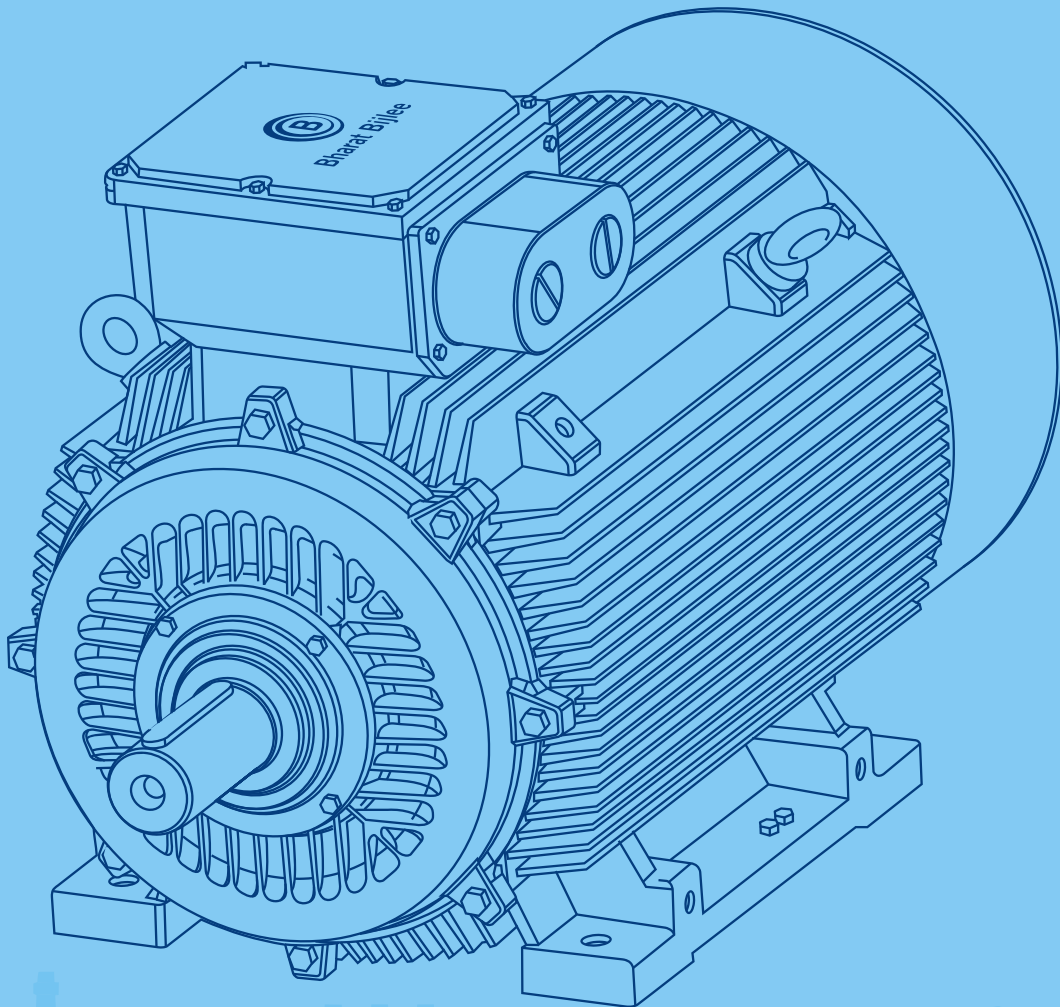
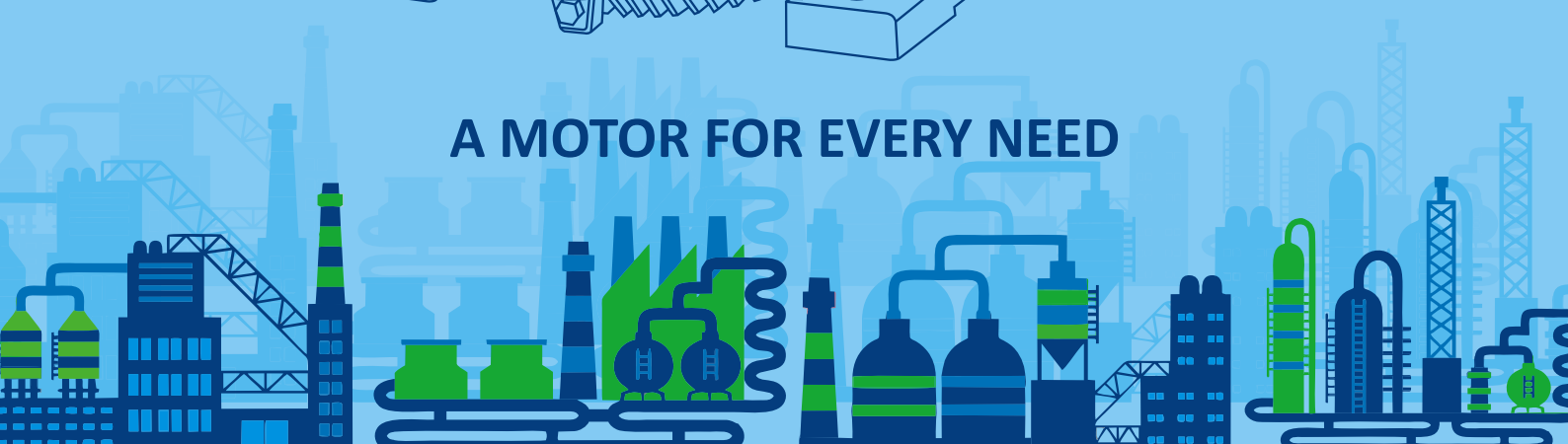


MOTORS PRICE LIST

LP42 w.e.f. 01st Aug 2021



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



Hazardous Area Motors

- Flame Proof Motors Ex(d) in IE2 & IE3 efficiencies
- Non-Sparking Motors Ex(nA) in IE2 efficiency
- ATEX Approved Flame Proof Motors Ex 'db' in IE2, IE3 & IE4 efficiencies

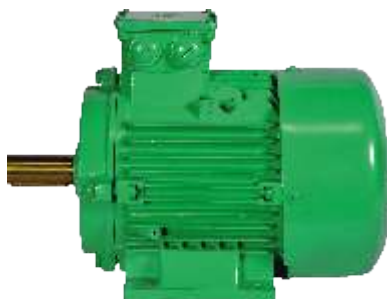


Special Purpose Motors

- Brake Motors
- Crane & Hoist Duty Motors
- Slip Ring Motors
- Cane Unloader Motors
- Textile Motors

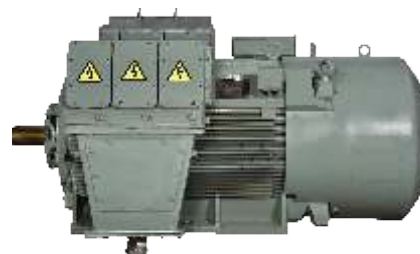


High Efficiency Large Frame Motors with DCCA



SynchroVERT®

IE4 Super Premium Efficiency Motors



MV Motors upto 1000 kW

- Safe Area Motors: upto 11kV
- Non Sparking Motors Ex(nA): upto 6.6kV

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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).

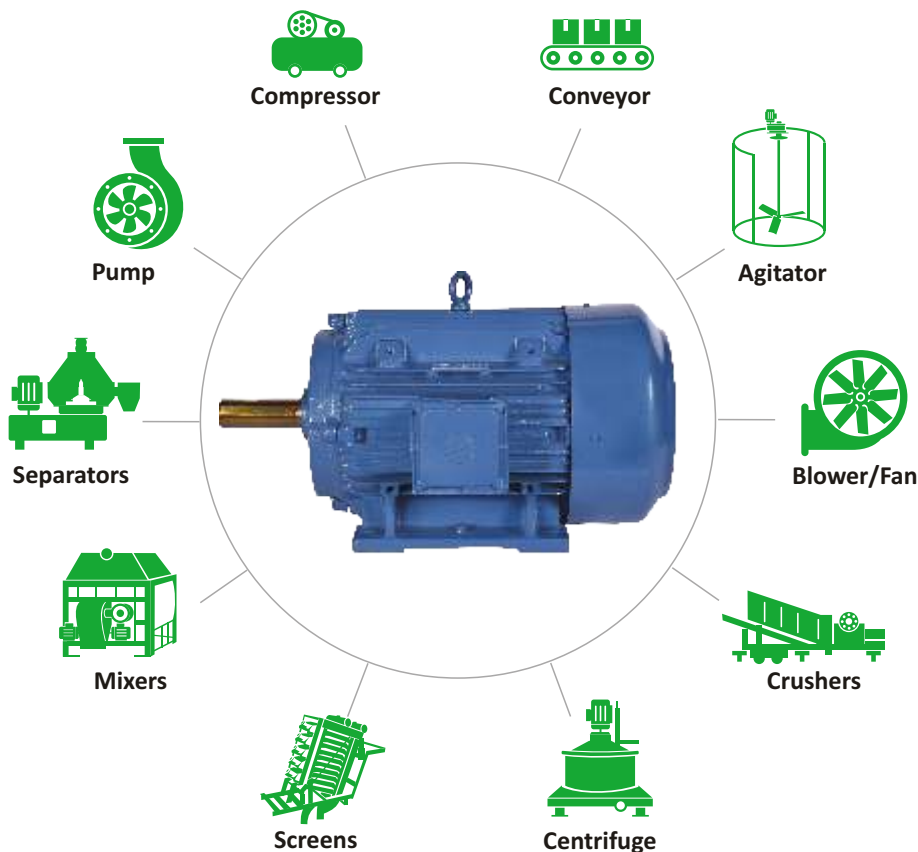


Suitable for extremely harsh and severe applications.



