

Presenting Next generation IE5 motors



Price List

LTM14 Dt.01st Sept'2020



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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 (220/240 & 230/460) / 12 LEADS (220/380/440) (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 nett 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 355 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%
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 6000/- Rs 14500/- Rs 22000/- Rs 27000/- Rs 30000/- Rs 37000/- Rs 50000/-
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. 7000/-
2.6	FLYING LEADS (1 meter & 6 leads), W/O T. Box Frames ND 80 to ND 355 For extra TB(Loose)	5% 3%
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 anf 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.
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2) MECHANICAL FEATURES :			SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS		
Sr.NO	Description		Cash Extras in % of ALP or absolute		
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		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
	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 240 sq 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			
	Refer DPA for 2 size & 3 size higher cable size				
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/-		
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 .		Rs. 1000/- per motor and 4 weeks extra delivery		
	C4 clearance bearing in frame 160-225 (2 Pole Only) *For FLP Motors regreasable bearing can be provided from E160 frame and onwards. Angular contact for 160-450 frame. Please refer to division		Rs. 3300/- per motor and 10 weeks extra delivery		
1) All % (percentage) figures are to be loaded on list price 2) All Rs. Figures to be added on nett price 3) Inspection charges are subject to GST 4) For any Non-std features / Accessories not explicitly covered in this price list, please refer 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			
2.13	INSULATED BEARINGS AT NON DRIVING END (NDE) Can be provided for 160-225 frame at 20000/-					
	NDE BEARING Selection					
	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		
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. 1780/- Rs. 3300/- Rs. 4600/- Rs. 5750/- Rs. 8640/-			
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%			
2.16	Tacho (encoder) mounting arrangement for frame 160- above TEFC SCR Motors For other frames refer to division		5% OR Rs 7500 whichever is lower			
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2) MECHANICAL FEATURES :						SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS		
Sr.NO	Description					Cash Extras in % of ALP or absolute value in INR whichever is Lower		
	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					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	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
2.17	Crane Duty Brake Motor Please add Brake kit Price to S4 duty IE2 Prices after discount.							
	Non-Flameproof Motors							
	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			
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 Lacs . Not Applicable for IIC) C3-M/C4-M/C5-M painting for non standard paint shade(Applicable for min order val of 50 Lacs. 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 Mircons) Consult div for lower than 200 Microns					No Extra 2% 5%		
1) All % (percentage) figures are to be loaded on list price 2) All Rs. Figures to be added on nett price 3) Inspection charges are subject to GST 4) For any Non-std features / Accessories not explicitly covered in this price list, please refer 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	
2.20	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.			No Charges - A 20% - B	
	Vibration Grade	56≤H≤132	132≤H≤280		H>280
	A	1.6	2.2		2.8
	B	0.7	1.1		1.8
For any other value please refer to division					
2.21	STAINLESS STEEL HARDWARE - Upto Frame 225 Frame 250 and above *Not available for aluminum motors (GD frame) & FLP Motors Brass Studs Frame 63 to 225 250 to 355 400 & Above			Rs. 1350/- Rs. 2200/-	
				Rs 5000/- Rs 10000/- refer Division	
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. 1420/- Rs. 1780/- Rs. 3280/- Rs. 5750/- Rs. 7600/- 7.50% sub to max of Rs. 15000/-	
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 90 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 are to be added on nett price. 3) Inspection charges are subject to GST 4) For any Non-std features / Accessories not explicitly covered in this price list, please refer to nearest branch office.					

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	IIC(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) Smart motor kit with PT100(280 to ND355 Frame) (Price only for kit,Monthly subscription charges extra)			Rs 25000 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 to 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 Rs. Figures to be added on nett price				
3) Inspection charges are subject to GST				
4) For any Non-std features / Accessories not explicitly covered in this price list, please refer to nearest branch office.				

SPECIAL FEATURES OFFERED FOR THREE PHASE AC MOTORS WITH CASH EXTRAS		
5) ACCESSORIES		
SN	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. 2000/- Rs. 4000/- Nil Rs. 8200 / - Rs. 9000/- Rs. 12000/- Rs. 2500/- Rs. 1500/-
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. 2100/- Rs. 4200/- Rs. 4500/- Rs. 5400/-
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 fr. & above only). Applicable for Type e & Type n also.	Rs. 7000/- Rs. 12000/- Rs.12000/- 6% Rs.24000/-
5.3 A	Vibration Probe Mounting Arrangement, 18X25mm (Probe not in CG Scope) Spm Holes	Rs 5000/-
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 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 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%

6) SPECIAL MOTORS		
SN	DESCRIPTION OF EXTRA FEATURE	Cash Extras in % of ALP or absolute value in INR
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 7.50% 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
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7) TESTING CHARGES		
INSPECTION/TEST WITNESSING BY CUSTOMER/ CONSULTANT		
Inspection arrangements and third party inspection charges are in customers scope. In addition following would be inspection charges for witnessing tests:		
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 confiramtion from Division reqd)	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 nett price 3) Inspection charges are subject to GST 4) For any Non-std features / Accessories not explicitly covered in this price list, please refer to nearest branch office.		

