



# PRICE LIST

LTM 018A w.e.f 01.07.2021

LV Motors | Alternators | DC motors

*We put all our energy into saving yours!*





# PRICE LIST LTM018A w.e.f 01.07.2021

## INDEX

- 1 Special Features And Accessories Offered For AC Motors
- 2 Super Premium Efficiency Motors - IE4
- 3 Premium Efficiency Motors - IE3
- 4 Premium Efficiency Motors - IE3 Aluminum
- 5 High Efficiency Motors - IE2
- 6 High Efficiency Motors -IE2 Aluminum
- 7 Smart Motors - High Output IE2 & IE3
- 8 Smart Motors - High Output IE3 VFD Operated
- 9 Premium Efficiency Flameproof Motors - IE3 FLP
- 10 High Efficiency Flameproof Motors - IE2 FLP
- 11 UL Listed High Efficiency Motors - IE2
- 12 NEMA Premium Motors
- 13 TEFC Slip Ring Motors
- 14 SPDP Slip Ring Motors
- 15 Crane Duty Motors - Squirrel Cage
- 16 Crane Duty Motors - Slip Ring
- 17 Textile Application Motors
- 18 Crusher Duty Motors
- 19 Brake Motors - KIBOSH Cast Iron Series
- 20 Brake Motors - KIBOSH Aluminum Series
- 21 Fire Fighting Motors Series
- 22 Motors for Compressor Application
- 23 Smoke Extraction Motors
- 24 Alternators
- 25 DC Motors
- 26 Terms And Conditions & Service Plus Performance

|



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 1) ELECTRICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
1.1	<b>VOLTAGE</b> Base Voltage 415V/50Hz and 460V/60Hz Other than above voltage (Dual Voltage is not available for 80 frame in FLP enclosure.) Dual voltage: 220Δ/380Y or 380Δ/660Y & (1:√3 ratio) Dual voltage: with ratio 1:2 e.g. 220/440 (On Enquiry) Triple voltage: (220/380/440) (On Enquiry)	No Extras 5% 5% 5% 5%
1.2	<b>FREQUENCY</b> Base Frequency of 50Hz or 60Hz 50/60 Hz motors for export	No Extras No Extras
1.3	<b>VARIABLE VOLTAGE/VARIABLE FREQUENCY OPERATED MOTORS:</b> Vacuum Pressure Impregnation Treatment(VPI) (Also known as Power House Treatment) 63-250 280 & above  For 690V motors - 160 - 280 Frame and above in addition to VPI charges For 690V motors - 315 & above Frame and above in addition to VPI charges A) Variable Torque Operation - Standard frame sizes suitable for following specifications: Variable torque operation, Type of application: pump/fan/blower Load torque speed curve: parabolic. Speed range=10% to 100% Harmonic contents < 5% & temperature rise limited to Class F rise  B) Constant Torque Operation - Standard frame sizes suitable for following specifications: Speed range 50% to 100%, Temperature rise limited to Class F rise Typical applications-Printing, Packaging, Paper industry or as per customer requirement Frame size logic Double of kW rating E.g. 11kW 4 pole Motor 11kW X 2 = 22kW. Hence frame size is 180L.  <b>For 315 &amp; Above to make motors suitable for VFD application, insulated bearing is must. Kindly refer cash extras for the same.</b>	5% No Extras            5%
1.4	9 Leads / 12 Leads (Frame ND 90 to 250)	5%
1.5	Ambient Temperature -30° C to +65° C For frame size contact nearest branch office	List price as per selected frame
1.6	<b>NON STANDARD RV/RA FOR SLIPRING MOTORS (PI take prior confirmation for RV/RA)</b>	7.5%

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
2.1	<b>MOUNTING</b> All types of mounting other than B3 (Foot) for all types of motors Extra loading on Foot mounted ALP Frames 63 to 160 180 to 450 for 400 only B3,B35 & V1 is possible to offer For 450/500 only B3 & B35 is possible to offer Please refer catalogue baseline or contact CG branch office	3% 5% 5% 5%
2.2	<b>FORCED COOLING ARRANGEMENT * (ONLY SAFE AREA MOTORS)</b> <b>NOT APPLICABLE FOR 2 POLE MOTORS</b> ND 160 / 180 ND 200 / 225 ND 250 ND 280 ND 315 S/M/L ND 355 / NG355 ND 400 / NG400 / ND450 / ND500	₹ 7700/- ₹ 18150/- ₹ 26400/- ₹ 31900/- ₹ 35200/- ₹ 42900/- ₹ 57200/-
2.3	<b>SPECIAL FIXING DIMENSIONS OTHER THAN IS 1231/2223 / IEC 60072.</b> To be offered for TEFC SCR / SR motors for frame 160 and above. (Shall be offered with fabricated stator body). Please refer to CG branch office for concurrence	20 % Extra 4 weeks delivery over SDT
2.4	<b>Fabricated stator body but fixing dimensions as per IS for frame 160 &amp; above (ND frames only)</b>	20% (Delivery 4 weeks extra to SDT )
2.5	<b>DOUBLE TERMINAL BOX FOR SLIPRING MOTORS</b> Frames 315, 355 , 400 & 450 STD TEFC	₹ 8800/-
2.6	<b>FLYING LEADS ( 1 meter &amp; 6 leads), W/O T. Box</b> Frames ND 80 to ND 355 For extra TB( Loose)	5% 3%

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																															
2.7	<p><b>SPECIAL SHAFT EXTENSION</b>            Standard double shaft extension (DE/NDE identical)            Non-standard single / double shaft with diameter and length less than standard dimensions            (This feature is not in FLP SR and SPDP SR enclosures)</p> <p>For D or E more than IS, please refer to division</p> <p>Taper single shaft extension taper 1:10            Taper double shaft extension taper 1:10            For taper other than above,            Special shaft material EN 24 grade</p> <p>Stainless steel shaft ( Upto &amp; including 180 frames)</p>	<p>5% 10%</p> <p>5% 10% Refer to CG Sales office 10% extra price &amp; extra delivery of 4 weeks.</p> <p>15% extra price &amp; extra delivery of 4 weeks.</p>																															
2.8	Degree of protection as per IEC 60034-5 IP 66, IP65, IP56 for TEFC SCR motors in frame 63-500	5%																															
2.9	<p><b>CUSTOM SIZE FABRICATED TERMINAL BOX</b>            One size higher terminal box can be supplied for TEFC SCR motors as per table below</p> <table border="1"> <thead> <tr> <th>Frame</th> <th>with STD TB</th> <th>One size higher T Box</th> </tr> </thead> <tbody> <tr> <td>ND160</td> <td>2R x 3C x 35 sq mm</td> <td>2R x 3C x 95 sq mm</td> </tr> <tr> <td>ND180</td> <td>2R x 3.5C x 35 sq mm</td> <td>2R x 3C x 95 sq mm</td> </tr> <tr> <td>ND200</td> <td>2R x 3C x 95 sq mm</td> <td>2R x 3C x 150 sq mm</td> </tr> <tr> <td>ND225</td> <td rowspan="3">2R x 3C x 150 sq mm</td> <td rowspan="3">2R x 3C x 240sq mm</td> </tr> <tr> <td>ND250</td> </tr> <tr> <td>ND280</td> </tr> <tr> <td>ND315</td> <td>2R x 3C x 185 sq mm</td> <td>2R x 3C x 240 sq mm</td> </tr> <tr> <td>ND355</td> <td>2R x 3.5C x 240 sq mm</td> <td>2R x 3.5C x 300 sq mm</td> </tr> <tr> <td>ND355LX</td> <td>2R x 3C x 240 sq mm</td> <td>2R x 3C x 300 sq mm</td> </tr> <tr> <td>ND400LX</td> <td>2R x 3C x 400 sq mm</td> <td rowspan="2">Not Applicable</td> </tr> <tr> <td>NG400LX</td> <td>4R x 3C x 400 sq mm</td> </tr> </tbody> </table> <p>Refer DPA portal for 2 size &amp; 3 size higher cable size</p>	Frame	with STD TB	One size higher T Box	ND160	2R x 3C x 35 sq mm	2R x 3C x 95 sq mm	ND180	2R x 3.5C x 35 sq mm	2R x 3C x 95 sq mm	ND200	2R x 3C x 95 sq mm	2R x 3C x 150 sq mm	ND225	2R x 3C x 150 sq mm	2R x 3C x 240sq mm	ND250	ND280	ND315	2R x 3C x 185 sq mm	2R x 3C x 240 sq mm	ND355	2R x 3.5C x 240 sq mm	2R x 3.5C x 300 sq mm	ND355LX	2R x 3C x 240 sq mm	2R x 3C x 300 sq mm	ND400LX	2R x 3C x 400 sq mm	Not Applicable	NG400LX	4R x 3C x 400 sq mm	<p>One size higher to be loaded 3%</p> <p>for two size higher - 5% For three size higher - 8%</p>
Frame	with STD TB	One size higher T Box																															
ND160	2R x 3C x 35 sq mm	2R x 3C x 95 sq mm																															
ND180	2R x 3.5C x 35 sq mm	2R x 3C x 95 sq mm																															
ND200	2R x 3C x 95 sq mm	2R x 3C x 150 sq mm																															
ND225	2R x 3C x 150 sq mm	2R x 3C x 240sq mm																															
ND250																																	
ND280																																	
ND315	2R x 3C x 185 sq mm	2R x 3C x 240 sq mm																															
ND355	2R x 3.5C x 240 sq mm	2R x 3.5C x 300 sq mm																															
ND355LX	2R x 3C x 240 sq mm	2R x 3C x 300 sq mm																															
ND400LX	2R x 3C x 400 sq mm	Not Applicable																															
NG400LX	4R x 3C x 400 sq mm																																
2.10	<p><b>FAULT LEVEL</b> : 50 kA for 0.25 sec. with certificate            Please refer to division for higher fault level (160 &amp; above frame)</p>	₹ 55000/-																															

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																																													
2.11	<p><b>SPECIAL BEARINGS</b> Online greasing arrangement for frame 160-225 (Our standard bearings are greased for life.) (To be agreed for projects only if Sealed bearings are not acceptable) <i>Re-gresable bearings are provided as a standard for Frame 250 and above.</i></p> <p>C4 clearance bearing in frame 160-225 ( 2 Pole Only)</p> <p>*For FLP Motors re-greasable bearing can be provided from E160 &amp; onwards. Angular contact for 160-450 frames. Please refer to division. Bearing Suitable for 40° C</p>	<p>₹ 1320/- per motor and 4 weeks extra delivery</p> <p>₹ 3850/- per motor and 10 weeks extra delivery</p> <p>VPI Charges +10%</p>																																													
2.13	<p><b>INSULATED BEARINGS AT NON DRIVING END (NDE)</b> Can be provided for 160-225 frame at 20000/- <b>NDE BEARING Selection</b></p> <table border="1"> <thead> <tr> <th>Type</th> <th>Price in Rs.</th> <th>Frame</th> <th>2 pole</th> <th>4Pole &amp; up</th> </tr> </thead> <tbody> <tr> <td>6314</td> <td>33000</td> <td>ND250M/MX</td> <td>6314</td> <td>6314</td> </tr> <tr> <td>6315</td> <td>33000</td> <td>ND280S/M</td> <td>6314</td> <td>6318</td> </tr> <tr> <td>6316</td> <td>33000</td> <td>ND315S/M/L/LX</td> <td>6315</td> <td>6319</td> </tr> <tr> <td>6318</td> <td>33000</td> <td>ND355S/M/L</td> <td>6316</td> <td>6319</td> </tr> <tr> <td>6319</td> <td>33220</td> <td>ND355LX</td> <td>6316</td> <td>6322</td> </tr> <tr> <td>6322</td> <td>42350</td> <td>E355/ND400LX/NG355</td> <td>6318</td> <td>6322</td> </tr> <tr> <td>6324</td> <td>60500</td> <td>ND450LX</td> <td>NA</td> <td>6326</td> </tr> <tr> <td>6326</td> <td>95150</td> <td>E400</td> <td>6318</td> <td>6324</td> </tr> </tbody> </table>	Type	Price in Rs.	Frame	2 pole	4Pole & up	6314	33000	ND250M/MX	6314	6314	6315	33000	ND280S/M	6314	6318	6316	33000	ND315S/M/L/LX	6315	6319	6318	33000	ND355S/M/L	6316	6319	6319	33220	ND355LX	6316	6322	6322	42350	E355/ND400LX/NG355	6318	6322	6324	60500	ND450LX	NA	6326	6326	95150	E400	6318	6324	
Type	Price in Rs.	Frame	2 pole	4Pole & up																																											
6314	33000	ND250M/MX	6314	6314																																											
6315	33000	ND280S/M	6314	6318																																											
6316	33000	ND315S/M/L/LX	6315	6319																																											
6318	33000	ND355S/M/L	6316	6319																																											
6319	33220	ND355LX	6316	6322																																											
6322	42350	E355/ND400LX/NG355	6318	6322																																											
6324	60500	ND450LX	NA	6326																																											
6326	95150	E400	6318	6324																																											
2.14	<p><b>ROLLER BEARING ON DE SIDE only for V Belt application (Not applicable up to 132 frame )</b> Frames 160 TO 180 Frames 200 TO 250 Frames 280 TO 315 Frames 355 Frames 400 TO 500 * For FLP motors roller bearings shall be provided from E160 and above frames.</p>	<p>₹ 3520/- ₹ 5170/- ₹ 5500/- ₹ 6600/- ₹ 9900/-</p>																																													
2.15	<p><b>NOISE LEVEL (As per IS 12065.)</b> &lt;= 85 dB(A) @ 1 m at no load for 4 pole motors and above &lt;= 90 dB (A) @ 1 m at no load for all 2 pole motors. For lower noise level please refer to division</p>	<p>No extra 3% 3%</p>																																													