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 : LP42 w.e.f. 01st Aug 2021 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.

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	LP42
0.75	1.00	80	2H080213CT000	21,150
1.10	1.50	80	2H080233CT000	22,960
1.50	2.00	90S	2H09S243CT000	26,420
2.20	3.00	90L	2H09L273CT000	33,810
3.70	5.00	100L	2H10L233CT000	43,940
5.50	7.50	132S	2H13S2G3CT000	74,720
7.50	10.00	132S	2H13S2N3CT000	81,300
9.30	12.50	160M	2H16M233CT000	1,30,780
11.00	15.00	160M	2H16M253CT000	1,44,460
15.00	20.00	160M	2H16M263CT000	1,48,510
18.50	25.00	160L	2H16L293CT000	1,90,830
22.00	30.00	180M	2H18M233CT000	2,21,800
30.00	40.00	200L	2H20L2A3CT000	3,11,530
37.00	50.00	200L	2H20L273CT000	3,78,810
45.00	60.00	225M	2H22M253CT000	4,87,460
55.00	75.00	250M	2H25M233CT000	6,56,310
75.00	100.00	280S	2H28S23300000	8,55,390
90.00	120.00	280M	2H28M25300000	9,88,810
110.00	150.00	315S	2H31S23300000	12,44,600
125.00	170.00	315M	2H31M2A300000	14,99,520
132.00	180.00	315M	2H31M23300000	15,01,650
150.00	200.00	315L	2H31L2A300000	16,43,120
160.00	215.00	315L	2H31L25300000	16,44,850
180.00	240.00	315L	2H31L2B300000	17,31,700
200.00	270.00	355L	2H35L2A300000	19,44,380
250.0	335.00	355L	2H35L21300000	22,15,350
315.0	425.00	355L	2H35L23300000	24,43,760

1500 rpm 4 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.55	0.75	80	2H080433CT000	21,110
0.75	1.00	80	2H080453CT000	21,450
1.10	1.50	90S	2H09S423CT000	27,700
1.50	2.00	90L	2H09L473CT000	32,140
2.20	3.00	100L	2H10L473CT000	38,250
3.70	5.00	112M	2H11M473CT000	50,690
5.50	7.50	132S	2H13S4K3CT000	70,450
7.50	10.00	132M	2H13M4T3CT000	79,570
9.30	12.50	160M	2H16M4C3CT000	1,34,380
11.00	15.00	160M	2H16M4K3CT000	1,32,850
15.00	20.00	160L	2H16L4T3CT000	1,67,470
18.50	25.00	180M	2H18M473CT000	2,21,650
22.00	30.00	180L	2H18L483CT000	2,42,750
30.00	40.00	200L	2H20L453CT000	3,21,030
37.00	50.00	225S	2H22S433CT000	3,59,390
45.00	60.00	225M	2H22M453CT000	4,35,070
55.00	75.00	250M	2H25M433CT000	5,97,770
75.00	100.00	280S	2H28S423CT000	7,60,930
90.00	120.00	280M	2H28M453CT000	8,86,340
110.00	150.00	315S	2H31S413CT000	10,97,990
125.00	170.00	315M	2H31M4A3CT000	12,51,410
132.00	180.00	315M	2H31M433CT000	12,87,400
150.00	200.00	315L	2H31L4A3CT000	14,30,330
160.00	215.00	315L	2H31L453CT000	15,09,600
180.00	240.00	315L	2H31L463CT000	16,06,480
200.00	270.00	315L	2H31L473CT000	17,52,710
250.00	335.00	355L	2H35L41300000	22,36,470
315.00	425.00	355L	2H35L43300000	26,24,520
355.00	475.00	355L	2H35L45300000	30,50,600

3000 rpm 2 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.12	0.16	56	2H056235AT000	11,610
0.18	0.24	63	2H063213AT000	13,410
0.25	0.33	63	2H063233AT000	13,810
0.37	0.50	71	2H0712A3AT000	15,690
0.55	0.75	71	2H071233AT000	20,360
0.75	1.00	80	2H080213AT000	20,960
1.10	1.50	80	2H080233AT000	22,870
1.50	2.00	90S	2H09S243AT000	26,230
2.20	3.00	90L	2H09L273AT000	33,660
3.70	5.00	100L	2H10L233AT000	41,820
5.50	7.50	132S	2H13S2G3AT000	71,130
7.50	10.00	132S	2H13S2N3AT000	77,400

1500 rpm 4 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.12	0.16	63	2H063413AT000	12,690
0.18	0.25	63	2H063433AT000	14,340
0.25	0.33	71	2H0714A3AT000	14,540
0.37	0.50	71	2H071433AT000	16,070
0.55	0.75	80	2H080433AT000	21,000
0.75	1.00	80	2H080453AT000	21,350
1.10	1.50	90S	2H09S423AT000	26,330
1.50	2.00	90L	2H09L473AT000	31,990
2.20	3.00	100L	2H10L473AT000	38,080
3.70	5.00	112M	2H11M473AT000	48,200
5.50	7.50	132S	2H13S4K3AT000	67,050
7.50	10.00	132M	2H13M4T3AT000	79,200

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.

* 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.

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.

1000 rpm 6 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.37	0.50	80	2H080613CT000	22,970
0.55	0.75	80	2H080633CT000	23,580
0.75	1.00	90S	2H09S633CT000	26,550
1.10	1.50	90L	2H09L653CT000	29,090
1.50	2.00	100L	2H10L633CT000	41,910
2.20	3.00	112M	2H11M653CT000	46,360
3.70	5.00	132S	2H13S6G3CT000	72,660
5.50	7.50	132M	2H13M6T3CT000	86,970
7.50	10.00	160M	2H16M633CT000	1,30,420
9.30	12.50	160L	2H16L663CT000	1,44,670
11.00	15.00	160L	2H16L673CT000	1,60,430
15.00	20.00	180L	2H18L633CT000	2,16,910
18.50	25.00	200L	2H20L633CT000	2,96,530
22.00	30.00	200L	2H20L653CT000	3,33,850
30.00	40.00	225M	2H22M643CT000	4,56,360
37.00	50.00	250M	2H25M633CT000	6,13,630
45.00	60.00	280S	2H28S613CT000	7,68,460
55.00	75.00	280M	2H28M633CT000	8,82,920
75.00	100.00	315S	2H31S613CT000	10,31,490
90.00	120.00	315M	2H31M633CT000	12,90,780
110.00	150.00	315M	2H31M653CT000	14,38,390
125.00	170.00	315L	2H31L6A3CT000	16,38,840
132.00	180.00	315L	2H31L673CT000	16,79,820
150.00	200.00	315L	2H31L6B3CT000	17,05,090
160.00	215.00	315L	2H31L693CT000	18,28,650
180.00	240.00	355L	2H35L6A300000	20,25,060
200.00	270.00	355L	2H35L61300000	21,68,920
250.00	335.00	355L	2H35L63300000	23,85,430

1000 rpm 6 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.37	0.50	80	2H080613AT000	22,870
0.55	0.75	80	2H080633AT000	23,460
0.75	1.00	90S	2H09S633AT000	26,400
1.10	1.50	90L	2H09L653AT000	29,000
1.50	2.00	100L	2H10L633AT000	41,650
2.20	3.00	112M	2H11M653AT000	44,460
3.70	5.00	132S	2H13S6G3AT000	69,170
5.50	7.50	132M	2H13M6T3AT000	85,070