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUSTION 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	15350
0.55	0.75	PC80	13650	PC80	14500	PC80	15800
0.75	1.00	PC80	14100	PC80	14675	PC90S	17775
1.10	1.50	PC80	15375	PC90S	18125	PC90L	19500
1.50	2.00	PC90S	17650	PC90L	22025	PC100L	29900
2.20	3.00	PC90L	22650	PC100L	26225	PC112M	31575
3.70	5.00	PC100L	29000	PC112M	33250	PC132S	46525
5.50	7.50	PC132S	45825	PC132S	46125	PC132M	57175
7.50	10.00	PC132S	47450	PC132M	54525	PC160M	85250
9.30	12.50	PC160M	79950	PC160M	85025	PC160L	92900
11	15	PC160M	82875	PC160M	87975	PC160L	104925
15	20	PC160M	97075	PC160L	107250	PC180L	137050
18.5	25	PC160L	124750	PC180M	137225	PC200L	195725
22	30	PC180M	138425	PC180L	150300	PC200L	215275
30	40	PC200L	205800	PC200L	207350	PC225M	301125
37	50	PC200L	249900	PC225S	242450	PC250M	404950
45	60	PC225M	321600	PC225M	293900	PC280S	485025
55	75	PC250M	432900	PC250M	403875	PC280M	557000
75	100	PC280S	519850	PC280S	472600	PC315S	639225
90	120	PC280M	599650	PC280M	550475	PC315M	799875
110	150	PC315S	757450	PC315S	666750	PC315M	891925
132	180	PC315M	930925	PC315M	781275	PC315L	1041225
160	215	PC315L	1019750	PC315L	988150	PC315L	1084150
180	240	PC315L	1073500	PC315L	1068125	PC355L	1324450
200	270	PC315L	1190550	PC315L	1112750	PC355L	1390650
225	300	PC355L	1259850	PC355L	1373700	PC355L	1449925
250	335	PC355L	1333550	PC355L	1401175	PC355L	1522425
275	370	PC355L	1411800	PC355L	1484325	PC355L	1721025
315	425	PC355L	1445750	PC355L	1593225	PC355L	2130525

Standard Paint Shade : RAL1036 (Pearl Gold)
 For other ratings please contact nearest CG Office
 8 Pole motors are available on request
 Temperatue 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 INDUSTION 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	11800	ND90S	14400
0.55	0.75	NG80	10500	NG80	10875	NG80	12125	ND90L	15750
0.75	1.00	NG80	10850	NG80	11025	NG90S	13675	ND100L	19350
1.10	1.50	NG80	11825	NG90S	13600	NG90L	14975	ND100L	23550
1.50	2.00	NG90S	13550	NG90L	16550	NG100L	23000	ND112M	27300
2.20	3.00	NG90L	17400	NG100L	19700	NG112M	24275	ND132S	36125
3.70	5.00	NG100L	22325	NG112M	24975	NG132S	35775	ND160M	56250
5.50	7.50	NG132S	35250	NG132S	34650	NG132M	43975	-	-
7.50	10.00	NG132S	36475	NG132M	40950	ND160M	65575	ND160L	89100
9.30	12.50	ND160M	61475	ND160M	63875	ND160L	71450	ND180M	115875
11.00	15.00	ND160M	63725	ND160M	66075	ND160L	80725	ND180L	122200
15	20	ND160M	74675	ND160L	80575	ND180L	105425	ND200L	172025
19	25	ND160L	95950	ND180M	103100	ND200L	150550	ND225S	220750
22.0	30	ND180M	106475	ND180L	112925	ND200L	165600	ND225M	265375
30	40	ND200L	158300	ND200L	155775	ND225M	231625	ND250M	358325
37	50	ND200L	192225	ND225S	182150	ND250M	311500	ND280S	467300
45	60	ND225M	247375	ND225M	220800	ND280S	373100	ND280M	539925
55	75	ND250MX	333000	ND250MX	303425	ND280M	428450	ND315S	654275
75	100	ND280S	415875	ND280S	369300	ND315S	511400	ND315M	812400
90	120	ND280M	479725	ND280M	430150	ND315M	639900	ND315L	920975
110	150	ND315S	605975	ND315S	521000	ND315M	713550	ND315LX	975000
125	170	ND315M	711000	ND315M	593500	ND315LX	777725	ND315LX	1071200
132	180	ND315M	744750	ND315M	610475	ND315LX	832975	ND315LX	1129600
160	215	ND315LX	815800	ND315LX	772125	ND315LX	867325	ND355LX	1312425
180	240	ND315LX	858800	ND315LX	834625	ND355LX	1059550	ND355LX	1346525
200	270	ND315LX	952425	ND315LX	869500	ND355LX	1112525	ND355LX	1442475
225	300	ND355LX*	1007875	ND355LX	1073400	ND355LX	1159925	ND355LX	2049475
250	335	ND355LX*	1066850	ND355LX	1094875	ND355LX	1217925	-	-
275	370	ND355LX*	1129425	ND355LX	1159850	ND355LX	1376825	-	-
315	425	ND355LX*	1156600	ND355LX*	1244950	ND355LX*	1704425	-	-
355	473	-	-	ND355LX*	1512450	-	-	-	-
375	500	-	-	ND355LX*	1728250	-	-	-	-

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 temperaturerise 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.

