2J18L47300000	4,11,540
22	30	180L	2J18L48300000	4,89,240
30	40	200L	2J20L45300000	6,47,790
37	50	225S	2J22S43300000	8,05,640
45	60	225M	2J22M45300000	10,20,520
55	75	250M	2J25M43300000	13,24,980
75	100	280S	2J28S42300000	16,22,710
90	120	280M	2J28M45300000	16,56,110
110	150	315S	2J31S41300000	19,47,470
125	170	315M	2J31M4A300000	21,67,490
132	180	315M	2J31M43300000	23,60,550
150	200	315L	2J31L4A300000	24,66,830
160	215	315L	2J31L45300000	25,01,690
180	240	315L	2J31L46300000	29,67,050
200	270	315L	2J31L47300000	33,79,250

New : Introducing Flameproof motors in 355 frame suitable for gas group IIA, IIB & IIC

3000 rpm, 2 Pole				
KW	HP	Frame	Type	LP45
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	LP45
225	300	355L	2J35L4B3G	Refer Sales Office
250	335	355L	2J35L413G	
280	375	355L	2J35L433G	

All motors are with Terminal Box position on top as a standard feature
On request frames 112 & 132 can be offered with Terminal Box on RHS.
On request frames 160 to 280 can be offered with Terminal Box on RHS / LHS.

* 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 $\pm 10\%$, 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.

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	80	2J08061300000	57,540
0.55	0.75	80	2J08063300000	62,030
0.75	1.00	90L	2J09L63300000	72,000
1.10	1.50	90L	2J09L65300000	74,130
1.50	2.00	100L	2J10L63300000	1,07,220
2.20	3.00	112M	2J11M65300000	1,24,620
3.70	5.00	132S	2J13S6G300000	1,65,100
5.50	7.50	132M	2J13M6T300000	2,00,090
7.50	10.00	160M	2J16M63300000	3,17,730
9.30	12.50	160L	2J16L66300000	3,56,400
11.00	15.00	160L	2J16L67300000	3,71,080
15.00	20.00	180L	2J18L63300000	4,96,150
18.50	25.00	200L	2J20L63300000	6,19,390
22.00	30.00	200L	2J20L65300000	6,71,890
30.00	40.00	225M	2J22M64300000	10,50,270
37.00	50.00	250M	2J25M63300000	13,67,050
45.00	60.00	280S	2J28S61300000	15,87,700
55.00	75.00	280M	2J28M63300000	17,12,490
75.00	100.00	315S	2J31S61300000	19,80,510
90.00	120.00	315M	2J31M63300000	23,22,410
110.00	150.00	315M	2J31M65300000	25,46,170
125.00	170.00	315L	2J31L6A300000	28,95,480
132.00	180.00	315L	2J31L67300000	30,86,360
150.00	200.00	315L	2J31L6B300000	32,30,290
160.00	215.00	315L	2J31L69300000	37,20,350

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	90L	2J09L83300000	69,100
0.55	0.75	90L	2J09L85300000	74,800
0.75	1.00	100L	2J10L81300000	90,490
1.10	1.50	100L	2J10L83300000	1,05,060
1.50	2.00	112M	2J11M81300000	1,26,170
2.20	3.00	132S	2J13S8B300000	1,66,940
3.70	5.00	160M	2J16M81300000	2,69,830
5.50	7.50	160M	2J16M83300000	3,16,730
7.50	10.00	160L	2J16L86300000	3,86,180
9.30	12.50	180L	2J18L83300000	4,91,540
15.00	20.00	200L	2J20L84300000	6,99,910
18.50	25.00	225S	2J22S82300000	8,68,890
22.00	30.00	225M	2J22M83300000	11,43,580
30.00	40.00	250M	2J25M81300000	14,04,500
37.00	50.00	280S	2J28S82300000	18,02,350
45.00	60.00	280M	2J28M85300000	18,40,280
55.00	75.00	315S	2J31S81300000	22,35,450
75.00	100.00	315M	2J31M83300000	26,18,200
90.00	120.00	315M	2J31M85300000	28,65,830
110.00	150.00	315L	2J31L87300000	33,51,590
125.00	170.00	315L	2J31L8A300000	37,78,710
132.00	180.00	315L	2J31L89300000	37,85,190

