



Price List

LTM 017 wef 05.06.2021

LV Motors | Alternators | DC Motors



SMARTOR

Industry 4.0 ready smart motor



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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	VOLTAGE 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 Eg. 220/440(On Enquiry) Triple voltage: (220/380/440) (On Enquiry)	No Extras 5% 5% 5% 5%
1.2	FREQUENCY Base Frequency of 50Hz or 60Hz 50/60 Hz motors for export	No Extras No Extras
1.3	VARIABLE VOLTAGE/VARIABLE FREQUENCY OPERATED MOTORS: 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. For 315 & Above to make motors suitable for VFD application, insulated bearing is must. Kindly refer cash extras for the same.	5% No Extras 5%
1.4	9 LEAD / 12 LEADS (Frame ND 90 to 250)	5%
1.5	AMBIENT TEMPERATURE -30 TO +65 C For frame size contact nearest branch office	List price as per selected frame
1.6	NON STANDARD RV/RA FOR SLIPRING MOTORS (PI take prior confirmation for RV/RA)	7.5%

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

2) All Rs. Figures to be added on net price

3) Inspection charges are subject to GST

4) For any Non-std 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

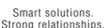
Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower
2.1	MOUNTING All types of mounting other than B3 (Foot) for all types of motors Extra loading on Foot mounted ALP Frames 63 to 160 180 to 450 for 400 only B3, B35 & V1 is possible to offer For 450/500 only B3 & B35 is possible to offer Please refer catalogue baseline or contact CG branch office	3% 5% 5% 5%
2.2	FORCED COOLING ARRANGEMENT * (ONLY SAFE AREA MOTORS) NOT APPLICABLE FOR 2 POLE MOTORS ND 160 / 180 ND 200 / 225 ND 250 ND 280 ND 315 S/M/L ND 355 / NG355 ND 400 / NG400 / ND450 / ND500	Rs 7000/- Rs 16500/- Rs 24000/- Rs 29000/- Rs 32000/- Rs 39000/- Rs 52000/-
2.3	SPECIAL FIXING DIMENSIONS OTHER THAN IS 1231/2223 / IEC 60072. 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 % ALP Extra 4 weeks delivery over STD delivery time
2.4	Fabricated stator body but fixing dimensions as per IS for frame 160 & above (ND frames only)	20% (Delivery 4 weeks extra to STD)
2.5	DOUBLE TERMINAL BOX FOR SLIPRING MOTORS Frames 315, 355, 400 & 450 STD TEFC	Rs. 8000/-
2.6	FLYING LEADS (1 meter & 6 leads), W/O T. Box Frames ND 80 to ND 355 For extra TB(Loose)	5% 3%

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2) MECHANICAL FEATURES

Sr No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																															
2.7	SPECIAL SHAFT EXTENSION 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) For D or E more than IS, please refer to division 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 Stainless steel shaft (Upto& including 180 frames)	5% 10% 5% 10% Refer to CG Sales office 10% extra price & extra delivery of 4 weeks. 15% extra price & extra delivery of 4 weeks.																															
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	CUSTOM SIZE FABRICATED TERMINAL BOX One size higher terminal box can be supplied for TEFC SCR motors as per table below <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> Refer DPA for 2 size & 3 size higher cable size	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	One size higher to be loaded 3% for two size higher - 5% For three size higher - 8%
Frame	with STD TB	One size higher T Box																															
ND160	2R x 3C x 35 sq mm	2R x 3C x 95 sq mm																															
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ND400LX	2R x 3C x 400 sq mm	Not Applicable																															
NG400LX	4R x 3C x 400 sq mm																																
2.10	FAULT LEVEL : 50 kA for 0.25 sec. with certificate Please refer to division for higher fault level (160 & above frame)	Rs. 50000/-																															

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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	SPECIAL BEARINGS 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) Regreasable bearings are provided as a standard for Frame 250 and above. C4 clearance bearing in frame 160-225 (2 Pole Only) *For FLP Motors regreasable bearing can be provided from E160 & onwards. Angular contact for 160-450 frames. Please refer to division. Bearing Suitable for 40Deg C	 Rs. 1200/- per motor and 4 weeks extra delivery Rs. 3500/- per motor and 10 weeks extra delivery VPI Charges +10%																																													
2.13	INSULATED BEARINGS AT NON DRIVING END (NDE) Can be provided for 160-225 frame at 20000/- NDE BEARING Selection <table><tr><th>Type</th><th>Price in Rs.</th><th>Frame</th><th>2 pole</th><th>4Pole & up</th></tr><tr><td>6314</td><td>30000</td><td>ND250M/MX</td><td>6314</td><td>6314</td></tr><tr><td>6315</td><td>30000</td><td>ND280S/M</td><td>6314</td><td>6318</td></tr><tr><td>6316</td><td>30000</td><td>ND315S/M/L/LX</td><td>6315</td><td>6319</td></tr><tr><td>6318</td><td>30000</td><td>ND355S/M/L</td><td>6316</td><td>6319</td></tr><tr><td>6319</td><td>30200</td><td>ND355LX</td><td>6316</td><td>6322</td></tr><tr><td>6322</td><td>38500</td><td>E355/ND400LX/NG355</td><td>6318</td><td>6322</td></tr><tr><td>6324</td><td>55000</td><td>ND450LX</td><td>NA</td><td>6326</td></tr><tr><td>6326</td><td>86500</td><td>E400</td><td>6318</td><td>6324</td></tr></table>	Type	Price in Rs.	Frame	2 pole	4Pole & up	6314	30000	ND250M/MX	6314	6314	6315	30000	ND280S/M	6314	6318	6316	30000	ND315S/M/L/LX	6315	6319	6318	30000	ND355S/M/L	6316	6319	6319	30200	ND355LX	6316	6322	6322	38500	E355/ND400LX/NG355	6318	6322	6324	55000	ND450LX	NA	6326	6326	86500	E400	6318	6324	
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6324	55000	ND450LX	NA	6326																																											
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2.14	ROLLER BEARING ON DE SIDE only for V Belt application (Not applicable up to 132 frame) For 160 to 225 frames online greasing charges to be added extra over roller bearing cash extras. FRAMES 160 TO 180 FRAMES 200 TO 250 FRAMES 280 TO 315 FRAME 355 FRAMES 400 TO 500 * For FLP motors roller bearings shall be provided from E160 and above frames.	 Rs. 2000/- Rs. 3500/- Rs. 5000/- Rs. 6000/- Rs. 9000/-																																													
2.15	NOISE LEVEL (As per IS 12065.) < = 85 dB(A) @ 1 m at no load for 4 pole motors and above < = 90 dB (A) @ 1 m at no load for all 2 pole motors. For lower noise level please refer to division	No extra 3% 3%																																													

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2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower																																																																																																		
2.16	Tacho (encoder) mounting arrangement for frame 160- aboveTEFC SCR Motors For other frames refer to division	5% OR Rs 7500 whichever is lower																																																																																																		
2.17	BRAKE MOTORS Brake Mounting Arrangement if brakes in CG scope (Only brake mounting arrangement will not be provided) In addition Refer the following Brake kit prices to be added in respective type of Motor Net Price <table><tr><th colspan="6">Flameproof Motors</th></tr><tr><th></th><th colspan="3">Gas Group IIA/IIB</th><th colspan="2">Gas Group IIC</th></tr><tr><th>Frame</th><th>Brake size</th><th>Brake Torque NM</th><th>Brake & kit prices</th><th>Brake Torque NM</th><th>Brake kit Net price</th></tr><tr><td>90</td><td>10</td><td>16</td><td>16000</td><td>16</td><td>20000</td></tr><tr><td>100</td><td>12</td><td>32</td><td>21000</td><td>32</td><td>23750</td></tr><tr><td>112</td><td>14</td><td>60</td><td>23000</td><td>60</td><td>26250</td></tr><tr><td>132</td><td>16</td><td>100</td><td>30000</td><td>100</td><td>33250</td></tr><tr><td>160</td><td>16</td><td>100</td><td>31000</td><td>100</td><td>37000</td></tr></table> Crane Duty Brake Motor Please add Brake kit Price to S4 duty IE2 Prices after discount. <table><tr><th>Sr No</th><th>Frame</th><th>Brake Size</th><th>Brake Torque (Nm)</th><th>Brake Kit ALP</th></tr><tr><td>1</td><td>80</td><td>8</td><td>8</td><td>4800</td></tr><tr><td>2</td><td>90</td><td>10</td><td>16</td><td>6600</td></tr><tr><td>3</td><td>100</td><td>12</td><td>32</td><td>8575</td></tr><tr><td>4</td><td>112</td><td>14</td><td>60</td><td>9800</td></tr><tr><td>5</td><td>132</td><td>16</td><td>100</td><td>13475</td></tr><tr><td>6</td><td>160M</td><td>18</td><td>150</td><td>19475</td></tr><tr><td>7</td><td>160L</td><td>20</td><td>260</td><td>25200</td></tr><tr><td>8</td><td>180</td><td>25</td><td>400</td><td>35150</td></tr><tr><td>9</td><td>200</td><td>25</td><td>400</td><td>44220</td></tr></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	16000	16	20000	100	12	32	21000	32	23750	112	14	60	23000	60	26250	132	16	100	30000	100	33250	160	16	100	31000	100	37000	Sr No	Frame	Brake Size	Brake Torque (Nm)	Brake Kit ALP	1	80	8	8	4800	2	90	10	16	6600	3	100	12	32	8575	4	112	14	60	9800	5	132	16	100	13475	6	160M	18	150	19475	7	160L	20	260	25200	8	180	25	400	35150	9	200	25	400	44220	10%
Flameproof Motors																																																																																																				
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2) MECHANICAL FEATURES

