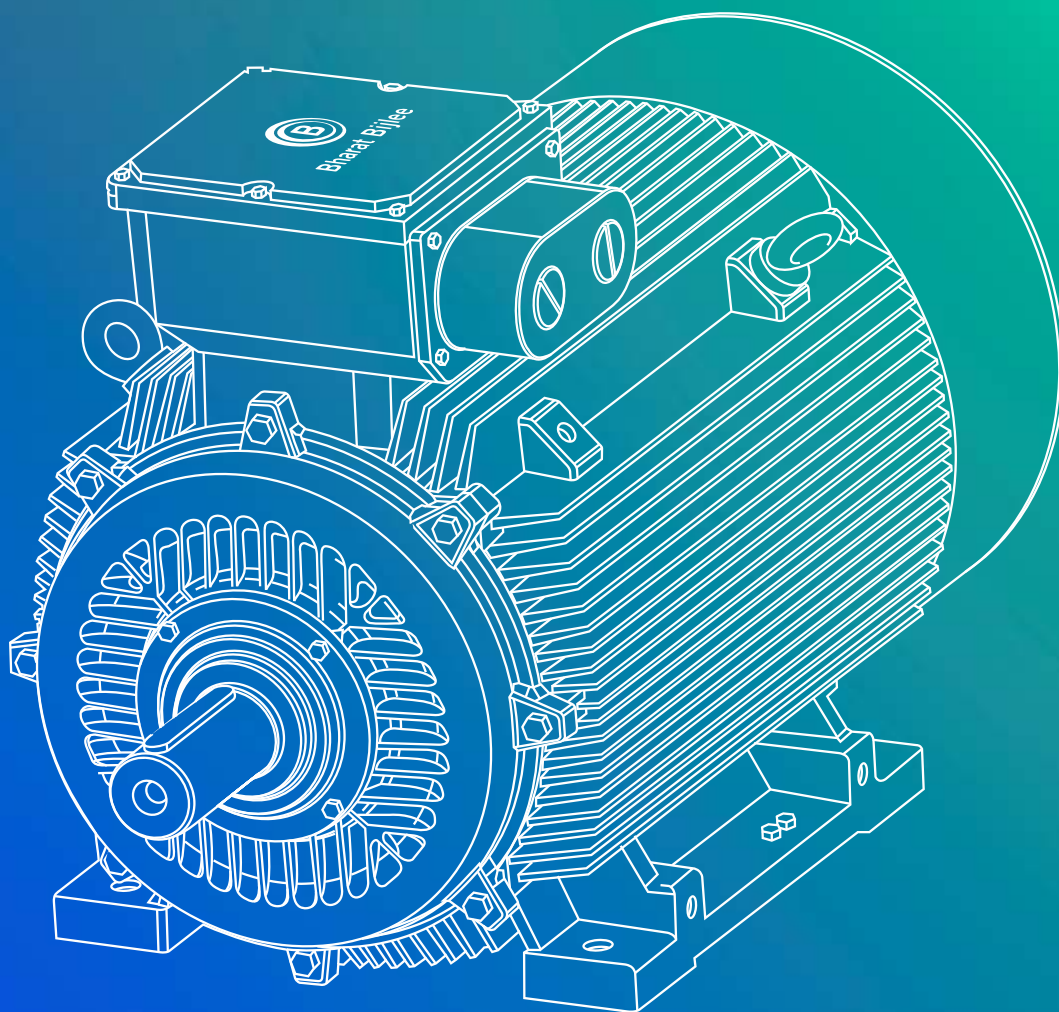


MOTORS PRICE LIST

LP43 w.e.f. 26th May 2022



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 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
- 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 Ex(nA) Motors: upto 11kV

Note: For IE4 motors and MV motors, kindly contact our nearest sales office.

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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).

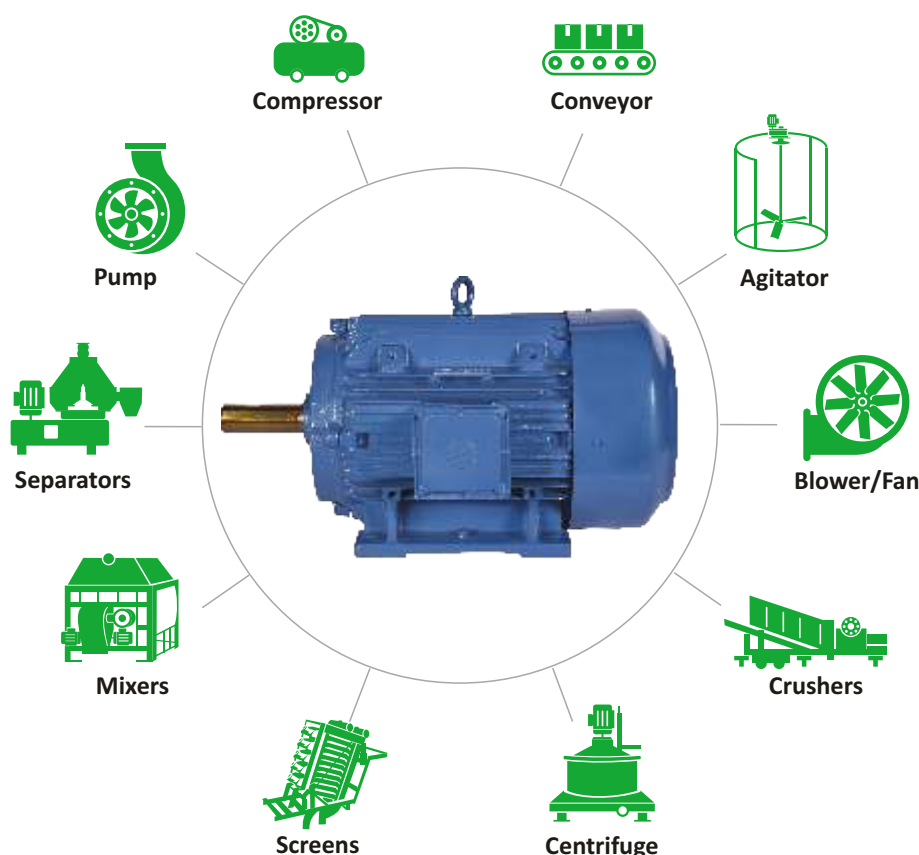


Suitable for extremely harsh and severe applications.



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 : LP43 w.e.f. 26th May 2022 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 and levies. GST, other taxes and 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 and 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 | LP43 |
| 0.75 | 1.00 | 80 | 2H080213CT000 | 23,580 |
| 1.10 | 1.50 | 80 | 2H080233CT000 | 26,730 |
| 1.50 | 2.00 | 90S | 2H09S243CT000 | 29,460 |
| 2.20 | 3.00 | 90L | 2H09L273CT000 | 37,770 |
| 3.70 | 5.00 | 100L | 2H10L233CT000 | 46,930 |
| 5.50 | 7.50 | 132S | 2H13S2G3CT000 | 79,800 |
| 7.50 | 10.00 | 132S | 2H13S2N3CT000 | 84,390 |
| 9.30 | 12.50 | 160M | 2H16M233CT000 | 1,42,550 |
| 11.00 | 15.00 | 160M | 2H16M253CT000 | 1,52,120 |
| 15.00 | 20.00 | 160M | 2H16M263CT000 | 1,65,590 |
| 18.50 | 25.00 | 160L | 2H16L293CT000 | 2,12,780 |
| 22.00 | 30.00 | 180M | 2H18M233CT000 | 2,47,750 |
| 30.00 | 40.00 | 200L | 2H20L2A3CT000 | 3,41,440 |
| 37.00 | 50.00 | 200L | 2H20L273CT000 | 4,04,570 |
| 45.00 | 60.00 | 225M | 2H22M253CT000 | 5,20,610 |
| 55.00 | 75.00 | 250M | 2H25M233CT000 | 7,15,380 |
| 75.00 | 100.00 | 280S | 2H28S23300000 | 8,69,080 |
| 90.00 | 120.00 | 280M | 2H28M25300000 | 9,98,700 |
| 110.00 | 150.00 | 315S | 2H31S23300000 | 13,06,830 |
| 125.00 | 170.00 | 315M | 2H31M2A300000 | 15,67,000 |
| 132.00 | 180.00 | 315M | 2H31M23300000 | 16,03,760 |
| 150.00 | 200.00 | 315L | 2H31L2A300000 | 17,54,850 |
| 160.00 | 215.00 | 315L | 2H31L25300000 | 17,56,700 |
| 180.00 | 240.00 | 315L | 2H31L2B300000 | 18,49,460 |
| 200.00 | 270.00 | 355L | 2H35L2A300000 | 20,08,540 |
| 250.0 | 335.00 | 355L | 2H35L21300000 | 23,65,990 |
| 315.0 | 425.00 | 355L | 2H35L23300000 | 26,05,050 |