750 rpm 8 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.18	0.25	80	2H080813CT000	23,520
0.25	0.33	80	2H080833CT000	26,060
0.37	0.5	90S	2H09S813CT000	27,940
0.55	0.75	90L	2H09L853CT000	30,610
0.75	1	100L	2H10L813CT000	37,600
1.1	1.5	100L	2H10L833CT000	45,740
1.5	2	112M	2H11M813CT000	53,000
2.2	3	132S	2H13S8B3CT000	70,170
3.7	5	160M	2H16M813CT000	1,14,190
5.5	7.5	160M	2H16M833CT000	1,39,030
7.5	10	160L	2H16L863CT000	1,72,960
9.3	12.5	180M	2H18M833CT000	2,32,660
11	15	180L	2H18L873CT000	2,45,360
15	20	200L	2H20L843CT000	3,31,140
18.5	25	225S	2H22S823CT000	4,24,900
22	30	225M	2H22M833CT000	5,10,620
30	40	250M	2H25M813CT000	6,89,470
37	50	280S	2H28S823CT000	8,99,100
45	60	280M	2H28M853CT000	9,66,680

750 rpm 8 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.12	0.16	71	2H071833AT000	19,450
0.18	0.25	80	2H080813AT000	22,570
0.25	0.33	80	2H080833AT000	25,020
0.37	0.5	90S	2H09S813AT000	27,110
0.55	0.75	90L	2H09L853AT000	29,790
0.75	1	100L	2H10L813AT000	35,590
1.1	1.5	100L	2H10L833AT000	43,220
1.5	2	112M	2H11M813AT000	50,670
2.2	3	132S	2H13S8B3AT000	69,200



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 and levies. GST, other taxes and 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	LP42
9.3	11	160M	2H16M233CT0V0	1,19,380
11	15	160M	2H16M253CT0V0	1,51,630
15	20	160M	2H16M263CT0V0	1,55,970
22	30	180M	2H18M233CT0V0	2,33,110
30	40	200L	2H20L2A3CT0V0	3,27,120

1500 rpm 4 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
9.3	11	160M	2H16M4C3CT0V0	1,16,130
11	15	160M	2H16M4K3CT0V0	1,39,550
15	20	160L	2H16L4T3CT0V0	1,76,150
22	30	180L	2H18L483CT0V0	2,55,190
30	40	200L	2H20L453CT0V0	3,37,770

3000 rpm 2 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.37	0.5	71	2H0712A3AT0V0	16,450
0.55	0.75	71	2H071233AT0V0	21,390
0.75	1	80	2H080213AT0V0	22,060
1.1	1.5	80	2H080233AT0V0	24,050
1.5	2	90S	2H09S243AT0V0	27,530
2.2	3	90L	2H09L273AT0V0	35,420
3.7	5	100L	2H10L233AT0V0	43,810
5.5	7.5	132S	2H13S2G3AT0V0	74,790
7.5	10	132S	2H13S2N3AT0V0	81,310

1500 rpm 4 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.55	0.75	80	2H080433AT0V0	22,080
0.75	1	80	2H080453AT0V0	22,410
1.1	1.5	90S	2H09S423AT0V0	27,670
1.5	2	90L	2H09L473AT0V0	33,630
2.2	3	100L	2H10L473AT0V0	39,930
3.7	5	112M	2H11M473AT0V0	50,590
5.5	7.5	132S	2H13S4K3AT0V0	70,510
7.5	10	132M	2H13M4T3AT0V0	83,140

1000 rpm 6 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
7.5	10	160M	2H16M633CT0V0	1,36,960
11	15	160L	2H16L673CT0V0	1,68,760
15	20	180L	2H18L633CT0V0	2,27,890
22	30	200L	2H20L653CT0V0	3,51,180
30	40	225M	2H22M643CT0V0	4,79,300

1000 rpm 6 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.37	0.5	80	2H080613AT0V0	24,060
0.55	0.75	80	2H080633AT0V0	24,690
0.75	1	90S	2H09S633AT0V0	27,720
1.1	1.5	90L	2H09L653AT0V0	30,420
1.5	2	100L	2H10L633AT0V0	43,780
2.2	3	112M	2H11M653AT0V0	46,670
3.7	5	132S	2H13S6G3AT0V0	72,640
5.5	7.5	132M	2H13M6T3AT0V0	89,290

Frames 71 to 132 are with Aluminium body with Terminal Box position as Top only.

Frames 80 to 132 can be offered in Cast Iron construction with Terminal Box on Top as standard. TB 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.

On VFD supply, temperature rise will be class 'B' at load BkW and class 'F' at rated kW.

* 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.

IE3 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, Ambient Temperature 50° C, Duty S1, Method of Cooling: Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034 & IS: 12615

3000 rpm 2 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.75	1.00	80	3H0802B3CT000	24,250
1.10	1.50	80	3H0802E3CT000	26,420
1.50	2.00	90S	3H09S2B3CT000	30,350
2.20	3.00	90L	3H09L2E3CT000	38,860
3.70	5.00	100L	3H10L2B3CT000	52,130
5.50	7.50	132S	3H13S2C3CT000	81,000
7.50	10.00	132S	3H13S2H3CT000	83,720
9.30	12.50	160M	3H16M2B3CT000	1,37,340
11.00	15.00	160M	3H16M2E3CT000	1,42,280
15.00	20.00	160M	3H16M2H3CT000	1,66,830
18.50	25.00	160L	3H16L2M3CT000	2,14,330
22.00	30.00	180M	3H18M2B3CT000	2,46,030
30.00	40.00	200L	3H20L2B3CT000	3,72,920
37.00	50.00	200L	3H20L2E3CT000	4,25,470
45.00	60.00	225M	3H22M2B3CT000	5,47,670
55.00	75.00	250M	3H25M2E3CT000	7,36,500
75.00	100.00	280S	3H28S2E3CT000	9,62,220
90.00	120.00	280M	3H28M2H3CT000	11,10,430
110.00	150.00	315S	3H31S2E3CT000	13,41,910
132.00	180.00	315L	3H31L2H3CT000	Refer Sales Office
150.00	200.00	315L	3H31L2K3CT000	Refer Sales Office
160.00	215.00	315L	3H31L2M3CT000	Refer Sales Office
180.00	240.00	355L	3H35L2A3CT000	19,24,940
200.00	270.00	355L	3H35L2B3CT000	21,06,030
225.00	335.00	355L	3H35L2C3CT000	23,40,670
250.00	335.00	355L	3H35L2E3CT000	24,68,630
280.00	375.00	355L	3H35L2G3CT000	26,60,940

1500 rpm 4 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.55	0.75	80	3H0804B3CT000	24,310
0.75	1.00	80	3H0804E3CT000	24,660
1.10	1.50	90S	3H09S4B3CT000	31,740
1.50	2.00	90L	3H09L4E3CT000	36,940
2.20	3.00	100L	3H10L4B3CT000	44,170
3.70	5.00	112M	3H11M4B3CT000	55,790
5.50	7.50	132S	3H13S4C3CT000	80,830
7.50	10.00	132M	3H13M4H3CT000	95,640
9.30	12.50	160M	3H16M4E3CT000	1,49,180
11.00	15.00	160M	3H16M4H3CT000	1,54,260
15.00	20.00	160L	3H16L4M3CT000	1,88,050
18.50	25.00	180M	3H18M4B3CT000	2,38,460
22.00	30.00	180L	3H18L4E3CT000	2,60,920
30.00	40.00	200L	3H20L4B3CT000	3,51,950
37.00	50.00	225S	3H22S4B3CT000	4,29,190
45.00	60.00	225M	3H22M4E3CT000	5,10,960
55.00	75.00	250M	3H25M4B3CT000	6,71,940
75.00	100.00	280S	3H28S4B3CT000X	8,53,850
90.00	120.00	280M	3H28M4H3CT000X	9,95,460
110.00	150.00	315S	3H31S4G3CT000	12,05,860
132.00	180.00	315M	3H31M4K3CT000	13,52,150
160.00	215.00	315L	3H31L4P3CT000	17,84,900
200.00	270.00	315L	3H31L4W3CT000	20,12,230
225.00	300.00	355L	3H35L4B3CT000	23,75,150
250.00	335.00	355L	3H35L4E3CT000	25,32,980
315.00	422.00	355L	3H35L4H3CT000	28,80,760

3000 rpm 2 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.12	0.16	56	3H056235AT000	14,360
0.18	0.24	63	3H063213AT000	15,800
0.25	0.33	63	3H063233AT000	16,640
0.37	0.5	71	3H071233AT000	17,970
0.55	0.75	71	3H071253AT000	23,320
0.75	1.00	80	3H0802B3AT000	24,100
1.10	1.50	80	3H0802E3AT000	26,310
1.50	2.00	90S	3H09S2B3AT000	30,120
2.20	3.00	90L	3H09L2E3AT000	38,700
3.70	5.00	100L	3H10L2B3AT000	49,640
5.50	7.50	132S	3H13S2C3AT000	78,470
7.50	10.00	132S	3H13S2H3AT000	81,140

1500 rpm 4 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.25	0.33	71	3H071453AT000	16,530
0.37	0.5	71	3H071463AT000	18,470
0.55	0.75	80	3H0804B3AT000	24,220
0.75	1.00	80	3H0804E3AT000	24,550
1.10	1.50	90S	3H09S4B3AT000	30,230
1.50	2.00	90L	3H09L4E3AT000	36,830
2.20	3.00	100L	3H10L4B3AT000	43,820
3.70	5.00	112M	3H11M4B3AT000	55,490
5.50	7.50	132S	3H13S4C3AT000	76,970
7.50	10.00	132M	3H13M4H3AT000	91,090

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.