New : Introducing Flameproof motors in 355 frame suitable for gas group IIA, IIB & IIC

1000 rpm 6 Pole				
KW	HP	Frame	Type	LP45
160	215	355L	2J35L6B300000	Refer Sales Office
180	240	355L	2J35L6A300000	
200	270	355L	2J35L61300000	
250	335	355L	2J35L63300000	

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
132	180	355L	2J35L80300000	Refer Sales Office
160	215	355L	2J35L81300000	
180	240	355L	2J35L8A300000	

All motors are with Terminal Box position on top as a standard feature
On request frames 112 & 132 can be offered with Terminal Box on RHS.
On request frames 160 to 280 can be offered with Terminal Box on RHS / LHS.

* 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 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	LP45
0.37	0.50	80	3J0802A300000	53,850
0.55	0.75	80	3J080213000000	59,730
0.75	1.00	80	3J0802B3000000	61,260
1.10	1.50	80	3J0802E3000000	71,630
1.50	2.00	90L	3J09L2B3000000	74,170
2.20	3.00	90L	3J09L2E3000000	96,030
3.70	5.00	100L	3J10L2B3000000	1,26,510
5.50	7.50	132S	3J13S2C3000000	1,80,860
7.50	10.00	132S	3J13S2H3000000	2,00,040
9.30	12.50	160M	3J16M2B3000000	3,54,320
11.00	15.00	160M	3J16M2E3000000	3,55,450
15.00	20.00	160M	3J16M2H3000000	3,97,820
18.50	25.00	160L	3J16L2M3000000	4,52,040
22.00	30.00	180M	3J18M2B3000000	5,32,050
30.00	40.00	200L	3J20L2B3000000	7,52,810
37.00	50.00	200L	3J20L2E3000000	9,31,970
45.00	60.00	225M	3J22M2B3000000	11,82,940
55.00	75.00	250M	3J25M2E3000000	15,08,380
75.00	100.00	280S	3J28S2E3000000	18,69,350
90.00	120.00	280M	3J28M2H3000000	20,01,690
110.00	150.00	315S	3J31S2E3000000	22,39,480
132.00	180.00	315L	3J31L2H3000000	27,87,540
160.00	215.00	315L	3J31L2M3000000	31,52,580
110.00	150.00	315S	3J31S2E3000000	22,39,480
132.00	180.00	315L	3J31L2H3000000	27,87,540
160.00	215.00	315L	3J31L2M3000000	31,52,580
180.00	240.00	315L	3J31L2K3000000	38,46,150

1500 RPM, 4 Pole

KW	HP	Frame	Type	LP45
0.37	0.50	80	3J080433000000	53,040
0.55	0.75	80	3J0804B3000000	58,220
0.75	1.00	80	3J0804E3000000	60,540
1.10	1.50	90L	3J09L4B3000000	73,480
1.50	2.00	90L	3J09L4E3000000	78,840
2.20	3.00	100L	3J10L4B3000000	1,00,110
3.70	5.00	112M	3J11M4B3000000	1,26,870
5.50	7.50	132S	3J13S4C3000000	1,72,820
7.50	10.00	132M	3J13M4H3000000	1,96,930
9.30	12.50	160M	3J16M4E3000000	3,06,470
11.00	15.00	160M	3J16M4H3000000	3,11,710
15.00	20.00	160L	3J16L4M3000000	3,78,210
18.50	25.00	180M	3J18M4B3000000	4,30,410
22.00	30.00	180L	3J18L4E3000000	5,11,570
30.00	40.00	200L	3J20L4B3000000	6,83,380
37.00	50.00	225S	3J22S4B3000000	8,90,760
45.00	60.00	225M	3J22M4E3000000	11,24,810
55.00	75.00	250M	3J25M4B3000000	13,84,420
75.00	100.00	280S	3J28S4B3000000	16,82,200
90.00	120.00	280M	3J28M4H3000000	17,27,710
110.00	150.00	315S	3J31S4G3000000	21,33,870
132.00	180.00	315L	3J31L4K3000000	26,31,950
160.00	215.00	315L	3J31L4P3000000	26,45,040
180.00	240.00	315L	3J31L4T3000000	31,37,830
200.00	270.00	315L	3J31L4W3000000	37,41,130

New : Introducing Flameproof motors in 355 frame suitable for gas group IIA, IIB &

3000 RPM, 2 Pole

KW	HP	Frame	Type	LP45
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	LP45
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	

All motors are with Terminal Box position on top as a standard feature

On request frames 112 & 132 can be offered with Terminal Box on RHS.