| 1500 rpm 4 Pole: Cast Iron Construction | | | | |
|---|--------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.55 | 0.75 | 80 | 2H080433CT000 | 23,640 |
| 0.75 | 1.00 | 80 | 2H080453CT000 | 23,980 |
| 1.10 | 1.50 | 90S | 2H09S423CT000 | 30,970 |
| 1.50 | 2.00 | 90L | 2H09L473CT000 | 35,930 |
| 2.20 | 3.00 | 100L | 2H10L473CT000 | 42,840 |
| 3.70 | 5.00 | 112M | 2H11M473CT000 | 56,670 |
| 5.50 | 7.50 | 132S | 2H13S4K3CT000 | 77,000 |
| 7.50 | 10.00 | 132M | 2H13M4T3CT000 | 88,960 |
| 9.30 | 12.50 | 160M | 2H16M4C3CT000 | 1,44,010 |
| 11.00 | 15.00 | 160M | 2H16M4K3CT000 | 1,45,130 |
| 15.00 | 20.00 | 160L | 2H16L4T3CT000 | 1,87,230 |
| 18.50 | 25.00 | 180M | 2H18M473CT000 | 2,42,930 |
| 22.00 | 30.00 | 180L | 2H18L483CT000 | 2,66,050 |
| 30.00 | 40.00 | 200L | 2H20L453CT000 | 3,51,210 |
| 37.00 | 50.00 | 225S | 2H22S433CT000 | 4,01,800 |
| 45.00 | 60.00 | 225M | 2H22M453CT000 | 4,75,970 |
| 55.00 | 75.00 | 250M | 2H25M433CT000 | 6,60,540 |
| 75.00 | 100.00 | 280S | 2H28S423CT000 | 7,95,930 |
| 90.00 | 120.00 | 280M | 2H28M453CT000 | 9,27,110 |
| 110.00 | 150.00 | 315S | 2H31S413CT000 | 11,08,970 |
| 125.00 | 170.00 | 315M | 2H31M4A3CT000 | 12,63,920 |
| 132.00 | 180.00 | 315M | 2H31M433CT000 | 13,00,270 |
| 150.00 | 200.00 | 315L | 2H31L4A3CT000 | 15,27,590 |
| 160.00 | 215.00 | 315L | 2H31L453CT000 | 16,15,270 |
| 180.00 | 240.00 | 315L | 2H31L463CT000 | 17,15,720 |
| 200.00 | 270.00 | 315L | 2H31L473CT000 | 17,70,240 |
| 250.00 | 335.00 | 355L | 2H35L41300000 | 23,88,550 |
| 315.00 | 425.00 | 355L | 2H35L43300000 | 28,02,990 |
| 355.00 | 475.00 | 355L | 2H35L45300000 | 32,58,040 |

| 3000 rpm 2 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 56 | 2H056235AT000 | 13,350 |
| 0.18 | 0.25 | 63 | 2H063213AT000 | 15,490 |
| 0.25 | 0.33 | 63 | 2H063233AT000 | 15,950 |
| 0.37 | 0.50 | 71 | 2H0712A3AT000 | 18,120 |
| 0.55 | 0.75 | 71 | 2H071233AT000 | 23,520 |
| 0.75 | 1.00 | 80 | 2H080213AT000 | 24,210 |
| 1.10 | 1.50 | 80 | 2H080233AT000 | 26,410 |
| 1.50 | 2.00 | 90S | 2H09S243AT000 | 30,300 |
| 2.20 | 3.00 | 90L | 2H09L273AT000 | 37,700 |
| 3.70 | 5.00 | 100L | 2H10L233AT000 | 48,300 |
| 5.50 | 7.50 | 132S | 2H13S2G3AT000 | 82,160 |
| 7.50 | 10.00 | 132S | 2H13S2N3AT000 | 89,400 |

| 1500 rpm 4 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 63 | 2H063413AT000 | 14,850 |
| 0.18 | 0.25 | 63 | 2H063433AT000 | 16,780 |
| 0.25 | 0.33 | 71 | 2H0714A3AT000 | 17,010 |
| 0.37 | 0.50 | 71 | 2H071433AT000 | 18,800 |
| 0.55 | 0.75 | 80 | 2H080433AT000 | 24,570 |
| 0.75 | 1.00 | 80 | 2H080453AT000 | 24,660 |
| 1.10 | 1.50 | 90S | 2H09S423AT000 | 30,810 |
| 1.50 | 2.00 | 90L | 2H09L473AT000 | 36,950 |
| 2.20 | 3.00 | 100L | 2H10L473AT000 | 44,400 |
| 3.70 | 5.00 | 112M | 2H11M473AT000 | 56,200 |
| 5.50 | 7.50 | 132S | 2H13S4K3AT000 | 78,180 |
| 7.50 | 10.00 | 132M | 2H13M4T3AT000 | 92,350 |

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 | LP43 |
| 0.37 | 0.50 | 80 | 2H080613CT000 | 26,690 |
| 0.55 | 0.75 | 80 | 2H080633CT000 | 26,790 |
| 0.75 | 1.00 | 90S | 2H09S633CT000 | 30,160 |
| 1.10 | 1.50 | 90L | 2H09L653CT000 | 33,160 |
| 1.50 | 2.00 | 100L | 2H10L633CT000 | 46,860 |
| 2.20 | 3.00 | 112M | 2H11M653CT000 | 50,810 |
| 3.70 | 5.00 | 132S | 2H13S6G3CT000 | 82,470 |
| 5.50 | 7.50 | 132M | 2H13M6T3CT000 | 99,840 |
| 7.50 | 10.00 | 160M | 2H16M633CT000 | 1,45,810 |
| 9.30 | 12.50 | 160L | 2H16L663CT000 | 1,61,740 |
| 11.00 | 15.00 | 160L | 2H16L673CT000 | 1,79,360 |
| 15.00 | 20.00 | 180L | 2H18L633CT000 | 2,42,940 |
| 18.50 | 25.00 | 200L | 2H20L633CT000 | 3,16,690 |
| 22.00 | 30.00 | 200L | 2H20L653CT000 | 3,46,540 |
| 30.00 | 40.00 | 225M | 2H22M643CT000 | 4,87,390 |
| 37.00 | 50.00 | 250M | 2H25M633CT000 | 6,55,360 |
| 45.00 | 60.00 | 280S | 2H28S613CT000 | 7,83,830 |
| 55.00 | 75.00 | 280M | 2H28M633CT000 | 9,00,580 |
| 75.00 | 100.00 | 315S | 2H31S613CT000 | 10,52,120 |
| 90.00 | 120.00 | 315M | 2H31M633CT000 | 13,16,600 |
| 110.00 | 150.00 | 315M | 2H31M653CT000 | 14,67,160 |
| 125.00 | 170.00 | 315L | 2H31L6A3CT000 | 16,71,620 |
| 132.00 | 180.00 | 315L | 2H31L673CT000 | 17,13,420 |
| 150.00 | 200.00 | 315L | 2H31L6B3CT000 | 17,39,190 |
| 160.00 | 215.00 | 315L | 2H31L693CT000 | 18,65,220 |
| 180.00 | 240.00 | 355L | 2H35L6A300000 | 22,03,270 |
| 200.00 | 270.00 | 355L | 2H35L61300000 | 23,59,780 |
| 250.00 | 335.00 | 355L | 2H35L63300000 | 26,00,120 |

| 1000 rpm 6 Pole: Aluminium Construction | | | | |
|---|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.18 | 0.25 | 71 | 2H0716A3AT000 | 19,640 |
| 0.25 | 0.33 | 71 | 2H071633AT000 | 20,430 |
| 0.37 | 0.50 | 80 | 2H080613AT000 | 26,410 |
| 0.55 | 0.75 | 80 | 2H080633AT000 | 27,100 |
| 0.75 | 1.00 | 90S | 2H09S633AT000 | 30,490 |
| 1.10 | 1.50 | 90L | 2H09L653AT000 | 33,500 |
| 1.50 | 2.00 | 100L | 2H10L633AT000 | 48,110 |
| 2.20 | 3.00 | 112M | 2H11M653AT000 | 51,840 |
| 3.70 | 5.00 | 132S | 2H13S6G3AT000 | 79,890 |
| 5.50 | 7.50 | 132M | 2H13M6T3AT000 | 98,260 |

| 750 rpm 8 Pole: Cast Iron Construction | | | | |
|--|------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.18 | 0.25 | 80 | 2H080813CT000 | 22,850 |
| 0.25 | 0.33 | 80 | 2H080833CT000 | 25,310 |
| 0.37 | 0.5 | 90S | 2H09S813CT000 | 31,800 |
| 0.55 | 0.75 | 90L | 2H09L853CT000 | 34,830 |
| 0.75 | 1 | 100L | 2H10L813CT000 | 42,790 |
| 1.1 | 1.5 | 100L | 2H10L833CT000 | 52,050 |
| 1.5 | 2 | 112M | 2H11M813CT000 | 60,420 |
| 2.2 | 3 | 132S | 2H13S8B3CT000 | 79,850 |
| 3.7 | 5 | 160M | 2H16M813CT000 | 1,33,370 |
| 5.5 | 7.5 | 160M | 2H16M833CT000 | 1,62,390 |
| 7.5 | 10 | 160L | 2H16L863CT000 | 1,97,170 |
| 9.3 | 12.5 | 180M | 2H18M833CT000 | 2,65,230 |
| 11 | 15 | 180L | 2H18L873CT000 | 2,79,710 |
| 15 | 20 | 200L | 2H20L843CT000 | 3,70,210 |
| 18.5 | 25 | 225S | 2H22S823CT000 | 4,75,460 |
| 22 | 30 | 225M | 2H22M833CT000 | 5,71,380 |
| 30 | 40 | 250M | 2H25M813CT000 | 7,71,520 |
| 37 | 50 | 280S | 2H28S823CT000 | 9,62,040 |
| 45 | 60 | 280M | 2H28M853CT000 | 10,32,410 |