Sr. No	Description	Cash Extras in % of ALP or absolute value in INR whichever is Lower												
2.18	ANTI CORROSIVE TREATMENT/PAINT 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 upto 130 microns C3-M/C4-M/C5-M painting for standard paint shade (Applicable for min order val of 30 Lacks. Not Applicable for IIC) C3-M/C4-M/C5-M painting for non standard paint shade (Applicable for min order val of 50 Lacks. 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 Fan cover will be black powder coated for NG (up to 132 Frame) /GD series motors	No Extra Charges 3% 5% subject to max 15,000/- 5% 12.5% 20%												
2.19	JACKING OUT HOLES ON MOTOR FEET Jacking out holes on motor feet are provided as a default for 315 & Above Jacking out holes on motor feet for 225, 250 & 280 Frames Soft Foot (Upto 200 Microns) Consult div for lower than 200 Microns	No Extra 2% 5%												
2.20	VIBRATION LEVEL 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. <table><tr><th>Shaft Height H mm \ Vibration Grade</th><th>56≤H≤132</th><th>132≤H≤280</th><th>H>280</th></tr><tr><th>A</th><td>1.6</td><td>2.2</td><td>2.8</td></tr><tr><th>B</th><td>0.7</td><td>1.1</td><td>1.8</td></tr></table> For any other value please refer to division	Shaft Height H mm \ Vibration Grade	56≤H≤132	132≤H≤280	H>280	A	1.6	2.2	2.8	B	0.7	1.1	1.8	No Charges – A 20% – B
Shaft Height H mm \ Vibration Grade	56≤H≤132	132≤H≤280	H>280											
A	1.6	2.2	2.8											
B	0.7	1.1	1.8											
2.21	STAINLESS STEEL HARDWARE – Upto Frame 225 Frame 250and above *Not available for aluminum motors (GD frame) & FLP Motors Brass Studs Frame 63 to 225 250 to 355 400 & Above	Rs. 1500/- Rs. 2500/- Rs 5500/- Rs 11000/- Refer Division												

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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	TOTALLY ENCLOSED MOTORS WITHOUT FAN : Deration factor = 0.5	ALP as per selected frame
2.23	AIR STREAM RATED MOTOR : Totally enclosed motor cooled because of fan Directly mounted on motor shaft. Output as per TEFC motors	ALP as per TEFC frame
2.24	MS Canopy (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	Rs. 1500/- Rs. 2000/- Rs. 3500/- Rs. 6000/- Rs. 8000/- 7.50% sub to max of Rs. 18000/-
2.25	ENCLOSURE Increased safety type 'e' (Ex e "b") motors as per IEC 60079-7 with anticorrosive paint Non sparking type 'N' (Ex e "c") 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%

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SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

3) HAZARDOUS AREA MOTORS THAT CAN BE OFFERED:

3.1 FOR TYPE 'E' & TYPE 'N' 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-INDIAN APPROVALS				
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 - 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 IECX Certification in IIA,IIB& IIC refer division

4) PRICING POLICY FOR SPECIAL MOTORS:

4.1	Smart Motor Kit (280 to ND355 Frame)	Rs 25000
	Smart motor kit with PT100(280 to ND355 Frame) (Price only for kit, Monthly subscription charges extra)	Rs 30000
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

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SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS

5) ACCESSORIES

Sr .No	Description of EXTRA FEATURE	Cash Extras in % of ALP or absolute value in INR whichever is Lower
5.1	SPACE HEATERS - Space heaters are terminated in auxiliary terminal box on top of main terminal box (Except for all FLP motors & 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.) For Non FLP Motors For frames 160 to 180 TEFC For frames 200 to 250 TEFC For frames 280 to 500 (TEFC) FLP (ATEX) /type "e" /type "n" (Add 2% extra in case separate auxiliary terminal Box required.) 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 No Space heaters will be provided for frames below 132 Space heater for ND132 frame (TEFC)	Rs. 2500/- Rs. 4500/- Nil Rs. 8700 / - Rs. 9500/- Rs. 12500/- Rs. 3000/- Rs. 2000/-
5.2	THERMISTORS (Without relays) 80 frames above(80 frame in FLP not possible) varieties : PTC -110, PTC-130, PTC-150 3 nos per motor Frame 80- 450 6 nos (PTC 130-3 nos& PTC 150- 3 nos) per motor 160-450 For FLP type "e" Type "n" & "ne" PTC 130 ° C - 3 nos PTC 150 ° C - 3 nos	Rs. 2600/- Rs. 4700/- Rs. 5000/- Rs. 5900/-
5.3	RTD's 160 frames and above (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 & above only). Applicable for Type e & Type n also.	Rs. 7500/- Rs. 12500/- RS.12500/- 6% RS.24500/-
5.3A	Vibration Probe Mounting Arrangement, 18X25mm (Probe not in CG Scope) Spm Holes	Rs 5500/-

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

2) All Rs. Figures to be added on net price

3) Inspection charges are subject to GST4) For any Non-std 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	BEARING TEMPERATURE DETECTOR (2 Nos.) ROD Type (Duplex) without wiring (not possible for FLP motor) Frames 160 to 225 250 to ND355 NG355 & Above Ex'e' & Ex'n' motors BTD BTD Termination in Separate Terminal Box For slip ring motors BTD will be on DE side only	Rs.8000/- Rs.9000/- No Extra Rs. 30000/- Rs.5000/-
5.5	Cable sealing box 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	Rs. 2000/- Rs. 2200/- Rs. 1700/- Rs. 1500/-
5.6	Additional nameplates	Rs. 500/-
5.7	Direction arrow plate	Rs. 600/-
5.8	FLP Plug and socket arrangement : (SAFEX Make) 30 Amps, 600 volts 110 Amps, 600 volts 150 Amps, 600 volts Plug and Socket Arrangement for Safe Area	Rs. 19800/- Rs. 23100/- Rs. 28600/- Refer Division
5.9	DOUBLE COMPRESSION GLANDS (Per run of Cable) For single Run / Conical Gland / FLP & Type "E", Type "N" 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	STD / CONICAL / FLP & Type "E" Type "N" Rs. 1500 / Rs 2250 / Rs 4500 Rs. 2500 / Rs 3700 / Rs 9000 Rs. 3200 / Rs 4800 / Rs 21000 Rs. 1100 / NA / Rs 1800 50% of gland Price Same as rates of FLP Glands
5.10	FINISHING AND PACKING 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 Rs. Figures to be added on net price
- 3) Inspection charges are subject to GST
- 4) For any Non-std 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	INSULATIONS CLASS Class 'H' insulation For frame 63-500	10%
6.2	MULTI SPEED MOTORS (Only for Safe Area) 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	Motor with higher polarity Extra Loading on 8P Motor ALP- (Higher Frame in that KW) 10 pole 12 pole 16 pole	10% 15% 20%
6.4	CRANE DUTY MOTORS : Intermittent Duty (other than S1)	For rating/ frames not covered in price lists please load 5% extra over identified frame/rating ALP
6.5	EPOXY GEL COAT(63 to 500 frames)	2%
6.6	CLEAN FLOW CONSTRUCTION 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 Rs. Figures to be added on net price
- 3) Inspection charges are subject to GST
- 4) For any Non-std 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 Inspection as per Customer format of QAP Routine testing per motor: Frames 63 to 160 Frames 180 to 250 Frames 280 to 500 Additional No Load running over routine testing	As per Net Charges given below 5% + Net Charges as given below Rs. 2500/- Rs. 3500/- Rs. 4500/- Rs 1000 Per Motor
7.2	Type testing per motor 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	Rs. 5500/- Rs. 8250/- Rs. 12650 Rs. 15400/- Rs. 27500/- 25% of Type test charge per Motor
7.3	FLP Pressure test per motor Frame 80 to 160 Frame 180 to 400	Rs. 3300/- Rs. 8800/-
7.4	IInd numeral IP55 test per motor (Prior confirmation from Division required)	Rs. 5000/-
7.5	Testing with inverter drive (with ERTL/ KRANDIKAR witness) Customer to arrange power analyzer along with drive (Without ERTL/KARANDIKAR witness)	Rs. 1,75,000/- per motor Rs. 55,000/- per motor
7.6	DOCUMENTS CHARGES (technical/ commercial) documents for approval/ submission Marine motor documentation: please refer such enquiries to division.	Rs. 1500/- per rating Rs. 14000/- per rating