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																																																																																																								
2.16	<b>Tacho (encoder) mounting arrangement for frame 160- above TEFC SCR Motors</b> For other frames refer to division	5% OR ₹ 8250/- whichever is lower																																																																																																								
2.17	<p><b>BRAKE MOTORS</b> Brake Mounting Arrangement if brakes in CG scope (Only brake mounting arrangement will not be provided) <b>In addition Refer the following Brake kit prices to be added in respective type of Motor Net Price</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center;">Flameproof Motors</th> </tr> <tr> <th></th> <th colspan="3" style="text-align: center;">Gas Group IIA/IIB</th> <th colspan="2" style="text-align: center;">Gas Group IIC</th> </tr> <tr> <th style="text-align: center;">Frame</th> <th style="text-align: center;">Brake size</th> <th style="text-align: center;">Brake Torque NM</th> <th style="text-align: center;">Brake &amp; kit prices</th> <th style="text-align: center;">Brake Torque NM</th> <th style="text-align: center;">Brake kit Net price</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">90</td><td style="text-align: center;">10</td><td style="text-align: center;">16</td><td style="text-align: center;">17600</td><td style="text-align: center;">16</td><td style="text-align: center;">22000</td></tr> <tr><td style="text-align: center;">100</td><td style="text-align: center;">12</td><td style="text-align: center;">32</td><td style="text-align: center;">23100</td><td style="text-align: center;">32</td><td style="text-align: center;">26125</td></tr> <tr><td style="text-align: center;">112</td><td style="text-align: center;">14</td><td style="text-align: center;">60</td><td style="text-align: center;">25300</td><td style="text-align: center;">60</td><td style="text-align: center;">28875</td></tr> <tr><td style="text-align: center;">132</td><td style="text-align: center;">16</td><td style="text-align: center;">100</td><td style="text-align: center;">33000</td><td style="text-align: center;">100</td><td style="text-align: center;">36575</td></tr> <tr><td style="text-align: center;">160</td><td style="text-align: center;">16</td><td style="text-align: center;">100</td><td style="text-align: center;">34100</td><td style="text-align: center;">100</td><td style="text-align: center;">40700</td></tr> <tr><td style="text-align: center;">180</td><td style="text-align: center;">18</td><td style="text-align: center;">150</td><td style="text-align: center;">44000</td><td style="text-align: center;">150</td><td style="text-align: center;">46200</td></tr> </tbody> </table> <p>Brakes in E200 &amp; above frames cannot be offered.</p> <p><b>Crane Duty Brake Motor</b> Please add Brake kit Price to S4 duty IE2 Prices after discount.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr No</th> <th style="text-align: center;">Frame</th> <th style="text-align: center;">Brake Size</th> <th style="text-align: center;">Brake Torque (Nm)</th> <th style="text-align: center;">Brake Kit ALP</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1</td><td style="text-align: center;">80</td><td style="text-align: center;">8</td><td style="text-align: center;">8</td><td style="text-align: center;">5280</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">90</td><td style="text-align: center;">10</td><td style="text-align: center;">16</td><td style="text-align: center;">7260</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">100</td><td style="text-align: center;">12</td><td style="text-align: center;">32</td><td style="text-align: center;">9432</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">112</td><td style="text-align: center;">14</td><td style="text-align: center;">60</td><td style="text-align: center;">10780</td></tr> <tr><td style="text-align: center;">5</td><td style="text-align: center;">132</td><td style="text-align: center;">16</td><td style="text-align: center;">100</td><td style="text-align: center;">14822</td></tr> <tr><td style="text-align: center;">6</td><td style="text-align: center;">160M</td><td style="text-align: center;">18</td><td style="text-align: center;">150</td><td style="text-align: center;">21422</td></tr> <tr><td style="text-align: center;">7</td><td style="text-align: center;">160L</td><td style="text-align: center;">20</td><td style="text-align: center;">260</td><td style="text-align: center;">27720</td></tr> <tr><td style="text-align: center;">8</td><td style="text-align: center;">180</td><td style="text-align: center;">25</td><td style="text-align: center;">400</td><td style="text-align: center;">38665</td></tr> <tr><td style="text-align: center;">9</td><td style="text-align: center;">200</td><td style="text-align: center;">25</td><td style="text-align: center;">400</td><td style="text-align: center;">48642</td></tr> </tbody> </table>	Flameproof Motors							Gas Group IIA/IIB			Gas Group IIC		Frame	Brake size	Brake Torque NM	Brake & kit prices	Brake Torque NM	Brake kit Net price	90	10	16	17600	16	22000	100	12	32	23100	32	26125	112	14	60	25300	60	28875	132	16	100	33000	100	36575	160	16	100	34100	100	40700	180	18	150	44000	150	46200	Sr No	Frame	Brake Size	Brake Torque (Nm)	Brake Kit ALP	1	80	8	8	5280	2	90	10	16	7260	3	100	12	32	9432	4	112	14	60	10780	5	132	16	100	14822	6	160M	18	150	21422	7	160L	20	260	27720	8	180	25	400	38665	9	200	25	400	48642	10%
Flameproof Motors																																																																																																										
	Gas Group IIA/IIB			Gas Group IIC																																																																																																						
Frame	Brake size	Brake Torque NM	Brake & kit prices	Brake Torque NM	Brake kit Net price																																																																																																					
90	10	16	17600	16	22000																																																																																																					
100	12	32	23100	32	26125																																																																																																					
112	14	60	25300	60	28875																																																																																																					
132	16	100	33000	100	36575																																																																																																					
160	16	100	34100	100	40700																																																																																																					
180	18	150	44000	150	46200																																																																																																					
Sr No	Frame	Brake Size	Brake Torque (Nm)	Brake Kit ALP																																																																																																						
1	80	8	8	5280																																																																																																						
2	90	10	16	7260																																																																																																						
3	100	12	32	9432																																																																																																						
4	112	14	60	10780																																																																																																						
5	132	16	100	14822																																																																																																						
6	160M	18	150	21422																																																																																																						
7	160L	20	260	27720																																																																																																						
8	180	25	400	38665																																																																																																						
9	200	25	400	48642																																																																																																						

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																
2.18	<p><b>ANTI CORROSIVE TREATMENT/PAINT</b>            For TEFC SR, SPDP-SCR/SR: Paint Shade - 631 as per IS:5            For Apex Series - IE2 motors : Paint Shade - RAL 7034            For Apex Series - IE3 motors : Paint Shade - RAL 5021            Anti-Corrosive Paint (With Above mentioned paint shade)            Paint Shade other than above mentioned shades            For Additional thickness up to 130 microns            C3-M/C4-M/C5-M painting for standard paint shade (Applicable for min order value of 30 Lakh. Not Applicable for IIC)            C3-M/C4-M/C5-M painting for non standard paint shade (Applicable for min order value of 50 Lakh. Not Applicable for IIC)            For any other painting shade, material or procedure, please refer to nearest Branch Office            Confirmation for minimum order quantity to be taken from division  <b>Fan cover will be black powder coated for NG (up to 132 Frame) /GD series motors</b></p>	<p>No Extra Charges</p> <p>3% 5% subject to max 16,500/- 5% 12.5% 20%</p>																
2.19	<p><b>JACKING OUT HOLES ON MOTOR FEET</b>            Jacking out holes on motor feet are provided as a default for 315 &amp; Above            Jacking out holes on motor feet for 225, 250 &amp; 280 Frames            Soft Foot (Upto 200 Microns)            Consult div for lower than 200 Microns</p>	<p>No Extra 2% 5%</p>																
2.20	<p><b>VIBRATION LEVEL</b>            Vibration level (mm/sec.) shall be as per normal class as per IEC690034-14            Limits of max vibration magnitude in velocity (mm/sec) for vibration grade is as mentioned in table.</p> <table border="1"> <thead> <tr> <th>Shaft Height H mm</th> <th>56≤H≤132</th> <th>132≤H≤280</th> <th>H&gt;280</th> </tr> </thead> <tbody> <tr> <td>Vibration Grade</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>1.6</td> <td>2.2</td> <td>2.8</td> </tr> <tr> <td>B</td> <td>0.7</td> <td>1.1</td> <td>1.8</td> </tr> </tbody> </table> <p>For any other value please refer to division</p>	Shaft Height H mm	56≤H≤132	132≤H≤280	H>280	Vibration Grade				A	1.6	2.2	2.8	B	0.7	1.1	1.8	<p>No Charges – A 20% – B</p>
Shaft Height H mm	56≤H≤132	132≤H≤280	H>280															
Vibration Grade																		
A	1.6	2.2	2.8															
B	0.7	1.1	1.8															
2.21	<p><b>STAINLESS STEEL HARDWARE –</b>            Upto Frame 225            Frame 250 and above  <i>*Not available for aluminum motors (GD frame) &amp; FLP Motors</i>  <b>Brass Studs</b>            Frame 63 to 225            250 to 355            400 &amp; Above</p>	<p>₹ 1650/- ₹. 2750/-</p> <p>₹ 6050/- ₹ 12100/- Refer Division</p>																

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.





## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
2.22	<b>TOTALLY ENCLOSED MOTORS WITHOUT FAN :</b> Deration factor = 0.5	ALP as per selected frame
2.23	<b>AIR STREAM RATED MOTOR :</b> Totally enclosed motor cooled because of fan Directly mounted on motor shaft. Output as per TEFC motors	ALP as per TEFC frame
2.24	<b>MS Canopy</b> ( For motors with terminal box on RHS / LHS ONLY for SAFE AREA & FLP) Frames 80 to 132 Frames 160 to 200 Frames 225 to 250 Frames 280 to 315 Frames 355 FRP Canopy (with terminal box on RHS / LHS ONLY) - For Safe Area only	₹ 1650/- ₹ 2200/- ₹ 3850/- ₹ 6600/- ₹ 8800/- 7.50% sub to max of ₹ 19800/-
2.25	<b>ENCLOSURE</b> Increased safety type 'e' (Ex 'eb' )motors as per IEC 60079-7 with anticorrosive paint  Non sparking type 'N' (Ex 'nA') motors as per IEC60079-15 with anti-corrosive paint. (From 80 to 355 CI frames only) (Price basis-For selected frame size, highest kW ALP to be taken as base)	15%  7.50%

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 3) HAZARDOUS AREA MOTORS THAT CAN BE OFFERED:

3.1 For Increased Safety Ex“eb” & Non Sparking Ex“nA” Motors				
ZONE	GAS GROUP	TEMP. CLASS	FRAME	Certification Options
2	IIC	T1,T2,T3	ND 90 TO ND 355L	PESO
22	IIIC(Dust Group)	T1,T2,T3	ND 90 TO ND 355L	KARANDIKAR TEST

3.2 For Flameproof Motors Ex”db”- Indian Approval				
ZONE	GAS GROUP	TEMP. CLASS	FRAME	Certificates options
1	IIA, IIB	T1, T2 T3, T4	E80-E400LX	PESO
	I		E90-E315L	DGMS (Coal Mine)
	IIA, IIB		E80-E355LX	ERTL (Oil Mine)
	IIC		Refer to division/ Nearest Branch Office Frames Covered E80 to E315M # & E355LX Terminal box will be on TOP only # E315M TEMP CLASS UPTO T3 ONLY	

3.3 For Flameproof Motors Ex'db' - WITH BASEEFA/ATEXIECEX APPROVALS			
1	IIA, IIB	T1,T2,T3,T4	10% EXTRA OVER STANDARD FLAMEPROOF MOTORS FRAMES COVERED ARE E 80 TO E315L. E400LX (Only ATEX)
1	IIC	T1,T2,T3,T4	10% EXTRA OVER STANDARD FLAMEPROOF MOTORS FRAMES COVERED ARE E 80 TO E315M & E355LX (Only ATEX)