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

* 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.

IE3 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, Ambient Temperature 50° C, Duty S1, Method of Cooling: Totally Enclosed Fan Cooled, Conforms to IS/IEC 60034 & IS: 12615

1000 rpm 6 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.37	0.50	80	3H0806B3CT000	26,350
0.55	0.75	80	3H0806E3CT000	27,120
0.75	1.00	90S	3H09S6B3CT000	31,970
1.10	1.50	90L	3H09L6E3CT000	34,990
1.50	2.00	100L	3H10L6B3CT000	53,710
2.20	3.00	112M	3H11M6B3CT000	56,670
3.70	5.00	132S	3H13S6C3CT000	83,560
5.50	7.50	132M	3H13M6H3CT000	1,02,690
7.50	10.00	160M	3H16M6B3CT000	1,46,430
9.30	12.50	160L	3H16L6E3CT000	1,59,560
11.00	15.00	160L	3H16L6H3CT000	1,80,200
15.00	20.00	180L	3H18L6B3CT000	2,54,660
18.50	25.00	200L	3H20L6B3CT000	3,33,270
22.00	30.00	200L	3H20L6E3CT000	3,66,320
30.00	40.00	225M	3H22M6B3CT000	5,12,140
37.00	50.00	250M	3H25M6B3CT000	6,89,790
45.00	60.00	280S	3H28S6B3CT000	8,62,890
55.00	75.00	280M	3H28M6E3CT000	9,90,690
75.00	100.00	315S	3H31S6B3CT000	11,32,010
90.00	120.00	315M	3H31M6E3CT000	14,15,680
110.00	150.00	315M	3H31M6H3CT000	15,76,950
132.00	180.00	315L	3H31L6M3CT000	18,46,420
160.00	215.00	355L	3H35L6B3CT000	20,02,570
180.00	240.00	355L	3H35L6C3CT000	24,55,530
200.00	270.00	355L	3H35L6E3CT000	25,72,370
250.00	335.00	355L	3H35L643CT000	28,16,980

1000 rpm 6 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.37	0.50	80	3H0806B3AT000	26,290
0.55	0.75	80	3H0806E3AT000	26,930
0.75	1.00	90S	3H09S6B3AT000	30,370
1.10	1.50	90L	3H09L6E3AT000	33,290
1.50	2.00	100L	3H10L6B3AT000	51,140
2.20	3.00	112M	3H11M6B3AT000	54,020
3.70	5.00	132S	3H13S6C3AT000	79,580
5.50	7.50	132M	3H13M6H3AT000	97,700

750 rpm 8 pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
0.18	0.25	80	3H080813CT000	26,900
0.25	0.33	80	3H080833CT000	32,110
0.37	0.5	90S	3H09S853CT000	32,160
0.55	0.75	90L	3H09L863CT000	35,220
0.75	1	100L	3H10L833CT000	43,320
1.10	1.5	100L	3H10L853CT000	52,640
1.50	2	112M	3H11M833CT000	60,920
2.20	3	132S	3H13S8B3CT000	80,680
3.70	5	160M	3H16M823CT000	1,25,450
5.50	7.5	160M	3H16M843CT000	1,91,570
7.50	10	160L	3H16L883CT000	1,98,720
9.30	12.5	180M	3H18M873CT000	2,67,470
11.00	15	180L	3H18L893CT000	2,82,090
15.00	20	200L	3H20L853CT000	3,81,220
18.50	25	225S	3H22S823CT000	4,89,010
22.00	30	225M	3H22M833CT000	5,87,900
30.00	40	250M	3H25M813CT000	7,93,790
37.00	50	280S	3H28S823CT000	10,35,160
45.00	60	280M	3H28M853CT000	11,12,120

750 rpm 8 pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.12	0.16	71	3H071833AT000	22,280
0.18	0.25	80	3H080813AT000	27,810
0.25	0.33	80	3H080833AT000	30,820
0.37	0.5	90S	3H09S853AT000	31,240
0.55	0.75	90L	3H09L863AT000	34,150
0.75	1	100L	3H10L833AT000	38,880
1.10	1.5	100L	3H10L853AT000	47,270
1.50	2	112M	3H11M833AT000	57,600
2.20	3	132S	3H13S8B3AT000	80,250



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.

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

* 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.

FLP MOTORS: STANDARD RANGE

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	LP42
0.37	0.50	80	MD0802A300000	35,930
0.55	0.75	80	MD0802B300000	39,940
0.75	1.00	80	MD08021300000	41,180
1.1	1.50	80	MD08023300000	46,190
1.5	2.00	90 L	MD09L23300000	47,330
2.2	3.00	90 L	MD09L25300000	64,250
3.7	5.00	100L	MD10L21300000	81,940
5.5	7.50	132S	MD13S2B300000	1,15,590
7.5	10.00	132S	MD13S2E300000	1,28,480
9.3	12.50	132M	MD13M2N300000	1,88,640
11	15.00	160M	MD16M21300000	2,41,930
15	20.00	160M	MD16M25300000	2,73,680
18.5	25.00	160L	MD16L27300000	3,09,830
22	30.00	180L	MD18L21300000	3,69,010
30	40.00	200L	MD20L23300000	4,98,100
37	50.00	200L	MD20L25300000	6,43,650
45	60.00	225M	MD22M23300000	8,16,520
55	75.00	250M	MD25M21300000	10,23,900
75	100.00	280S	MD28S21300000	12,34,140
90	120.00	280M	MD28M23300000	13,29,470

1500 rpm 4 Pole				
kW	HP	Frame	Type	LP42
0.37	0.50	80	MD0804A300000	35,560
0.55	0.75	80	MD08041300000	38,840
0.75	1.00	80	MD08043300000	40,380
1.1	1.50	90 L	MD09L43300000	46,620
1.5	2.00	90 L	MD09L45300000	50,480
2.2	3.00	100L	MD10L43300000	64,450
3.7	5.00	112M	MD11M43300000	80,810
5.5	7.50	132S	MD13S4B300000	1,10,870
7.5	10.00	132M	MD13M4K300000	1,26,140
9.3	12.50	160M	MD16M4A300000	1,90,010
11	15.00	160M	MD16M4C300000	2,05,030
15	20.00	160L	MD16L4K300000	2,49,210
18.5	25.00	180L	MD18L43300000	2,83,460
22	30.00	180L	MD18L47300000	3,36,680
30	40.00	200L	MD20L43300000	4,51,220
37	50.00	225S	MD22S41300000	5,87,430
45	60.00	225M	MD22M43300000	7,43,500
55	75.00	250M	MD25M41300000	9,12,230
75	100.00	280S	MD28S41300000	11,17,290
90	120.00	280M	MD28M43300000	11,32,560

1000 rpm 6 Pole				
kW	HP	Frame	Type	LP42
0.37	0.50	80	MD08061300000	40,700
0.55	0.75	80	MD08063300000	41,970
0.75	1.00	90L	MD09L63300000	49,070
1.10	1.50	90L	MD09L65300000	51,390
1.50	2.00	100L	MD10L63300000	72,250
2.20	3.00	112M	MD11M63300000	84,920
3.70	5.00	132S	MD13S6B300000	1,11,970
5.50	7.50	132M	MD13M6N300000	1,35,690
7.50	10.00	160M	MD16M63300000	2,14,690
9.30	12.50	160L	MD16L66300000	2,49,630
11.00	15.00	160L	MD16L67300000	2,63,500
15.00	20.00	180L	MD18L61300000	3,46,130
18.50	25.00	200L	MD20L61300000	4,31,070
22.00	30.00	200L	MD20L63300000	4,66,950
30.00	40.00	225M	MD22M62300000	7,65,230
37.00	50.00	250M	MD25M60300000	9,40,290
45.00	60.00	280S	MD28S61300000	10,93,290
55.00	75.00	280M	MD28M63300000	11,76,630