- 1) All % (percentage) figures are to be loaded on list price
- 2) All Rs. Figures to be added on net price
- 3) Inspection charges are subject to GST
- 4) For any Non-std 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 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.37	0.50	-	-	-	-	PC80	19545
0.55	0.75	PC80	17355	PC80	18450	PC80	20105
0.75	1.00	PC80	17945	PC80	18685	PC90S	22620
1.10	1.50	PC80	19575	PC90S	23060	PC90L	24805
1.50	2.00	PC90S	22440	PC90L	28030	PC100L	38020
2.20	3.00	PC90L	28795	PC100L	33350	PC112M	40150
3.70	5.00	PC100L	36865	PC112M	42275	PC132S	59155
5.50	7.50	PC132S	58270	PC132S	58655	PC132M	72695
7.50	10.00	PC132S	60340	PC132M	69325	PC160M	108380
9.30	12.50	PC160M	101640	PC160M	108115	PC160L	118105
11	15	PC160M	105365	PC160M	111835	PC160L	133390
15	20	PC160M	123425	PC160L	136345	PC180L	174245
18.5	25	PC160L	158605	PC180M	174450	PC200L	248830
22	30	PC180M	175990	PC180L	191065	PC200L	273665
30	40	PC200L	261630	PC200L	263610	PC225M	382805
37	50	PC200L	317680	PC225S	308220	PC250M	514775
45	60	PC225M	408820	PC225M	373615	PC280S	616590
55	75	PC250M	550310	PC250M	513415	PC280M	708055
75	100	PC280S	660845	PC280S	600770	PC315S	812585
90	120	PC280M	762270	PC280M	699775	PC315M	1016805
110	150	PC315S	962885	PC315S	847590	PC315M	1133815
132	180	PC315M	1183390	PC315M	993155	PC315L	1323605
160	215	PC315L	1296320	PC315L	1256145	PC315L	1378175
180	240	PC315L	1364635	PC315L	1357810	PC355L	1683645
200	270	PC315L	1513425	PC315L	1414540	PC355L	1767780
225	300	PC355L	1601520	PC355L	1746260	PC355L	1843135
250	335	PC355L	1695205	PC355L	1781175	PC355L	1935310
275	370	PC355L	1794685	PC355L	1886860	PC355L	2187775
315	425	PC355L	1837845	PC355L	2025300	PC355L	2708310

Standard Paint Shade : RAL1036 (Pearl Gold)

For other ratings please contact nearest CG Office

8 Pole motors are available on request

Temperature rise with VFD in same frame shall be limited to class F ; If customer required 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



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	15020	ND90S	18330
0.55	0.75	NG80	13365	NG80	13840	NG80	15435	ND90L	20045
0.75	1.00	NG80	13810	NG80	14045	NG90S	17415	ND100L	24630
1.10	1.50	NG80	15050	NG90S	17295	NG90L	19040	ND100L	29950
1.50	2.00	NG90S	17235	NG90L	21050	NG100L	29240	ND112M	34710
2.20	3.00	NG90L	22145	NG100L	25070	NG112M	30865	ND132S	45945
3.70	5.00	NG100L	28380	NG112M	31755	NG132S	45500	ND160M	71515
5.50	7.50	NG132S	44820	NG132S	44050	NG132M	55905	-	109090
7.50	10.00	NG132S	46385	NG132M	52060	ND160M	83370	ND160L	113285
9.30	12.50	ND160M	78165	ND160M	81210	ND160L	90850	ND180M	147310
11.00	15.00	ND160M	81035	ND160M	84020	ND160L	102645	ND180L	155355
15	20	ND160M	94955	ND160L	102435	ND180L	134040	ND200L	218705
18.5	25	ND160L	121975	ND180M	131085	ND200L	191390	ND225S	280640
22.0	30	ND180M	135370	ND180L	143560	ND200L	210515	ND225M	337370
30	40	ND200L	201235	ND200L	198040	ND225M	294445	ND250M	455500
37	50	ND200L	244365	ND225S	231565	ND250M	395990	ND280S	594030
45	60	ND225M	314490	ND225M	280700	ND280S	474305	ND280M	638465
55	75	ND250MX	423310	ND250MX	385735	ND280M	544660	ND315S	696320
75	100	ND280S	528670	ND280S	469455	ND315S	650110	ND315M	864600
90	120	ND280M	609845	ND280M	546820	ND315M	813445	ND315L	1170735
110	150	ND315S	770315	ND315S	662290	ND315M	907070	ND315LX	1239410
125	170	ND315M	903815	ND315M	754465	ND315LX	988660	ND315LX	1361710
132	180	ND315M	946740	ND315M	776050	ND315LX	1058870	ND315LX	1435940
160	215	ND315LX	1037055	ND315LX	981535	ND315LX	1102535	ND355LX	1668360
180	240	ND315LX	1091715	ND315LX	1060970	ND355LX	1346900	ND355LX	1711700
200	270	ND315LX	1210735	ND315LX	1105315	ND355LX	1414245	ND355LX	1833675
225	300	ND355LX*	1281210	ND355LX	1364520	ND355LX	1474490	ND355LX	2605285
250	335	ND355LX*	1356180	ND355LX	1391805	ND355LX	1548220	-	-
275	370	ND355LX*	1435735	ND355LX	1474405	ND355LX	1750220	-	-
315	425	ND355LX*	1470265	ND355LX*	1582570	ND355LX*	2166670	-	-
355	473	-	-	ND355LX*	1922630	-	-	-	-
375	500	-	-	ND355LX*	2196940	-	-	-	-

275KW/2Pole is suitable for 40 Deg C Amb/70 Deg C Temperature rise

Standard Paint Shade : RAL5021 (Water Blue) Epoxy

*These are suitable to temperature rise limited to class F

Temp rise with VFD in same frame shall be limited to class F. If cust need 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	10230	GD71	10510	GD80	14960
0.55	0.75	GD71	13290	GD80	13785	GD80	15330
0.75	1.00	GD80	13725	GD80	13970	GD90S	17280
1.10	1.50	GD80	14990	GD90S	17215	GD90L	18950
1.50	2.00	GD90S	17155	GD90L	20955	GD100L	29115
2.20	3.00	GD90L	22040	GD100L	24945	GD112M	30755
3.00	4.00	GD100L	26025	GD112M	28620	GD132S	45280
3.70	5.00	GD100L	28250	GD112M	31620	GD132S	45280
4.00	5.50	GD112M	34955	GD112M	36380	GD132S	48585
5.50	7.50	GD132S	44630	GD132S	43860	GD132M	55665
7.50	10.00	GD132S	46175	GD132M	51830	-	-
9.3*	12.50	GD132M	69695	GD132M	72015	-	-