For IECEx Certification in IIA, IIB& IIC refer to division

### 4) PRICING POLICY FOR SPECIAL MOTORS

4.1	Smart Motor Kit (280 to ND355 Frame) -SMARTOR	₹ 27500/-
	Smart motor kit (280 to ND355 Frame)- SMARTOR Plus <i>(Price only for kit, Monthly subscription &amp; Installation charges extra)</i>	₹ 33000/-
4.2	Dust Proof Motor	1.4 times of ALP (No discount)
4.3	Roller Table Motors available (4,6,8,10 & 12 Poles)	Refer division for Frame Selection
4.4	For CI Body with Circular Fins (Available in NR160,R250,NR315L,NR355L Frames)	20% Extra over IE2
4.5	For Fabricated body with Circular Fins (Available in 132,180,200,225,280 Frames)	35% Extra Over IE2

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 5) ACCESSORIES

Sr .No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
5.1	<p><b>SPACE HEATERS -</b> Space heaters are terminated in auxiliary terminal box on top of main terminal box (Except for all FLP motors &amp; TEFC motors in 160-180 for which heater terminals are terminated in main terminal box.) (Space heaters are provided as a standard feature for standard DDI TEFC SCR motors in frame 280 and above.) <b>For Safe Area motors</b> For frames 63 to 112 For Frame 132 For frames 160 to 180 For frames 200 to 250 For frames 280 to 500 <b>FLP (ATEX) / Ex"eb" /Ex"nA"</b> <b>(Add 2% extra in case separate auxiliary terminal box is required)</b> For frames 160 to 180 FLP For frames 200 to 250 FLP For frames 280 to 315 FLP For frame 355 to 400 terminal box charges for separate Aux box</p>	<p>Not Available ₹ 2200 ₹ 2750/- ₹ 4950/- Nil  ₹ 9570/ - ₹ 10450/- ₹ 13750/- ₹ 3300/-</p>
5.2	<p><b>THERMISTORS (Without relays ) 80 frames above(80 frame in FLP not possible)</b> varieties : PTC -110, PTC-130, PTC-150 3 nos per motor Frame 80- 450 6 nos (PTC 130-3 nos&amp; PTC 150- 3 nos) per motor 160-450 <b>For FLP, type Ex"eb" , Ex"nA"</b> PTC 130 ° C - 3 nos PTC 150 ° C - 3 nos</p>	<p>₹ 2860/- ₹ 5170/-  ₹ 5500/- ₹ 6490/-</p>
5.3	<p><b>RTD's 160 frames and above</b> (Not applicable for FLP motors) 3 Wire Simplex RTD PT100- 3 nos. 3 Wire Simplex RTD PT100- 6 nos. 6 Wire Duplex RTD PT100- 3 nos. 160 to 200 - Extra Price for TB due to RTD arrangement 6 Wire Duplex RTD PT100- 6 nos. (315 frame &amp; above only). Applicable for type Ex"eb" , Ex"nA" also.</p>	<p>₹ 8250/- ₹ 13750/- ₹13750/- 6% ₹ 26950/-</p>
5.3A	Vibration Probe Mounting Arrangement, 18X25mm (Probe not in CG Scope) SPM (Shock Pulse Monitor ) Holes	₹ 6050/-

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 5) ACCESSORIES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
5.4	<b>BEARING TEMPERATURE DETECTOR (2 Nos.) ROD Type (Duplex) without wiring (not possible for FLP motor)</b> Frames 160 to 225 250 to ND355 NG355 & Above Ex'eb' & Ex'nA' motors BTD BTB Termination in Separate Terminal Box <i>For slip ring motors BTB will be on DE side only</i>	₹ 8800/- ₹ 9900/- No Extra ₹ 33000/- ₹ 5500/-
5.5	<b>Cable sealing box</b> for group I for frame 160-200 flameproof motors For 225-315 frame flameproof motors 1 No. S. Box is provided as standard For frame 90-132 (not available in frame 80) EPDM Gasket	₹ 2200/- ₹ 2420/- ₹ 1870/- ₹ 1650/-
5.6	Additional nameplates	₹ 550/-
5.7	Direction arrow plate	₹ 660/-
5.8	<b>FLP Plug and socket arrangement : (SAFEX Make)</b> 30 Amps, 600 volts 110 Amps, 600 volts 150 Amps, 600 volts Plug and Socket Arrangement for Safe Area	₹ 21780/- ₹ 25410/- ₹ 31460/- Refer Division
5.9	<b>DOUBLE COMPRESSION GLANDS (Per run of Cable) For single Run / Conical Gland / FLP( Ex“db”) &amp; Ex“eb”, Ex“nA”</b> Upto frame 160 180 to 225 250 to 355 Space heater gland and thermistors glands # Compression glands suitable for gas IIA, IIB and IIC Metallic sealing plug per run EIL Approved Cable Glands	<b>STD / CONICAL / Hazardous area</b>  ₹ 1650 / ₹ 2475 / ₹ 4950 ₹. 2750 / ₹ 4070 / ₹ 9900 ₹. 3520 / ₹ 5280 / ₹ 23100 ₹. 1210 / NA / ₹ 1980  50% of gland Price Same as rates of FLP Glands
5.10	<b>FINISHING AND PACKING</b> Motor to be delivered in unpacked condition Motor to be delivered with only red oxide primer coat Seaworthy/export packing case for home market (Without fumigation certificate) Regular wooden packing case (where CG STD is Steel Frame)	No reduction No reduction 7.50% 5%

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 6) SPECIAL MOTORS

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
6.1	<b>INSULATIONS CLASS</b> Class 'H' insulation For frame 63-500	10%
6.2	<b>MULTI SPEED MOTORS (Only for Safe Area)</b> Single tapped winding type with 2/4, 4/8, 4/6, 6/8 P Motors Dual speed motors with separate winding or polarity above 8 pole Dual speed motor with more than 2 speeds	10% additional price for higher polarity 17.5% of higher price for among polarity  25% on ALP of highest polarity
6.3	<b>Motor with higher polarity</b> Extra Loading on 8P Motor ALP- (Higher Frame in that KW) 10 pole 12 pole 16 pole	10% 15% 20%
6.4	<b>CRANE DUTY MOTORS :</b> Intermittent Duty (other than S1)	For ratings, frames not covered in price lists please load 5% extra over identified frame/rating ALP
6.5	<b>EPOXY GEL COAT(63 to 500 frames)</b>	2%
6.6	<b>CLEAN FLOW CONSTRUCTION</b> for TEFC SCR textile motors Frames 90 to 132	Refer AC Textile Motors page given separately

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



## SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

### 7) TESTING CHARGES

INSPECTION / TEST WITNESSING BY CUSTOMER / CONSULTANT

Inspection arrangements and third party inspection charges are in customer's scope. In addition following would be

Inspection charges for witnessing tests:

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
7.1	Inspection as per CG STD QAP <b>Routine testing per motor:</b> Frames 63 to 160 Frames 180 to 250 Frames 280 to 500 Additional No Load running over routine testing  Inspection as per Customer format of QAP	₹ 2750/- ₹ 3850/- ₹ 4950/- ₹ 1100/- Per Motor  5% + Net Charges as given above
7.2	<b>Type testing per motor</b> Frames 63 to 160 Frames 180 to 250 Frames 280 to 315 Frame 355 Frame 400/ 500(part load testing shall be done depending on test capacity) 100% Dimension check (all Qty in a Lot of similar frame) will be Chargeable	₹ 6050/- ₹ 9075/- ₹ 13915/- ₹ 16940/- ₹ 30250/- 25% of Type test charge per Motor
7.3	<b>FLP Pressure test per motor</b> Frame 80 to 160 Frame 180 to 400	₹ 3630/- ₹ 9680/-
7.4	IInd numeral IP55 test per motor (Prior confirmation from division shall be taken)	₹ 5500/-
7.5	<b>Testing with inverter drive</b> (with ERTL/ KRANDIKAR witness) customer to arrange power analyzer along with drive (Without ERTL/KARANDIKAR witness)	₹ 1,92,500/- per motor ₹ 60,500/- per motor
7.6	<b>DOCUMENTS CHARGES (technical/ commercial)</b> Documents for approval / submission Marine motor documentation: please refer such enquiries to division.	₹ 1650/- per rating ₹ 15400/- per rating

1) All % (percentage) figures are to be loaded on list price

2) All ₹ Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-standard features / Accessories not explicitly covered in this price list, please contact to nearest branch office.



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034

**SUPER PREMIUM EFFICIENCY - IE4**



OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 R	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	-	-	-	-	PC80	21500
0.55	0.75	PC80	19095	PC80	20295	PC80	22120
0.75	1.00	PC80	19740	PC80	20555	PC90S	24885
1.10	1.50	PC80	21535	PC90S	25370	PC90L	27290
1.50	2.00	PC90S	24685	PC90L	30835	PC100L	41825
2.20	3.00	PC90L	31675	PC100L	36685	PC112M	44165
3.70	5.00	PC100L	40555	PC112M	46505	PC132S	65075
5.50	7.50	PC132S	64100	PC132S	64525	PC132M	79965
7.50	10.00	PC132S	66375	PC132M	76260	PC160M	119220
9.30	12.50	PC160M	111805	PC160M	118930	PC160L	129920
11	15	PC160M	115905	PC160M	123020	PC160L	146730
15	20	PC160M	135770	PC160L	149980	PC180L	191670
18.5	25	PC160L	174470	PC180M	191895	PC200L	273715
22	30	PC180M	193590	PC180L	210175	PC200L	301035
30	40	PC200L	287795	PC200L	289975	PC225M	421090
37	50	PC200L	349450	PC225S	339045	PC250M	566255
45	60	PC225M	449705	PC225M	410980	PC280S	678250
55	75	PC250M	605345	PC250M	564760	PC280M	778865
75	100	PC280S	726930	PC280S	660850	PC315S	893845
90	120	PC280M	838500	PC280M	769755	PC315M	1118490
110	150	PC315S	1059175	PC315S	932350	PC315M	1247200
132	180	PC315M	1301730	PC315M	1092475	PC315L	1455970
160	215	PC315L	1425955	PC315L	1381760	PC315L	1515995
180	240	PC315L	1501100	PC315L	1493595	PC355L	1852010
200	270	PC315L	1664770	PC315L	1555995	PC355L	1944560
225	300	PC355L	1761675	PC355L	1920890	PC355L	2027450
250	335	PC355L	1864730	PC355L	1959295	PC355L	2128845
275	370	PC355L	1974155	PC355L	2075550	PC355L	2406555
315	425	PC355L	2021630	PC355L	2227830	PC355L	2979145



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034

**PREMIUM EFFICIENCY - IE3 (Cast Iron Series)**



OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.5	-	-	-	-	NG80	16525	ND90S	20165
0.55	0.75	NG80	14705	NG80	15225	NG80	16980	ND90L	22050
0.75	1.00	NG80	15195	NG80	15450	NG90S	20030	ND100L	27095
1.10	1.50	NG80	16555	NG90S	19890	NG90L	21900	ND100L	32945
1.50	2.00	NG90S	18960	NG90L	23155	NG100L	33630	ND112M	38185
2.20	3.00	NG90L	24360	NG100L	27580	NG112M	35495	ND132S	50540
3.70	5.00	NG100L	32640	NG112M	34935	NG132S	52325	ND160M	78670
5.50	7.50	NG132S	49305	NG132S	50660	NG132M	64295	ND160M	120000
7.50	10.00	NG132S	51025	NG132M	59870	ND160M	91710	ND160L	124615
9.30	12.50	ND160M	85985	ND160M	93395	ND160L	99935	ND180M	162045
11	15.00	ND160M	93195	ND160M	96625	ND160L	112910	ND180L	170895
15	20	ND160M	104455	ND160L	117805	ND180L	154150	ND200L	240580
18.5	25	ND160L	134175	ND180M	144195	ND200L	210530	ND225S	308705
22.0	30	ND180M	148910	ND180L	157920	ND200L	231570	ND225M	371110
30	40	ND200L	221360	ND200L	217845	ND225M	323890	ND250M	501050
37	50	ND200L	268805	ND225S	266300	ND250M	435590	ND280S	653435
45	60	ND225M	345940	ND225M	322805	ND280S	545455	ND280M	702315
55	75	ND250MX	465645	ND250MX	424310	ND280M	626360	ND315S	765955
75	100	ND280S	607975	ND280S	539875	ND315S	715125	ND315M	951060
90	120	ND280M	701325	ND280M	628845	ND315M	894790	ND315L	1287810
110	150	ND315S	847350	ND315S	761635	ND315M	997780	ND315LX	1363355
125	170	ND315M	994200	ND315M	867635	ND315LX	1136960	ND315LX	1497885
132	180	ND315M	1041415	ND315M	892460	ND315LX	1164760	ND315LX	1579535
160	215	ND315LX	1140765	ND315LX	1128770	ND315LX	1267920	ND355LX	1835200
180	240	ND315LX	1200890	ND315LX	1220120	ND355LX	1548935	ND355LX	1882870
200	270	ND315LX	1331810	ND315LX	1271115	ND355LX	1626385	ND355LX	2017045
225	300	ND355LX*	1473395	ND355LX	1500975	ND355LX	1695665	ND355LX	2865815
250	335	ND355LX*	1559610	ND355LX	1600580	ND355LX	1780455	-	-
275	370	ND355LX*	1579310	ND355LX	1621850	ND355LX	2012755	-	-
315	425	ND355LX*	1690805	ND355LX*	1819960	ND355LX*	2383340	-	-
355	473	-	-	ND355LX*	2114895	-	-	-	-
375	500	-	-	ND355LX*	2416635	-	-	-	-

275KW/2Pole is suitable for 40°C Amb/70 °C temperature rise

Standard Paint Shade: RAL5021 (Water Blue) Epoxy

\*These are suitable to temperature rise limited to class F

Temp rise with VFD (Variable Torque) in same frame shall be limited to class F .If customer require with rise B please refer nearest branch.