| 750 rpm 8 Pole: Aluminium Construction | | | | |
|--|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 71 | 2H071833AT000 | 20,810 |
| 0.18 | 0.25 | 80 | 2H080813AT000 | 21,110 |
| 0.25 | 0.33 | 80 | 2H080833AT000 | 24,300 |
| 0.37 | 0.5 | 90S | 2H09S813AT000 | 30,360 |
| 0.55 | 0.75 | 90L | 2H09L853AT000 | 33,900 |
| 0.75 | 1 | 100L | 2H10L813AT000 | 40,500 |
| 1.1 | 1.5 | 100L | 2H10L833AT000 | 49,180 |
| 1.5 | 2 | 112M | 2H11M813AT000 | 57,660 |
| 2.2 | 3 | 132S | 2H13S8B3AT000 | 77,500 |



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 | LP43 |
| 9.3 | 11 | 160M | 2H16M233CT0V0 | 150,060 |
| 11 | 15 | 160M | 2H16M253CT0V0 | 159,210 |
| 15 | 20 | 160M | 2H16M263CT0V0 | 170,790 |
| 22 | 30 | 180M | 2H18M233CT0V0 | 254,090 |
| 30 | 40 | 200L | 2H20L2A3CT0V0 | 354,270 |

| 1500 rpm 4 Pole: Cast Iron Construction | | | | |
|---|----|-------|---------------|---------|
| kW | HP | Frame | Type | LP43 |
| 9.3 | 11 | 160M | 2H16M4C3CT0V0 | 147,140 |
| 11 | 15 | 160M | 2H16M4K3CT0V0 | 150,710 |
| 15 | 20 | 160L | 2H16L4T3CT0V0 | 192,000 |
| 22 | 30 | 180L | 2H18L483CT0V0 | 270,500 |
| 30 | 40 | 200L | 2H20L453CT0V0 | 363,780 |

| 3000 rpm 2 Pole: Aluminium Construction | | | | |
|---|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 71 | 2H0712A3AT0V0 | 19,000 |
| 0.55 | 0.75 | 71 | 2H071233AT0V0 | 24,710 |
| 0.75 | 1 | 80 | 2H080213AT0V0 | 25,480 |
| 1.1 | 1.5 | 80 | 2H080233AT0V0 | 27,780 |
| 1.5 | 2 | 90S | 2H09S243AT0V0 | 31,800 |
| 2.2 | 3 | 90L | 2H09L273AT0V0 | 40,560 |
| 3.7 | 5 | 100L | 2H10L233AT0V0 | 50,600 |
| 5.5 | 7.5 | 132S | 2H13S2G3AT0V0 | 86,380 |
| 7.5 | 10 | 132S | 2H13S2N3AT0V0 | 93,910 |

| 1500 rpm 4 Pole: Aluminium Construction | | | | |
|---|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.55 | 0.75 | 80 | 2H080433AT0V0 | 25,220 |
| 0.75 | 1 | 80 | 2H080453AT0V0 | 25,880 |
| 1.1 | 1.5 | 90S | 2H09S423AT0V0 | 31,600 |
| 1.5 | 2 | 90L | 2H09L473AT0V0 | 38,840 |
| 2.2 | 3 | 100L | 2H10L473AT0V0 | 45,600 |
| 3.7 | 5 | 112M | 2H11M473AT0V0 | 57,770 |
| 5.5 | 7.5 | 132S | 2H13S4K3AT0V0 | 80,520 |
| 7.5 | 10 | 132M | 2H13M4T3AT0V0 | 94,950 |

| 1000 rpm 6 Pole: Cast Iron Construction | | | | |
|---|----|-------|---------------|---------|
| kW | HP | Frame | Type | LP43 |
| 7.5 | 10 | 160M | 2H16M633CT0V0 | 149,560 |
| 11 | 15 | 160L | 2H16L673CT0V0 | 184,290 |
| 15 | 20 | 180L | 2H18L633CT0V0 | 248,400 |
| 22 | 30 | 200L | 2H20L653CT0V0 | 358,200 |
| 30 | 40 | 225M | 2H22M643CT0V0 | 503,270 |

| 1000 rpm 6 Pole: Aluminium Construction | | | | |
|---|------|-------|---------------|---------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 80 | 2H080613AT0V0 | 27,790 |
| 0.55 | 0.75 | 80 | 2H080633AT0V0 | 28,520 |
| 0.75 | 1 | 90S | 2H09S633AT0V0 | 32,020 |
| 1.1 | 1.5 | 90L | 2H09L653AT0V0 | 35,140 |
| 1.5 | 2 | 100L | 2H10L633AT0V0 | 50,570 |
| 2.2 | 3 | 112M | 2H11M653AT0V0 | 53,340 |
| 3.7 | 5 | 132S | 2H13S6G3AT0V0 | 83,900 |
| 5.5 | 7.5 | 132M | 2H13M6T3AT0V0 | 103,130 |

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 | LP43 |
| 0.75 | 1.00 | 80 | 3H0802B3CT000 | 25,900 |
| 1.10 | 1.50 | 80 | 3H0802E3CT000 | 28,220 |
| 1.50 | 2.00 | 90S | 3H09S2B3CT000 | 32,230 |
| 2.20 | 3.00 | 90L | 3H09L2E3CT000 | 41,510 |
| 3.70 | 5.00 | 100L | 3H10L2B3CT000 | 58,280 |
| 5.50 | 7.50 | 132S | 3H13S2C3CT000 | 84,000 |
| 7.50 | 10.00 | 132S | 3H13S2H3CT000 | 86,820 |
| 9.30 | 12.50 | 160M | 3H16M2B3CT000 | 146,680 |
| 11.00 | 15.00 | 160M | 3H16M2E3CT000 | 158,750 |
| 15.00 | 20.00 | 160M | 3H16M2H3CT000 | 178,180 |
| 18.50 | 25.00 | 160L | 3H16L2M3CT000 | 228,910 |
| 22.00 | 30.00 | 180M | 3H18M2B3CT000 | 262,770 |
| 30.00 | 40.00 | 200L | 3H20L2B3CT000 | 376,650 |
| 37.00 | 50.00 | 200L | 3H20L2E3CT000 | 454,410 |
| 45.00 | 60.00 | 225M | 3H22M2B3CT000 | 584,920 |
| 55.00 | 75.00 | 250M | 3H25M2E3CT000 | 749,760 |
| 75.00 | 100.00 | 280S | 3H28S2E3CT000 | 962,220 |
| 90.00 | 120.00 | 280M | 3H28M2H3CT000 | 11,10,430 |
| 110.00 | 150.00 | 315S | 3H31S2E3CT000 | 13,68,750 |
| 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 | 19,44,190 |
| 200.00 | 270.00 | 355L | 3H35L2B3CT000 | 21,48,150 |
| 225.00 | 335.00 | 355L | 3H35L2C3CT000 | 23,87,480 |
| 250.00 | 335.00 | 355L | 3H35L2E3CT000 | 25,18,000 |
| 280.00 | 375.00 | 355L | 3H35L2G3CT000 | 27,14,160 |

| 1500 rpm 4 Pole: Cast Iron Construction | | | | |
|---|--------|-------|----------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.55 | 0.75 | 80 | 3H0804B3CT000 | 26,580 |
| 0.75 | 1.00 | 80 | 3H0804E3CT000 | 27,570 |
| 1.10 | 1.50 | 90S | 3H09S4B3CT000 | 33,590 |
| 1.50 | 2.00 | 90L | 3H09L4E3CT000 | 39,090 |
| 2.20 | 3.00 | 100L | 3H10L4B3CT000 | 46,420 |
| 3.70 | 5.00 | 112M | 3H11M4B3CT000 | 59,030 |
| 5.50 | 7.50 | 132S | 3H13S4C3CT000 | 85,520 |
| 7.50 | 10.00 | 132M | 3H13M4H3CT000 | 101,190 |
| 9.30 | 12.50 | 160M | 3H16M4E3CT000 | 157,840 |
| 11.00 | 15.00 | 160M | 3H16M4H3CT000 | 163,210 |
| 15.00 | 20.00 | 160L | 3H16L4M3CT000 | 198,960 |
| 18.50 | 25.00 | 180M | 3H18M4B3CT000 | 252,290 |
| 22.00 | 30.00 | 180L | 3H18L4E3CT000 | 276,060 |
| 30.00 | 40.00 | 200L | 3H20L4B3CT000 | 367,790 |
| 37.00 | 50.00 | 225S | 3H22S4B3CT000 | 450,650 |
| 45.00 | 60.00 | 225M | 3H22M4E3CT000 | 545,710 |
| 55.00 | 75.00 | 250M | 3H25M4B3CT000 | 684,030 |
| 75.00 | 100.00 | 280S | 3H28S4B3CT000X | 853,850 |
| 90.00 | 120.00 | 280M | 3H28M4H3CT000X | 995,460 |
| 110.00 | 150.00 | 315S | 3H31S4G3CT000 | 12,05,860 |
| 132.00 | 180.00 | 315M | 3H31M4K3CT000 | 13,79,190 |
| 160.00 | 215.00 | 315L | 3H31L4P3CT000 | 17,84,900 |
| 200.00 | 270.00 | 315L | 3H31L4W3CT000 | 21,12,840 |
| 225.00 | 300.00 | 355L | 3H35L4B3CT000 | 24,93,910 |
| 250.00 | 335.00 | 355L | 3H35L4E3CT000 | 26,59,630 |
| 315.00 | 422.00 | 355L | 3H35L4H3CT000 | 30,24,800 |