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUSTION 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 (Aluminum 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	7675	GD71	7900	GD80	11250
0.55	0.75	GD71	10000	GD80	10350	GD80	11525
0.75	1.00	GD80	10325	GD80	10500	GD90S	13000
1.10	1.50	GD80	11275	GD90S	12950	GD90L	14250
1.50	2.00	GD90S	12900	GD90L	15750	GD100L	21900
2.20	3.00	GD90L	16575	GD100L	18750	GD112M	23125
3.00	4.00	GD100L	19575	GD112M	21525	GD132S	34050
3.70	5.00	GD100L	21250	GD112M	23775	GD132S	34050
4.00	5.50	GD112M	26290	GD112M	27370	GD132S	36545
5.50	7.50	GD132S	33575	GD132S	33000	GD132M	41875
7.50	10.00	GD132S	34725	GD132M	39000	-	-
9.3*	12.50	GD132M	52440	GD132M	54165	-	-

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 INDUSTION 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	10275	ND90S	12500
0.55	0.75	-	-	ND80	9450	ND80	10550	ND90L	13675
0.75	1.00	ND80	9450	ND80	9600	ND90S	11875	ND100L	16825
1.10	1.50	ND80	10275	ND90S	11850	ND90L	13025	ND100L	20475
1.50	2.00	ND90S	11800	ND90L	14375	ND100L	18750	ND112M	23725
2.20	3.00	ND90L	15150	ND100L	17125	ND112M	19975	ND132S	31400
3.70	5.00	ND100L	18800	ND112M	21700	ND132S	31100	ND160M	48900
4.00	5.30	ND112M	25400	-	-	-	-	-	-
5.50	7.50	ND132S	32025	ND132S	30150	ND132M	38250	ND160M	61100
7.50	10.00	ND132S	34800	ND132M	35625	ND160M	58375	ND160L	77475
9.30	12.50	ND132M	50675	NG132M	47100	-	-	ND180M	100750
9.30	12.50	ND160M	58625	ND160M	57575	ND160L	63625	-	-
11	15	ND160M	61875	ND160M	59475	ND160L	71850	ND180L	106250
15	20	ND160M	66500	ND160L	71725	ND180L	93850	ND200L	149575
18.5	25	ND160L	85450	ND180M	91775	ND200L	134000	ND225S	191950
22	30	ND180M	96000	ND180L	100525	ND200L	144300	ND225M	230775
30	40	ND200L	140950	ND200L	138700	ND225M	206225	ND250M	311575
37	50	ND200L	171125	ND225S	162175	ND250M	277300	ND280S	406325
45	60	ND225M	220225	ND225M	196575	ND280S	332150	ND280M	469500
55	75	ND250MX	296475	ND250MX	270125	ND280M	381450	ND315S	568900
75	100	ND280S	370250	ND280S	328775	ND315S	465875	ND315M	706400
90	120	ND280M	427100	ND280M	382950	ND315M	582925	ND315L	800850
110	150	ND315S	552000	ND315S	474600	ND315M	650000	ND315LX	847800
125	170	ND315M	647700	ND315M	540650	ND315LX	708500	ND315LX	931475
132	180	ND315M	678425	ND315M	556125	ND315LX	758800	ND315LX	982250
160	215	ND315LX	743150	ND315LX	652475	ND315LX	790100	ND355LX	1141225
180	240	ND315LX	782350	ND315LX	693975	ND355LX	914975	ND355LX	1170875
200	270	ND315LX	867650	ND315LX	792050	ND355LX	937000	ND355LX	1254325
225	300	ND355LX*	976975	ND355LX	910975	ND355LX	965125	ND355LX	1782150
250	335	ND355LX*	1000625	ND355LX	966575	ND355LX	1031925	-	-
275	370	ND355LX*	1028900	ND355LX	1056600	ND355LX*	1254250	-	-
315	425	ND355LX*	1053625	ND355LX*	1134100	ND355LX*	1552650	-	-
355	473	-	-	ND355LX*	1377800	-	-	-	-
375	500	-	-	ND355LX*	1574375	-	-	-	-

*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
For MEPS-B2 Performance, 10% additional to above prices
Standard Paint Shade : RAL7034 (Yellow Grey)