**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V,3 Phase 50Hz+/- 5% AC supply with ambient 50°C,Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034



**PREMIUM EFFICIENCY - IE3 (Aluminium Series)**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	GD71	11255	GD71	11565	GD80	16460
0.55	0.75	GD71	14620	GD80	15165	GD80	16865
0.75	1.00	GD80	15100	GD80	15370	GD90S	19010
1.10	1.50	GD80	16490	GD90S	18940	GD90L	20845
1.50	2.00	GD90S	18875	GD90L	23055	GD100L	32030
2.20	3.00	GD90L	24245	GD100L	27440	GD112M	33835
3.00	4.00	GD100L	28630	GD112M	31485	GD132S	49810
3.70	5.00	GD100L	31075	GD112M	34785	GD132S	49810
4.00	5.50	GD112M	38455	GD112M	40020	GD132S	53445
5.50	7.50	GD132S	49095	GD132S	48250	GD132M	61235
7.50	10.00	GD132S	50795	GD132M	57015	-	-
9.3*	12.50	GD132M	76665	GD132M	79220	-	-

Standard paint shade: RAL5021 (Water Blue)

For other ratings please contact nearest CG Office

\* Ratings are with F class temperature rise



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034



**HIGH EFFICIENCY - IE2 (CAST IRON Series)**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	-	-	-	-	ND80	14380	ND90S	17500
0.55	0.75	-	-	ND80	13240	ND80	14770	ND90L	19160
0.75	1.00	ND80	13240	ND80	13435	ND90S	16625	ND100L	23550
1.10	1.50	ND80	14380	ND90S	17345	ND90L	18245	ND100L	28650
1.50	2.00	ND90S	16525	ND90L	20130	ND100L	26250	ND112M	33205
2.20	3.00	ND90L	21205	ND100L	23970	ND112M	27935	ND132S	43935
3.70	5.00	ND100L	27510	ND112M	31760	ND132S	45490	ND160M	71500
5.50	7.50	ND112M	35550	-	-	-	-	-	-
5.50	7.50	ND132S	46855	ND132S	44100	ND132M	55935	ND160M	89350
7.50	10.00	ND132S	50900	ND132M	49820	ND160M	81660	ND160L	108360
9.30	12.50	ND132M	70895	NG132M	68880	-	-	ND180M	140905
9.30	12.50	ND160M	81985	ND160M	80520	ND160L	93020	-	-
11	15	ND160M	90475	ND160M	83190	ND160L	100485	ND180L	148585
15	20	ND160M	93005	ND160L	104890	ND180L	131250	ND200L	209165
18.5	25	ND160L	119510	ND180M	134190	ND200L	187375	ND225S	268415
22	30	ND180M	134240	ND180L	146970	ND200L	210960	ND225M	322720
30	40	ND200L	197100	ND200L	202800	ND225M	288385	ND250M	435690
37	50	ND200L	239315	ND225S	226790	ND250M	387760	ND280S	568175
45	60	ND225M	307960	ND225M	274885	ND280S	485585	ND280M	610705
55	75	ND250MX	414585	ND250MX	377740	ND280M	557655	ND315S	666005
75	100	ND280S	541265	ND280S	480650	ND315S	651455	ND315M	826970
90	120	ND280M	624390	ND280M	559835	ND315M	815120	ND315L	1119850
110	150	ND315S	771870	ND315S	693815	ND315M	908905	ND315LX	1239400
125	170	ND315M	946885	ND315M	790365	ND315LX	1035755	ND315LX	1302510
132	180	ND315M	948675	ND315M	813005	ND315LX	1061055	ND315LX	1373500
150	201	-	-	ND315LX	903575	-	-	-	-
160	215	ND315LX	1039170	ND315LX	953860	ND315LX	1155050	ND355LX	1595800
180	240	ND315LX	1094000	ND315LX	1014505	ND355LX	1279425	ND355LX	1637260
200	270	ND315LX	1213245	ND315LX	1107560	ND355LX	1369775	ND355LX	1753935
225	300	ND355LX*	1366120	ND355LX	1331730	ND355LX	1410910	ND355LX	2492015
250	335	ND355LX*	1399190	ND355LX	1413020	ND355LX	1508550	-	-
275	370	ND355LX*	1438730	ND355LX	1477460	ND355LX*	1753835	-	-
315	425	ND355LX*	1540265	ND355LX*	1657930	ND355LX*	2171090	-	-
355	473	-	-	ND355LX*	1926610	-	-	-	-
375	500	-	-	ND355LX*	2201495	-	-	-	-

\*These are suitable to temperature rise limited to class F

Temp rise with VFD (Variable torque) in same frame shall be limited to class F. For rise B please refer to nearest branch.

For other ratings please contact nearest CG Office. Standard Paint Shade : RAL7034 (Yellow Grey),

For MEPS-B2 Performance, 10% additional to above prices



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034

**HIGH EFFICIENCY - IE2 (Aluminium Series)**



OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.18	0.25	GD63	8400	GD63	8980	-	-
0.25	0.33	GD63	8645	GD71	9115	-	-
0.37	0.50	GD71	9830	GD71	10065	GD80	14320
0.55	0.75	GD71	12750	GD80	13165	GD80M	14695
0.75	1.00	GD80	13125	GD80	13365	GD90S	16530
1.10	1.50	GD80	14320	GD90S	16490	GD90L	18160
1.50	2.00	GD90S	16425	GD90L	20030	GD100L	26085
2.20	3.00	GD90L	21085	GD100L	23840	GD112M	27785
3.70	5.00	GD100L	26180	GD112M	30190	GD132S	43315
4.00	5.50	GD112M	33425	GD112M	34815	GD132S	46475
5.50	7.50	GD132S	44605	GD132S	41990	GD132M	53280
7.50	10.00	GD132S	48450	GD132M	49605	GD132M*	85375
9.30	12.50	GD132M*	66675	GD132M*	68885	-	-
11.00	15.00	GD132M*	81430	GD132M*	78265	-	-

*For other ratings please contact nearest CG Office*

*For MEPS-B2 Performance, 10% additional to above prices*

*Standard Paint Shade : RAL7034 (Yellow Grey)*

*\* Ratings are with F class Temperature Rise*



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS-FOOT MOUNTED**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 45°C with Class "F" insulation and altitude less than 1000 m above m.s.l. Efficiency values are conforming to IS12615 / IS/IEC 60034



**SMART MOTOR -HIGHER OUTPUT - IE2**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
250	335	-	-	-	-	-	-	NG355LX	2505380
315	422	-	-	-	-	-	-	NG355LX	2596430
355	476	NG355LX	2012265	-	-	NG355LX	2310725	NG400LX	2755905
375	503	NG355LX	2118180	-	-	ND400LX	2846955	NG400LX	2892515
400	535	NG355LX	2209265	NG355LX	2277620	NG400LX	3120310	NG400LX	3120310
425	570	NG355LX	2300385	ND400LX	2664820	-	-	-	-
450	600	NG400LX	2801435	NG400LX	2846955	NG400LX	3211390	ND450LX	4532370
500	670	NG400LX	2892515	NG400LX	2938075	NG400LX	3348005	ND450LX	4896775
560	750	NG400LX	2983630	NG400LX	3120310	NG400LX	3439160	ND450LX	On Request
630	850	NG400LX	3302475	NG400LX	3302475	ND450LX	4350135	ND500LX*	On Request
710#	950	-	-	ND450LX	On Request	ND500LX*	4642605	-	-
710#	950	-	-	ND500LX*	On Request	-	-	-	-

# Available with 690V Delta for any other voltage on Request.

Standard Paint Shade : RAL7034 (Yellow Grey)



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS-FOOT MOUNTED**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 45°C with Class "F" insulation and altitude less than 1000 m above m.s.l. Efficiency values are conforming to IS12615 / IS/IEC 60034

**SMART MOTOR -HIGHER OUTPUT – IE3**



OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
250	335	-	-	-	-	-	-	NG355LX	2755905
315	422	-	-	-	-	-	-	NG355LX	2856125
355	476	NG355LX	On Request	-	-	NG355LX	2480345	NG400LX	3031500
375	503	NG355LX	On Request	-	-	ND400LX	3131690	NG400LX	3181800
400	535	NG355LX	On Request	NG355LX	2505410	NG400LX	3432360	NG400LX	3432360
425	570	NG355LX	On Request	ND400LX	2931275	-	-	-	-
450	600	NG400LX	On Request	NG400LX	3131690	NG400LX	3532550	ND450LX	4985650
500	670	NG400LX	3181800	NG400LX	3231910	NG400LX	3682885	ND450LX	5386510
560	750	NG400LX	3282025	NG400LX	3432360	NG400LX	3783105	ND450LX	On Request
630	850	NG400LX	3632740	NG400LX	3632740	ND450LX	4785205	*ND500LX	On Request
710#	950	-	-	ND450LX	On Request	ND500LX*	On Request	-	-
710#	950	-	-	ND500LX*	On Request	-	-	-	-

# Available with 690V Delta for any other voltage on Request.

Standard Paint Shade : RAL5021 (Water Blue) Epoxy

\* ND500LX will be with Fabricated body

**Motors fitted with Smart Motor Kit operates through wireless communication & provides following information on smart phone/Laptop**

Tri-axial Vibration, Noise, Temperature and real time data can be recorded along with real time alerts



**TOTALLY ENCLOSED FAN COOLED SQUIREL CAGE 3 PH INDUCTION MOTORS-FOOT MOUNTED**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 45°C with Class "F" insulation with temperature rise limited to class F and altitude less than 1000 m above m.s.l. Efficiency values are conforming to IS12615 / IS/IEC 60034



**SMART MOTOR -HIGHER OUTPUT (IE3) for VFD Duty Application**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
250	335	-	-	-	-	-	-	NG355LX	2858665
315	422	-	-	-	-	NG355LX	2598060	NG355LX	2998950
355	476	NG355LX	On Request	NG355LX	2525250	NG355LX	3049025	NG400LX	3449890
375	503	NG355LX	On Request	NG355LX	2658250	ND400LX	3550075	NG400LX	3600220
400	535	NG355LX	On Request	NG355LX	2848615	NG400LX	3850745	NG400LX	3850745
425	570	NG355LX	On Request	ND400LX	3349695	-	-	-	-
450	600	NG400LX	On Request	NG400LX	3550075	NG400LX	3950940	ND450LX	5644540
500	670	NG400LX	3332140	NG400LX	3650330	NG400LX	4101305	ND450LX	6045405
560	750	NG400LX	3432360	NG400LX	3850745	NG400LX	4201490	ND450LX	On Request
630	850	NG400LX	3783105	NG400LX	4051095	ND450LX	5444065	-	-
710#	950	-	-	ND450LX	On Request	ND500LX	On Request	-	-
710#	950	-	-	ND500LX	On Request	-	-	-	-

**Notes for VFD Duty Motors :**

Above motors are suitable for Variable Torque Application.

Motors can be used for constant Torque Application after getting confirmation from Nearest CG Branch.

# Available with 690V Delta for any other voltage on Request.

Standard Paint Shade : RAL5021 (Water Blue) Epoxy

Motors are with Insulated bearings, RTD, BTD, Space heater

Motors fitted with Smart Motor Kit operates through wireless communication and provides following information on smart phone/Laptop

Tri-axial Vibration, Temperature and real time data can be recorded along with real time alerts



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAME PROOF INDUCTION MOTORS-FOOT MOUNTED**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 45°C ambient, Class "F" insulation with temperature rise limited to Class "B" and altitude less than 1000 m above m.s.l. Efficiency values are conforming to IS12615 / IS/IEC 60034 , Motors are suitable for Temperature class T4.