| 3000 rpm 2 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 56 | 3H056235AT000 | 16,510 |
| 0.18 | 0.25 | 63 | 3H063213AT000 | 18,170 |
| 0.25 | 0.33 | 63 | 3H063233AT000 | 19,140 |
| 0.37 | 0.5 | 71 | 3H071233AT000 | 20,670 |
| 0.55 | 0.75 | 71 | 3H071253AT000 | 26,820 |
| 0.75 | 1.00 | 80 | 3H0802B3AT000 | 27,720 |
| 1.10 | 1.50 | 80 | 3H0802E3AT000 | 30,260 |
| 1.50 | 2.00 | 90S | 3H09S2B3AT000 | 34,640 |
| 2.20 | 3.00 | 90L | 3H09L2E3AT000 | 44,510 |
| 3.70 | 5.00 | 100L | 3H10L2B3AT000 | 57,090 |
| 5.50 | 7.50 | 132S | 3H13S2C3AT000 | 90,240 |
| 7.50 | 10.00 | 132S | 3H13S2H3AT000 | 93,310 |

| 1500 rpm 4 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|---------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 63 | 3H063433AT000 | 18,380 |
| 0.18 | 0.25 | 63 | 3H063453AT000 | 18,560 |
| 0.25 | 0.33 | 71 | 3H071453AT000 | 19,010 |
| 0.37 | 0.5 | 71 | 3H071463AT000 | 21,240 |
| 0.55 | 0.75 | 80 | 3H0804B3AT000 | 27,850 |
| 0.75 | 1.00 | 80 | 3H0804E3AT000 | 28,230 |
| 1.10 | 1.50 | 90S | 3H09S4B3AT000 | 34,760 |
| 1.50 | 2.00 | 90L | 3H09L4E3AT000 | 42,350 |
| 2.20 | 3.00 | 100L | 3H10L4B3AT000 | 50,390 |
| 3.70 | 5.00 | 112M | 3H11M4B3AT000 | 63,810 |
| 5.50 | 7.50 | 132S | 3H13S4C3AT000 | 88,520 |
| 7.50 | 10.00 | 132M | 3H13M4H3AT000 | 104,750 |

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 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 | LP43 |
| 0.37 | 0.50 | 80 | 3H0806B3CT000 | 29,460 |
| 0.55 | 0.75 | 80 | 3H0806E3CT000 | 30,320 |
| 0.75 | 1.00 | 90S | 3H09S6B3CT000 | 35,750 |
| 1.10 | 1.50 | 90L | 3H09L6E3CT000 | 39,120 |
| 1.50 | 2.00 | 100L | 3H10L6B3CT000 | 60,050 |
| 2.20 | 3.00 | 112M | 3H11M6B3CT000 | 63,360 |
| 3.70 | 5.00 | 132S | 3H13S6C3CT000 | 93,420 |
| 5.50 | 7.50 | 132M | 3H13M6H3CT000 | 114,810 |
| 7.50 | 10.00 | 160M | 3H16M6B3CT000 | 163,720 |
| 9.30 | 12.50 | 160L | 3H16L6E3CT000 | 178,390 |
| 11.00 | 15.00 | 160L | 3H16L6H3CT000 | 201,470 |
| 15.00 | 20.00 | 180L | 3H18L6B3CT000 | 284,710 |
| 18.50 | 25.00 | 200L | 3H20L6B3CT000 | 352,610 |
| 22.00 | 30.00 | 200L | 3H20L6E3CT000 | 387,570 |
| 30.00 | 40.00 | 225M | 3H22M6B3CT000 | 541,850 |
| 37.00 | 50.00 | 250M | 3H25M6B3CT000 | 702,210 |
| 45.00 | 60.00 | 280S | 3H28S6B3CT000 | 862,890 |
| 55.00 | 75.00 | 280M | 3H28M6E3CT000 | 990,690 |
| 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 | 18,83,350 |
| 160.00 | 215.00 | 355L | 3H35L6B3CT000 | 20,02,570 |
| 180.00 | 240.00 | 355L | 3H35L6C3CT000 | 26,20,050 |
| 200.00 | 270.00 | 355L | 3H35L6E3CT000 | 27,44,720 |
| 250.00 | 335.00 | 355L | 3H35L643CT000 | 30,05,720 |

| 1000 rpm 6 Pole: Aluminium Construction | | | | |
|---|------|-------|---------------|---------|
| kW | HP | Frame | Type | LP43 |
| 0.18 | 0.25 | 71 | 3H071633AT000 | 27,600 |
| 0.25 | 0.33 | 71 | 3H071653AT000 | 28,750 |
| 0.37 | 0.50 | 80 | 3H0806B3AT000 | 30,230 |
| 0.55 | 0.75 | 80 | 3H0806E3AT000 | 30,970 |
| 0.75 | 1.00 | 90S | 3H09S6B3AT000 | 34,930 |
| 1.10 | 1.50 | 90L | 3H09L6E3AT000 | 38,280 |
| 1.50 | 2.00 | 100L | 3H10L6B3AT000 | 58,810 |
| 2.20 | 3.00 | 112M | 3H11M6B3AT000 | 62,120 |
| 3.70 | 5.00 | 132S | 3H13S6C3AT000 | 96,150 |
| 5.50 | 7.50 | 132M | 3H13M6H3AT000 | 112,360 |

| 750 rpm 8 pole: Cast Iron Construction | | | | |
|--|------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.18 | 0.25 | 80 | 3H080813CT000 | 31,470 |
| 0.25 | 0.33 | 80 | 3H080833CT000 | 34,360 |
| 0.37 | 0.5 | 90S | 3H09S853CT000 | 36,600 |
| 0.55 | 0.75 | 90L | 3H09L863CT000 | 40,090 |
| 0.75 | 1 | 100L | 3H10L833CT000 | 49,300 |
| 1.10 | 1.5 | 100L | 3H10L853CT000 | 59,910 |
| 1.50 | 2 | 112M | 3H11M833CT000 | 69,330 |
| 2.20 | 3 | 132S | 3H13S8B3CT000 | 91,810 |
| 3.70 | 5 | 160M | 3H16M823CT000 | 142,770 |
| 5.50 | 7.5 | 160M | 3H16M843CT000 | 200,770 |
| 7.50 | 10 | 160L | 3H16L883CT000 | 226,150 |
| 9.30 | 12.5 | 180M | 3H18M873CT000 | 304,920 |
| 11.00 | 15 | 180L | 3H18L893CT000 | 321,580 |
| 15.00 | 20 | 200L | 3H20L853CT000 | 426,210 |
| 18.50 | 25 | 225S | 3H22S823CT000 | 546,720 |
| 22.00 | 30 | 225M | 3H22M833CT000 | 657,280 |
| 30.00 | 40 | 250M | 3H25M813CT000 | 887,460 |
| 37.00 | 50 | 280S | 3H28S823CT000 | 11,04,520 |
| 45.00 | 60 | 280M | 3H28M853CT000 | 11,86,630 |

| 750 rpm 8 pole: Aluminium Construction | | | | |
|--|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.12 | 0.16 | 71 | 3H071833AT000 | 24,510 |
| 0.18 | 0.25 | 80 | 3H080813AT000 | 29,200 |
| 0.25 | 0.33 | 80 | 3H080833AT000 | 33,900 |
| 0.37 | 0.5 | 90S | 3H09S853AT000 | 36,550 |
| 0.55 | 0.75 | 90L | 3H09L863AT000 | 38,860 |
| 0.75 | 1 | 100L | 3H10L833AT000 | 49,180 |
| 1.10 | 1.5 | 100L | 3H10L853AT000 | 59,800 |
| 1.50 | 2 | 112M | 3H11M833AT000 | 65,550 |
| 2.20 | 3 | 132S | 3H13S8B3AT000 | 91,650 |