750 rpm 8 Pole				
kW	HP	Frame	Type	LP41
0.37	0.50	90L	MD09L83300000	48,730
0.55	0.75	90L	MD09L85300000	52,680
0.75	1.00	100L	MD10L81300000	64,180
1.10	1.50	100L	MD10L83300000	73,960
1.50	2.00	112M	MD11M81300000	89,660
2.20	3.00	132S	MD13S8B300000	1,18,050
3.70	5.00	160M	MD16M81300000	1,89,240
5.50	7.50	160M	MD16M83300000	2,24,540
7.50	10.00	160L	MD16L87300000	2,73,960
9.30	12.50	180L	MD18L81300000	3,37,140
11.00	15.00	180L	MD18L83300000	3,65,210
15.00	20.00	200L	MD20L83300000	5,09,600
18.50	25.00	225S	MD22S81300000	6,34,130
22.00	30.00	225M	MD22M83300000	8,36,190
30.00	40.00	250M	MD25M81300000	10,25,320
37.00	50.00	280S	MD28S82300000	13,09,030
45.00	60.00	280M	MD28M85300000	13,43,520

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 and levies. GST, other taxes and 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	LP42
0.37	0.5	80	2J0802A300000	39,820
0.55	0.75	80	2J0802B300000	44,530
0.75	1	80	2J08021300000	45,880
1.1	1.5	80	2J08023300000	53,630
1.5	2	90L	2J09L24300000	54,890
2.2	3	90L	2J09L27300000	71,650
3.7	5	100L	2J10L23300000	95,260
5.5	7.5	132S	2J13S2G300000	1,35,040
7.5	10	132S	2J13S2N300000	1,49,230
9.3	12.5	160M	2J16M23300000	2,69,280
11	15	160M	2J16M25300000	2,69,320
15	20	160M	2J16M26300000	2,96,850
18.5	25	160L	2J16L29300000	3,37,660
22	30	180L	2J18L23300000	4,00,430
30	40	200L	2J20L2A300000	5,38,440
37	50	200L	2J20L25300000	6,98,610
45	60	225M	2J22M25300000	8,86,710
55	75	250M	2J25M23300000	11,33,870
75	100	280M	2J28M23300000	13,94,980
90	120	280M	2J28M25300000	15,08,380
110	150	315S	2J31S23300000	16,70,380
125	170	315M	2J31M2A300000	19,53,150
132	180	315M	2J31M23300000	19,82,440
150	200	315L	2J31L2A300000	21,52,560
160	215	315L	2J31L25300000	22,47,580
180	240	315L	2J31L2B300000	26,94,700

1500 rpm 4 Pole				
kW	HP	Frame	Type	LP42
0.37	0.5	80	2J08041300000	39,120
0.55	0.75	80	2J08043300000	43,190
0.75	1	80	2J08045300000	44,900
1.1	1.5	90L	2J09L42300000	53,660
1.5	2	90L	2J09L47300000	58,250
2.2	3	100L	2J10L47300000	74,110
3.7	5	112M	2J11M47300000	93,760
5.5	7.5	132S	2J13S4K300000	1,28,880
7.5	10	132M	2J13M4T300000	1,46,940
9.3	12.5	160M	2J16M4C300000	2,32,290
11	15	160M	2J16M4K300000	2,32,600
15	20	160L	2J16L4T300000	2,82,750
18.5	25	180L	2J18L47300000	3,20,780
22	30	180L	2J18L48300000	3,81,340
30	40	200L	2J20L45300000	5,11,970
37	50	225S	2J22S43300000	6,36,730
45	60	225M	2J22M45300000	8,06,560
55	75	250M	2J25M43300000	10,32,780
75	100	280S	2J28S42300000	12,64,840
90	120	280M	2J28M45300000	12,90,880
110	150	315S	2J31S41300000	15,39,170
125	170	315M	2J31M4A300000	17,13,060
132	180	315M	2J31M43300000	18,65,640
150	200	315L	2J31L4A300000	18,46,570
160	215	315L	2J31L45300000	19,58,970
180	240	315L	2J31L46300000	23,44,980
200#	270	315L	2J31L47300000	26,70,760

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.
 # This rating is suitable for Ambient Temperature 40° C.

* 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.

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	LP42
0.37	0.5	80	2J08061300000	45,480
0.55	0.75	80	2J08063300000	48,860
0.75	1	90L	2J09L633000000	56,900
1.1	1.5	90L	2J09L653000000	58,590
1.5	2	100L	2J10L633000000	84,740
2.2	3	112M	2J11M653000000	98,490
3.7	5	132S	2J13S6G3000000	1,30,480
5.5	7.5	132M	2J13M6T3000000	1,58,140
7.5	10	160M	2J16M633000000	2,50,270
9.3	12.5	160L	2J16L663000000	2,81,670
11	15	160L	2J16L673000000	2,93,270
15	20	180L	2J18L633000000	3,92,130
18.5	25	200L	2J20L633000000	4,87,880
22	30	200L	2J20L653000000	5,29,230
30	40	225M	2J22M643000000	8,30,070
37	50	250M	2J25M633000000	10,65,570
45	60	280S	2J28S613000000	12,37,560
55	75	280M	2J28M633000000	13,34,830
75	100	315S	2J31S613000000	15,65,270
90	120	315M	2J31M633000000	18,35,500
110	150	315M	2J31M653000000	20,12,340
125	170	315L	2J31L6A3000000	22,88,420
132	180	315L	2J31L673000000	24,39,280
150	200	315L	2J31L6B3000000	25,53,030
160	215	315L	2J31L693000000	29,40,340

750 rpm 8 pole				
kW	HP	Frame	Type	LP42
0.37	0.5	90L	2J09L833000000	54,610
0.55	0.75	90L	2J09L853000000	59,120
0.75	1	100L	2J10L813000000	71,520
1.1	1.5	100L	2J10L833000000	83,030
1.5	2	112M	2J11M813000000	99,720
2.2	3	132S	2J13S8B3000000	1,31,940
3.7	5	160M	2J16M813000000	2,13,260
5.5	7.5	160M	2J16M833000000	2,50,330
7.5	10	160L	2J16L863000000	3,05,220
9.3	12.5	180L	2J18L833000000	3,88,480
15	20	200L	2J20L843000000	5,53,160
18.5	25	225S	2J22S823000000	6,86,730
22	30	225M	2J22M833000000	9,03,820
30	40	250M	2J25M813000000	11,10,040
37	50	280S	2J28S823000000	14,24,470
45	60	280M	2J28M853000000	14,54,460



All motors are with Terminal Box position on top as a standard feature
 On request frames 112 and 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 and levies. GST, other taxes and 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	LP42
0.37	0.5	80	3J0802A300000	42,560
0.55	0.75	80	3J08021300000	47,630
0.75	1	80	3J08023300000	49,020
1.1	1.5	90L	3J09L24300000	57,320
1.5	2	90L	3J09L2B300000	58,620
2.2	3	90L	3J09L2E300000	76,590
3.7	5	100L	3J10L2B300000	97,330
5.5	7.5	132S	3J13S2C300000	1,44,250
7.5	10	132S	3J13S2H300000	1,59,540
9.3	12.5	160M	3J16M2B300000	2,82,930
11	15	160M	3J16M2E300000	2,82,570
15	20	160M	3J16M2H300000	3,17,290
18.5	25	160L	3J16L2M300000	3,60,550
22	30	200L	3J20L25300000	4,27,450
30	40	225M	3J22M23300000	6,02,480
37	50	225M	3J22M25300000	7,45,860
45	60	250M	3J25M21300000	9,46,710
55	75	280S	3J28S2A300000	12,11,650
75	100	280S	3J28S2E300000	14,90,980
90	120	280M	3J28M2H300000	15,39,130

1500 rpm 4 pole				
kW	HP	Frame	Type	LP42
0.37	0.5	80	3J08043300000	41,910
0.55	0.75	80	3J08045300000	46,170
0.75	1	90L	3J09L42300000	48,010
1.1	1.5	90L	3J09L4B300000	55,540
1.5	2	90L	3J09L4E300000	62,300
2.2	3	100L	3J10L4B300000	79,120
3.7	5	112M	3J11M4B300000	1,00,270
5.5	7.5	132S	3J13S4C300000	1,37,830
7.5	10	132M	3J13M4H300000	1,57,070
9.3	12.5	160M	3J16M4E300000	2,37,880
11	15	160M	3J16M4H300000	2,48,620
15	20	160L	3J16L4M300000	3,01,660
18.5	25	200L	3J20L4A300000	3,44,300
22	30	200L	3J20L43300000	4,07,790
30	40	225M	3J22M43300000	5,46,920
37	50	250M	3J25M4A300000	7,12,880
45	60	250M	3J25M41300000	9,00,180
55	75	280S	3J28S42300000	11,04,300
75	100	280S	3J28S4B300000	13,54,130
90	120	280M	3J28M4H300000	13,78,010

All motors are with Terminal Box position on top as a standard feature
 On request frames 112 and 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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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.