**Flameproof Motors - IE3**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	E80	27130	E80	26705	E80	30960
0.55	0.75	E80	30345	E80	29435	E80	31810
0.75	1.00	E80	31255	E80	30605	E90L	38765
1.10	1.50	E90L	36550	E90L	35430	E90L	39885
1.50	2.00	E90L	37365	E90L	39675	E100L	57730
2.20	3.00	E90L	48850	E100L	50460	E112M	67080
3.70	5.00	E100L	62055	E112M	63920	E132M	88875
5.50	7.50	E132M	92035	E132M	87885	E132M	107670
7.50	10.00	E132M	101620	E132M	100095	E160L	163180
9.30	12.50	E160L	180255	E160L	151480	E160LX	190890
11	15	E160L	180255	E160L	158365	E160LX	199800
15	20	E160L	202500	E160LX	192600	E180L	255605
18.5	25	E160L	229980	E180L	218675	E200L	317840
22	30	E180L	272800	E180L	259915	E200L	344770
30	40	E200L	383930	E200L	348710	E225M	565215
37	50	E200L	475660	E225S	454200	E250M	725705
45	60	E225M	603750	E225M	574310	E280M	842820
55	75	E250M	772820	E250M	703640	E280M	909085
75	100	E280M	949975	E280M	862300	E315M	1065980
90	120	E280M	982595	E280M	878995	E315M	1195655
110	150	E315M	1138420	E315M	1049450	E315L	1310865
132	180	E315M	1349765	E315M	1270095	E315L	1588935
160	215	E315L#	1530275	E315L#	1275715	E315L#	2001890
180	240	E315L#	1834715	E315L#	1527055	E355LX	2170700
200	270	E315L#	2279570	E315L#	1820665	E355LX	2284965
225	300	E355LX#	2849490	E355LX*	2406685	-	-
250	335	E355LX#	2991960	E355LX*	2479950	-	-

Motors with gas group I & IIC can also be offered on request with extra price ( Please refer special features section )

Gas group IIA, IIB E80, E315L & E355LX will be with T/B on TOP only

For all frames of Gas group IIC , terminal box position will be on top (no other option is available )

Gas Group IIC in not available in E315L frame, For E80 & E355LX-DGMS certificate is not available

# Suitable for 40 degree amb /80 degree Temp rise.

\*These are suitable to temperature rise limited to class F

160 to 250KW in 2 Pole, 160&180KW 4 Pole are suitable for 40 degree amb /80 degree temp rise

Standard paint shade : RAL 5021 ( Water Blue )



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAME PROOF INDUCTION MOTORS-FOOT MOUNTED**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 45°C ambient, Class "F" insulation with temperature rise limited to Class "B" and altitude less than 1000 m above m.s.l. Efficiency values are conforming to IS12615 / IS/IEC 60034 , Motors are suitable for Temperature class T4.

**Flameproof Motors - IE2**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	E80	25370	E80	24945	E80	28950	E90L	34770
0.55	0.75	E80	28395	E80	27545	E80	31145	E90L	37630
0.75	1.00	E80	29240	E80	28620	E90L	36245	E100L	45530
1.10	1.50	E90L	34205	E90L	34205	E90L	37330	E100L	52945
1.50	2.00	E90L	34955	E90L	37130	E100L	54025	E112M	63515
2.20	3.00	E90L	45695	E100L	47195	E112M	62765	E132M	83940
3.70	5.00	E100L	60720	E112M	59775	E132M	83160	E160L	135770
5.50	7.50	E132M	86120	E132M	82210	E132M	100770	E160L	159540
7.50	10.00	E132M	95095	E132M	93635	E160L	159590	E160L	194600
9.30	12.50	E160L	171765	E160L	148165	E160L	179570	E180L	247375
11	15	E160L	171765	E160L	148165	E160L	186955	E180L	260575
15	20	E160L	189460	E160LX	180190	E180L	249985	E200L	352215
18.5	25	E160L	215150	E180L	204565	E200L	310905	E225S	437250
22	30	E180L	255245	E180L	243185	E200L	337250	E225M	575455
30	40	E200L	343600	E200L	326275	E225M	528825	E250M	706735
37	50	E200L	444990	E225S	406460	E250M	678955	E280M	906950
45	60	E225M	564890	E225M	513965	E280M	788530	E280M	926200
55	75	E250M	723080	E250M	658320	E280M	850535	E315M	1128505
75	100	E280M	888785	E280M	806785	E315M	997305	E315M	1321730
90	120	E280M	961065	E280M	822425	E315M	1169495	E315L	1446735
110	150	E315M	1065095	E315M	981865	E315L	1282165	E315L	1691955
125	170	E315M	1243620	E315M	1091170	E315L	1457625	E355LX	1730425
132	180	E315M	1262840	E315M	1188295	E315L	1554170	E355LX	1758455
150	200	E315L	1371385	E315L	1230180	E315L	1625490	E355LX	1845770
160	215	E315L#	1431705	E315L#	1247825	E315L#	1873020	E355LX	2028980
180	240	E315L#	1716510	E315L#	1493620	E355LX	2030900	E355LX	2114960
200	270	E315L#	2132780	E315L#	1703400	E355LX	2234960	E355LX	2304905
225	300	E355LX#	2665955	E355LX#	2404700	E355LX	2461020	E355LX	2537935
250	335	E355LX#	2799250	E355LX#	2477900	E355LX	2637955	E400LX	3924595
275	370	E355LX#	2939180	E355LX#	2535000	E355LX	2653305	-	-
315	425	E355LX#	3086195	E355LX#	2783740	-	-	-	-
325	435	E355LX#	3165120	E355LX#	2834050	-	-	-	-
355	476	E400LX*	4360640	E400LX*	3924595	-	-	-	-
375	503	E400LX*	4691320	E400LX*	4222210	-	-	-	-
400	535	E400LX*	5160470	E400LX*	4644430	-	-	-	-

*In 400 frame - 6pole and above on request. Gas group IIA, IIB E80, E315L , E355LX & E400LX will be with T/B on TOP only Motors with gas group I & IIC can also be offered on request with extra price ( Please refer special features section )*

*For all frames of Gas group IIC , terminal box position will be on top (no other option is available )*

*Gas Group IIC is not available in E315L & E400LX frame. For E80 , E355LX & E400LX -DGMS certificate is not available*

*Smart Kit feature is not a default feature. #These are suitable for 40 degree amb /80 degree Temp rise.*

*\*These are suitable to temperature rise limited to class Standard paint shade : RAL 7034 (Yellow Grey)Epoxy*

*Temp rise with VFD in same frame shall be limited to class F .If customer need with rise B please refer to nearest branch.*





**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS - FOOT MOUNTED**

Squirrel cage Induction Motors with Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" altitude less than 1000 m above m.s.l. Performance Efficiency values are conforming to IS12615 / IS/IEC 60034

**UL Listed Motors - IE2**

OUTPUT Rating		2 Pole / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	-	-	-	-	-	-	ND90S	18835
0.55	0.75	-	-	-	-	-	-	ND90L	20620
0.75	1.00	ND80	14605	ND80	15160	ND90S	18310	ND100L	25335
1.10	1.50	ND80	15840	ND90S	18735	ND90L	20040	ND100L	30835
1.50	2.00	ND90S	18185	ND90L	22675	ND100L	28850	ND112M	35710
2.20	3.00	ND90L	23355	ND100L	26995	ND112M	30770	ND132S	47255
3.70	5.00	ND100L	28950	ND112M	34210	ND132S	47875	ND160M	73530
4.00	5.50	ND112M	39090	-	-	-	-	-	-
5.50	7.50	ND132S	49305	ND132S	47485	ND132M	58895	ND160M	91900
7.50	10.00	ND132S	53530	ND132M	51025	ND160M	89855	ND160L	116485
9.30	12.50	ND132M	77985	NG132M	74245	-	-	-	-
9.30	12.50	ND160M	90215	ND160M	90695	ND160L	97885	ND180M	151480
11	15	ND160M	95220	ND160M	91545	ND160L	110570	ND180L	159740
15	20	ND160M	102340	ND160L	113005	ND180L	144420	ND200L	224870
18.5	25	ND160L	131445	ND180M	144580	ND200L	206175	ND225S	288575
22	30	ND180M	147705	ND180L	158310	ND200L	221975	ND225M	346950
30	40	ND200L	216840	ND200L	218435	ND225M	317260	ND250M	468370
37	50	ND200L	263245	ND225S	255405	ND250M	426590	ND280S	610805
45	60	ND225M	338785	ND225M	309580	ND280S	510940	ND280M	705790
55	75	ND250MX	456080	ND250MX	425385	ND280M	586740	ND315S	855180
75	100	ND280S	569505	ND280S	517765	ND315S	716620	ND315M	1061905
90	120	ND280M	657015	ND280M	603065	ND315M	896645	ND315L	1203850
110	150	ND315S	849070	ND315S	747415	ND315M	999860	ND315LX	1274445
125	170	ND315M	996285	ND315M	851440	ND315LX	1089805	ND315LX	1400230
132	180	ND315M	1043535	ND315M	875765	ND315LX	1167200	ND315LX	1476520
160	215	ND315LX	1143140	ND315LX	1027535	ND315LX	1215325	ND355LX	1715500
180	240	ND315LX	1203365	ND315LX	1092895	ND355LX	1340395	ND355LX	1760085
200	270	ND315LX	1334605	ND315LX	1247360	ND355LX	1441300	ND355LX	1885505
225	300	ND355LX*	1502795	ND355LX	1434600	ND355LX	1484520	ND355LX	2678930
250	335	ND355LX*	1539150	ND355LX	1522145	ND355LX	1587280	-	-
275	370	ND355LX*	1582625	ND355LX	1663925	ND355LX*	1929245	-	-
315	425	ND355LX*	1620645	ND355LX*	1785970	ND355LX*	2388245	-	-
355	473	-	-	ND355LX*	2169750	-	-	-	-
375	500	-	-	ND355LX*	2479330	-	-	-	-

\*These are suitable to temperature rise limited to class F.

For other ratings please contact nearest CG Office

Standard Paint Shade : RAL7034 (Yellow Grey)

For UL Listed Fire Fighting Motors, contact nearest branch office.



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUCTION MOTORS-FOOT MOUNTED**  
 208-230/460 Volt or 575 V 60 Hz, Ambient 40 degree ,class F insulation with class B temp rise. As per NEMA MG-1

**NEEMA MOTORS - PREMIUM SERIES**

OUTPUT Rating		2 Pole / 3600 RPM		4 Pole / 1800 RPM		6 Pole / 1200 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.75	1.00	143T	20845	143T	23415	145T	24555
1.10	1.50	143T	24750	145T	24005	182T	43710
1.50	2.00	145T	25370	145T	26640	184T	45890
2.20	3.00	182T	44490	182T	44950	213T	70830
3.70	5.00	184T	48325	184T	49045	215T	76975
5.50	7.50	213T	68520	213T	75580	254T	127450
7.50	10.00	215T	73565	215T	81370	256T	144485
11.00	15.00	254T	112945	254T	121590	284T	206790
15.00	20.00	256T	122470	256T	135220	286T	211410
18.50	25.00	284TS	186825	284T	205885	324T	283665
22	30	286TS	189070	286T	215120	326T	297650
30	40	324TS	283865	324T	314400	364T	454845
37	50	326TS	299340	326T	351240	365T	510160
45	60	364TS	422000	364T	442255	404T	563815
55	75	365TS	471140	365T	485315	405T	600655
75	100	405TS	604140	405T	605145	-	-

Standard paint shade : RAL 5021 (Water Blue )

NEMA- C Flange in addition to foot 8 %

NEMA- C Flange without foot 5 %

NEMA FRAME	EQUIVALENT IEC FRAME
143T	90S
145T	90L
184T	112M
213T	132S
215T	132M
254T	160M
256T	160L
284T	180M
286T	180L
324T	200L
364T	225S
365T	225M
405T	250M
444T	280S
447T	280M

NEMA Premium & NEMA IPACT for American Market

MEPS 2 - Australia & Newzeland



**TOTALLY ENCLOSED FAN COOLED 3 PH SLIP RING INDUCTION MOTORS**

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3),continuously rated (S1) suitable for operation on 415+/- 10% V,3 Phase 50Hz+/- 5% AC supply with ambient 45°C,Class "F" insulation with temperature rise limited to Class "B" and altitude less than 1000 m above m.s.l. conforming to IS12615 / IS/IEC 60034