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 | LP43 |
| 0.37 | 0.50 | 80 | MD0802A300000 | 39,880 |
| 0.55 | 0.75 | 80 | MD0802B300000 | 44,330 |
| 0.75 | 1.00 | 80 | MD08021300000 | 45,710 |
| 1.1 | 1.50 | 80 | MD08023300000 | 50,810 |
| 1.5 | 2.00 | 90L | MD09L23300000 | 52,650 |
| 2.2 | 3.00 | 90L | MD09L25300000 | 70,680 |
| 3.7 | 5.00 | 100L | MD10L21300000 | 90,950 |
| 5.5 | 7.50 | 132S | MD13S2B300000 | 127,150 |
| 7.5 | 10.00 | 132S | MD13S2E300000 | 141,330 |
| 9.3 | 12.50 | 132M | MD13M2N300000 | 207,500 |
| 11 | 15.00 | 160M | MD16M21300000 | 263,700 |
| 15 | 20.00 | 160M | MD16M25300000 | 290,100 |
| 18.5 | 25.00 | 160L | MD16L27300000 | 328,420 |
| 22 | 30.00 | 180L | MD18L21300000 | 398,530 |
| 30 | 40.00 | 200L | MD20L23300000 | 537,950 |
| 37 | 50.00 | 200L | MD20L25300000 | 695,140 |
| 45 | 60.00 | 225M | MD22M23300000 | 881,840 |
| 55 | 75.00 | 250M | MD25M21300000 | 11,26,290 |
| 75 | 100.00 | 280S | MD28S21300000 | 13,57,550 |
| 90 | 120.00 | 280M | MD28M23300000 | 14,62,420 |

| 1500 rpm 4 Pole | | | | |
|-----------------|--------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.50 | 80 | MD0804A300000 | 39,470 |
| 0.55 | 0.75 | 80 | MD08041300000 | 43,110 |
| 0.75 | 1.00 | 80 | MD08043300000 | 44,820 |
| 1.1 | 1.50 | 90L | MD09L43300000 | 51,280 |
| 1.5 | 2.00 | 90L | MD09L45300000 | 55,530 |
| 2.2 | 3.00 | 100L | MD10L43300000 | 70,900 |
| 3.7 | 5.00 | 112M | MD11M43300000 | 89,700 |
| 5.5 | 7.50 | 132S | MD13S4B300000 | 123,070 |
| 7.5 | 10.00 | 132M | MD13M4K300000 | 140,020 |
| 9.3 | 12.50 | 160M | MD16M4A300000 | 209,010 |
| 11 | 15.00 | 160M | MD16M4C300000 | 225,530 |
| 15 | 20.00 | 160L | MD16L4K300000 | 274,130 |
| 18.5 | 25.00 | 180L | MD18L43300000 | 311,810 |
| 22 | 30.00 | 180L | MD18L47300000 | 370,350 |
| 30 | 40.00 | 200L | MD20L43300000 | 496,340 |
| 37 | 50.00 | 225S | MD22S41300000 | 634,420 |
| 45 | 60.00 | 225M | MD22M43300000 | 802,980 |
| 55 | 75.00 | 250M | MD25M41300000 | 10,03,450 |
| 75 | 100.00 | 280S | MD28S41300000 | 12,29,020 |
| 90 | 120.00 | 280M | MD28M43300000 | 12,45,820 |

| 1000 rpm 6 Pole | | | | |
|-----------------|-------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.50 | 80 | MD08061300000 | 44,970 |
| 0.55 | 0.75 | 80 | MD08063300000 | 46,170 |
| 0.75 | 1.00 | 90L | MD09L63300000 | 54,470 |
| 1.10 | 1.50 | 90L | MD09L65300000 | 56,530 |
| 1.50 | 2.00 | 100L | MD10L63300000 | 80,200 |
| 2.20 | 3.00 | 112M | MD11M63300000 | 94,260 |
| 3.70 | 5.00 | 132S | MD13S6B300000 | 124,510 |
| 5.50 | 7.50 | 132M | MD13M6N300000 | 149,260 |
| 7.50 | 10.00 | 160M | MD16M63300000 | 238,740 |
| 9.30 | 12.50 | 160L | MD16L66300000 | 274,590 |
| 11.00 | 15.00 | 160L | MD16L67300000 | 292,490 |
| 15.00 | 20.00 | 180L | MD18L61300000 | 380,740 |
| 18.50 | 25.00 | 200L | MD20L61300000 | 474,180 |
| 22.00 | 30.00 | 200L | MD20L63300000 | 513,650 |
| 30.00 | 40.00 | 225M | MD22M62300000 | 818,800 |
| 37.00 | 50.00 | 250M | MD25M60300000 | 10,34,320 |
| 45.00 | 60.00 | 280S | MD28S61300000 | 12,02,620 |
| 55.00 | 75.00 | 280M | MD28M63300000 | 12,94,290 |

| 750 rpm 8 Pole | | | | |
|----------------|-------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.50 | 90L | MD09L83300000 | 53,600 |
| 0.55 | 0.75 | 90L | MD09L85300000 | 57,950 |
| 0.75 | 1.00 | 100L | MD10L81300000 | 70,600 |
| 1.10 | 1.50 | 100L | MD10L83300000 | 81,360 |
| 1.50 | 2.00 | 112M | MD11M81300000 | 98,630 |
| 2.20 | 3.00 | 132S | MD13S8B300000 | 129,860 |
| 3.70 | 5.00 | 160M | MD16M81300000 | 208,160 |
| 5.50 | 7.50 | 160M | MD16M83300000 | 246,990 |
| 7.50 | 10.00 | 160L | MD16L87300000 | 301,360 |
| 9.30 | 12.50 | 180L | MD18L81300000 | 370,850 |
| 11.00 | 15.00 | 180L | MD18L83300000 | 401,730 |
| 15.00 | 20.00 | 200L | MD20L83300000 | 545,270 |
| 18.50 | 25.00 | 225S | MD22S81300000 | 678,520 |
| 22.00 | 30.00 | 225M | MD22M83300000 | 894,720 |
| 30.00 | 40.00 | 250M | MD25M81300000 | 10,97,090 |
| 37.00 | 50.00 | 280S | MD28S82300000 | 14,00,660 |
| 45.00 | 60.00 | 280M | MD28M85300000 | 14,37,570 |

All motors are with Terminal Box position on Top as 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 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 | | | | | 1500 rpm 4 Pole | | | | |
|-----------------|------|-------|----------------|-----------|-----------------|------|-------|----------------|-----------|
| kW | HP | Frame | Type | LP43 | kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 80 | 2J0802A300000 | 42,810 | 0.37 | 0.5 | 80 | 2J08041300000 | 42,050 |
| 0.55 | 0.75 | 80 | 2J0802B300000 | 47,870 | 0.55 | 0.75 | 80 | 2J08043300000 | 46,430 |
| 0.75 | 1 | 80 | 2J08021300000 | 49,320 | 0.75 | 1 | 80 | 2J08045300000 | 48,270 |
| 1.1 | 1.5 | 80 | 2J08023300000 | 57,650 | 1.1 | 1.5 | 90L | 2J09L423000000 | 56,340 |
| 1.5 | 2 | 90L | 2J09L243000000 | 59,010 | 1.5 | 2 | 90L | 2J09L473000000 | 62,620 |
| 2.2 | 3 | 90L | 2J09L273000000 | 77,020 | 2.2 | 3 | 100L | 2J10L473000000 | 79,670 |
| 3.7 | 5 | 100L | 2J10L233000000 | 100,020 | 3.7 | 5 | 112M | 2J11M473000000 | 100,790 |
| 5.5 | 7.5 | 132S | 2J13S2G3000000 | 145,170 | 5.5 | 7.5 | 132S | 2J13S4K3000000 | 138,550 |
| 7.5 | 10 | 132S | 2J13S2N3000000 | 160,420 | 7.5 | 10 | 132M | 2J13M4T3000000 | 157,960 |
| 9.3 | 12.5 | 160M | 2J16M233000000 | 280,050 | 9.3 | 12.5 | 160M | 2J16M4C3000000 | 243,900 |
| 11 | 15 | 160M | 2J16M253000000 | 288,170 | 11 | 15 | 160M | 2J16M4K3000000 | 250,050 |
| 15 | 20 | 160M | 2J16M263000000 | 319,110 | 15 | 20 | 160L | 2J16L4T3000000 | 303,960 |
| 18.5 | 25 | 160L | 2J16L293000000 | 362,980 | 18.5 | 25 | 180L | 2J18L473000000 | 349,650 |
| 22 | 30 | 180L | 2J18L233000000 | 436,470 | 22 | 30 | 180L | 2J18L483000000 | 415,660 |
| 30 | 40 | 200L | 2J20L2A3000000 | 578,820 | 30 | 40 | 200L | 2J20L453000000 | 550,370 |
| 37 | 50 | 200L | 2J20L253000000 | 751,010 | 37 | 50 | 225S | 2J22S433000000 | 684,480 |
| 45 | 60 | 225M | 2J22M253000000 | 953,210 | 45 | 60 | 225M | 2J22M453000000 | 867,050 |
| 55 | 75 | 250M | 2J25M233000000 | 12,35,920 | 55 | 75 | 250M | 2J25M433000000 | 11,25,730 |
| 75 | 100 | 280M | 2J28M233000000 | 15,20,530 | 75 | 100 | 280S | 2J28S423000000 | 13,78,680 |
| 90 | 120 | 280M | 2J28M253000000 | 16,21,510 | 90 | 120 | 280M | 2J28M453000000 | 14,07,060 |
| 110 | 150 | 315S | 2J31S233000000 | 17,95,660 | 110 | 150 | 315S | 2J31S413000000 | 16,54,610 |
| 125 | 170 | 315M | 2J31M2A3000000 | 20,99,640 | 125 | 170 | 315M | 2J31M4A3000000 | 18,41,540 |
| 132 | 180 | 315M | 2J31M233000000 | 21,31,120 | 132 | 180 | 315M | 2J31M433000000 | 20,05,560 |
| 150 | 200 | 315L | 2J31L2A3000000 | 23,14,000 | 150 | 200 | 315L | 2J31L4A3000000 | 20,95,860 |
| 160 | 215 | 315L | 2J31L253000000 | 24,16,150 | 160 | 215 | 315L | 2J31L453000000 | 21,25,480 |
| 180 | 240 | 315L | 2J31L2B3000000 | 28,96,800 | 180 | 240 | 315L | 2J31L463000000 | 25,20,850 |
| | | | | | 200# | 270 | 315L | 2J31L473000000 | 28,71,070 |