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	13070	ND90S	15905
0.55	0.75	-	-	ND80	12035	ND80	13425	ND90L	17415
0.75	1.00	ND80	12035	ND80	12210	ND90S	15110	ND100L	21405
1.10	1.50	ND80	13070	ND90S	15080	ND90L	16585	ND100L	26045
1.50	2.00	ND90S	15020	ND90L	18300	ND100L	23860	ND112M	30185
2.20	3.00	ND90L	19275	ND100L	21790	ND112M	25395	ND132S	39940
3.70	5.00	ND100L	23920	ND112M	27615	ND132S	39555	ND160M	62170
5.50	7.50	ND112M	32315	-	-	-	-	-	-
5.50	7.50	ND132S	40740	ND132S	38345	ND132M	48635	ND160M	77695
7.50	10.00	ND132S	44260	ND132M	45290	ND160M	74235	ND160L	98505
9.30	12.50	ND132M	64450	ND132M	59895	-	-	ND180M	128095
9.30	12.50	ND160M	74530	ND160M	73200	ND160L	80885	-	-
11	15	ND160M	78670	ND160M	75625	ND160L	91350	ND180L	135075
15	20	ND160M	84550	ND160L	91205	ND180L	119315	ND200L	190150
18.5	25	ND160L	108645	ND180M	116685	ND200L	170340	ND225S	244010
22	30	ND180M	122035	ND180L	127800	ND200L	183440	ND225M	293380
30	40	ND200L	179180	ND200L	176345	ND225M	262165	ND250M	396080
37	50	ND200L	217555	ND225S	206170	ND250M	352505	ND280S	516520
45	60	ND225M	279960	ND225M	249895	ND280S	422245	ND280M	555185
55	75	ND250MX	376895	ND250MX	343400	ND280M	484915	ND315S	605455
75	100	ND280S	470665	ND280S	417955	ND315S	592230	ND315M	751790
90	120	ND280M	542945	ND280M	486810	ND315M	741015	ND315L	1018045
110	150	ND315S	701700	ND315S	603315	ND315M	826275	ND315LX	1077735
125	170	ND315M	823375	ND315M	687270	ND315LX	900655	ND315LX	1184100
132	180	ND315M	862430	ND315M	706960	ND315LX	964595	ND315LX	1248635
150	201	-	-	ND315LX	785715	-	-	-	-
160	215	ND315LX	944700	ND315LX	829440	ND315LX	1004390	ND355LX	1450725
180	240	ND315LX	994545	ND315LX	882175	ND355LX	1163110	ND355LX	1488415
200	270	ND315LX	1102950	ND315LX	1006870	ND355LX	1191105	ND355LX	1594485
225	300	ND355LX*	1241925	ND355LX	1158025	ND355LX	1226875	ND355LX	2265465
250	335	ND355LX*	1271990	ND355LX	1228710	ND355LX	1311780	-	-
275	370	ND355LX*	1307935	ND355LX	1343145	ND355LX*	1594395	-	-
315	425	ND355LX*	1339360	ND355LX*	1441675	ND355LX*	1973715	-	-
355	473	-	-	ND355LX*	1751460	-	-	-	-
375	500	-	-	ND355LX*	2001355	-	-	-	-

*These are suitable to temperature rise limited to class F
Temp rise with VFD in same frame shall be limited to class F. If cust required with 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	7635	GD63	8160	-	-
0.25	0.33	GD63	7855	GD71	8285	-	-
0.37	0.50	GD71	8935	GD71	9150	GD80	13015
0.55	0.75	GD71	11590	GD80	11965	GD80M	13355
0.75	1.00	GD80	11930	GD80	12150	GD90S	15025
1.10	1.50	GD80	13015	GD90S	14990	GD90L	16505
1.50	2.00	GD90S	14930	GD90L	18205	GD100L	23710
2.20	3.00	GD90L	19165	GD100L	21670	GD112M	25255
3.70	5.00	GD100L	23800	GD112M	27445	GD132S	39375
4.00	5.50	GD112M	30385	GD112M	31650	GD132S	42250
5.50	7.50	GD132S	40550	GD132S	38170	GD132M	48435
7.50	10.00	GD132S	44045	GD132M	45095	GD132M*	77610
9.30	12.50	GD132M*	60610	GD132M*	62620	-	-
11.00	15.00	GD132M*	74025	GD132M*	71150	-	-

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 confirming 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	2277615
315	422	-	-	-	-	-	-	NG355LX	2360390
355	476	NG355LX	1829330	-	-	NG355LX	2100655	NG400LX	2505365
375	503	NG355LX	1925615	-	-	ND400LX	2588140	NG400LX	2629555
400	535	NG355LX	2008420	NG355LX	2070560	NG400LX	2836645	NG400LX	2836645
425	570	NG355LX	2091255	ND400LX	2422560	-	-	-	-
450	600	NG400LX	2546755	NG400LX	2588140	NG400LX	2919445	ND450LX	4120335
500	670	NG400LX	2629555	NG400LX	2670975	NG400LX	3043640	ND450LX	4451610
560	750	NG400LX	2712390	NG400LX	2836645	NG400LX	3126505	ND450LX	On Request
630	850	NG400LX	3002250	NG400LX	3002250	ND450LX	3954665	ND500LX*	On Request
710#	950	-	-	ND450LX	On Request	ND500LX*	4220550	-	-
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 confirming 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

SMART MOTOR - HIGHER CAPACITIES									
UTPUT 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	2505365
315	422	-	-	-	-	-	-	NG355LX	2596475
355	476	NG355LX	On Request	-	-	NG355LX	2254855	NG400LX	2755905
375	503	NG355LX	On Request	-	-	ND400LX	2846990	NG400LX	2892545
400	535	NG355LX	On Request	NG355LX	2277645	NG400LX	3120325	NG400LX	3120325
425	570	NG355LX	On Request	ND400LX	2664795	-	-	-	-
450	600	NG400LX	On Request	NG400LX	2846990	NG400LX	3211405	ND450LX	4532405
500	670	NG400LX	2892545	NG400LX	2938100	NG400LX	3348075	ND450LX	4896825
560	750	NG400LX	2983655	NG400LX	3120325	NG400LX	3439185	ND450LX	On Request
630	850	NG400LX	3302490	NG400LX	3302490	ND450LX	4350185	ND500LX*	On Request
710#	950	-	-	ND450LX	On Request	ND500LX*	On Request	-	-
710#	950	-	-	ND500LX*	On Request	-	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 SQUIRREL CAGE 3 PH INDUCTION MOTORS-FOOT MOUNTED

Enclosure confirming 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	2598785
315	422	-	-	-	-	NG355LX	2361870	NG355LX	2726315
355	476	NG355LX	On Request	NG355LX	2295680	NG355LX	2771840	NG400LX	3136260
375	503	NG355LX	On Request	NG355LX	2416590	ND400LX	3227340	NG400LX	3272925
400	535	NG355LX	On Request	NG355LX	2589650	NG400LX	3500675	NG400LX	3500675
425	570	NG355LX	On Request	ND400LX	3045175	-	-	-	-
450	600	NG400LX	On Request	NG400LX	3227340	NG400LX	3591760	ND450LX	5131400
500	670	NG400LX	3029215	NG400LX	3318480	NG400LX	3728455	ND450LX	5495820
560	750	NG400LX	3120325	NG400LX	3500675	NG400LX	3819535	ND450LX	On Request
630	850	NG400LX	3439185	NG400LX	3682810	ND450LX	4949150	-	-
710#	950	-	-	ND450LX	On Request	ND500LX	On Request	-	-
710#	950	-	-	ND500LX	On Request	-	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, Noise, 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 confirming 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	24660	E80	24275	E80	28145
0.55	0.75	E80	27585	E80	26755	E80	28915
0.75	1.00	E80	28410	E80	27820	E90L	33705
1.10	1.50	E90L	31780	E90L	30805	E90L	34680
1.50	2.00	E90L	32490	E90L	34500	E100L	50200
2.20	3.00	E90L	44405	E100L	43875	E112M	58330
3.70	5.00	E100L	56410	E112M	55580	E132M	77280
5.50	7.50	E132M	80030	E132M	76420	E132M	93625
7.50	10.00	E132M	88365	E132M	87035	E160L	148345
9.30	12.50	E160L	163865	E160L	137705	E160L	173535
11	15	E160L	163865	E160L	137705	E160L	181635
15	20	E160L	184090	E160L	167475	E180L	232365
18.5	25	E160L	209070	E180L	190150	E200L	288945
22	30	E180L	248000	E180L	226010	E200L	313425
30	40	E200L	333850	E200L	303225	E225M	513830
37	50	E200L	432415	E225S	394955	E250M	631045
45	60	E225M	548860	E225M	499400	E280M	732885
55	75	E250M	672015	E250M	611860	E280M	790505
75	100	E280M	826065	E280M	749825	E315M	926935
90	120	E280M	893265	E280M	764340	E315M	1086955
110	150	E315M	1034925	E315M	912565	E315L	1191695
132	180	E315M	1227055	E315M	1104430	E315L	1444485
160	215	E315L#	1391155	E315L#	1159740	E315L#	1819900
180	240	E315L#	1667920	E315L#	1388230	E355LX	1973360
200	270	E315L#	2072335	E315L#	1655150	E355LX	2077240
225	300	E355LX#	2590445	E355LX*	2187895	-	-
250	335	E355LX#	2719960	E355LX*	2254500	-	-

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 is not available in E315L frame

For E80 & E355LX-DGMS certificate is not available

Suitable for 40 degree and 80 degree Temp rise.