**TEFC Slipring Motors**

OUTPUT Rating		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
2.2	3.0	-	-	DW132S	108195	-	-
3.0	4.0	DW132S	104785	DW132S	113820	NDW160M	155935
3.7	5.0	DW132S	107155	DW132M	119545	NDW160M	161495
5.5	7.5	DW132M	109395	NDW160M	145820	NDW160L	181000
7.5	10.0	NDW160M	144845	NDW160L	181915	NDW180L	246105
11	15	NDW160L	181235	NDW180L	236190	NDW200L	322460
15	20	NDW180L	239865	NDW200L	308285	NDW225M	414620
19	25	NDW200L	275925	NDW225M	397515	NDW225M	479460
22	30	NDW200L	306560	NDW225M	475035	NDW250M	625800
30	40	NDW225M	378690	NDW250M	628170	NDW280S	721985
37	50	NDW250M	519230	NDW280S	711225	NDW280M	828125
45	60	NDW250M	620630	NDW280M	772780	NDW315S	1017875
55	75	NDW280S	684005	NDW315S	861755	NDW315M	1178065
75	100	NDW280M	759480	NDW315M	1088505	NDW315LX	1296920
90	120	NDW315S	946855	NDW315LX	1206970	NDW315LX	1533915
110	150	NDW315M	1094035	NDW315LX	1432555	NDW355LX	1633745
125	170	NDW315LX	1203390	NDW315LX	1555640	NDW355LX	1817285
132	180	NDW315LX	1268460	-	-	-	-
150	200	NDW315LX	1439185	NDW355LX	1667695	NDW355LX	2000200
160	215	NDW315LX	1470215	NDW355LX	1778845	NDW355LX	2026605
180	240	NDW355L	1555440	NDW355LX	1889995	NDW400LX	3290805
200	270	NDW355L	1728245	NDW355LX*	2047515	NDW400LX	3656155
225	300	NDW355LX	1821150	NDW400LX	4016660	NDW400LX *	4113170
250	335	NDW355LX	1843725	NDW400LX	4462910	NDW450LX*	6152550
275	370	NDW355LX	1955290	NDW400LX	4909230	NDW450LX*	6767805
300	402	NDW400LX	3720120	NDW400LX	5355420	NDW450LX*	7444590
315	436	NDW400LX	3906125	NDW400LX	5801740	NDW450LX*	8189075
350	470	NDW400LX	4340120	NDW450LX*	6202890	NDW450LX*	8844195
370	500	NDW400LX *	On Request	NDW450LX*	6823185	NDW450LX*	9551705
450	600	-	-	NDW450LX*	7505530	NDW450LX*	10315865

\*These are suitable for temperature rise limited to class F.

Standard Paint Shade -631 (IS 5) Light Green.



**SCREEN PROTECTED DRIP PROOF SLIP RING INDUCTION MOTORS**

Enclosure conforming to protection IP 21 /23 Horizontal Foot Mounted (B3),continuously rated (S1) suitable for operation on 415+/- 10% V,3 Phase 50Hz+/- 5% AC supply with ambient 45°C,Class "F" insulation with temperature rise limited to Class "B" and altitude less than 1000 m above m.s.l. conforming to IS12615 / IS/IEC 60034

**SPDP Slipring Motors**

OUTPUT Rating		4 Pole / 1500 RPM		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
3.7	5	-	-	-	-	CW160M	135545
5.5	7.5	-	-	CW160M	132810	CW160L	144355
7.5	10	CW160M	133590	CW160L	154960	CW180M	199150
11	15	CW160L	148810	CW180M	199085	CW180L	233195
15	20	CW180M	197750	CW180L	219375	CW200M	288510
18.5	25	CW180M	203050	CW200M	297485	CW200L	303370
22	30	CW180L	218270	CW200L	310525	CW225M	399300
30	40	CW200M	278595	CW225M	394915	CW225M	443235
37	50	CW200L	302885	CW225M	423885	CW250S	558965
45	60	CW225M	369780	CW250S	550840	CW250M	641630
55	75	CW250S	498485	CW250M	614090	CW280S	778600
75	100	CW250S	523425	CW280S	747355	CW280M	850400
90	120	CW250MX	638055	CW280M	893035	CW315S*	1083495
110	150	CW280M	713270	CW315S*	1043435	CW315MX*	1172470
125	170	CW280MX*	886205	CW315MX*	1170450	CW355L	1234090
132	180	CW280MX*	930530	CW315MX*	1201155	CW355L	1303160
150	200	CW315S*	1088020	CW315MX*	1312295	CW355L	1618040
160	215	CW315M*	1143965	CW315MX*	1331160	CW355L	1822880
180	240	CW315MX*	1266385	CW355L	On Request	CW355L	1929340
200	270	CW315MX*	1461595	CW355L	On Request	CW355L	2087610
225	300	CW315MX*	1462795	CW355L	On Request	CW400LX	3205830
250	335	CW355L	On Request	CW355L	On Request	CW400LX	3363615
275	369	CW355L	On Request	CW355L	On Request	-	-
300	402	CW355L	On Request	CW400LX	On Request	-	-
325	435	CW355L	On Request	CW400LX	On Request	-	-
350	470	CW355L	On Request	-	-	-	-

OUTPUT Rating		10 Pole / 600 RPM	
KW	HP	Frame	List Price
110	150	CW315MX*	1623895
125	170	CW355L	2095545
150	200	CW355L	2388835
160	215	CW355L	2494190
180	240	CW355L	2600725
200	270	CW400LX	3011500
225	300	CW400LX	3327385

\* These are with fabricated body. Charge 20% Over above given LP  
 Motors are with roller bearing as inbuilt feature from frame 225 and above  
 Position of terminal box on RHS when viewed from DE  
 Standard Paint Shade : 631 (IS 5) Light Green



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE CRANE DUTY MOTORS**

MOUNTING: FOOT  
 VOLTAGE : 415 V ± 10%  
 FREQUENCY : 50Hz ± 5%  
 COMBINED : 10% (ABSOLUTE SUM)  
 AMBIENT : 50°C

PROTECTION :IP55  
 RATING : S3 / S4  
 (AS PER IS/IEC 60034-1, IS1231, IS2223 )  
 DUTY : INTERMITTENT  
 INSULATION : CLASS F, TEMP RISE-  
 CLASS B  
 40% CDF , 150 Starts stops per Hr

**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE CRANE DUTY MOTORS**

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
0.25	0.34	GD63	12245
0.55	0.75	GD71	12950
0.75	1	ND80	14405
1.1	1.5	ND80	15135
1.5	2	ND90S	15860
2.2	3	ND90L	17355
3.7	5	ND100L	23380
5.5	7.5	ND112M	29300
7.5	10	ND132S	40325
9.3	12.5	ND132M	51220
11	15	ND160M	79765
15	20	ND160M	86800
18.5	25	ND160L	93390
22.5	30	ND180M	130675
27	36	ND180L	140590
37	50	ND200L	187515
40	53.33	ND225S	243465

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
0.17	0.23	GD63	11975
0.37	0.5	GD71	14215
0.55	0.75	ND80	15265
0.75	1	ND80	15265
1.1	1.5	ND90S	16350
1.5	2	ND90L	18935
2.2	3	ND100L	24685
3.7	5	ND112M	29410
5.5	7.5	ND132S	43210
7.5	10	ND132M	48105
9.3	12.5	ND160M	77640
11	15	ND160L	96270
15	20	ND160L	102745
18.5	25	ND180L	139720

OUTPUT Rating		8 Pole / 750 RPM	
KW	HP	Frame	List Price
0.55	0.75	ND90S	16800
0.75	1	ND90L	18935
1.1	1.5	ND100L	22785
1.5	2	ND112M	25060
2.2	3	ND132S	31990
3.7	5	ND160M	42420
5.5	7.5	ND160M	81465
7.5	10	ND160M	87935
9.3	12.5	ND160L	106030
10	13.4	ND180M	135010
12	16	ND180L	150315

*Position of terminal box RHS when viewed from DE for other ratings, please refer pricing guideline section  
 Standard paint shade : RAL 7034 (Yellow Grey)*



**TOTALLY ENCLOSED FAN COOLED SLIPRING CRANE DUTY MOTORS**

MOUNTING : FOOT

VOLTAGE : 415 V ± 10%

FREQUENCY: 50Hz ± 5%

COMBINED :10% (ABSOLUTE SUM)

AMBIENT : 50°C

PROTECTION : IP55

RATING : S3 / S4 (AS PER IEC 60034)

DUTY :INTERMITTENT

INSULATION: CLASS F, TEMP RISE-CLASS B

40%CDF , 150 Starts Stops per Hr

**TOTALLY ENCLOSED FAN COOLED SLIPRING CRANE DUTY MOTORS**

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
1.8	2.41	NDW112M	76715
2.6	3.50	DW132S	101010
4.5	6.03	DW132M	120650
6.7	9.00	NDW160M	136910
9.0	12.07	NDW160L	169365
13.2	17.50	NDW180L	254825
17.6	23.60	NDW200L	335015
24.6	33.00	NDW225S	414330
30.5	41.00	NDW225M	511300
36.0	48.28	NDW250S	639095
42.0	56	NDW250M	771315
53.5	72	NDW280S	848455
66.5	89	NDW280M	991665
93.0	126	NDW315S	1185545
116.0	156	NDW315M	1344200

OUTPUT Rating		8 Pole / 750 RPM	
KW	HP	Frame	List Price
1.7	2.3	DW132S	108455
2.5	3.4	DW132M	145720
4.8	6.4	NDW160M	157885
6.7	9.00	NDW160L	196610
9.30	11.00	NDW180L	263890
13.5	18.0	NDW200L	343790
20.2	27.2	NDW225S	446945
26.0	35.0	NDW225M	511300
31.5	42.2	NDW250S	622540
37	50	NDW250MX	775250
48.0	64.0	NDW280S	866075
59.0	79.0	NDW280M	943180
72.0	96.0	NDW315S	1264885
86.0	115.3	NDW315M	1372880

OUTPUT Rating		10 Pole / 600 RPM	
KW	HP	Frame	List Price
15	20	NDW225S	419400
18.5	25	NDW225M	491460
22.00	30.00	NDW250M	628170
38.00	51.00	NDW280S	936575
46.50	62.00	NDW280M	1024700
60.00	80.00	NDW315S	1304560
66.00	88.00	NDW315M	1366900

*Terminal position in on TOP as a standard for this series*

*On Request T/B position can be given on LHS/RHS (Not applicable for DW132S & DW132M)*

*Standard Paint Shade : RAL7034 (Yellow Grey)*

*For other ratings, please refer pricing guideline section*



**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS FOR TEXTILE APPLICATIONS**

Enclosure conforming to protection IP 54 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415+/- 10% V, 3 Ph 50Hz+/- 5% AC supply with ambient 45°C, Class "F" insulation with temp. rise limited to Class "B" and altitude less than 1000 m above m.s.l. confirming to IS12615 / IS/IEC 60034 with clean flow construction.