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 (Aluminum 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	5725	GD63	6125	-	-
0.25	0.33	GD63	5900	GD71	6225	-	-
0.37	0.50	GD71	6700	GD71	6875	GD80	9775
0.55	0.75	GD71	8700	GD80	9000	GD80M	10025
0.75	1.00	GD80	8975	GD80	9125	GD90S	11300
1.10	1.50	GD80	9775	GD90S	11275	GD90L	12400
1.50	2.00	GD90S	11225	GD90L	13675	GD100L	17825
2.20	3.00	GD90L	14400	GD100L	16300	GD112M	19000
3.70	5.00	GD100L	17900	GD112M	20650	GD132S	29625
4.00	5.50	GD112M	22860	GD112M	23800	GD132S	31775
5.50	7.50	GD132S	30500	GD132S	28700	GD132M	36425
7.50	10.00	GD132S	33125	GD132M	33925	GD132M*	58375
9.30	12.50	GD132M*	45600	GD132M*	47100	-	-
11.00	15.00	GD132M*	55690	GD132M*	53530	-	-

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	1791700
315	422	-	-	-	-	-	-	NG355LX	1856825
355	476	NG355LX	1439050	-	-	NG355LX	1652500	NG400LX	1970875
375	503	NG355LX	1514800	-	-	ND400LX	2036000	NG400LX	2068575
400	535	NG355LX	1579950	NG355LX	1628825	NG400LX	2231475	NG400LX	2231475
425	570	NG355LX	1645100	ND400LX	1905725	-	-	-	-
450	600	NG400LX	2003425	NG400LX	2036000	NG400LX	2296625	ND450LX	3241325
500	670	NG400LX	2068575	NG400LX	2101150	NG400LX	2394325	ND450LX	3501925
560	750	NG400LX	2133725	NG400LX	2231475	NG400LX	2459500	ND450LX	On Request
630	850	NG400LX	2361750	NG400LX	2361750	ND450LX	3111000	ND500LX*	On Request
710#	950	-	-	ND450LX	On Request	ND500LX*	3320150	-	-
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	1970875
315	422	-	-	-	-	-	-	NG355LX	2042550
355	476	NG355LX	On Request	-	-	NG355LX	1773800	NG400LX	2167975
375	503	NG355LX	On Request	-	-	ND400LX	2239625	NG400LX	2275450
400	535	NG355LX	On Request	NG355LX	1791725	NG400LX	2454650	NG400LX	2454650
425	570	NG355LX	On Request	ND400LX	2096300	-	-	-	-
450	600	NG400LX	On Request	NG400LX	2239625	NG400LX	2526300	ND450LX	3565475
500	670	NG400LX	2275450	NG400LX	2311300	NG400LX	2633800	ND450LX	3852150
560	750	NG400LX	2347125	NG400LX	2454650	NG400LX	2705475	ND450LX	On Request
630	850	NG400LX	2597950	NG400LX	2597950	ND450LX	3422125	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 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 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	2044350
315	422	-	-	-	-	NG355LX	1858000	NG355LX	2144675
355	476	NG355LX	On Request	NG355LX	1805925	NG355LX	2180500	NG400LX	2467175
375	503	NG355LX	On Request	NG355LX	1901025	ND400LX	2538825	NG400LX	2574675
400	535	NG355LX	On Request	NG355LX	2037175	NG400LX	2753850	NG400LX	2753850
425	570	NG355LX	On Request	ND400LX	2395525	-	-	-	-
450	600	NG400LX	On Request	NG400LX	2538825	NG400LX	2825500	ND450LX	4036675
500	670	NG400LX	2382975	NG400LX	2610525	NG400LX	2933025	ND450LX	4323350
560	750	NG400LX	2454650	NG400LX	2753850	NG400LX	3004675	ND450LX	On Request
630	850	NG400LX	2705475	NG400LX	2897125	ND450LX	3893325	-	-
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, Noise, Temperature and real time data can be recorded along with real time alerts

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAME PROOF 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 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	19850	E80	19525	E80	22650
0.55	0.75	E80	22200	E80	21525	E80	23275
0.75	1.00	E80	22875	E80	22400	E90L	27125
1.10	1.50	E90L	25575	E90L	24800	E90L	27925
1.50	2.00	E90L	26150	E90L	27775	E100L	40425
2.20	3.00	E90L	35750	E100L	35325	E112M	46975
3.70	5.00	E100L	45425	E112M	44750	E132M	62225
5.50	7.50	E132M	64450	E132M	61525	E132M	75400
7.50	10.00	E132M	71150	E132M	70075	E160L	116675
9.30	12.50	E160L	128900	E160L	108325	E160L	136500
11	15	E160L	128900	E160L	108325	E160L	142875
15	20	E160L	144800	E160L	131725	E180L	182775
18.5	25	E160L	164450	E180L	149575	E200L	227300
22	30	E180L	195075	E180L	177775	E200L	246550
30	40	E200L	262625	E200L	238525	E225M	404200
37	50	E200L	340150	E225S	310675	E250M	496400
45	60	E225M	431750	E225M	392850	E280M	576525
55	75	E250M	528650	E250M	481325	E280M	621850
75	100	E280M	649825	E280M	589850	E315M	729175
90	120	E280M	702675	E280M	601275	E315M	855050
110	150	E315M	814125	E315M	717875	E315L	937450
132	180	E315M	965275	E315M	868800	E315L	1136325
160	215	E315L#	1094350	E315L#	912325	E315L#	1431650
180	240	E315L#	1312075	E315L#	1092050	E355LX	1552350
200	270	E315L#	1630225	E315L#	1302025	E355LX	1634075
225	300	E355LX#	2037800	E355LX*	1721125	-	-
250	335	E355LX#	2139675	E355LX*	1773525	-	-

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 availbale in E315L frame

For E80 & E355LX-DGMS certificate is not available

Suitable for 40 degree amd/80 degree Temp rise.