*These are suitable to temperature rise limited to class F

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

160 to 250KW in 2 Pole AND 160&180KW 4 Pole are suitable for 40 degree and 80 degree Temp rise

Standard paint shade : RAL 5021 (Water Blue)

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

Enclosure confirming 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	23060	E80	22675	E80	26315	E90L	31605
0.55	0.75	E80	25810	E80	25040	E80	27080	E90L	34205
0.75	1.00	E80	26580	E80	26015	E90L	31515	E100L	41390
1.10	1.50	E90L	29740	E90L	29740	E90L	32460	E100L	48130
1.50	2.00	E90L	30395	E90L	32285	E100L	46975	E112M	57740
2.20	3.00	E90L	41540	E100L	41035	E112M	54575	E132M	76305
3.70	5.00	E100L	52800	E112M	51975	E132M	72310	E160L	123425
5.50	7.50	E132M	74885	E132M	71485	E132M	87625	E160L	145035
7.50	10.00	E132M	82690	E132M	81420	E160L	138770	E160L	176905
9.30	12.50	E160L	156150	E160L	128835	E160L	163245	E180L	224885
11	15	E160L	156150	E160L	128835	E160L	169955	E180L	236885
15	20	E160L	172235	E160L	156685	E180L	217375	E200L	320195
18.5	25	E160L	195590	E180L	177880	E200L	270350	E225S	397500
22	30	E180L	232040	E180L	211465	E200L	293260	E225M	523140
30	40	E200L	312360	E200L	283715	E225M	480750	E250M	642485
37	50	E200L	404535	E225S	369505	E250M	590395	E280M	824500
45	60	E225M	513535	E225M	467240	E280M	685675	E280M	842000
55	75	E250M	628765	E250M	572450	E280M	739595	E315M	1025910
75	100	E280M	772855	E280M	701550	E315M	867220	E315M	1201570
90	120	E280M	835705	E280M	715150	E315M	1016950	E315L	1315210
110	150	E315M	968265	E315M	853795	E315L	1114925	E315L	1538140
125	170	E315M	1130560	E315M	991970	E315L	1325110	E355LX	1573110
132	180	E315M	1148035	E315M	1033300	E315L	1351450	E355LX	1598595
150	200	E315L	1246710	E315L	1069720	E315L	1477715	E355LX	1677970
160	215	E315L#	1301550	E315L#	1085065	E315L#	1702745	E355LX	1844525
180	240	E315L#	1560460	E315L#	1298800	E355LX	1846270	E355LX	1922690
200	270	E315L#	1938890	E315L#	1548545	E355LX	1943440	E355LX	2095365
225	300	E355LX#	2423595	E355LX#	2186090	E355LX	2237290	E355LX	2307210
250	335	E355LX#	2544770	E355LX#	2252635	E355LX	2398140	E400LX	3567810
275	370	E355LX#	2671980	E355LX#	2304545	E355LX	2412095	-	-
315	425	E355LX#	2805630	E355LX#	2530670	-	-	-	-
325	435	E355LX#	2877380	E355LX#	2576405	-	-	-	-
355	476	E400LX*	3964215	E400LX*	3567810	-	-	-	-
375	503	E400LX*	4264835	E400LX*	3838370	-	-	-	-
400	535	E400LX*	4691335	E400LX*	4222205	-	-	-	-

In 400 frame - 6pole and above on request

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 IIA, IIB E80, E315L , E355LX & E400LX will be with T/B on TOP only

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 F. Standard paint shade : RAL 7034 (Yellow Grey)Epoxy

Temp rise with VFD in same frame shall be limited to class F .If cust 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	17120
0.55	0.75	-	-	-	-	-	-	ND90L	18745
0.75	1.00	ND80	13275	ND80	13780	ND90S	16645	ND100L	23030
1.10	1.50	ND80	14400	ND90S	17030	ND90L	18215	ND100L	28030
1.50	2.00	ND90S	16530	ND90L	20610	ND100L	26225	ND112M	32460
2.20	3.00	ND90L	21230	ND100L	24540	ND112M	27970	ND132S	42955
3.70	5.00	ND100L	26315	ND112M	31100	ND132S	43520	ND160M	66845
4.00	5.50	ND112M	35535	-	-	-	-	-	-
5.50	7.50	ND132S	44820	ND132S	43165	ND132M	53540	ND160M	83545
7.50	10.00	ND132S	48660	ND132M	46385	ND160M	81685	ND160L	105895
9.30	12.50	ND132M	70895	ND132M	67495	-	-	-	-
9.30	12.50	ND160M	82010	ND160M	82450	ND160L	88985	ND180M	137705
11	15	ND160M	86560	ND160M	83220	ND160L	100515	ND180L	145215
15	20	ND160M	93035	ND160L	102730	ND180L	131290	ND200L	204425
18.5	25	ND160L	119495	ND180M	131435	ND200L	187430	ND225S	262340
22	30	ND180M	134275	ND180L	143915	ND200L	201795	ND225M	315405
30	40	ND200L	197125	ND200L	198575	ND225M	288415	ND250M	425790
37	50	ND200L	239310	ND225S	232185	ND250M	387805	ND280S	555275
45	60	ND225M	307985	ND225M	281435	ND280S	464490	ND280M	641625
55	75	ND250MX	414615	ND250MX	386710	ND280M	533400	ND315S	777435
75	100	ND280S	517730	ND280S	470695	ND315S	651470	ND315M	965365
90	120	ND280M	597285	ND280M	548240	ND315M	815130	ND315L	1094405
110	150	ND315S	771880	ND315S	679465	ND315M	908960	ND315LX	1158585
125	170	ND315M	905710	ND315M	774035	ND315LX	990730	ND315LX	1272935
132	180	ND315M	948665	ND315M	796150	ND315LX	1061090	ND315LX	1342290
160	215	ND315LX	1039215	ND315LX	934120	ND315LX	1104840	ND355LX	1559545
180	240	ND315LX	1093965	ND315LX	993540	ND355LX	1218540	ND355LX	1600075
200	270	ND315LX	1213275	ND315LX	1133960	ND355LX	1310270	ND355LX	1714095
225	300	ND355LX*	1366175	ND355LX	1304180	ND355LX	1349560	ND355LX	2435390
250	335	ND355LX*	1399225	ND355LX	1383765	ND355LX	1442980	-	-
275	370	ND355LX*	1438750	ND355LX	1512655	ND355LX*	1753855	-	-
315	425	ND355LX*	1473310	ND355LX*	1623605	ND355LX*	2171130	-	-
355	473	-	-	ND355LX*	1972500	-	-	-	-
375	500	-	-	ND355LX*	2253935	-	-	-	-

*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	18950	143T	21285	145T	22320
1.10	1.50	143T	22500	145T	21820	182T	39735
1.50	2.00	145T	23060	145T	24215	184T	41715
2.20	3.00	182T	40445	182T	40860	213T	64390
3.70	5.00	184T	43930	184T	44585	215T	69975
5.50	7.50	213T	62290	213T	68705	254T	115860
7.50	10.00	215T	66875	215T	73970	256T	131350
11.00	15.00	254T	102675	254T	110535	284T	187990
15.00	20.00	256T	111335	256T	122925	286T	192190
18.50	25.00	284TS	169840	284T	187165	324T	257875
22	30	286TS	171880	286T	195560	326T	270590
30	40	324TS	258055	324T	285815	364T	413495
37	50	326TS	272125	326T	319305	365T	463780
45	60	364TS	383635	364T	402050	404T	512555
55	75	365TS	428305	365T	441195	405T	546050
75	100	405TS	549215	405T	550130	-	-

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 Impact for American Market
MEPS 2 - Australia & Newzeland