1000 rpm 6 pole				
kW	HP	Frame	Type	LP42
0.37	0.5	80	3J08063300000	48,540
0.55	0.75	90L	3J09L63300000	49,950
0.75	1	90L	3J09L6B300000	60,770
1.1	1.5	90L	3J09L6E300000	62,520
1.5	2	100L	3J10L6B300000	90,490
2.2	3	112M	3J11M6B300000	1,05,340
3.7	5	132S	3J13S6C300000	1,39,340
5.5	7.5	132M	3J13M6H300000	1,68,990
7.5	10	160M	3J16M6B300000	2,55,710
9.3	12.5	160L	3J16L6E300000	2,99,310
11	15	160L	3J16L6H300000	3,13,040
15	20	200L	3J20L63300000	4,01,400
18.5	25	200L	3J20L65300000	4,97,860
22	30	225M	3J22M62300000	5,40,150
30	40	250M	3J25M60300000	8,85,560
37	50	250M	3J25M6B300000	11,38,810
45	60	280S	3J28S6B300000	13,22,500
55	75	280M	3J28M6E300000	14,25,240

750 rpm 8 pole				
kW	HP	Frame	Type	LP42
0.37	0.5	90L	3J09L85300000	69,680
0.55	0.75	90L	3J09L86300000	71,550
0.75	1	100L	3J10L83300000	88,900
1.1	1.5	100L	3J10L85300000	92,150
1.5	2	112M	3J11M83300000	1,09,610
2.2	3	132S	3J13S8B300000	1,45,550
3.7	5	160M	3J16M82300000	2,33,500
5.5	7.5	160M	3J16M84300000	2,85,150
7.5	10	160L	3J16L88300000	3,28,360

All motors are with Terminal Box position on top as a standard feature
 On request frames 112 and 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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CRANE & HOIST DUTY MOTORS

Foot mounted (B3 construction) 3 Phase Squirrel Cage Induction Motors suitable to operate on DOL supply: 415V $\pm 10\%$, 50Hz $\pm 5\%$

Combined Variation $\pm 10\%$, Insulation Class F, Degree of Protection IP55, Ambient Temperature 45° C,

Method of Cooling: Totally Enclosed Fan Cooled, S4 Duty , 40% CDF, 150 Starts / Stops per hour, conforms to IS/IEC 60034

1500 rpm 4 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
11.00	15.00	160M	MC16M4A300000	1,04,270
15.00	20.00	160M	MC16M4F300000	1,14,730
18.50	25.00	160L	MC16L4P300000	1,33,350
22.00	30.00	180L	MC18L47300000	1,91,860
30.00	40.00	200L	MC20L43300000	2,73,000
37.00	50.00	225S	MC22S41300000	3,21,240
45.00	60.00	225M	MC22M43300000	4,21,490
55.00	75.00	250M	MC25M41300000	5,77,520
75.00	100.00	280S	MC28S41300000	7,11,840
90.00	120.00	280M	MC28M43300000	7,94,150
110.00	150.00	315S	MC31S41300000	10,70,000
132.00	160.00	315M	MC31M43300000	11,84,900
160.00	215.00	315L	MC31L45300000	14,18,810
180.00	250.00	315L	MC31L46300000	14,96,250
200.00	270.00	315L	MC31L47300000	15,23,630

1500 rpm 4 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.55	0.75	71	MC07143300000	18,620
0.75	1.00	80	MC08041300000	20,700
1.10	1.50	80	MC08043300000	21,710
1.50	2.00	90S	MC09S43300000	22,840
2.20	3.00	90L	MC09L45300000	25,000
3.70	5.00	100L	MC10L45300000	34,170
5.50	7.50	112M	MC11M45300000	41,900
7.50	10.00	132S	MC13S4G300000	60,430
9.30	12.50	132M	MC13M4P300000	68,850

750 rpm 8 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
5.5	7.5	160M	MC16M83300000	1,17,380
7.5	10	160L	MC16L87300000	1,50,540
9.3	12.5	180M	MC18M81300000	1,80,080
11	15	180L	MC18L83300000	2,11,980
15	20	200L	MC20L83300000	2,85,060
18.5	25	225S	MC22S81300000	3,62,230
22	30	225M	MC22M83300000	4,37,220
30	40	250M	MC25M81300000	5,87,940
37	50	280S	MC28S82300000	7,51,430
45	60	280M	MC28M85300000	8,32,160
55	75	315S	MC31S81300000	10,81,500
75	100	315M	MC31M83300000	12,53,260
90	120	315M	MC31M85300000	14,08,060
110	150	315L	MC31L87300000	15,57,620
132	180	315L	MC31L89300000	18,24,220

750 rpm 8 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP42
0.55	0.75	90S	MC09S81300000	24,190
0.75	1	90L	MC09L85300000	27,280
1.1	1.5	100L	MC10L81300000	32,840
1.5	2	100L	MC10L83300000	33,800
2.2	3	112M	MC11M83300000	51,410
3.7	5	132S	MC13S8G300000	80,960

1000 rpm 6 Pole: Cast Iron Construction				
kW	HP	Frame	Type	LP42
9.30	12.50	160M	MC16M63300000	1,11,840
11.00	15.00	160L	MC16L66300000	1,38,560
13.00	17.50	160L	MC16L67300000	1,57,120
17.00	23.00	180L	MC18L63300000	2,27,310
22.00	30.00	200L	MC20L63300000	2,64,200
30.00	40.00	225M	MC22M62300000	3,71,220
37.00	50.00	250M	MC25M60300000	5,36,140
45.00	60.00	280S	MC28S61300000	6,83,120
52.00	70.00	280M	MC28M63300000	7,74,960
70.00	95.00	315S	MC31S61300000	9,70,430
85.00	115.00	315M	MC31M63300000	11,97,640
102.00	135.00	315M	MC31M65300000	13,34,100
125.00	167.00	315L	MC31L67300000	15,49,920
150.00	200.00	315L	MC31L69300000	16,44,700

1000 rpm 6 Pole: Aluminium Construction				
kW	HP	Frame	Type	LP41
0.37	0.50	71	MC07163300000	18,590
0.55	0.75	80	MC08061300000	21,960
0.75	1.00	80	MC08063300000	22,780
1.10	1.50	90L	MC09L6A300000	23,860
1.50	2.00	90L	MC09L65300000	27,210
2.20	3.00	100L	MC10L65300000	35,570
3.70	5.00	112M	MC11M65300000	42,410
5.50	7.50	132S	MC13S6G300000	61,830
7.50	10.00	132M	MC13M6T300000	71,690



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

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

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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, conforms to IS/IEC 60034

1000 rpm 6 Pole				
kW	HP	Frame	Type	LP42
1.10	1.50	100L	MP10L61300000	94,630
1.50	2.00	100L	MP10L62300000	99,970
2.40	3.20	112M	MP11M62300000	1,09,180
3.30	4.40	112M	MP11M64300000	1,09,550
4.00	5.30	132M	MP13M61300000	1,46,120
5.50	7.50	132M	MP13M66300000	1,75,010
7.00	9.40	160L	MP16L61300000	1,98,080
10.00	13.40	160L	MP16L65300000	2,40,780



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

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
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 160 and above : 5%
1.02	Canopy	
(a)	Top plate cowl for V1 construction (90 frame onwards)	Frame 90 to 112 : Rs. 1000/-
		Frame 132 : Rs. 1800/-
		Frame 160 to 180 : Rs. 2200/-
		Frame 200 : Rs. 3500/-
		Frame 225 to 315 : Rs. 5000/-
(b)	FRP Canopy For Safe Area: 90 and above	Frame: 90 : Rs. 1600/-
		Frame: 100 to 112M : Rs. 2200/-
		Frame : 132 to 180 : Rs. 3000/-
		Frame : 200 to 280 : Rs. 5000/-
		Frame : 315 to 355 : Rs. 9000/-
(c)	FRP Canopy For Hazardous Area Motors: Frame 160 and above	Frame: 160 : Rs. 4000/-
		Frame: 180 : Rs. 5000/-
		Frame: 200 to 250 : Rs. 6000/-
		Frame: 280 to 315 : Rs. 9000/-
1.03	Shaft Extension / Material	
(a)	Single / double non std shaft, if dia or extn is less than or equal to standard	5%
(b)	Single / double non standard shaft extension with length restricted to 2.5 times standard	10%
(c)	Any other Diameter / Extension	Refer to Sales Office
(d)	En19, EN24 / EN57 material, 45C8	10%
(e)	Stainless Steel Shaft material (SS304, SS316, SS410, SS416)	15%
(f)	Other material (if any)	Refer to Sales Office
1.04	Water Flingers: Rubber Material	
(a)	Water Flingers: Rubber Material	Frame 90 to 132 : Rs. 300/-
		Frame 160 to 225 : Rs. 500/-
		Frame 250 and above : Rs. 1500/-
(b)	Water Flinger of other than rubber material	Refer to Sales Office