*These are suitable to temperaturerise 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 amb/80 degree Temp rise

Standard paint shade : RAL 5021 (Water Blue)

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAME PROOF 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 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	17725	E80	17425	E80	20225	E90L	24275
0.55	0.75	E80	19825	E80	19250	E80	20800	E90L	26275
0.75	1.00	E80	20425	E80	20000	E90L	24225	E100L	31800
1.10	1.50	E90L	22850	E90L	22850	E90L	24950	E100L	37000
1.50	2.00	E90L	23350	E90L	24800	E100L	36100	E112M	44375
2.20	3.00	E90L	31925	E100L	31525	E112M	41950	E132M	58650
3.70	5.00	E100L	40575	E112M	39950	E132M	55575	E160L	94875
5.50	7.50	E132M	57550	E132M	54950	E132M	67350	E160L	111500
7.50	10.00	E132M	63550	E132M	62575	E160L	106675	E160L	136000
9.30	12.50	E160L	120025	E160L	99025	E160L	125500	E180L	172875
11	15	E160L	120025	E160L	99025	E160L	130650	E180L	182100
15	20	E160L	132400	E160L	120450	E180L	167100	E200L	246150
18.5	25	E160L	150350	E180L	136750	E200L	207825	E225S	305575
22	30	E180L	178375	E180L	162550	E200L	225450	E225M	402175
30	40	E200L	240125	E200L	218100	E225M	369575	E250M	493925
37	50	E200L	311000	E225S	284050	E250M	453875	E280M	633850
45	60	E225M	394775	E225M	359200	E280M	527125	E280M	647300
55	75	E250M	483375	E250M	440075	E280M	568575	E315M	788700
75	100	E280M	594150	E280M	539325	E315M	666700	E315M	923750
90	120	E280M	642475	E280M	549775	E315M	781800	E315L	1011100
110	150	E315M	744375	E315M	656375	E315L	857125	E315L	1182500
125	170	E315M	869150	E315M	762600	E315L	1018725	E355LX	1209375
132	180	E315M	882575	E315M	794375	E315L	1038975	E355LX	1228975
150	200	E315L	958450	E315L	822375	E315L	1136025	E355LX	1290000
160	215	E315L#	1000600	E315L#	834175	E315L#	1309025	E355LX	1418025
180	240	E315L#	1199650	E315L#	998500	E355LX	1419375	E355LX	1478125
200	270	E315L#	1490575	E315L#	1190500	E355LX	1494075	E355LX	1610875
225	300	E355LX#	1863225	E355LX#	1680625	E355LX	1720000	E355LX	1773750
250	335	E355LX#	1956375	E355LX#	1731775	E355LX	1843650	E400LX	2742875
275	370	E355LX#	2054175	E355LX#	1771700	E355LX	1854375	-	-
315	425	E355LX#	2156925	E355LX#	1945525	-	-	-	-
325	435	E355LX#	2212075	E355LX#	1980700	-	-	-	-
355	476	E400LX*	3047625	E400LX*	2742875	-	-	-	-
375	503	E400LX*	3278750	E400LX*	2950875	-	-	-	-
400	535	E400LX*	3606625	E400LX*	3245975	-	-	-	-

Features of Flameproof Motors (IE2) :

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 customer required with rise B please refer to nearest branch.