On request frames 160 to 280 can be offered with Terminal Box on RHS / LHS.

* 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.

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.

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	80	3J0806B300000	60,650
0.55	0.75	80	3J0806E300000	63,560
0.75	1.00	90L	3J09L6B300000	75,500
1.10	1.50	90L	3J09L6E300000	79,110
1.50	2.00	100L	3J10L6B300000	1,13,460
2.20	3.00	112M	3J11M6B300000	1,30,870
3.70	5.00	132S	3J13S6C300000	1,74,710
5.50	7.50	132M	3J13M6H300000	2,11,880
7.50	10.00	160M	3J16M6B300000	3,29,430
9.30	12.50	160L	3J16L6E300000	3,75,270
11.00	15.00	160L	3J16L6H300000	3,92,490
15.00	20.00	180L	3J18L6B300000	5,16,820
18.50	25.00	200L	3J20L6B300000	6,44,920
22.00	30.00	200L	3J20L6E300000	6,99,710
30.00	40.00	225M	3J22M6B300000	11,06,540
37.00	50.00	250M	3J25M6B300000	14,27,810
45.00	60.00	280S	3J28S6B300000	16,58,110
55.00	75.00	280M	3J28M6E300000	17,86,930
75.00	100.00	315S	3J31S6B300000	21,01,320
90.00	120.00	315M	3J31M6E300000	24,41,530
110.00	150.00	315M	3J31M6H300000	27,13,780
132.00	180.00	315L	3J31L6M300000	32,61,990
160.00	215.00	315L	3J31L6P300000	41,44,350

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
0.18	0.25	80	3J080813000000	62,400
0.25	0.33	80	3J080833000000	67,400
0.37	0.50	90L	3J09L853000000	86,960
0.55	0.75	90L	3J09L863000000	89,290
0.75	1.00	100L	3J10L833000000	1,10,950
1.10	1.50	100L	3J10L853000000	1,15,000
1.50	2.00	112M	3J11M833000000	1,36,800
2.20	3.00	132S	3J13S8B300000	1,81,650
3.70	5.00	160M	3J16M823000000	2,91,410
5.50	7.50	160M	3J16M843000000	3,55,880
7.50	10.00	160L	3J16L883000000	4,09,810
9.30	12.50	180M	3J18M873000000	5,38,070
11.00	15.00	180L	3J18L893000000	5,66,780
15.00	20.00	200L	3J20L853000000	7,50,080
18.50	25.00	225S	3J22S823000000	9,36,290
22.00	30.00	225M	3J22M833000000	12,73,010
30.00	40.00	250M	3J25M813000000	15,13,840
45.00	60.00	280M	3J28M853000000	20,57,770
55.00	75.00	315S	3J31S813000000	25,26,070
75.00	100.00	315M	3J31M833000000	27,75,290
90.00	120.00	315M	3J31M853000000	32,38,390
110.00	150.00	315L	3J31L873000000	37,87,300
125.00	170.00	315L	3J31L8A300000	42,69,930
132.00	180.00	315L	3J31L893000000	42,77,250

New : Introducing Flameproof motors in 355 frame suitable for gas group IIA, IIB & IIC

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP45
180	240	355L	3J35L6C3G	Refer Sales Office
200	270	355L	3J35L6E3G	
250	335	355L	3J35L643G	

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
160	215	355L	3J35L8B3G	Refer Sales Office
180	240	355L	3J35L8C3G	

All motors are with Terminal Box position on top as a standard feature
On request frames 112 & 132 can be offered with Terminal Box on RHS.
On request frames 160 to 280 can be offered with Terminal Box on RHS / LHS.