TOTALLY ENCLOSED FAN COOLED 3 PH SLIP RING INDUCTION MOTORS

Enclosure confirming 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
2.20	3.00	-	-	DW132S	98355	-	-
3.00	4.00	DW132S	95255	DW132S	103470	NDW160M	141755
3.70	5.00	DW132S	97410	DW132M	108675	NDW160M	146810
5.50	7.50	DW132M	99450	NDW160M	132560	NDW160L	164545
7.50	10.00	NDW160M	131675	NDW160L	165375	NDW180L	223730
11.00	15.00	NDW160L	164755	NDW180L	214715	NDW200L	293145
15.00	20.00	NDW180L	218055	NDW200L	280255	NDW225M	376925
18.50	25.00	NDW200L	250840	NDW225M	361375	NDW225M	435870
22.00	30.00	NDW200L	278690	NDW225M	431850	NDW250M	568905
30.00	40.00	NDW225M	344260	NDW250M	571060	NDW280S	656350
37	50	NDW250M	472025	NDW280S	646565	NDW280M	752840
45	60	NDW250M	564205	NDW280M	702525	NDW315S	925340
55	75	NDW280S	621820	NDW315S	783410	NDW315M	1070965
75	100	NDW280M	690435	NDW315M	989550	NDW315LX	1179015
90	120	NDW315S	860775	NDW315LX	1097245	NDW315LX	1394465
110	150	NDW315M	994575	NDW315LX	1302320	NDW355LX	1485220
125	170	NDW315LX	1093990	NDW315LX	1414215	NDW355LX	1652075
132.00	180.00	NDW315LX	1153145	-	-	-	-
150	200	NDW315LX	1308350	NDW355LX	1516085	NDW355LX	1818360
160	215	NDW315LX	1336555	NDW355LX	1617130	NDW355LX	1842365
180	240	NDW355L	1414035	NDW355LX	1718175	NDW400LX	2991640
200	270	NDW355L	1571130	NDW355LX*	1861375	NDW400LX	3323775
225	300	NDW355LX	1655590	NDW400LX	3651505	NDW400LX *	3739245
250	335	NDW355LX	1676110	NDW400LX	4057190	NDW450LX*	5593225
275	370	NDW355LX	1777535	NDW400LX	4462935	NDW450LX*	6152550
300	402	NDW400LX	3381925	NDW400LX	4868560	NDW450LX*	6767805
315	436	NDW400LX	3551020	NDW400LX	5274305	NDW450LX*	7444610
350	470	NDW400LX	3945560	NDW450LX*	5638990	NDW450LX*	8040175
370	500	NDW400LX *	On Request	NDW450LX*	6202895	NDW450LX*	8683365
450	600	-	-	NDW450LX*	6823205	NDW450LX*	9378055
*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 confirming 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	123220
5.5	7.5	-	-	CW160M	120735	CW160L	131230
7.5	10	CW160M	121445	CW160L	140870	CW180M	181045
11	15	CW160L	135280	CW180M	180985	CW180L	211995
15	20	CW180M	179770	CW180L	199430	CW200M	262280
18.5	25	CW180M	184590	CW200M	270440	CW200L	275790
22	30	CW180L	198425	CW200L	282295	CW225M	363000
30	40	CW200M	253265	CW225M	359010	CW225M	402940
37	50	CW200L	275350	CW225M	385350	CW250S	508150
45	60	CW225M	336160	CW250S	500760	CW250M	583300
55	75	CW250S	453165	CW250M	558260	CW280S	707815
75	100	CW250S	475840	CW280S	679410	CW280M	773090
90	120	CW250MX	580050	CW280M	811850	CW315S*	984995
110	150	CW280M	648425	CW315S*	948575	CW315MX*	1065880
125	170	CW280MX*	805640	CW315MX*	1064045	CW355L	1121900
132	180	CW280MX*	845935	CW315MX*	1091955	CW355L	1184690
150	200	CW315S*	989105	CW315MX*	1192995	CW355L	1470945
160	215	CW315M*	915170	CW315MX*	1210145	CW355L	1657160
180	240	CW315MX*	1151255	CW355L	On Request	CW355L	1753945
200	270	CW315MX*	1328720	CW355L	On Request	CW355L	1897825
225	300	CW315MX*	1329810	CW355L	On Request	CW400LX	2914390
250	335	CW355L	On Request	CW355L	On Request	CW400LX	3057830
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	-	-	-	-

SPDP Slipring Motors

OUTPUT Rating		10 Pole / 600 RPM	
KW	HP	Frame	List Price
110	150	CW315MX*	1476265
125	170	CW355L	1905040
150	200	CW355L	2171665
160	215	CW355L	2267445
180	240	CW355L	2364295
200	270	CW400LX	2737725
225	300	CW400LX	3024895

* 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 $\pm$ 10%

FREQUENCY : 50Hz $\pm$ 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

4 Pole / 1500 RPM			
KW	HP	Frame	List Price
0.25	0.34	GD63	10645
0.55	0.75	GD71	11260
0.75	1	ND80	12525
1.1	1.5	ND80	13160
1.5	2	ND90S	13790
2.2	3	ND90L	15090
3.7	5	ND100L	20330
5.5	7.5	ND112M	25475
7.5	10	ND132S	35065
9.3	12.5	ND132M	40975
11	15	ND160M	63810
15	20	ND160M	69440
18.5	25	ND160L	81205
22.5	30	ND180M	113630
27	36	ND180L	122250
37	50	ND200L	163055
40	53.33	ND225S	211705
8 Pole / 750 RPM			
KW	HP	Frame	List Price
0.55	0.75	ND90S	14605
0.75	1	ND90L	16465
1.1	1.5	ND100L	19810
1.5	2	ND112M	19810
2.2	3	ND132S	27815
3.7	5	ND160M	36885
5.5	7.5	ND160M	70835
7.5	10	ND160M	76465
9.3	12.5	ND160L	92200
10	13.4	ND180M	117400
12	16	ND180L	130705

6 Pole / 1000 RPM			
KW	HP	Frame	List Price
0.17	0.23	GD63	10410
0.37	0.5	GD71	12360
0.55	0.75	ND80	13270
0.75	1	ND80	13270
1.1	1.5	ND90S	14215
1.5	2	ND90L	16465
2.2	3	ND100L	21465
3.7	5	ND112M	25570
5.5	7.5	ND132S	37570
7.5	10	ND132M	41830
9.3	12.5	ND160M	67510
11	15	ND160L	83710
15	20	ND160L	89340
18.5	25	ND180L	121495

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 $\pm$ 10%

FREQUENCY: 50Hz $\pm$ 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	69740
2.6	3.50	DW132S	91825
4.5	6.03	DW132M	109680
6.7	9.00	NDW160M	124460
9.0	12.07	NDW160L	153965
13.2	17.50	NDW180L	231655
17.6	23.60	NDW200L	304555
24.6	33.00	NDW225S	376660
30.5	41.00	NDW225M	464815
36.0	48.28	NDW250S	580995
42.0	56	NDW250M	701195
53.5	72	NDW280S	771320
66.5	89	NDW280M	901510
93.0	126	NDW315S	1077765
116.0	156	NDW315M	1222000

OUTPUT Rating		8 Pole / 750 RPM	
KW	HP	Frame	List Price
1.7	2.3	DW132S	98595
2.5	3.4	DW132M	132470
4.8	6.4	NDW160M	143530
6.7	9.00	NDW160L	178735
9.30	11.00	NDW180L	239900
13.5	18.0	NDW200L	312535
20.2	27.2	NDW225S	406310
26.0	35.0	NDW225M	464815
31.5	42.2	NDW250S	565945
37	50	NDW250MX	704770
48.0	64.0	NDW280S	787340
59.0	79.0	NDW280M	857435
72.0	96.0	NDW315S	1149895
86.0	115.3	NDW315M	1248070

OUTPUT Rating		10 Pole / 600 RPM	
KW	HP	Frame	List Price
15	20	NDW225S	381270
18.5	25	NDW225M	446780
22.00	30.00	NDW250M	571060
38.00	51.00	NDW280S	851430
46.50	62.00	NDW280M	931545
60.00	80.00	NDW315S	1185960
66.00	88.00	NDW315M	1242635

Terminal position in on TOP as a standard for this series

On Request terminal box 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 confirming 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	15150	R112M	19690
1.10	1.50	R112M	17625	R112M	25930
1.50	2.00	R112M	20225	R132S	27525

CARD APPLICATION (TE) / TB ON TOP

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
0.75	1.00	NR90L	14665
1.10	1.50	R112M	27050
1.50	2.00	R112M	32875

GINNING APPLICATION (TEFC) / TB ON RHS

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
2.20	3.00	ND100L	22265
3.00	4.00	ND112M	26075
3.70	5.00	ND132S	32080
5.50	7.50	ND132S	38315
7.50	10.00	ND132M	45645

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		4 POLE : 1500 RPM	
KW	HP	FRAME	PRICE
3.70	5.00	ND112M	33585
5.50	7.50	ND132S	46000
7.50	10.00	ND132M	53895
9.30	12.50	ND160M	85055
11.00	15.00	ND160M	87715
13.00	17.50	ND160L	106075
15.00	20.00	ND160L	109030
18.50	25.00	ND180M	153490
22.00	30.00	ND180L	163515
30.00	40.00	ND200L	220600
37.00	50.00	ND225S	283625
45.00	60.00	ND225M	343785

OUTPUT		6 POLE : 1000 RPM	
KW	HP	FRAME	PRICE
3.70	5.00	ND132S	48960
5.50	7.50	ND132M	54605

Standard Paint Shade : RAL7034 (Yellow Grey)