**FOR LOOM / WEAVING APPLICATION ( TE ) / TB ON RHS**

OUTPUT Rating		6 Pole / 1000 RPM		8 Pole / 750 RPM	
KW	HP	Frame	List Price	Frame	List Price
0.75	1.00	NR90L	16665	R112M	21660
1.10	1.50	R112M	19390	R112M	28525
1.50	2.00	R112M	22250	R132S	30280

**CARD APPLICATION ( TE ) / TB ON TOP**

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
0.75	1.00	NR90L	16135
1.10	1.50	R112M	29755
1.50	2.00	R112M	36165

**GINNING APPLICATION ( TEFC ) / TB ON RHS**

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
2.20	3.00	ND100L	24495
3.00	4.00	ND112M	28685
3.70	5.00	ND132S	35290
5.50	7.50	ND132S	42150
7.50	10.00	ND132M	50210

**RING FRAME, TEXTILE MOTOR : TB TOP, AMBIENT :45°C, RISE 75°C , IS12615 / IS/IEC 60034  
ROLLER BEARING AT DE FOR 160 FR. AND ABOVE TO SUSTAIN HIGHER RADIAL LOAD**

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
3.70	5.00	ND112M	36945
5.50	7.50	ND132S	50600
7.50	10.00	ND132M	59285
9.30	12.50	ND160M	93565
11.00	15.00	ND160M	96490
13.00	17.50	ND160L	116685
15.00	20.00	ND160L	119935
18.50	25.00	ND180M	168840
22.00	30.00	ND180L	179870
30.00	40.00	ND200L	242660
37.00	50.00	ND225S	311990
45.00	60.00	ND225M	378165

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
3.70	5.00	ND132S	53860
5.50	7.50	ND132M	60070

Standard Paint Shade : RAL7034 (Yellow Grey)



**TOTALLY ENCLOSED FAN COOLED CRUSHER DUTY MOTORS**

MOUNTING : FOOT  
 VOLTAGE: 415 V ± 10%  
 FREQUENCY : 50Hz ± 5%  
 AMBIENT : 50°C

PROTECTION :IP55  
 RATING: S1  
 DUTY : Continuous  
 INSULATION : CLASS F, TEMP RISE-CLASS B  
 Efficiency Class : IE2

**Crusher Duty**

OUTPUT Rating		4 Pole / 1500 RPM		6 Pole / 1000 RPM	
KW	HP	Frame	List Price	Frame	List Price
45	60	ND225M	312670	-	-
55	75	ND250M	429705	ND280M	592660
75	100	ND280S	522970	ND315S	723810
90	120	ND280M	609145	ND315M	905715
110	150	ND315S	754960	ND315M	1009940
125	175	ND315M	860060	ND315L	1100800
132	180	ND315M	884610	ND315LX	1178970
160	215	ND315LX	1037905	ND315LX	1227585
180	240	ND315LX	1103950	ND355LX	1353920
200	270	ND315LX	1259940	ND355LX	1455835
225	300	ND355LX	1494145	ND355LX	1499545
250	335	ND355LX	1537520	ND355LX	1603305

**Non-Std Features**

- EN24 Shaft
- Roller bearing at DE (for 4 & 6 Pole)
- Space Heater (280 Frame & Above)
- PTC150C-3 Nos (280 Frame & Above)
- VPI & Epoxy gel coat on overhang
- Standard Paint Shade : RAL7034 (Yellow Grey)





**Kibosh**  
**Brake Motor**

**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE DC BRAKE MOTORS**

MOUNTING : FOOT

VOLTAGE : 415 VOLTS ± 10%

FREQUENCY : 50Hz ± 5%  
 COMBINED : 10% (ABSOLUTE SUM)

AMBIENT : 50°C

PROTECTION : IP55

EFFICIENCY : IE2

DUTY : S1  
 INSULATION : CLASS F, TEMP RISE-  
 CLASS B

BRAKE TYPE : DC

**Brake - KIBOSH Series ( CI )**

OUTPUT Rating		4 Pole / 1500 RPM			6 Pole / 1000 RPM		
KW	HP	Frame	Brake Size	List Price	Frame	Brake Size	List Price
0.37	0.50	-	-	-	NG80	8	32065
0.55	0.75	NG80	8	31320	NG80	8	32425
0.75	1.0	NG80	8	31420	NG90S	10	41825
1.1	1.5	NG90S	10	40850	NG90L	10	43385
1.5	2.0	NG90L	10	42215	NG100L	12	51350
2.2	3.0	NG100L	12	50670	NG112M	14	57270
3.0	4.0	NG100L	12	51775	NG132S	16	80035
3.7	5.0	NG112M	14	58345	NG132S	16	81855
5.5	7.5	NG132S	16	79250	NG132M	16	86600
7.5	10.0	NG132M	16	85660	ND160M	18	139285
9.3	12.5	NG132M	16	102600	ND160L	20	172875
9.3	12.5	ND160M	18	102600	-	-	-
11	15	ND160M	20	137040	ND160L	20	177495
15.0	20	ND160L	20	174565	ND180L	25	264190
18.5	25	ND180M	25	257650	ND200L	25	319760
22	30	ND180L	25	271440	ND200L	25	333715
30	40	ND200L	25	337355	ND225M	25	On Request
37	50	ND225S	25	On Request	-	-	-
45	60	ND225M	25	On Request	-	-	-

**ALP for Separate Brakes for Brake Motors - refer special feature**

Standard Paint Shade : RAL7034 (Yellow Grey)



**Kibosh**  
**Brake Motor**

**TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE DC BRAKE MOTORS**

AMBIENT : 50°C  
MOUNTING : FOOT  
VOLTAGE : 415 VOLTS ± 10%  
FREQUENCY : 50Hz ± 5%  
COMBINED : 10% (ABSOLUTE SUM)  
APPLICABLE STANDARDS : IS/IEC 60034-30-1, IS 12615 : 2018; IS1231, IS2223

PROTECTION : IP55  
EFFICIENCY : IE2  
RATING : S1  
INSULATION : CLASS F, TEMP RISE-CLASS B  
BRAKE TYPE : DC

**Brake - KIBOSH Series ( Aluminium Series )**

OUTPUT Rating		4 Pole / 1500 RPM			6 Pole / 1000 RPM		
KW	HP	Frame	Brake Size	List Price	Frame	Brake Size	List Price
0.37	0.50	GD71	6	27290	GD80	8	31030
0.55	0.75	GD80	8	30315	GD80	8	31385
0.75	1.0	GD80	8	30410	GD90S	10	40460
1.1	1.5	GD90S	10	39480	GD90L	10	41990
1.5	2.0	GD90L	10	40850	GD100L	12	49695
2.2	3.0	GD100L	12	54475	GD112M	14	55415
3.7	5.0	GD112M	14	56460	GD132S	16	79185
5.5	7.5	GD132S	16	85205	GD132M	16	93105
7.5	10.0	GD132M	16	92065	-	-	-

**ALP for Separate Brakes for Brake Motors - refer special feature**

Standard Paint Shade : RAL7034 (Yellow Grey)

**TOTALLY ENCLOSED FAN COOLED FIRE FIGHTING MOTORS**

MOUNTING	: FOOT	PROTECTION	: IP55
VOLTAGE	: 415 VOLTS ± 10%	RATING	: S1
FREQUENCY	: 50Hz ± 5%	DUTY	: Continuous
COMBINED	: 10% (ABSOLUTE SUM)	INSULATION	: CLASS F, TEMP RISE-CLASS F
AMBIENT	: 50°C	PAINT	: RED

**FIRE FIGHTING Series**

FIRE FIGHTING		
FF Catref	Frame	Price
5.50KNE2-FF	ND112M	28435
9.30KNE2-FF	ND132M	67350
11KNE2-FF	ND132M	75720
15KE2-FF	ND160M	88360
22KE2-FF	ND160L	120820
30KE2-FF	ND180L	177400
37KE2-FF	ND200L	227635
45KE2-FF	ND200L	277170
55KE2-FF	ND225M	331670
60KE2-FF	ND225M	348255
75KE2-FF	ND250MX	414190
90KE2-FF	ND280M	567395

*Temp.Rise will be Limited to F class*

*For Ratings apart from above kindly contact division*



**TOTALLY ENCLOSED FAN COOLED MOTORS FOR COMPRESSOR APPLICATION**

MOUNTING	: FOOT	PROTECTION	: IP55
VOLTAGE	: 415 VOLTS ± 10%	RATING	: S1
FREQUENCY	: 50Hz ± 5%	DUTY	: Continuous
COMBINED	: 10% (ABSOLUTE SUM)	INSULATION	: CLASS F, TEMP RISE-CLASS F
AMBIENT	: 50°C	SERVICE FACTOR	: 1.2

**COMPRESSOR SERIES**

COMPRESSOR SERIES			
kW	Pole	Frame	LIST PRICE
7.5	2	NG132M	79450
11	2	PC132M	95250
15	2	ND160L	110990
22	2	ND160L	141820
30	2	ND200L	276675
37	2	ND200L	291210
45	2	ND200L	323825
55	2	ND250MX	464930
75	2	ND250MX	489605
150	2	ND315LX	1211295
11	4	ND160M	124905
15	4	ND160L	137400
18.5	4	ND180L	173685
22	4	ND180L	212190
55	4	ND250MX	540400
75	4	PC250M	606775
90	4	ND280M	714965
132	4	ND315LX	1174580
160	4	ND315LX	1342375
200	4	ND355LX	1733905

*Temperature rise will be limited to F class*

*For Ratings apart from above kindly contact division*



**TOTALLY ENCLOSED AIR OVER SMOKE EXTRACTION MOTORS**

MOUNTING : FOOT  
 VOLTAGE : 415 VOLTS ± 10%  
 FREQUENCY : 50Hz ± 5%  
 Paint: RAL7032 (PEBBLE GREY)  
 CI B3 IE2 TEAO ND Series Motor. T.BOX at TOP and 1m Flying leads  
 PROTECTION : IP55  
 RATING : S1/S2  
 Temperature : 300°C – 2Hrs  
 Insulation : H Class

**Smoke Extraction Motors**

OUTPUT Rating		2 Pole / 3000 RPM	
KW	HP	Frame	List Price
0.75	1.00	ND80	16235
1.10	1.50	ND80	17665
1.5	2.00	ND90S	20295
2.2	3.00	ND90L	25990
3.7	5.00	ND100L	32300
5.5	7.50	ND132S	52620
7.5	10.00	ND132S	59745
18.5	25	ND160L	146730
22	30	ND180M	164845
30	40	ND200L	242010
37	50	ND200L	293810

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
0.75	1.00	ND90S	20365
1.10	1.50	ND90L	22345
1.50	2.00	ND100L	32200
2.20	3.00	ND112M	34310
3.70	5.00	ND132S	53400
5.50	7.50	ND132M	65695
7.50	10.00	ND160M	100260
11	15	ND160L	123385
15	20	ND180L	161170
18.5	25	ND200L	230105
22	30	ND200L	247765

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
0.55	0.75	ND80	16625
0.75	1.00	ND80	16850
1.10	1.50	ND90S	20845
1.50	2.00	ND90L	25275
2.20	3.00	ND100L	30115
3.70	5.00	ND112M	38150
5.50	7.50	ND132S	53010
7.50	10.00	ND132M	62635
11	15	ND160M	102150
15	20	ND160L	126080
18.5	25	ND180M	161330
22	30	ND180L	176710
30	40	ND200L	243800



**CG Alternator -Brushless Type--1500 RPM**

**Screen Protected Drip Proof with enclosure conforming to protection IP23 ,Hor Foot Mounted(B3) ,1500 RPM , 4 Pole , 0.8 PF (lag) , Volt Regulation +/-1% , Single Bearing suitable for operations upto 40 Deg C Amb Temp& 1000 mtr altitude**

3 PHASE - 415V		
KVA	FRAME	List Price
5.0	G1R132MR	74960
7.5	G1R160C1F	77855
10.0	G1R160C1E	83515
12.5	G1R160C2A	89040
15.0	G1R160C2B	96680
20.0	G1R160C3B	113135
25.0	G1R160C4C	128880
30.0	G1R160C5A	146405
35.0	G1R200SE	158275
40.0	G1R200SE	171345
45	G1R200SA	187250
50	G1R200SB	194370
62.5	G1R200SC	228610
63	G1R200SC	228610
75	G1R200MB	251115
82.5	G1R200MD	256385
90	G1R200MDX	302400
100	G1R250SB	303435
110	G1R250SD	320610
125	G1R250SD	334555
140	G1R250MA	367560
160	G1R250MB	399435
180	G1R250LB	420145
200	G1R250LD	447590
225	G1R315SE	500925
250	G1R315SE	539425
275	G1R315SA	574805
300	G1R315SB	614735
320	G1R315SB	648230
380	G1R315MB	745045
400	G1R355SB	810600
415	G1R355SB	812550
437.5	G1R355SE	819415
450	G1R355SE	862335
500	G1R355SE	939665
550	G1R355ME	1001355
600	G1R355MA	1088340
625	G1R355MA	1105350
650	G1R355MB	1234225
680	G1R400SB	1635695

1 PHASE - 240V		
KVA	FRAME	List Price
5	G1R160C1F	76035
7.5	G1R160C1E	87255
10	G1R160C2A	97460
12.5	G1R160C3B	113660
15	G1R160C4C	128645
17.5	G1R160C5C	139835
20	G1R160C5A	147090
25	G1R200SF	173525
30	G1R200SA	190955
35	G1R200SC	216675
40	G1R200SD	235730
45	G1R200MB	267600
50	G1R200MD	299505
63	G1R250SD	361320
82.5	G1R250LB	436765

3 PHASE - 415V		
KVA	FRAME	List Price
750	G1R400SC	1657000
1010	G1R400MA	1977015
1250	G1R400MB	2294855
1400	G1R450SB	2909490
1500	G1R450SC	2942005
1750	G1R450MA	3833125
1900	G1R450MB	3893930
2000	G1R450LA	3983290
2250	G1R450LB	4275145



**CG Alternator -Brushless Type--3000 RPM**

Screen Protected Drip Proof with enclosure conforming to protection IP 23, Horizontal Foot Mounted (B3), 3000 RPM, 2 Pole, 0.8 PF (lag), Voltage Regulation +/-1%, Single Bearing suitable for operations upto 40 Deg C Ambient Temperature & 1000 mtr altitude. Temp rise limited to class 'H' limits

3 PHASE - 415V		
KVA	FRAME	List Price
5	G1R132MR/2	76715
7.5	G1R132MA/2	77820
10	G1R132MC/2	81595
12.5	G1R160S1A/2	87025
15	G1R160S1A/2	96680
20	G1R160SB/2	113135
25	G1R160SC/2	128880
30	G1R160MA/2	146405

1 PHASE - 240V		
KVA	FRAME	List Price
5	G1R132MR/2	76000
6	G1R132MA/2	80780
7.5	G1R132MC/2	87255
10	G1R160S1A/2	96555
12.5	G1R160SB/2	113695
15	G1R160SC/2	128645



### CG Dual Regulation Alternators - Brushless Type

-1500 RPM - D - Series Alternators for Mini hydro & emergency application.