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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 I 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	LP45
5.50	7.50	112M	2L11M233CT000	82,430
7.50	10.00	132S	2L13S2G3CT000	1,01,140
9.30	12.50	132S	2L13S2H3CT000	1,45,560
11.00	15.00	132S	2L13S2A3CT000	1,63,540
15.00	20.00	160M	2L16M253CT000	1,89,580
18.50	25.00	160M	2L16M263CT000	2,28,980
22.00	30.00	160L	2L16L293CT000	2,57,920
30.00	40.00	180M	2L18M2B3CT000	3,41,670
37.00	50.00	200L	2L20L2A3CT000	4,63,190
45.00	60.00	200L	2L20L2E3CT000	5,49,550
55.00	75.00	225M	2L22M253CT000	6,92,860
75.00	100.00	250M	2L25M233CT000	8,48,180
90.00	120.00	280S	2L28S233CT000	11,09,380
110.00	150.00	280M	2L28M253CT000	14,71,250

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

CRANE & HOIST DUTY MOTORS

Voltage:	415V +/-10%	St Method:	DOL
Hz:	50Hz +/-5%	Ins Class:	F
Combined Varia	+/-10%	Temp Rise	B
Duty:	S3/S4	Ambient:	45deg Cel
CDF:	40%	Protection:	IP55
Start Stops:	150 per hour	Mounting:	B3

1500 rpm, 4 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP45
11.00	15.00	160M	MC16M4A300000	1,43,730
15.00	20.00	160M	MC16M4F300000	1,56,740
18.50	25.00	160L	MC16L4P300000	1,72,530
22.00	30.00	180L	MC18L47300000	2,41,630
30.00	40.00	200L	MC20L43300000	3,28,190
37.00	50.00	225S	MC22S41300000	4,04,570
45.00	60.00	225M	MC22M43300000	5,45,290
55.00	75.00	250M	MC25M41300000	7,47,160
75.00	100.00	280S	MC28S41300000	9,20,940
90.00	120.00	280M	MC28M43300000	10,27,420
110.00	150.00	315S	MC31S41300000	13,84,300
132.00	160.00	315M	MC31M43300000	15,32,960
160.00	215.00	315L	MC31L45300000	18,35,570
180.00	250.00	315L	MC31L46300000	19,35,750
200.00	270.00	315L	MC31L47300000	19,71,180

1000 rpm 6 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP45
9.30	12.50	160M	MC16M63300000	1,44,050
11.00	15.00	160L	MC16L66300000	1,78,470
13.00	17.50	160L	MC16L67300000	2,02,370
17.00	23.00	180L	MC18L63300000	2,92,770
22.00	30.00	200L	MC20L63300000	3,40,300
30.00	40.00	225M	MC22M62300000	4,78,130
37.00	50.00	250M	MC25M60300000	6,90,560
45.00	60.00	280S	MC28S61300000	8,79,870
52.00	70.00	280M	MC28M63300000	9,98,160
70.00	95.00	315S	MC31S61300000	12,49,920
85.00	115.00	315M	MC31M63300000	15,42,580
102.00	135.00	315M	MC31M65300000	17,18,330
125.00	167.00	315L	MC31L67300000	19,96,320
150.00	200.00	315L	MC31L69300000	21,18,400

1500 rpm, 4 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.55	0.75	71	MC07143300000	23,990
0.75	1.00	80	MC08041300000	26,660
1.10	1.50	80	MC08043300000	27,960
1.50	2.00	90S	MC09S43300000	29,430
2.20	3.00	90L	MC09L45300000	32,210
3.70	5.00	100L	MC10L45300000	43,040
5.50	7.50	112M	MC11M45300000	54,210
7.50	10.00	132S	MC13S4G300000	77,490
9.30	12.50	132M	MC13M4P300000	92,410

1000 rpm 6 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.37	0.50	71	MC07163300000	24,050
0.55	0.75	80	MC08061300000	28,410
0.75	1.00	80	MC08063300000	29,470
1.10	1.50	90L	MC09L6A300000	30,590
1.50	2.00	90L	MC09L65300000	34,890
2.20	3.00	100L	MC10L65300000	45,820
3.70	5.00	112M	MC11M65300000	54,620
5.50	7.50	132S	MC13S6G300000	79,290
7.50	10.00	132M	MC13M6T300000	91,920