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.
 # 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 | LP43 |
| 0.37 | 0.5 | 80 | 2J08061300000 | 48,890 |
| 0.55 | 0.75 | 80 | 2J08063300000 | 51,300 |
| 0.75 | 1 | 90L | 2J09L633000000 | 61,170 |
| 1.1 | 1.5 | 90L | 2J09L653000000 | 62,980 |
| 1.5 | 2 | 100L | 2J10L633000000 | 91,100 |
| 2.2 | 3 | 112M | 2J11M653000000 | 105,880 |
| 3.7 | 5 | 132S | 2J13S6G3000000 | 140,270 |
| 5.5 | 7.5 | 132M | 2J13M6T3000000 | 170,000 |
| 7.5 | 10 | 160M | 2J16M633000000 | 262,780 |
| 9.3 | 12.5 | 160L | 2J16L663000000 | 302,800 |
| 11 | 15 | 160L | 2J16L673000000 | 315,270 |
| 15 | 20 | 180L | 2J18L633000000 | 421,540 |
| 18.5 | 25 | 200L | 2J20L633000000 | 512,270 |
| 22 | 30 | 200L | 2J20L653000000 | 555,690 |
| 30 | 40 | 225M | 2J22M643000000 | 892,330 |
| 37 | 50 | 250M | 2J25M633000000 | 11,61,470 |
| 45 | 60 | 280S | 2J28S613000000 | 13,48,940 |
| 55 | 75 | 280M | 2J28M633000000 | 14,54,960 |
| 75 | 100 | 315S | 2J31S613000000 | 16,82,670 |
| 90 | 120 | 315M | 2J31M633000000 | 19,73,160 |
| 110 | 150 | 315M | 2J31M653000000 | 21,63,270 |
| 125 | 170 | 315L | 2J31L6A3000000 | 24,60,050 |
| 132 | 180 | 315L | 2J31L673000000 | 26,22,230 |
| 150 | 200 | 315L | 2J31L6B3000000 | 27,44,510 |
| 160 | 215 | 315L | 2J31L693000000 | 31,60,870 |

| 750 rpm 8 pole | | | | |
|----------------|------|-------|----------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 90L | 2J09L833000000 | 58,710 |
| 0.55 | 0.75 | 90L | 2J09L853000000 | 63,550 |
| 0.75 | 1 | 100L | 2J10L813000000 | 76,880 |
| 1.1 | 1.5 | 100L | 2J10L833000000 | 89,260 |
| 1.5 | 2 | 112M | 2J11M813000000 | 107,200 |
| 2.2 | 3 | 132S | 2J13S8B3000000 | 141,840 |
| 3.7 | 5 | 160M | 2J16M813000000 | 229,250 |
| 5.5 | 7.5 | 160M | 2J16M833000000 | 269,100 |
| 7.5 | 10 | 160L | 2J16L863000000 | 328,110 |
| 9.3 | 12.5 | 180L | 2J18L833000000 | 417,620 |
| 15 | 20 | 200L | 2J20L843000000 | 594,650 |
| 18.5 | 25 | 225S | 2J22S823000000 | 738,230 |
| 22 | 30 | 225M | 2J22M833000000 | 971,610 |
| 30 | 40 | 250M | 2J25M813000000 | 11,93,290 |
| 37 | 50 | 280S | 2J28S823000000 | 15,31,310 |
| 45 | 60 | 280M | 2J28M853000000 | 15,63,540 |



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 | | | | | 1500 rpm 4 pole | | | | |
|-----------------|------|-------|----------------|-----------|-----------------|------|-------|----------------|-----------|
| kW | HP | Frame | Type | LP43 | kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 80 | 3J0802A300000 | 45,750 | 0.37 | 0.5 | 80 | 3J080433000000 | 45,060 |
| 0.55 | 0.75 | 80 | 3J080213000000 | 51,210 | 0.55 | 0.75 | 80 | 3J0804B3000000 | 49,460 |
| 0.75 | 1 | 80 | 3J0802B3000000 | 52,520 | 0.75 | 1 | 80 | 3J0804E3000000 | 51,440 |
| 1.1 | 1.5 | 80 | 3J0802E3000000 | 61,410 | 1.1 | 1.5 | 90L | 3J09L4B3000000 | 59,710 |
| 1.5 | 2 | 90L | 3J09L2B3000000 | 63,020 | 1.5 | 2 | 90L | 3J09L4E3000000 | 66,980 |
| 2.2 | 3 | 90L | 3J09L2E3000000 | 82,340 | 2.2 | 3 | 100L | 3J10L4B3000000 | 85,050 |
| 3.7 | 5 | 100L | 3J10L2B3000000 | 1,04,630 | 3.7 | 5 | 112M | 3J11M4B3000000 | 1,07,790 |
| 5.5 | 7.5 | 132S | 3J13S2C3000000 | 1,55,070 | 5.5 | 7.5 | 132S | 3J13S4C3000000 | 1,48,170 |
| 7.5 | 10 | 132S | 3J13S2H3000000 | 1,71,510 | 7.5 | 10 | 132M | 3J13M4H3000000 | 1,68,850 |
| 9.3 | 12.5 | 160M | 3J16M2B3000000 | 2,95,660 | 9.3 | 12.5 | 160M | 3J16M4E3000000 | 2,55,730 |
| 11 | 15 | 160M | 3J16M2E3000000 | 3,02,000 | 11 | 15 | 160M | 3J16M4H3000000 | 2,67,270 |
| 15 | 20 | 160M | 3J16M2H3000000 | 3,41,090 | 15 | 20 | 160L | 3J16L4M3000000 | 3,24,280 |
| 18.5 | 25 | 160L | 3J16L2M3000000 | 3,87,590 | 18.5 | 25 | 200L | 3J20L4A3000000 | 3,68,400 |
| 22 | 30 | 200L | 3J20L2S3000000 | 4,59,510 | 22 | 30 | 200L | 3J20L433000000 | 4,38,380 |
| 30 | 40 | 200L | 3J20L2B3000000 | 6,45,470 | 30 | 40 | 200L | 3J20L4B3000000 | 5,85,940 |
| 37 | 50 | 200L | 3J20L2E3000000 | 7,99,080 | 37 | 50 | 225S | 3J22S4B3000000 | 7,63,750 |
| 45 | 60 | 225M | 3J22M2B3000000 | 10,14,270 | 45 | 60 | 225M | 3J22M4E3000000 | 9,64,420 |
| 55 | 75 | 280S | 3J28S2A3000000 | 13,02,530 | 55 | 75 | 280S | 3J28S423000000 | 11,87,130 |
| 75 | 100 | 280S | 3J28S2E3000000 | 16,02,810 | 75 | 100 | 280S | 3J28S4B3000000 | 14,55,690 |
| 90 | 120 | 280M | 3J28M2H3000000 | 16,85,350 | 90 | 120 | 280M | 3J28M4H3000000 | 14,81,360 |

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.