Screen Protected Drip Proof with enclosure conforming to protection IP 23, Horizontal Foot Mounted (B3), 1500 RPM, 4 Pole, 0.8 PF (lag), Dual Voltage Regulation +/-2.5%, Double Bearing suitable for operations upto 40 Deg C Ambient Temperature & 1000 mtr altitude, with H class insulation & class F temp rise

3 PHASE - 415V		
KVA	FRAME	List Price
12.5	G2R160SB	113495
15.0	G2R160SB	125235
20	G2R160MC	203540
25.0	G2R160M2A	226985
30	G2R200SE	250465
35	G2R200SE	260285
40	G2R200SB	270075
50	G2R200SC	289715
63	G2R200MB	291275
75	G2R250SB	344410
100	G2R250SD	397615
110	G2R250MA	418130
125	G2R250MB	442980
145	G2R250LB	480955
160	G2R250LD	518905
180	G2R315SE	569280
200	G2R315SE	619680





**CG Alternators - Slip Ring Type USTAD Series ---1500 RPM**

Screen Protected Drip Proof with enclosure conforming to protection IP 23, Horizontal Foot Mounted (B3), 1500 RPM, 4 Pole, 0.8 PF (lag), Voltage Regulation +/-5%, Double Bearing suitable for operations upto 40 Deg C Ambient Temperature & 1000 mtr altitude

3 PHASE - 415V		
KVA	FRAME	List Price
5	G2S132MR	48455
6.5	G2S132MR	48850
7.5	G2S132MA	61820
10	G2S132MC	69110
12.5	G2S132MD	76165
15	G2S160S1B	81785
20	G2S160SC	111150
25	G2S160MC	121495
30	G2S160M2R	136450
32.5	G2S160M2R	140030
35	G2S200SE	147905
40	G2S200SE	157685
45	G2S200SB	175605
50	G2S200SB	180710
63	G2S200SD	213590
75	G2S200MD	238660
82.5	G2S200MD	247440

1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	55805
6	G2S132MC	63575
7.5	G2S160S1E	69170
10	G2S160S1B	78670
12.5	G2S160SC	96290
15	G2S160MC	113530
20	G2S200SE	153945

UPF ALTERNATORS		
1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	58050
6	G2S132MC	64915
7.5	G2S132MD	69170
10	G2S160S1E	78670
15.0	G2S160S1B	108390



**CASH EXTRA FOR SPECIAL FEATURES : ALTERNATORS**

**1 ) Additional prices for accessories**

Frame	132	160	200	250	315	355	400SC	400MA/E/B	450
SCM Aux Winding	Not Offered	2640/-	6600/-	STD	STD	STD	STD	STD	STD
Spaceheater	Not Offered	3300/-	4400/-		6600/-	7920/-		STD	STD
RTD ( 2 per phase)	Not Offered			11000/-	22000/-			STD	STD
Thermister	Not Offered		14850/-			18150/-			
BTD Rs. Each	Not Offered				11000/-			STD	STD
Digital AVR	Not Offered				209000/-				
Digital AVR + 1 Auto on plate	Not Offered				319000/-				
External PMG	Not Offered				44000/-				
Supply side CT's	Not Offered		5500/-	11000/-		22000/-			
No Of leads : 12	Not Offered	5% on Net							
Special Voltage	Not Offered	5% on Net							
Marine treatment	2% on Net					5% on Net			
Epoxy Paint	5500/-		6600/-		STD	STD	STD	STD	STD
RFI Kit	4800/-								
AVR filter	5500/-								
AVR droop CT	Not Offered	3850/-				STD	STD	STD	STD
AVR with Analogue input	Not Offered		4400/-	STD	STD	STD	STD	STD	STD

NOTE :

- RTD , BTD, Space Heaters are without controls.
- DC Injection Parallel operation Facility standard from 100 kVA And Above
- Droop CT facility 100 kVA to 380 kVA and 400 kVA to 2250 kVA Factory fitted CT
- For supply side CT's ,customer to specify rating of the CT's
- Upto 250 Frame alternators are with AL shell construction



<b>2) Inspection Charges</b>					
Type Test	6600/-	10560/-	13200/-	16500/-	22000/-
Routine Test	2640/-	5280/-		6600/-	8800/-
<b>* Type Test :Upto 355 Frame direct loading method and 400/450 Frame indirect loading method. Before Offering Get the QAP for Type test and routine test . Indirect loading method testing without regulation and dip and rise test.</b>					
<b>Notes :</b>	1) For Prices of other accessories and spares we have separate Price List.				
	2) All prices are valid delivery ex-our godown.				
	3) All Alternators comply with IS 13364, IS 4722:1992 for specifications of rotating electric machines .				
	4) GST extra at actual.				
	5) Inspection charges are for standard Alternators .				
	6) Upto 200kVA Alternators are in Aluminium Stator frames.				
	7) For non-standard, marine duty Alternators , please contact our nearest Branch Office.				
	8) For 2P Alternators - contact division before taking the order .				
	9)The list prices are maximum recommended prices. However, prices lower than this can be charged.				
	10) The list prices are subject to change without prior notice.				



**Laminated Yoke DC Motors** :: Screen protected Drip Proof with enclosure conforming to protection IP 23, Horizontal foot mounted (B3), base speed 1500 RPM, Blower cooled (IC06) suitable for operations upto 40 Degree C Ambient Temperature & 1000 mtr altitude, Insulation class F with temperature rise limited to class 'F' limits for Frame 100S to 132L, Insulation class H with temperature rise limited to class 'H' for Frame 160A to 280M, Armature voltage 440V & Field voltage 220V for frame 100S to 280M

LAMINATED YOKE DC MOTORS		
KW	ASBG Frame	List Price
2.2	100S	58360
3.7	100M	61655
5.5	100L	70810
On enquiry	112S	92540
7.5	112M	95640
On enquiry	112L	105855
11.0	132S	107780
15.0	132M	127275
22.5	132L	140275
30.0	160A	220795
40.0	160S	244850
50.0	160M	276825
56.0	160M	291075
60.0	160L	317490
On enquiry	180A	331360
75.0	180S	382920
100.0	180M	406080
On enquiry	200A	439105
115.0	200S	480640
On enquiry	200SX	551410
150.0	200M	601480
On enquiry	225A	636585
180.0	225S	712605
On enquiry	225SX	787510
225.0	225M	815255
On enquiry	250A	920550
295.0	250S	1006870

SOLID YOKE DC MOTORS	
Frame Size	List Price
AES160U	209310
AES160A	226665
AES160S	271580
AES160M	328665
AFS180U	242215
AFS180A	268135
AFS180S	311375
AFS180M	368425
AFS180SPL-S	372895
AFS180SPL-M	399560
AFS180SPL-L	409055
AFS180SPL-X	461640
AFS225S	496405
AFS225M	605390
AFS225L	665920
AFS225LX	770245
AFS225X	764500
AFS250S	846360
AFS250M	893140
AFS250L	903475
AFS280A	934050
AFS280S	982470
AFS280M	1127715
AFS315SX	1431970
AFS315S	1545210
AFS315M	1623245
AFS315L	1711310



**Laminated Yoke DC Motors** :: Screen protected Drip Proof with enclosure conforming to protection IP 23, Horizontal foot mounted (B3), base speed 1500 RPM, Blower cooled (IC06) suitable for operations up to 40 Degree C Ambient Temperature & 1000 mtr altitude, Insulation class F with temperature rise limited to class 'F' limits for Frame 100S to 132L, Insulation class H with temperature rise limited to class 'H' for Frame 160A to 280M, Armature voltage 440V & Field voltage 220V for frame 100S to 280M

LAMINATED YOKE DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	250SX	1035610
325.0	250M	1060850
On enquiry	250MX	1066405
On enquiry	250L	1095955
400.0	280S	On Request
450.0	280M	On Request
On enquiry	280MX	1346730
On enquiry	280L	1410370
On enquiry	280LX	1469030
On enquiry	280LY	1542940

LAMINATED YOKE DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	315S	1572710
On enquiry	315M	1610980
On enquiry	315L	1773135
On enquiry	315LX	1896865
On enquiry	315LL	2055515
On enquiry	355S	2254330
On enquiry	355M	2284535
On enquiry	355L	2407420
On enquiry	355LX	2539310
On enquiry	400S	2607390
On enquiry	400M	2667330
On enquiry	400L	2897495



**Laminated Yoke DC Motors** :: Screen protected Drip Proof with enclosure conforming to protection IP 23,Horizontal foot mounted (B3), base speed 1500 RPM, Blower cooled (IC06) suitable for operations upto 40 Degree C Ambient Temperature & 1000 mtr altitude,Insulation class F with temperature rise limited to class 'F' limits for Frame 100S to 132L,Insulation class H with temperature rise limited to class 'H' for Frame 160A to 280M,Armature voltage 440V & Field voltage 220V for frame 100S to 280M

Mill Duty DC Motors ( Non Split Type )		
Frame Size	List Price	LP(Forced Cooled)
ABS802	443545	521580
ABS803	549950	633325
ABS804	691870	800980
ABS806	1011185	1117590
ABS808	1188550	1341115
ABS810	1365980	1527390
ABS812	2299030	2533170
ABS814	2724750	2998870
ABS816	3164690	3445885



## CASH EXTRAS FOR SPECIAL FEATURES

### 1. Additional Prices for Accessories :

Frame	100-132	160	180	200	225	250	280	315	355	400
<b>Shaft Extn</b>	5% of List Price									
<b>DE Flange</b>	7.5% of List Price				5% of List Price				Not Offered	
<b>RTD</b>	Rs.7700/-					Rs 11000/-			Rs 13200/-	
<b>BTD</b>	Not offered			Rs 13200/-						
<b>Thermisters</b>	RS.2310/-		Rs. 4620/-							
<b>Space Heater</b>	Rs.2200/-		Rs.4400/-							
<b>Blower Filter</b>	Rs. 6600/-			Rs.11000/-		Rs.15400/-				
<b>Non Std Paint</b>	Rs.5500/-		Rs.6600/-					Rs.14850/-		
<b>Cab Glands/Run</b>	Rs.1650/-			Rs.2750/-			Rs.3520/-			

### 2. Inspection Charges

<b>Routine Test</b>	RS 4400 /-	Rs.8800/-	
<b>Type Test</b>	RS 8800 /-	Rs.17600/-	

- RTD , BTD , Space Heaters and Thermisters are without controls .

#### **NOTES:**

- 1) List prices are valid for delivery for delivery ex-godown.
- 2) GST extra as applicable.
- 3) Prices are subject to change without prior notice.
- 4) The list prices are maximum recommended prices, However, prices lower than this can be charged.
- 5) Condition for sales : The price list is subjected to our standard ' General terms and conditions of Tender & Sale ' .
- 6) For more details contact our nearest office.




## TERMS OF SALE

- 1) This price list supersedes all our Pricelist issued before.
- 2) For any extra feature not approved please contact nearest CG sales office and refer spare price list for other accessories and spares
- 3) Delivery: List Prices are ex-works/ex-godown and excluding GST which will be charged extra at actuals.
- 4) Conditions for Sales: The Price List is subjected to our standard "General Terms and Conditions of Tender and Sale" and prices are subject to revision without prior notice.
- 5) Prices are in INR rupees
- 6) **Packing and forwarding @1% will be charged extra over net prices.**

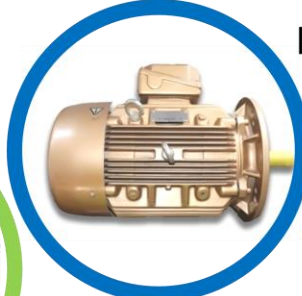
### General Notes:

- a) Due to improvement being made from time, frame sizes indicated above are provisional and subject to change without prior notice.
- b) The list prices are maximum recommended prices. However prices lower then this can be charged.
- c) The list prices are subjected to change without prior notice.
- d) Motor outputs are given in kW & HP. However KW is binding & HP is approximate.
- e) For more details please contact our sales office.


**LT MOTOR  
Division**




EV Motor




IE4 Motor




Smart Motor




IE3 FLP  
Motor



Crusher Motor



Smoke Ext.  
Motor



UL & NEMA Motor