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 3 PH INDUSTION 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	13450
0.55	0.75	-	-	-	-	-	-	ND90L	14725
0.75	1.00	ND80	10425	ND80	10825	ND90S	13075	ND100L	18100
1.10	1.50	ND80	11325	ND90S	13375	ND90L	14325	ND100L	22025
1.50	2.00	ND90S	13000	ND90L	16200	ND100L	20625	ND112M	25525
2.20	3.00	ND90L	16675	ND100L	19300	ND112M	22000	ND132S	33775
3.70	5.00	ND100L	20675	ND112M	24450	ND132S	34225	ND160M	52575
4.00	5.50	ND112M	27950	-	-	-	-	-	-
5.50	7.50	ND132S	35250	ND132S	33950	ND132M	42100	ND160M	65700
7.50	10.00	ND132S	38275	ND132M	36475	ND160M	64250	ND160L	83300
9.30	12.50	ND132M	55750	NG132M	53075	-	-	-	-
9.30	12.50	ND160M	64500	ND160M	64850	ND160L	70000	ND180M	108325
11	15	ND160M	68075	ND160M	65450	ND160L	79050	ND180L	114225
15	20	ND160M	73175	ND160L	80800	ND180L	103275	ND200L	160800
18.5	25	ND160L	94000	ND180M	103375	ND200L	147425	ND225S	206350
22	30	ND180M	105625	ND180L	113200	ND200L	158725	ND225M	248100
30	40	ND200L	155050	ND200L	156200	ND225M	226875	ND250M	334950
37	50	ND200L	188250	ND225S	182650	ND250M	305050	ND280S	436800
45	60	ND225M	242275	ND225M	221375	ND280S	365375	ND280M	504725
55	75	ND250MX	326150	ND250MX	304200	ND280M	419600	ND315S	611575
75	100	ND280S	407275	ND280S	370275	ND315S	512475	ND315M	759400
90	120	ND280M	469850	ND280M	431275	ND315M	641225	ND315L	860925
110	150	ND315S	607200	ND315S	534500	ND315M	715025	ND315LX	911400
125	170	ND315M	712475	ND315M	608900	ND315LX	779350	ND315LX	1001350
132	180	ND315M	746275	ND315M	626300	ND315LX	834700	ND315LX	1055925
160	215	ND315LX	817500	ND315LX	734825	ND315LX	869125	ND355LX	1226825
180	240	ND315LX	860575	ND315LX	781575	ND355LX	958575	ND355LX	1258700
200	270	ND315LX	954425	ND315LX	892025	ND355LX	1030725	ND355LX	1348400
225	300	ND355LX*	1074700	ND355LX	1025950	ND355LX	1061650	ND355LX	1915825
250	335	ND355LX*	1100700	ND355LX	1088550	ND355LX	1135125	-	-
275	370	ND355LX*	1131800	ND355LX	1189950	ND355LX*	1379675	-	-
315	425	ND355LX*	1159000	ND355LX*	1277225	ND355LX*	1707950	-	-
355	473	-	-	ND355LX*	1551675	-	-	-	-
375	500	-	-	ND355LX*	1773075	-	-	-	-

*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 / 3000 RPM		4 Pole / 1500 RPM		6 Pole / 1200 RPM	
KW	HP	Frame	List Price	Frame	List Price	Frame	List Price
0.75	1.00	143T	14900	143T	16725	145T	17550
1.10	1.50	143T	17675	145T	17150	182T	31250
1.50	2.00	145T	18125	145T	19025	184T	32800
2.20	3.00	182T	31800	182T	32125	213T	50650
3.70	5.00	184T	34550	184T	35050	215T	55025
5.50	7.50	213T	49000	213T	54025	254T	91125
7.50	10.00	215T	52600	215T	58175	256T	103325
11.00	15.00	254T	80750	254T	86950	284T	147875
15.00	20.00	256T	87575	256T	96675	286T	151175
18.50	25.00	284TS	133600	284T	147225	324T	202850
22	30	286TS	135200	286T	153825	326T	212850
30	40	324TS	203000	324T	224825	364T	325275
37	50	326TS	214050	326T	251175	365T	364825
45	60	364TS	301775	364T	316275	404T	403200
55	75	365TS	336925	365T	347050	405T	429550
75	100	405TS	432025	405T	432750	-	-

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 Ipart for American Market
 MEPS 2 - Australia & Newzealand

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 Slipping 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	77350	-	-
3.00	4.00	DW132S	74925	DW132S	81375	NDW160M	111500
3.70	5.00	DW132S	76625	DW132M	85475	NDW160M	115475
5.50	7.50	DW132M	78225	NDW160M	104275	NDW160L	129425
7.50	10.00	NDW160M	103575	NDW160L	130075	NDW180L	176000
11.00	15.00	NDW160L	129600	NDW180L	168900	NDW200L	230600
15.00	20.00	NDW180L	171525	NDW200L	220450	NDW225M	296500
18.50	25.00	NDW200L	197325	NDW225M	284275	NDW225M	342875
22.00	30.00	NDW200L	219225	NDW225M	339700	NDW250M	447525
30.00	40.00	NDW225M	270800	NDW250M	449225	NDW280S	516325
37	50	NDW250M	371325	NDW280S	508625	NDW280M	592225
45	60	NDW250M	443825	NDW280M	552650	NDW315S	727925
55	75	NDW280S	489150	NDW315S	616275	NDW315M	842475
75	100	NDW280M	543125	NDW315M	778425	NDW315LX	927475
90	120	NDW315S	677125	NDW315LX	863150	NDW315LX	1096975
110	150	NDW315M	782375	NDW315LX	1024475	NDW355LX	1168350
125	170	NDW315LX	860600	NDW315LX	1112500	NDW355LX	1299625
132.00	180.00	NDW315LX	907125	-	-	-	-
150	200	NDW315LX	1029225	NDW355LX	1192650	NDW355LX	1430425
160	215	NDW315LX	1051400	NDW355LX	1272125	NDW355LX	1449325
180	240	NDW355L	1112350	NDW355LX	1351625	NDW400LX	2353400
200	270	NDW355L	1235950	NDW355LX*	1464275	NDW400LX	2614675
225	300	NDW355LX	1302375	NDW400LX	2872500	NDW400LX *	2941525
250	335	NDW355LX	1318525	NDW400LX	3191650	NDW450LX*	4400000
275	370	NDW355LX	1398325	NDW400LX	3510825	NDW450LX*	4840000
300	402	NDW400LX	2660425	NDW400LX	3829925	NDW450LX*	5324000
315	436	NDW400LX	2793450	NDW400LX	4149100	NDW450LX*	5856400
350	470	NDW400LX	3103825	NDW450LX*	4436000	NDW450LX*	6324912
370	500	NDW400LX *	On Request	NDW450LX*	4879600	NDW450LX*	6830905
450	600	-	0	NDW450LX*	5367560	NDW450LX*	7377377