750 rpm 8 Pole : Cast Iron Construction				
KW	HP	Frame	Type	LP45
5.50	7.50	160M	MC16M83300000	1,51,180
7.50	10.00	160L	MC16L87300000	1,93,910
9.30	12.50	180M	MC18M81300000	2,31,940
11.00	15.00	180L	MC18L83300000	2,73,030
15.00	20.00	200L	MC20L83300000	3,67,160
18.50	25.00	225S	MC22S81300000	4,66,560
22.00	30.00	225M	MC22M83300000	5,63,140
30.00	40.00	250M	MC25M81300000	7,57,270
37.00	50.00	280S	MC28S82300000	9,67,860
45.00	60.00	280M	MC28M85300000	10,71,830
55.00	75.00	315S	MC31S81300000	13,92,990
75.00	100.00	315M	MC31M83300000	16,14,210
90.00	120.00	315M	MC31M85300000	18,13,600
110.00	150.00	315L	MC31L87300000	20,06,230
132.00	180.00	315L	MC31L89300000	23,49,620

750 rpm 8 Pole : Aluminium Construction				
KW	HP	Frame	Type	LP45
0.55	0.75	90S	MC09S81300000	31,150
0.75	1.00	90L	MC09L85300000	35,140
1.10	1.50	100L	MC10L81300000	42,310
1.50	2.00	100L	MC10L83300000	43,540
2.20	3.00	112M	MC11M83300000	62,510
3.70	5.00	132S	MC13S8G300000	98,430

Frames 71 to 132 are available with Aluminium body & Terminal Box on Top as standard feature.

Frames 90 to 132 can also be offered in Cast Iron body with Terminal Box position on Top / RHS / LHS.

Frame 160 is with Cast Iron Body & Terminal Box position on Top.

Frames 180 to 225 are with Cast Iron body & Terminal Box position on RHS. On request terminal box can be given on Top / LHS position.

Frames 250 and above are with Cast Iron body & Terminal Box position on Top. On request terminal box can be given with RHS / LHS position.

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	LP45
0.55	0.74	71	AL	2C071433AT000	22,350
0.72	0.97	80	CI	2C080433CT000	29,770
1.00	1.34	80	CI	2C080453CT000	30,210
1.40	1.88	90S	CI	2C095423CT000	39,000
2.00	2.68	90L	CI	2C09L4E3CT000	45,260
2.90	3.89	100L	CI	2C10L473CT000	55,460
4.00	5.36	100L	CI	2C10L4B3CT000	58,230
4.40	5.90	112M	CI	2C11M473CT000	71,370
4.70	6.30	112M	CI	2C11M4A3CT000	74,940
6.90	9.25	132S	CI	2C13S4K3CT000	99,690
9.50	12.73	132M	CI	2C13M4T3CT000	1,15,190
11.90	15.95	132M	CI	2C13M4H3CT000	1,60,690
13.20	17.69	160M	CI	2C16M4C3CT000	1,81,370
14.60	19.57	160M	CI	2C16M4K3CT000	1,84,480
20.00	26.81	160L	CI	2C16L4T3CT000	2,35,800
23.00	30.83	180M	CI	2C18M473CT000	3,05,950
28.00	37.53	180L	CI	2C18L483CT000	3,35,060
37.00	49.60	200L	CI	2C20L453CT000	4,42,310

1000 rpm 6 Pole					
KW	HP	Frame	MOC	Type	LP45
0.37	0.50	71	AL	2C071633AT000	24,760
0.50	0.67	80	CI	2C080613CT000	32,980
0.75	1.01	80	CI	2C080633CT000	33,750
1.00	1.34	90L	CI	2C09L6A3CT000	40,900
1.50	2.01	90L	CI	2C09L653CT000	42,940
2.20	2.95	100L	CI	2C10L6B3CT000	59,010
2.90	3.89	112M	CI	2C11M653CT000	66,980
3.90	5.23	112M	CI	2C11M6B3CT000	70,330
5.50	7.37	132S	CI	2C13S6G3CT000	1,03,850
7.40	9.92	132M	CI	2C13M6T3CT000	1,25,740
9.80	13.14	160M	CI	2C16M633CT000	1,83,630
12.20	16.35	160L	CI	2C16L663CT000	2,13,220
14.50	19.44	160L	CI	2C16L673CT000	2,25,890
20.00	26.81	180L	CI	2C18L633CT000	3,05,970
23.00	30.83	200L	CI	2C20L633CT000	3,98,840
28.00	37.53	200L	CI	2C20L653CT000	4,36,430