* 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.

| 1000 rpm 6 pole | | | | |
|-----------------|------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.5 | 80 | 3J0806B300000 | 52,000 |
| 0.55 | 0.75 | 80 | 3J0806E300000 | 53,510 |
| 0.75 | 1 | 90L | 3J09L6B300000 | 65,330 |
| 1.1 | 1.5 | 90L | 3J09L6E300000 | 67,210 |
| 1.5 | 2 | 100L | 3J10L6B300000 | 97,280 |
| 2.2 | 3 | 112M | 3J11M6B300000 | 1,13,250 |
| 3.7 | 5 | 132S | 3J13S6C300000 | 1,49,800 |
| 5.5 | 7.5 | 132M | 3J13M6H300000 | 1,81,670 |
| 7.5 | 10 | 160M | 3J16M6B300000 | 2,74,890 |
| 9.3 | 12.5 | 160L | 3J16L6E300000 | 3,21,760 |
| 11 | 15 | 160L | 3J16L6H300000 | 3,36,520 |
| 15 | 20 | 200L | 3J20L63300000 | 4,31,510 |
| 18.5 | 25 | 200L | 3J20L6B300000 | 5,33,390 |
| 22 | 30 | 200L | 3J20L6E300000 | 5,78,700 |
| 30 | 40 | 225M | 3J22M6B300000 | 9,48,760 |
| 37 | 50 | 250M | 3J25M6B300000 | 12,24,220 |
| 45 | 60 | 280S | 3J28S6B300000 | 14,21,690 |
| 55 | 75 | 280M | 3J28M6E300000 | 15,32,140 |

| 750 rpm 8 pole | | | | |
|----------------|------|-------|----------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 0.18 | 0.25 | 80 | 3J080813000000 | 54,000 |
| 0.25 | 0.33 | 80 | 3J080833000000 | 58,320 |
| 0.37 | 0.5 | 90L | 3J09L85300000 | 75,250 |
| 0.55 | 0.75 | 90L | 3J09L86300000 | 77,270 |
| 0.75 | 1 | 100L | 3J10L83300000 | 96,010 |
| 1.1 | 1.5 | 100L | 3J10L85300000 | 99,520 |
| 1.5 | 2 | 112M | 3J11M83300000 | 1,18,380 |
| 2.2 | 3 | 132S | 3J13S8B300000 | 1,57,190 |
| 3.7 | 5 | 160M | 3J16M82300000 | 2,52,180 |
| 5.5 | 7.5 | 160M | 3J16M84300000 | 3,07,960 |
| 7.5 | 10 | 160L | 3J16L88300000 | 3,54,630 |
| 15.0 | 20 | 200L | 3J20L85300000 | 6,49,080 |
| 18.5 | 25 | 225S | 3J22S82300000 | 8,10,220 |
| 22.0 | 30 | 225M | 3J22M83300000 | 11,01,600 |

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.

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 | LP43 |
| 11.00 | 15.00 | 160M | MC16M4A300000 | 1,17,830 |
| 15.00 | 20.00 | 160M | MC16M4F300000 | 1,28,500 |
| 18.50 | 25.00 | 160L | MC16L4P300000 | 1,50,690 |
| 22.00 | 30.00 | 180L | MC18L47300000 | 2,11,050 |
| 30.00 | 40.00 | 200L | MC20L43300000 | 2,86,650 |
| 37.00 | 50.00 | 225S | MC22S41300000 | 3,53,360 |
| 45.00 | 60.00 | 225M | MC22M43300000 | 4,76,280 |
| 55.00 | 75.00 | 250M | MC25M41300000 | 6,52,600 |
| 75.00 | 100.00 | 280S | MC28S41300000 | 8,04,380 |
| 90.00 | 120.00 | 280M | MC28M43300000 | 8,97,390 |
| 110.00 | 150.00 | 315S | MC31S41300000 | 12,09,100 |
| 132.00 | 160.00 | 315M | MC31M43300000 | 13,38,940 |
| 160.00 | 215.00 | 315L | MC31L45300000 | 16,03,260 |
| 180.00 | 250.00 | 315L | MC31L46300000 | 16,90,760 |
| 200.00 | 270.00 | 315L | MC31L47300000 | 17,21,700 |

| 1500 rpm 4 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.55 | 0.75 | 71 | MC07143300000 | 20,950 |
| 0.75 | 1.00 | 80 | MC08041300000 | 23,290 |
| 1.10 | 1.50 | 80 | MC08043300000 | 24,420 |
| 1.50 | 2.00 | 90S | MC09S43300000 | 25,700 |
| 2.20 | 3.00 | 90L | MC09L45300000 | 28,130 |
| 3.70 | 5.00 | 100L | MC10L45300000 | 37,590 |
| 5.50 | 7.50 | 112M | MC11M45300000 | 47,350 |
| 7.50 | 10.00 | 132S | MC13S4G300000 | 67,680 |
| 9.30 | 12.50 | 132M | MC13M4P300000 | 77,110 |

| 750 rpm 8 Pole: Cast Iron Construction | | | | |
|--|------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 5.5 | 7.5 | 160M | MC16M83300000 | 1,32,050 |
| 7.5 | 10 | 160L | MC16L87300000 | 1,69,360 |
| 9.3 | 12.5 | 180M | MC18M81300000 | 2,02,590 |
| 11 | 15 | 180L | MC18L83300000 | 2,38,480 |
| 15 | 20 | 200L | MC20L83300000 | 3,20,690 |
| 18.5 | 25 | 225S | MC22S81300000 | 4,07,510 |
| 22 | 30 | 225M | MC22M83300000 | 4,91,870 |
| 30 | 40 | 250M | MC25M81300000 | 6,61,430 |
| 37 | 50 | 280S | MC28S82300000 | 8,45,360 |
| 45 | 60 | 280M | MC28M85300000 | 9,36,180 |
| 55 | 75 | 315S | MC31S81300000 | 12,16,690 |
| 75 | 100 | 315M | MC31M83300000 | 14,09,920 |
| 90 | 120 | 315M | MC31M85300000 | 15,84,070 |
| 110 | 150 | 315L | MC31L87300000 | 17,52,320 |
| 132 | 180 | 315L | MC31L89300000 | 20,52,250 |

| 750 rpm 8 Pole: Aluminium Construction | | | | |
|--|------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.55 | 0.75 | 90S | MC09S81300000 | 27,210 |
| 0.75 | 1 | 90L | MC09L85300000 | 30,690 |
| 1.1 | 1.5 | 100L | MC10L81300000 | 36,950 |
| 1.5 | 2 | 100L | MC10L83300000 | 38,030 |
| 2.2 | 3 | 112M | MC11M83300000 | 57,840 |
| 3.7 | 5 | 132S | MC13S8G300000 | 91,080 |

| 1000 rpm 6 Pole: Cast Iron Construction | | | | |
|---|--------|-------|---------------|-----------|
| kW | HP | Frame | Type | LP43 |
| 9.30 | 12.50 | 160M | MC16M63300000 | 1,25,820 |
| 11.00 | 15.00 | 160L | MC16L66300000 | 1,55,880 |
| 13.00 | 17.50 | 160L | MC16L67300000 | 1,76,760 |
| 17.00 | 23.00 | 180L | MC18L63300000 | 2,55,720 |
| 22.00 | 30.00 | 200L | MC20L63300000 | 2,97,230 |
| 30.00 | 40.00 | 225M | MC22M62300000 | 4,17,620 |
| 37.00 | 50.00 | 250M | MC25M60300000 | 6,03,160 |
| 45.00 | 60.00 | 280S | MC28S61300000 | 7,68,510 |
| 52.00 | 70.00 | 280M | MC28M63300000 | 8,71,830 |
| 70.00 | 95.00 | 315S | MC31S61300000 | 10,91,730 |
| 85.00 | 115.00 | 315M | MC31M63300000 | 13,47,350 |
| 102.00 | 135.00 | 315M | MC31M65300000 | 15,00,860 |
| 125.00 | 167.00 | 315L | MC31L67300000 | 17,43,660 |
| 150.00 | 200.00 | 315L | MC31L69300000 | 18,50,290 |

| 1000 rpm 6 Pole: Aluminium Construction | | | | |
|---|-------|-------|---------------|--------|
| kW | HP | Frame | Type | LP43 |
| 0.37 | 0.50 | 71 | MC07163300000 | 21,010 |
| 0.55 | 0.75 | 80 | MC08061300000 | 24,810 |
| 0.75 | 1.00 | 80 | MC08063300000 | 25,740 |
| 1.10 | 1.50 | 90L | MC09L6A300000 | 26,720 |
| 1.50 | 2.00 | 90L | MC09L65300000 | 30,480 |
| 2.20 | 3.00 | 100L | MC10L65300000 | 40,020 |
| 3.70 | 5.00 | 112M | MC11M65300000 | 47,710 |
| 5.50 | 7.50 | 132S | MC13S6G300000 | 69,250 |
| 7.50 | 10.00 | 132M | MC13M6T300000 | 80,290 |



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.

* 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.

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, conforms to IS/IEC 60034

| 1000 rpm 6 Pole | | | | |
|-----------------|-------|-------|---------------|----------|
| kW | HP | Frame | Type | LP43 |
| 1.10 | 1.50 | 100L | MP10L61300000 | 1,05,990 |
| 1.50 | 2.00 | 100L | MP10L62300000 | 1,11,970 |
| 2.40 | 3.20 | 112M | MP11M62300000 | 1,22,280 |
| 3.30 | 4.40 | 112M | MP11M64300000 | 1,25,980 |
| 4.00 | 5.30 | 132M | MP13M61300000 | 1,63,650 |
| 5.50 | 7.50 | 132M | MP13M66300000 | 1,96,010 |
| 7.00 | 9.40 | 160L | MP16L61300000 | 2,21,850 |
| 10.00 | 13.40 | 160L | MP16L65300000 | 2,69,670 |



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

* 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.