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
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. 5000/- If safe area motor is required with AAP, then standard shade will be 632
(ii)	For Hazardous Area Motors (Ex'd', Ex 'nA'): Other than Acid Alkali Proof Paint (For Hazardous Area Motors (Ex'd' & Ex'nA': Our standard paint type is Acid Alkali Proof with 632 shade)	5% subject to maximum of Rs. 5000/-
(b)	Paint Shade	
(i)	For Safe Area Motors: Other than RAL 5000	5% subject to maximum of Rs. 7000/-
(ii)	For Hazardous Area Motors (Ex'd', Ex 'nA'): Other than 632 shade	5% subject to maximum of Rs. 7000/-
(c)	Paint Thickness (for AAP type paint)	
(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 'nA' 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)	Non Sparking Motors (Type 'nA')	Rs. 750/- or 7.5% on the selected frame of IE2 safe area motor, whichever is higher
(b)	Flame proof motors for zone 21/22 area with CIMFR test reports (IP66 is a standard feature in motors for Zone 21 / 22 area)	25% over IE2 FLP LP; discount not applicable
(c)	FLP Ex 'd' Motors with ATEX approval	10%
1.08	Impregnation Schemes	
(a)	Inverter Grade Winding	Frame 63 to 280 : 8% Frame 315 and above : Nil
(b)	Only VPI	Frame 63 to 280 : 5% Frame 315 and above : Nil
(c)	Motors for Inverter Duty: 500 to 690V (Scheme III Insulation)	Refer to sales office

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
1.09	Forced Cooling (Fan with motor and Cowl)	Frame: 132 to 160 : Rs. 6000/-
		Frame : 180 to 200 : Rs. 10000/-
		Frame : 225 : Rs. 12000/-
		Frame: 250 to 280 : Rs. 18000/-
		Frame 315 : Rs. 27000/-
		Frame 355 : Rs. 32000/-
		Frame 400 to 450 : Rs. 52000/-
1.10	Provision for Encoder Mounting 132 frame onwards	Frame: 132 to 160 : Rs. 3000/-
		Frame 180 to 225 : Rs. 7500/-
		Frame 250 to 280 : Rs. 14000/-
		Frame 315 and 355 : Rs. 21000/-
1.11	Space Heater for Safe Area Motors :	Frame 90 to 160 : Rs. 2000/-
		Frame 180 : Rs. 3250/-
		Frame 200 to 280 : Rs. 3800/-
		Frame 315 and 355 : Rs. 4200/-
1.12	Space Heater for Non Sparking Ex 'nA' and FLP Ex 'd' motors Not for ATEX motors	Frame 71 to 80 : Rs. 2450/-
		Frame 90 to 112 : Rs. 3260/-
		Frame 132 : Rs. 3480/-
		Frame 160 to 200 : Rs. 3870/-
		Frame 225 to 280 : Rs. 5330/-
		Frame 315 to 355 : Rs. 7310/-
1.13	Space Heater for ATEX approved motors	Frame 80 to 225 : Rs. 8800/-
		Frame 250 to 280 : Rs. 22500/-
		Frame 315 : Rs. 25000/-
1.14	Sealing Box for FLP Motors Mandatorily to be considered for:	
	(a) Applications in Oil Mines & Coal Mines	Frame 90 to 132 : Rs. 1650/-
	(b) In FLP motors with space heater or thermistor till 180 frame	Frame 160 and above : Rs. 2200/-
1.15	Cable Glands: Safe Area	Price in Rupees Per Gland
		Frame: 56 to 71 : Rs. 1300/-
		Frame: 80 to 160 : Rs. 1500/-
		Frame: 180 to 225 : Rs. 2500/-
		Frame 250 to 280 : Rs. 4000/-
		Frame 315 : Rs. 4500/-
		Frame 355 to 450 : Rs. 5200/-
1.16	Cable Glands: PESO approved for Ex'nA' and Ex 'd' not for ATEX motors	Price in Rupees Per Gland
		Frame 80 : Rs. 1300/-
		Frame 90 to 132 : Rs. 1800/-
		Frame 160 to 200 : Rs. 5000/-
		Frame 225 to 280 : Rs. 8000/-
Frame 315 to 355 : Rs. 12500/-		

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
1.17	Cable Glands: for ATEX motors	Price in Rupees Per Gland
		Frame: 80 : Rs. 2000/-
		Frame: 90 to 132 : Rs. 3000/-
		Frame: 160 : Rs. 5000/-
		Frame: 180 to 200 : Rs. 7500/-
		Frame 225 : Rs. 8000/-
		Frame 250 to 315 : Rs. 12500/-
1.18	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 : Rs. 1500/-
		Frame 80 : Rs. 1900/-
		Frame 90 : Rs. 2000/-
		Frame 100L : Rs. 3600/-
		Frame: 112 to 132 : Rs. 4000/-
		Frame: 160 : Rs. 4600/-
		Frame: 180 to 200 : Rs. 5400/-
1.19	"Low Vibraon as per IS 12075:2008"	
(a)	Reduced Vibration	10%
(b)	Special Vibration	20%
1.20	Bearings	
(a)	Roller Bearing at DE Side in place of ball bearing <i>Safe Area: Frame 160 to 450;</i> <i>Hazardous Area: Frame 160 to 315</i>	Frame 160 to 180 : Rs. 3200/-
		Frame 200 to 315 : Rs. 4000/-
		Frame: 355 : Rs. 6000/-
		Frame 400 and 450 : Rs. 8500/-
(b)	Hybrid Bearing (at NDE side)	Frame 132 : Rs.13000/-
		Frame 160 to 180 : Rs.15700/-
		Frame 200 to 225 : Rs.17500/-
(c)	Insulated Bearings (at NDE side)	Frame : 250 to 315 : Rs. 33,000/-
		Frame : 355 to 400 : Rs. 47,000/-
		Frame 450: : Rs. 55,000/-

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
1.21	Other Miscellaneous Features	
(a)	One size Higher Terminal Box	Frame 71 to 112 : Rs. 300/-
		Frame 132 and 160 : Rs. 1750/-
		Frame 180 to 280 : Rs. 3500/-
		Frame: 315 and 355 : Rs. 17500/-
(b)	Cast Iron Terminal Box (<i>where Aluminium is standard</i>)	Frames: 71 to 160 : Rs. 300/-
(c)	Cast Iron Fan (<i>where plastic fan is standard</i>)	2%
(d)	Stainless Steel Hardwares (only for safe area motors)	Frame 71 to 225 : Rs. 1250/-
		Frame: 250 and 280 : Rs. 2100/-
		Frame 315 : Rs. 3000/-
		Frame: 355 and above : Rs. 5000/-
(e)	Seaworthy/export packing case for home market (Without fumigation certificate)	Frame 71 to 80 : Rs. 1000/-
		Frame 90 to 160 : Rs. 2000/-
		Frame : 180 : Rs. 4000/-
		Frame 200 to 315 : Rs. 6000/-
(f)	Longer Flying leads (<i>length not exceeding 1.5m</i>)	Frame 63 to 132 : Rs. 400/-
		Frame 160 to 225 : Rs. 1200/-
		Frame 250 to 280 : Rs. 2500/-
		Frame 315 : Rs. 4800/-
		Frame 355 : Rs. 5800/-
(g)	Longer Flying leads (<i>length exceeding 1.5m and less than 3m</i>)	Frame 63 to 132 : Rs. 800/-
		Frame 160 to 225 : Rs. 2400/-
		Frame 250 to 280 : Rs. 5000/-
		Frame 315 : Rs. 9600/-
		Frame 355 : Rs. 11600/-
(h)	Extra Name Plate / Tag Plate	Rs. 600/-
(i)	Front Bearing locking arrangement	5% till 280 frame