*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	96925
5.5	7.5	-	-	CW160M	94975	CW160L	103225
7.5	10	CW160M	95525	CW160L	110800	CW180M	142400
11	15	CW160L	106400	CW180M	142350	CW180L	166750
15	20	CW180M	141400	CW180L	156875	CW200M	206325
18.5	25	CW180M	145200	CW200M	212725	CW200L	216950
22	30	CW180L	156075	CW200L	222050	CW225M	285550
30	40	CW200M	199225	CW225M	282400	CW225M	316975
37	50	CW200L	216600	CW225M	303125	CW250S	399725
45	60	CW225M	264425	CW250S	393925	CW250M	458850
55	75	CW250S	356475	CW250M	439150	CW280S	556800
75	100	CW250S	374325	CW280S	534450	CW280M	608150
90	120	CW250MX	456300	CW280M	638650	CW315S*	774850
110	150	CW280M	510075	CW315S*	746200	CW315MX*	838475
125	170	CW280MX*	633750	CW315MX*	837025	CW355L	882550
132	180	CW280MX*	665450	CW315MX*	859000	CW355L	931950
150	200	CW315S*	778075	CW315MX*	938475	CW355L	1157125
160	215	CW315M*	719925	CW315MX*	951975	CW355L	1303625
180	240	CW315MX*	905650	CW355L	On Request	CW355L	1379750
200	270	CW315MX*	1045250	CW355L	On Request	CW355L	1492950
225	300	CW315MX*	1046100	CW355L	On Request	CW400LX	2292650
250	335	CW355L	On Request	CW355L	On Request	CW400LX	2405475
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*	1248425
125	170	CW355L	1611025
150	200	CW355L	1836500
160	215	CW355L	1917500
180	240	CW355L	1999400
200	270	CW400LX	2315200
225	300	CW400LX	2558050

* 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	PROTECTION :IP55
VOLTAGE : 415 VOLTS ± 10%	RATING : S3 / S4 (AS PER IS/IEC 60034-1, IS1231, IS2223)
FREQUENCY : 50Hz ± 5%	DUTY : INTERMITTENT
COMBINED : 10% (ABSOLUTE SUM)	INSULATION : CLASS F, TEMP RISE- CLASS B
AMBIENT : 50°C	40% CDF , 150 Starts stops per Hr

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE CRANE DUTY MOTORS (Lower Frames)							
		4 Pole / 1500 RPM				6 Pole / 1000 RPM	
KW	HP	Frame	List Price	KW	HP	Frame	List Price
0.25	0.34	GD63	8790	0.17	0.23	GD63	8600
0.55	0.75	GD71	9300	0.37	0.5	GD71	10215
0.75	1	ND80	10350	0.55	0.75	ND80	10965
1.1	1.5	ND80	10865	0.75	1	ND80	11515
1.5	2	ND90S	11395	1.1	1.5	ND90S	11745
2.2	3	ND90L	12470	1.5	2	ND90L	13600
3.75	5	ND100L	16800	2.2	3	ND100L	17740
5.5	7.5	ND112M	21045	3.75	5	ND112M	21125
7.5	10	ND132S	28975	5.5	7.5	ND132S	31045
9.3	12.5	ND132M	33865	7.5	10	ND132M	34565
11	15	ND160M	52730	9.3	12.5	ND160M	55795
15	20	ND160M	57380	11	15	ND160L	69180
18.5	25	ND160L	67110	15	20	ND160L	73830
22	30	ND180M	93905	18.5	25	ND180L	100405
27	36	ND180L	101025				
37	50	ND200L	134755				
		8 Pole / 750 RPM					
KW	HP	Frame	List Price				
0.55	0.75	ND90S	12070				
0.75	1	ND90L	13600				
1.1	1.5	ND100L	16370				
1.5	2	ND112M	23170				
2.2	3	ND132S	30665				
3.75	5	ND160M	47785				
5.5	7.5	ND160M	58535				
7.5	10	ND160M	63185				
9.3	12.5	ND160L	76195				
10	13.4	ND180M	97020				
12	16	ND180L	108015				