LP43 w.e.f. 26th May 2022

CASH EXTRAS FOR ADDITIONAL FEATURES

| Sr. No. | FEATURES | Cash Extras / Percentage Extras LP43 |
|-------------|---|--|
| 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 (90 frame onwards) | Frame: 90 to 100 : Rs. 1,400/- Frame: 112 to 132 : Rs. 1,800/- Frame: 160 to 180 : Rs. 2,200/- Frame: 200 : Rs. 3,500/- Frame: 225 to 315 : Rs. 5,000/- Frame: 355 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 112 : Rs. 2,500/- Frame: 132 to 180 : Rs. 4,000/- Frame: 200 to 250 : Rs. 8,000/- Frame: 280 to 315 : Rs. 15,000/- 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. 7,000/- Frame: 200 to 250 : Rs. 12,000/- Frame: 280 to 315 : Rs. 16,000/- |
| 1.03 | Shaft Extension / Material | |
| | (a) Single / double non std shaft, if dia or extn is less than or equal to standard | 10% |
| | (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 | |
| | (a) | Frame: 90 to 132 : Rs. 300/- Frame: 160 to 225 : Rs. 500/- Frame: 250 and above : Rs. 1,500/- Frame: 280 and above : Refer to sales office |
| | (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

* 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 LP43 |
|-------------|--|---|
| 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) | |
| (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 | Rs. 750/- or 7.5% on the selected frame of IE2 safe area motor, whichever is higher |
| (ii) | IE3 Increased Safety Ex ec Motors | Rs. 1,000/- or 7.5% on the selected frame of IE3 safe area motor, whichever is higher |
| (b) | Flame proof motors for zone 21/22 area with CIMFR test reports, in IE2 and IE3 efficiency series (IP66 is a standard feature in motors for Zone 21 / 22 area) | 25% over respective FLP LP; discount not applicable |
| (c) | Flame Proof Ex 'd' Motors with ATEX/IECEx approval | 10% |
| 1.08 | Impregnation Schemes | |
| (a) | Inverter Grade Winding | 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 |

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 LP43 |
|---------|--|--------------------------------------|
| 1.09 | Forced Cooling (Fan with motor and Cowl) | Frame: 132 to 160 : Rs. 7,500/- |
| | | Frame: 180 : Rs. 11,000/- |
| | | Frame: 200 to 225 : Rs. 15,000/- |
| | | Frame: 250 to 280 : Rs. 22,000/- |
| | | Frame: 315 to 355 : Rs. 32,000/- |
| | | Frame: 400 to 450 : Rs. 52,000/- |
| 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: 90 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 Space heater is a standard feature for Ex'd' 315 frame motor | Frame: 80 to 132 : Rs. 3,500/- |
| | | Frame: 160 to 200 : Rs. 4,500/- |
| | | Frame: 225 to 280 : Rs. 5,500/- |
| | | Frame: 315 to 355 : Rs. 7,500/- |
| 1.13 | Space Heater for ATEX approved motors | Frame: 80 to 132 : Rs. 7,000/- |
| | | Frame: 160 to 200 : Rs. 9,000/- |
| | | Frame: 225 to 280 : Rs. 11,000/- |
| | | Frame: 315 : Rs. 15,000/- |
| 1.14 | Sealing Box for FLP Motors Mandatorily to be considered for applications in Oil Mines & Coal Mines | Frame: 90 to 132 : Rs. 1,850/- |
| | | Frame: 160 to 200 : Rs. 2,200/- |
| | | Frame: 225 to 315 : Rs. 2,400/- |
| 1.15 | Cable Glands: Safe Area | Price in Rupees Per Gland |
| | | Frame: 63 to 160 : Rs. 1,500/- |
| | | Frame: 180 to 225 : Rs. 2,500/- |
| | | Frame: 250 to 280 : Rs. 4,000/- |
| | | Frame: 315 : Rs. 4,500/- |
| 1.16 | Cable Glands: PESO approved for Ex ec and Ex 'd' ; not for ATEX motors | Price in Rupees Per Gland |
| | | Frame: 80 to 132 : Rs. 2,000/- |
| | | Frame: 160 to 200 : Rs. 5,000/- |
| | | Frame: 225 to 280 : Rs. 8,000/- |
| | | Frame: 315 to 355 : Rs. 12,500/- |

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 LP43 |
|---------|---|--------------------------------------|
| 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 | Refer to Sales Office |
| 1.19 | Metal Stopping Plug for Increased Safety Ex ec Motors : 63 to 355 frame and Flame Proof Ex'd' Motors : 80 to 315 frame | Refer to Sales Office |
| 1.20 | Metal Stopping Plug for ATEX/IECEx motors | Refer to Sales Office |
| 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 Safe Area: Frame 160 to 450; Hazardous Area: Frame 160 to 315 For Frame 132: subject to confirmation from our nearest sales office | 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: 132 : Rs. 14,000/- |
| | | Frame: 160 to 225 : Rs. 17,500/- |
| (c) | Insulated Bearings (at NDE side) | Frame : 250 to 280 : Rs. 33,000/- |
| | | Frame: 315 : Rs. 34,000/- |
| | | Frame: 355 to 400 : Rs. 47,000/- |
| | | Frame: 450 : Rs. 80,000/- |
| (d) | WT Bearing: | Refer to Sales Office |

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CASH EXTRAS FOR ADDITIONAL FEATURES

| Sr. No. | FEATURES | Cash Extras / Percentage Extras LP43 |
|---------|--|--------------------------------------|
| 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/- |
| (c) | Cast Iron Fan (<i>where plastic fan is standard</i>) | 3% |
| (d) | Stainless Steel Hardware (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/- |
| (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 : 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 : Rs. 28,000/- |
| (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 LP43 |
|-------------|---|--|
| 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 200 : Rs. 1,400/- For Flame Proof Ex 'd' and Increased Safety Ex ec : Frame: 180 to 200 : Rs. 3,500/- |
| (d) | SPM Nipples provision : for safe area motors (for 250 fr onwards) | For Frames 250 onwards : Rs. 5,000/- |
| (e) | High Temperature Grease | Frame: 112 to 160 : Rs. 10,000/- Frame: 180 to 225 : Rs. 14,000/- Frame: 250 to 280 : Rs. 22,000/- Frame: 315 to 355 : Rs. 42,000/- Frame: 400 to 450 : Rs. 1,10,000/- |
| (f) | 3, 4 cable Run T Box | Frame 355DCCA, 400 and 450 : Rs. 70,000/- |
| 1.26 | Motor with Fabricated body | Frame: 315 : Rs. 90,000/- Frame: 355 : Rs. 1,60,000/- |

Cash Extra Price Calculations.

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

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CASH EXTRAS FOR ADDITIONAL FEATURES

| Sr. No. | FEATURES | Cash Extras / Percentage Extras LP43 |
|-------------|--|---|
| 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. 5,000/- |
| (f) | Thermistors 6nos: for Increased Safety Ex ec & Flame Proof Ex 'd' motors | Rs. 10,000/- |
| 2.05 | Multispeed Motors (safe area only) | |
| (a) | Single tapped winding upto 8 pole | 10% over IE2 safe area, on higher polarity |
| (b) | Dual speed with separate winding | 17.5% over IE2 safe area, on higher price among polarity |
| (c) | Motors single speed with 10, 12 Poles | 15% over IE2 safe area, 8 Pole |
| 2.06 | Intermittent Duty Motors (for motors other than standard MC series) | 10% on selected frame size |
| 2.07 | RTD: for Safe Area motors | |
| (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: 6Nos: 2 per phase) : | Rs. 26,000/- |
| 2.08 | BTD : 2 Nos. (For safe area motors 250 frame onwards (Not for Hazardous Area) | |
| (a) | BTB: Simplex: It is a standard feature for DCCA motors. | Rs. 8,500/- |
| (b) | BTB: Duplex: 2 nos | Rs. 10,000/- |

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CASH EXTRAS FOR ADDITIONAL FEATURES

| Sr. No. | FEATURES | | Cash Extras / Percentage Extras LP43 |
|---------|--|--|---|
| 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) | | Frame: 71 to 225 : Rs. 1,90,000/- |
| | | | Frame: 250 and above : Rs. 2,00,000/- |
| 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. 60,000/- per motor (With BBL certification only.) |
| 3.05 | Noise and Vibration Test | | Frame: 63 to 225 : Rs. 1,500/- |
| | | | Frame 250 and above : Rs. 3,000/- |
| 3.06 | (a) Shaft UT Test (per unit) | | Rs. 4,000/- per shaft; Minimum charge for this test will be Rs 12,000/- i.e for min 3 nos shafts; For any quantity more than 3 nos the said charge of Rs. 4,000/- per shaft will apply. |
| | (b) Shaft DP or LPT Test (per unit) | | Rs. 7,000/- per shaft; Minimum charge for this test will be Rs. 21,000/- i.e it is for min 3 nos shafts ; For any quantity more than 3 nos the said charge of Rs. 7,000/- per shaft. |
| 3.07 | Body DP or LPT Test | | Rs. 12,000/- - per motor; Minimum charge for this test will be Rs. 24,000/- i.e it is for min 2 nos ; For any quantity more than 2 nos the said charge of Rs. 12,000/- per motor will apply. |

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CASH EXTRAS FOR ADDITIONAL FEATURES

| Sr. No. | FEATURES | Cash Extras / Percentage Extras LP43 |
|-------------|---|---|
| 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 |

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 No discount applicable on absolute values

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