Frame 71 is in Aluminium Body with TB position TOP as standard

Frames 80 & above in Cast Iron Body with TB position TOP as standard

* 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 $\pm$ 10%, 50Hz $\pm$ 5% Combined Variation $\pm$ 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	LP45
1.10	1.50	100L	MP10L61300000	1,24,750
1.50	2.00	100L	MP10L62300000	1,31,790
2.40	3.20	112M	MP11M62300000	1,43,930
3.30	4.40	112M	MP11M64300000	1,48,280
4.00	5.30	132M	MP13M61300000	1,92,620
5.50	7.50	132M	MP13M66300000	2,30,700
7.00	9.40	160L	MP16L61300000	2,61,120
10.00	13.40	160L	MP16L65300000	3,17,400

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 $\pm$ 10%, 50Hz $\pm$ 5% Combined Variation $\pm$ 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	LP45
0.37	0.50	71	MB07143300000	26,320
0.55	0.75	71	MB07143300001	28,850
0.75	1.00	80	MB08041300001	37,030
1.10	1.50	80	MB08043300001	37,480
1.50	2.00	90S	MB09S43300001	45,540
2.20	3.00	90L	MB09L45300001	49,370
3.70	5.00	100L	MB10L45300001	69,420
5.50	7.50	112M	MB11M45300001	80,130
7.50	10.00	132S	MB13S4G300001	1,08,210
9.30	12.50	132M	MB13M4P300001	1,21,500

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	71	MB07163300001	31,180
0.55	0.75	80	MB08061300001	38,270
0.75	1.00	80	MB08063300001	40,630
1.10	1.50	90L	MB09L6A300001	52,430
1.50	2.00	90L	MB09L6S300001	55,420
2.20	3.00	100L	MB10L6S300001	71,410
3.70	5.00	112M	MB11M6S300001	82,270
5.50	7.50	132S	MB13S6G300001	1,10,960
7.50	10.00	132M	MB13M6T300001	1,23,000

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
0.75	1.00	90L	MB09L8S300001	46,790
1.10	1.50	100L	MB10L81300001	60,960
1.50	2.00	100L	MB10L83300001	65,420
2.20	3.00	112M	MB11M83300001	82,200
3.70	5.00	132S	MB13S8G300001	1,07,180

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

* 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 Integral Brake Motors

B3 construction, 3 Phase Integral Brake Motor, Suitable for mains supply 415V $\pm$ 10%, 50Hz $\pm$ 5% Combined Variation $\pm$ 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	LP45
0.37	0.50	71	2B0712A300000	30,690
0.55	0.75	71	2B07123300000	31,950
0.75	1.00	80	2B08021300000	35,860
1.10	1.50	80	2B08023300000	38,740
1.50	2.00	90S	2B09S24300000	49,730
2.20	3.00	90L	2B09L27300000	54,360
3.70	5.00	100L	2B10L23300000	71,930
5.50	7.50	132S	2B13S2G300000	1,14,330
7.50	10.00	132S	2B13S2N300000	1,28,240

1500 RPM, 4 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	71	2B07143300000	30,050
0.55	0.75	80	2B08043300000	36,220
0.75	1.00	80	2B08045300000	38,710
1.10	1.50	90S	2B09S42300000	47,270
1.50	2.00	90L	2B09L47300000	51,480
2.20	3.00	100L	2B10L47300000	70,600
3.70	5.00	112M	2B11M47300000	83,650
5.50	7.50	132S	2B13S4K300000	1,08,770
7.50	10.00	132M	2B13M4T300000	1,19,470

1000 RPM, 6 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	80	2B08061300000	36,750
0.55	0.75	80	2B08063300000	39,870
0.75	1.00	90S	2B09S63300000	47,150
1.10	1.50	90L	2B09L65300000	54,920
1.50	2.00	100L	2B10L63300000	68,920
2.20	3.00	112M	2B11M65300000	81,250
3.70	5.00	132S	2B13S6G300000	1,05,970
5.50	7.50	132M	2B13M6T300000	1,19,750