TOTALLY ENCLOSED FAN COOLED CRUSHER DUTY MOTORS

MOUNTING : FOOT
VOLTAGE: 415 V $\pm$ 10%
FREQUENCY : 50Hz $\pm$ 5%
AMBIENT : 50°C

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

OUTPUT Rating		Crusher Duty			
		4 Pole / 1500 RPM		6 Pole / 1000 RPM	
KW	HP	Frame	List Price	Frame	List Price
45	60	ND225M	284245	-	-
55	75	ND250M	390640	ND280M	538780
75	100	ND280S	475425	ND315S	658005
90	120	ND280M	553765	ND315M	823375
110	150	ND315S	686325	ND315M	918125
125	175	ND315M	781870	ND315L	1000725
132	180	ND315M	804190	ND315LX	1071790
160	215	ND315LX	943550	ND315LX	1115985
180	240	ND315LX	1003590	ND355LX	1230835
200	270	ND315LX	1145400	ND355LX	1323485
225	300	ND355LX	1358310	ND355LX	1363220
250	335	ND355LX	1397745	ND355LX	1457550

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)



TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE DC BRAKE MOTORS

MOUNTING : FOOT

VOLTAGE : 415 VOLTS $\pm$ 10%

FREQUENCY : 50Hz $\pm$ 5%

COMBINED : 10% (ABSOLUTE SUM)

AMBIENT : 50°C

PROTECTION : IP55

EFFICIENCY : IE2

DUTY : S4

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	29150
0.55	0.75	NG80	8	28470	NG80	8	29475
0.75	1.0	NG80	8	28560	NG90S	10	38020
1.1	1.5	NG90S	10	37135	NG90L	10	39440
1.5	2.0	NG90L	10	38375	NG100L	12	46680
2.2	3.0	NG100L	12	46060	NG112M	14	52060
3.0	4.0	NG100L	12	47065	NG132S	16	72755
3.7	5.0	NG112M	14	53040	NG132S	16	74410
5.5	7.5	NG132S	16	72045	NG132M	16	78725
7.5	10.0	NG132M	16	77870	ND160M	18	126620
9.3	12.5	NG132M	16	93270	ND160L	20	157155
9.3	12.5	ND160M	18	93270	-	-	157155
11	15	ND160M	20	124580	ND160L	20	161355
15.0	20	ND160L	20	158695	ND180L	25	240170
18.5	25	ND180M	25	234225	ND200L	25	290690
22	30	ND180L	25	246760	ND200L	25	303375
30	40	ND200L	25	306685	ND225M	25	On Request
37	50	ND225S	25	On Request	-	-	On Request
45	60	ND225M	25	On Request	-	-	On Request

ALP for Separate Brakes for Brake Motors - refer special feature

Standard Paint Shade : RAL7034 (Yellow Grey)



TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE DC BRAKE MOTORS

AMBIENT : 50°C	PROTECTION : IP55
MOUNTING : FOOT	EFFICIENCY : IE2
VOLTAGE : 415 VOLTS ± 10%	RATING : S4
FREQUENCY : 50Hz ± 5%	INSULATION : CLASS F, TEMP RISE-CLASS B
COMBINED : 10% (ABSOLUTE SUM)	BRAKE TYPE : DC
APPLICABLE STANDARDS : IS/IEC 60034-30-1, IS 12615 : 2018; IS1231, IS2223	

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	24805	GD80	8	28205
0.55	0.75	GD80	8	27555	GD80	8	28530
0.75	1.0	GD80	8	27645	GD90S	10	36780
1.1	1.5	GD90S	10	35890	GD90L	10	38170
1.5	2.0	GD90L	10	37135	GD100L	12	45175
2.2	3.0	GD100L	12	49520	GD112M	14	50375
3.7	5.0	GD112M	14	51325	GD132S	16	71985
5.5	7.5	GD132S	16	77455	GD132M	16	84640
7.5	10.0	GD132M	16	83695	-	-	-

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 $\pm$ 10%	RATING	: S1
FREQUENCY	: 50Hz $\pm$ 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	ALP
5.50KNE2-FF	ND112M	25850
9.30KNE2-FF	ND132M	61225
11KNE2-FF	ND132M	68835
15KE2-FF	ND160M	80325
22KE2-FF	ND160L	109835
30KE2-FF	ND180L	161270
37KE2-FF	ND200L	206940
45KE2-FF	ND200L	251970
55KE2-FF	ND225M	301515
60KE2-FF	ND225M	316595
75KE2-FF	ND250MX	376535
90KE2-FF	ND280M	515810

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 $\pm$ 10%	RATING	: S1
FREQUENCY	: 50Hz $\pm$ 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	72225
11	2	PC132M	86590
15	2	ND160L	100900
22	2	ND160L	128925
30	2	ND200L	251520
37	2	ND200L	264735
45	2	ND200L	294385
55	2	ND250MX	422660
75	2	ND250MX	445095
150	2	ND315LX	1101175
11	4	ND160M	113550
15	4	ND160L	124905
18.5	4	ND180L	157895
22	4	ND180L	192900
55	4	ND250MX	491270
75	4	PC250M	551610
90	4	ND280M	649965
132	4	ND315LX	1067800
160	4	ND315LX	1220340
200	4	ND355LX	1576275
Temp.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 $\pm$ 10%
 FREQUENCY : 50Hz $\pm$ 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		2 POLE : 3000 RPM		
KW	HP	FRAME	CATREF	List Price
0.75	1.00	ND80	0.75KNE2TOP_SM3TE	14755
1.10	1.50	ND80	1.1KNE2TOP_SM3TE	16055
1.5	2.00	ND90S	1.5KNE2TOP_SM3TE	18450
2.2	3.00	ND90L	2.2KNE2TOP_SM3TE	23625
3.7	5.00	ND100L	3.7KNE2TOP_SM3TE	29360
5.5	7.50	ND132S	5.5KNE2TOP_SM3TE	47835
7.5	10.00	ND132S	7.5KNE2TOP_SM3TE	54310
18.5	25	ND160L	18.5KE2TOP_SM3TE	133390
22	30	ND180M	22KE2TOP_SM3TE	149855
30	40	ND200L	30KE2TOP_SM3TE	220005
37	50	ND200L	37KE2TOP_SM3TE	267100

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	CATREF	List Price
0.75	1.00	ND90S	0.75KNE6TOP_SM3TE	18510
1.10	1.50	ND90L	1.1KNE6TOP_SM3TE	20310
1.50	2.00	ND100L	1.5KNE6TOP_SM3TE	29270
2.20	3.00	ND112M	2.2KNE6TOP_SM3TE	31190
3.70	5.00	ND132S	3.7KNE6TOP_SM3TE	48545
5.50	7.50	ND132M	5.5KNE6TOP_SM3TE	59720
7.50	10.00	ND160M	7.5KE6TOP_SM3TE	91145
11	15	ND160L	11KE6TOP_SM3TE	112165
15	20	ND180L	15KE6TOP_SM3TE	146515
18.5	25	ND200L	18.5KE6TOP_SM3TE	209185
22	30	ND200L	22KE6TOP_SM3TE	225240

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	CATREF	List Price
0.55	0.75	ND80	0.55KNE4TOP_SM3TE	15110
0.75	1.00	ND80	0.75KNE4TOP_SM3TE	15315
1.10	1.50	ND90S	1.10KNE4TOP_SM3TE	18950
1.50	2.00	ND90L	1.50KNE4TOP_SM3TE	22975
2.20	3.00	ND100L	2.20KNE4TOP_SM3TE	27375
3.70	5.00	ND112M	3.70KNE4TOP_SM3TE	34680
5.50	7.50	ND132S	5.50KNE4TOP_SM3TE	48190
7.50	10.00	ND132M	7.50KNE4TOP_SM3TE	56940
11	15	ND160M	11KE4TOP_SM3TE	92860
15	20	ND160L	15KE4TOP_SM3TE	114615
18.5	25	ND180M	18.5KE4TOP_SM3TE	146660
22	30	ND180L	22KE4TOP_SM3TE	160645
30	40	ND200L	30KE4TOP_SM3TE	221635