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CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
1.22	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 :
		Fr 160 to 200 : Rs. 1250/-
		For FLP Ex 'd' and Non sparking Ex'nA':
	Frame 180 to 200 : Rs. 1250/-	
(d)	SPM Nipples provision : for safe area motors (for 250 fr onwards)	For Frames 250 onwards : Rs. 5000/-
(e)	High Temperature Grease	Frame 112 to 160 : Rs. 8500/-
		Frame 180 to 225 : Rs. 11,000/-
		Frame 250 to 280 : Rs. 20,000/-
		Frame 315 to 355 : Rs. 38,000/-
		Frame 400 to 450 : Rs. 1,10,000/-
(f)	3, 4 cable Run T Box	For Frames 355 and above : Rs. 55,000/-
1.23	Motor with Fabricated body	For Frames 315 and 355 : Rs. 75,000/-

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

CASH EXTRAS FOR ADDITIONAL FEATURES

Sr. No.	FEATURES	Cash Extras / Percentage Extras LP42
2.00	ELECTRICAL FEATURES	
2.01	Base voltage between 250 - 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. 2400/-
(b)	Set of 6 nos PTC Thermistors without controller	Rs. 4800/-
(c)	Thermostats per unit	Rs. 600/- ; but seek a separate confirmation from sales before offering
(d)	Thermistors: for ATEX motors 3nos PTC without controller for ATEX approved motors	Rs. 3800/-
(e)	Thermistors 3nos: for PESO approved Ex 'nA' & Ex 'd' motors	Rs. 2400/-
(f)	Thermistors 6nos: for PESO approved Ex 'nA' & Ex 'd' motors	Rs. 4800/-
2.05	Multispeed Motors (safe area only)	
(a)	Single tapped winding upto 8 pole	10% over IE2 safe area
(b)	Dual speed with separate winding or polarity above 8 pole	17.5% over IE2 safe area
(c)	Motors single speed with 10, 12, 16 Poles	15% over IE2 safe area
2.06	Intermittent Duty Motors (for motors other than standard MC series)	10%
2.07	RTD:	
(a)	RTD (Simplex: 3 nos: 1 per phase) : It is a standard for DCCA motors.	Rs. 7000/-
(b)	RTD (Simplex: 6 nos: 2 per phase) :	Rs. 12000/-
(c)	RTD (Duplex: 3 Nos: 1 per phase) :	Rs. 12000/-
(d)	RTD (Duplex: 6Nos: 2 per phase) :	Rs. 24000/-
2.08	BTD : 2 Nos. (For safe area motors 250 frame onwards (Not for Hazardous Area))	
(a)	BTD: Simplex: It is a standard feature for DCCA motors.	Rs. 7000/-
(b)	BTD: Duplex: 2 nos for safe area Frame 250 and above	Rs. 9000/-

* 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 LP42
3.00	OTHER CHARGES	
3.01	Routine Testing	Frame 63 to 160 : Rs. 2500/-
		Frame 180 to 225 : Rs. 3500/-
		Frame: 250 to 450 : Rs. 5000/-
3.02	Type Testing	Frame 63 to 132 : Rs. 5500/-
		Frame 160 to 225 : Rs. 10,000/-
		Frame 250 to 315 : Rs. 14000/-
		Frame 355 : Rs. 20,000/-
		Frame 400 to 450 : Rs. 27,000/-
3.03	Combined Testing of FLP (Ex 'd') and Non Sparking (Ex 'nA') Motors (In presence of approved test house authority)	Frame: 71 to 225 : Rs. 1,75,000/-
		Frame 250 and above : Rs. 2,00,000/-
3.04	Motor testing with Inverter Drive (Safe Area) <i>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.</i>	Rs. 60,000/- per motor (With BBL certification only.)
3.05	Noise and Vibration Test	Frame 63 to 132 : Rs. 1000/-
		Frame 160 to 225 : Rs. 1200/-
		Frame 250 and above : Rs. 2000/-
3.06	(a) Shaft UT Test (per unit)	Rs. 3000/- per shaft; <i>Minimum charge for this test will be Rs 9000/- i.e for min 3 nos shafts; For any quantity more than 3 nos the said charge of Rs. 3000/- per shaft will apply.</i>
	(b) Shaft DP or LPT Test (per unit)	Rs. 6000/- per shaft; <i>Minimum charge for this test will be Rs. 18000/- i.e it is for min 3 nos shafts ; For any quantity more than 3 nos the said charge of Rs. 6000/- will apply.</i>
3.07	Body DP or LPT Test	Rs. 10,000/ - per motor; <i>Minimum charge for this test will be Rs. 20,000/- i.e it is for min 2 nos ; For any quantity more than 2 nos the said charge of Rs. 10,000/- per motor will apply.</i>
3.08	Documentation Charges (Technical/Commercial)	
	(a) Documents for approval/submission	Rs. 2000/-
	(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.

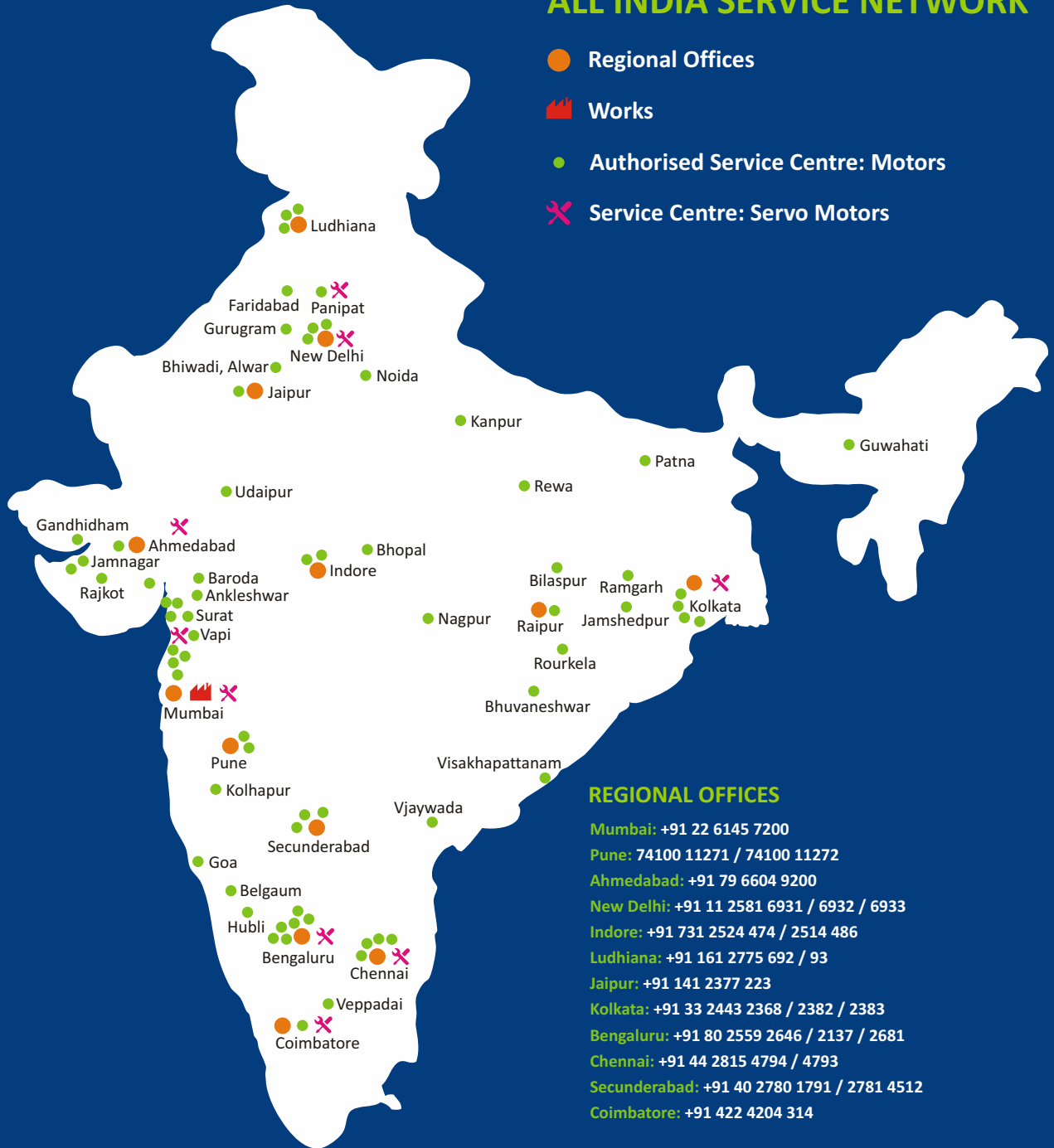
(b). Where cash extras are in absolute values please add them to the discounted net price i.e. after applying the discount.

No discount applicable on absolute values

* 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.

ALL INDIA SERVICE NETWORK

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