750 RPM, 8 Pole				
KW	HP	Frame	Type	LP45
0.37	0.50	90S	2B09S81300000	48,340
0.55	0.75	90L	2B09L85300000	54,210
0.75	1.00	100L	2B10L81300000	69,800
1.1	1.50	100L	2B10L83300000	73,720
1.5	2.00	112M	2B11M81300000	82,940
2.2	3.00	132S	2B13S8B300000	1,15,470

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

CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP45
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: 2,000/- Frame: 180 : Rs. 2,200/- Frame: 200 : Rs. 3,500/- Frame: 225 to 250 : Rs. 4,000/-; Frame: 280: 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/-; Fr 132: 2,500/-; Frame: 160 to 180: Rs. 3,000/- Fr: 200 to 250 : Rs. 5,000/- Frame: 280 : Rs. 10,000/-; Fr 315: 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/-; Fr: 225: 10,000/-; Fr 250: 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 LP45
1.05	Painting	
(a)	Paint Type	
(i)	For Safe Area Motors: Other than our std Acrylic Paint (For Safe Area Motors: Our std paint shade is RAL 5000 Acrylic Paint.)	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 test reports, in IE2 and IE3 Increased safety Exec motors for zone 22 in IE2 & IE3 (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 LP45
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	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/-
		Frame: 355 to 450 : Rs. 5,200/-
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 LP45
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	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/-
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 & 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: 45,000/-
(d)	WT Bearing: (-40°C to +150°C)	Frame: 71 to 132 : Rs. 800/- per bearing

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 LP45
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/- ; Fr 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 280 frame

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 LP45
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

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 LP45
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
	PESO Approved Thermistors	
(d)	For ATEX/IECEx motors 3nos PTC without controller for ATEX approved motors	Rs. 10,000/-
(e)	Thermistors 3nos: for Increased Safety Ex ec & Flame Proof Ex 'd' motors	Rs. 5,500/-
(f)	Thermistors 6nos: 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 (200 frame onwards) & Exec motors (250frame 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 (200 frame onwards) & Exec motors (250frame onwards):	
(a)	BTB: Simplex: It is a standard feature for DCCA motors.	Rs. 8,500/-
(b)	BTB: Duplex: 2 nos	Rs. 10,000/-

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 LP45
3.00	OTHER CHARGES		
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/-

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 LP45
3.00	OTHER CHARGES	
3.08	Additional running of motor at no load for 30min	Rs. 2,500/- per motor
3.09	Shaft voltage test	Rs. 2,000/- per motor
3.10	Dimensional Inspection	Upto Frame 132 : Rs. 2,000/- per motor Frame 160 and above : Rs. 3,000/- per motor
3.11	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

* 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.

LV Motors Product Range

Motors Conform to relevant Indian Standards IS/IEC 60034 series

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

Motor Type	Frame	Power (kW)	Polarity		Standard Technical Specifications
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
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	112 to 225	1.5 to 45	4		- Ambient: 50° C - Inverter Duty Winding - Duty: S1 - VPI: With Class H solvent less Resin - Mounting: B3, B5, B35, V1
Standard Flame Proof Ex'd' Motors	80 to 355	0.37 to 315	2, 4, 6, 8		
IE2 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
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)
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)
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
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
Slip Ring Motors	100 to 160	1.1 to 10	4, 6		- Ambient: 45° C - Duty: S3, S4, S5 - Mounting: B3
Textile Motors	100 to 160	1.1 to 15	4, 6, 8		- Ambient: 50° C - Duty: S1 - Mounting: B3, B5, B35
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

* Subject to confirmation from Bharat Bijlee

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

Optional Features		Applications
• 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
• 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
• 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
• 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
• 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
• 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
• 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
• Mounting: B35 • Non standard shaft diameter & extension*	• Non Standard Paint	Crane, Hoist, Lift, Material Handling
• Non Standard Voltage: upto 500V • Insulation: Class H	• Motors for Inverter Duty • Non Standard Paint • Low Vibration as per IS	Ginning, Textile Machinery
• Insulation: Class H • PTC Thermistor	• Insulated Bearing: 132 Frame onwards • Non Standard Paint	Cane Loading-Unloading Machine

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🔥 Works

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✕ Service Centre: Servo Motors



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