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	68145
7.5	G1R160C1F	70775
10.0	G1R160C1E	75920
12.5	G1R160C2A	80945
15.0	G1R160C2B	87890
20.0	G1R160C3B	102850
25.0	G1R160C4C	117160
30.0	G1R160C5A	133095
35.0	G1R200SE	143885
40.0	G1R200SE	155765
45	G1R200SA	170225
50	G1R200SB	176700
62.5	G1R200SC	207825
63	G1R200SC	207825
75	G1R200MB	228285
82.5	G1R200MD	233075
90	G1R200MDX	274905
100	G1R250SB	275850
110	G1R250SD	291460
125	G1R250SD	304140
140	G1R250MA	334145
160	G1R250MB	363120
180	G1R250LB	381950
200	G1R250LD	406900
225	G1R315SE	455385
250	G1R315SE	490385
275	G1R315SA	522550
300	G1R315SB	558850
320	G1R315SB	589300
380	G1R315MB	677310
400	G1R355SB	736905
415	G1R355SB	738680
437.5	G1R355SE	744920
450	G1R355SE	783940
500	G1R355SE	854240
550	G1R355ME	910320
600	G1R355MA	989400
625	G1R355MA	1004860
650	G1R355MB	1122020
680	G1R400SB	1486995

1 PHASE - 240V		
KVA	FRAME	List Price
5	G1R160C1F	69120
7.5	G1R160C1E	79320
10	G1R160C2A	88600
12.5	G1R160C3B	103325
15	G1R160C4C	116950
17.5	G1R160C5C	127120
20	G1R160C5A	133715
25	G1R200SF	157750
30	G1R200SA	173595
35	G1R200SC	196975
40	G1R200SD	214300
45	G1R200MB	243270
50	G1R200MD	272275
63	G1R250SD	328470
82.5	G1R250LB	397055

3 PHASE - 415V		
KVA	FRAME	List Price
750	G1R400SC	1506360
1010	G1R400MA	1797285
1250	G1R400MB	2086230
1400	G1R450SB	2644990
1500	G1R450SC	2674550
1750	G1R450MA	3484655
1900	G1R450MB	3539935
2000	G1R450LA	3621170
2250	G1R450LB	3886495

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	69740
7.5	G1R132MA/2	70745
10	G1R132MC/2	74175
12.5	G1R160S1A/2	79110
15	G1R160S1A/2	87890
20	G1R160SB/2	102850
25	G1R160SC/2	117160
30	G1R160MA/2	133095

1 PHASE - 240V		
KVA	FRAME	List Price
5	G1R132MR/2	69090
6	G1R132MA/2	73435
7.5	G1R132MC/2	79320
10	G1R160S1A/2	87775
12.5	G1R160SB/2	103355
15	G1R160SC/2	116950

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 $\pm 2.5\%$, 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	103175
15.0	G2R160SB	113850
20	G2R160MC	185035
25.0	G2R160M2A	206350
30	G2R200SE	227695
35	G2R200SE	236620
40	G2R200SB	245520
50	G2R200SC	263375
63	G2R200MB	264795
75	G2R250SB	313100
100	G2R250SD	361465
110	G2R250MA	380115
125	G2R250MB	402705
145	G2R250LB	437230
160	G2R250LD	471730
180	G2R315SE	517525
200	G2R315SE	563345

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	44050
6.5	G2S132MR	44405
7.5	G2S132MA	56200
10	G2S132MC	62825
12.5	G2S132MD	69240
15	G2S160S1B	74350
20	G2S160SC	101045
25	G2S160MC	110450
30	G2S160M2R	124045
32.5	G2S160M2R	127300
35	G2S200SE	134455
40	G2S200SE	143350
45	G2S200SB	159640
50	G2S200SB	164280
63	G2S200SD	194170
75	G2S200MD	216960
82.5	G2S200MD	224945

1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	50730
6	G2S132MC	57795
7.5	G2S160S1E	62880
10	G2S160S1B	71515
12.5	G2S160SC	87535
15	G2S160MC	103205
20	G2S200SE	139950

UPF ALTERNATORS		
1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	52770
6	G2S132MC	59010
7.5	G2S132MD	62880
10	G2S160S1E	71515
15.0	G2S160S1B	98535

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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	2400/-	6000/-	STD	STD	STD	STD	STD	STD
Spaceheater	Not Offered	3000/-	4000/-		6000/-	7200/-		STD	STD
RTD (2 per phase)	Not Offered			10000/-	20000/-			STD	STD
Thermister	Not Offered		13500/-			16500/-			
BTD Rs. Each	Not Offered				10000/-			STD	STD
Digital AVR	Not Offered				190000/-				
Digital AVR + 1 Auto on plate	Not Offered				290000/-				
External PMG	Not Offered				40000/-				
Supply side CT's	Not Offered		5000/-		10000/-		20000/-		
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	5000/-		6000/-		STD	STD	STD	STD	STD
RFI Kit	4400/-								
AVR filter	5000/-								
AVR droop CT	Not Offered	3500/-				STD	STD	STD	STD
AVR with Analouge input	Not Offered		4000/-	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 needs to give rating of the CT's Upto 250 Frame alternators are with AL shell construction									

2) Inspection Charges					
Type Test	6000/-	9600/-	12000/-	15000/-	20000/-
Routine Test	2400/-	4800/-		6000/-	8000/-
* 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.					
Notes :	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 Drp Proof with enclosure confirming 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	55580
3.7	100M	58715
5.5	100L	67435
On enquiry	112S	88130
7.5	112M	91085
On enquiry	112L	100810
11.0	132S	102645
15.0	132M	121210
22.5	132L	133595
30.0	160A	210280
40.0	160S	233190
50.0	160M	263640
56.0	160M	277210
60.0	160L	302370
On enquiry	180A	315580
75.0	180S	364685
100.0	180M	386740
On enquiry	200A	418195
115.0	200S	457750
On enquiry	200SX	525150
150.0	200M	572835
On enquiry	225A	606270
180.0	225S	678670
On enquiry	225SX	750005
225.0	225M	776430
On enquiry	250A	876710
295.0	250S	958920

SOLID YOKE DC MOTORS	
Frame Size	List Price
AES160U	199340
AES160A	215870
AES160S	258645
AES160M	313010
AFS180U	230680
AFS180A	255365
AFS180S	296545
AFS180M	350880
AFS180SPL-S	355135
AFS180SPL-M	380530
AFS180SPL-L	389575
AFS180SPL-X	439655
AFS225S	472765
AFS225M	576560
AFS225L	634205
AFS225LX	733565
AFS225X	728095
AFS250S	806055
AFS250M	850605
AFS250L	860450
AFS280A	889570
AFS280S	935685
AFS280M	1074010
AFS315SX	1363780
AFS315S	1471625
AFS315M	1545945
AFS315L	1629815

LAMINATED YOKED DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	250SX	986295
325.0	250M	1010330
On enquiry	250MX	1015620
On enquiry	250L	1043765
400.0	280S	On Request
450.0	280M	On Request
On enquiry	280MX	1282600
On enquiry	280L	1343205
On enquiry	280LX	1399075
On enquiry	280LY	1469465

LAMINATED YOKED DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	315S	1497815
On enquiry	315M	1534265
On enquiry	315L	1688700
On enquiry	315LX	1806535
On enquiry	315LL	1957630
On enquiry	355S	2146980
On enquiry	355M	2175745
On enquiry	355L	2292780
On enquiry	355LX	2418390
On enquiry	400S	2483225
On enquiry	400M	2540310
On enquiry	400L	2759515

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Mill Duty DC Motors (Non Split Type)		
Frame Size	List Price	LP(Forced Cooled)
ABS802	422420	496740
ABS803	523760	603165
ABS804	658920	762835
ABS806	963030	1064370
ABS808	1131950	1277250
ABS810	1300930	1454655
ABS812	2189550	2412540
ABS814	2595000	2856065
ABS816	3013990	3281795

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CASH EXTRAS FOR SPECIAL FEATURES

1. Additional Prices for Accessories :

Frame	100-132	160	180	200	225	250	280	315	355	400
Shaft Extn	5% of List Price									
DE Flange	7.5% of List Price			5% of List Price					Not Offered	
RTD	Rs.7000/-					Rs 10000/-			Rs 12000/-	
BTD	Not offered		Rs 12000/-							
Thermistors	RS.2100/-	Rs. 4200/-								
Space Heater	Rs.2000/-	Rs.4000/-								
Blower Filter	Rs. 6000/-		Rs.10000/-		Rs.14000/-					
Non Std Paint	Rs.5000/-	Rs.6000/-						Rs.13500/-		
Cab Glands/Run	Rs.1500/-		Rs.2500/-			Rs.3200/-				

2. Inspection Charges

Routine Test	RS 4000 /-	Rs.8000/-	
Type Test	RS 8000 /-	Rs.16000/-	
- RTD , BTD , Space Heaters and Thermistors 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 ()

6) General :

- 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 than 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 us CG sales office.