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 SQUIRREL CAGE CRANE DUTY IE2 MOTORS	
MOUNTING : FOOT	PROTECTION : IP55
VOLTAGE : 415 VOLTS ± 10%	RATING : S3/S4 (AS PER IEC 60034)
FREQUENCY: 50 Hz ± 5%	DUTY : INTERMITTENT
COMBINED :10% (ABSOLUTE SUM)	INSULATION : CLASS F, TEMP RISE - CLASS B
AMBIENT : 50 °C	40% CDF, 150 Starts stops per Hr
Applicable Standards : IS/IEC 60034-30-1, IS 12615 : 2018; IS1231, IS2223	

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE CRANE DUTY IE2 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
0.37	0.50	GD71	6875	ND80	10275	ND90S	12500
0.55	0.75	ND80	9450	ND80	10550	ND90L	13675
0.75	1.00	ND80	9600	ND90S	11875	ND100L	16825
1.10	1.50	ND90S	11850	ND90L	13025	ND100L	20475
1.50	2.00	ND90L	14375	ND100L	18750	ND112M	23725
2.20	3.00	ND100L	17125	ND112M	19975	ND132S	31400
3.70	5.00	ND112M	21700	ND132S	31100	ND160M	48900
5.50	7.50	ND132S	30150	ND132M	38250	ND160M	61100
7.50	10.00	ND132M	35625	ND160M	58375	ND160L	77475
9.30	12.50	NG132M	47100	-	-	ND180M	100750
9.30	12.50	ND160M	57575	ND160L	63625	-	-
11	15	ND160M	59475	ND160L	71850	ND180L	106250
15	20	ND160L	71725	ND180L	93850	ND200L	149575
18.5	25	ND180M	91775	ND200L	134000	ND225S	191950
22	30	ND180L	100525	ND200L	144300	ND225M	230775
30	40	ND200L	138700	ND225M	206225	ND250M	311575
37	50	ND225S	162175	ND250M	277300	ND280S	406325
45	60	ND225M	196575	ND280S	332150	ND280M	469500



TOTALLY ENCLOSED FAN COOLED SLIPRING CRANE DUTY MOTORS

MOUNTING : FOOT

VOLTAGE : 415 VOLTS ± 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	54850
2.6	3.50	DW132S	72225
4.5	6.03	DW132M	86275
6.7	9.00	NDW160M	97900
9.0	12.07	NDW160L	121100
13.2	17.50	NDW180L	182225
17.6	23.60	NDW200L	239575
24.6	33.00	NDW225S	296300
30.5	41.00	NDW225M	365650
36.0	48.28	NDW250S	457025
42.0	56	NDW250M	551600
53.5	72	NDW280S	606750
66.5	89	NDW280M	709175
93.0	126	NDW315S	847825
116.0	156	NDW315M	961300

OUTPUT Rating		8 Pole / 750 RPM	
KW	HP	Frame	List Price
1.7	2.3	DW132S	77550
2.5	3.4	DW132M	104200
4.8	6.4	NDW160M	112900
6.7	9.00	NDW160L	140600
9.30	11.00	NDW180L	188700
13.5	18.0	NDW200L	245850
20.2	27.2	NDW225S	319625
26.0	35.0	NDW225M	365650
31.5	42.2	NDW250S	445200
37	50	NDW250MX	554400
48.0	64.0	NDW280S	619350
59.0	79.0	NDW280M	674500
72.0	96.0	NDW315S	904575
86.0	115.3	NDW315M	981800

OUTPUT Rating		10 Pole / 600 RPM	
KW	HP	Frame	List Price
15	20	NDW225S	299925
18.5	25	NDW225M	351450
22.00	30.00	NDW250M	449225
38.00	51.00	NDW280S	669775
46.50	62.00	NDW280M	732800
60.00	80.00	NDW315S	932950
66.00	88.00	NDW315M	977525

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 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. conforming 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	14075	R112M	15475
1.10	1.50	R112M	16375	R112M	20375
1.50	2.00	R112M	18800	R132S	21650

CARD APPLICATION (TE) / TB ON TOP

OUTPUT Rating		6 Pole / 1000 RPM	
KW	HP	Frame	List Price
0.75	1.00	NR90L	11525
1.10	1.50	R112M	21275
1.50	2.00	R112M	25850

GINNING APPLICATION (TEFC) / TB ON RHS

OUTPUT Rating		4 Pole / 1500 RPM	
KW	HP	Frame	List Price
2.20	3.00	ND100L	15975
3.00	4.00	ND112M	20500
3.70	5.00	ND132S	27850
5.50	7.50	ND132S	28550
7.50	10.00	ND132M	32950

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	26400
5.50	7.50	ND132S	36175
7.50	10.00	ND132M	42375
9.30	12.50	ND160M	66900
11.00	15.00	ND160M	69000
13.00	17.50	ND160L	83425
15.00	20.00	ND160L	85750
18.50	25.00	ND180M	120725
22.00	30.00	ND180L	128625
30.00	40.00	ND200L	173525
37.00	50.00	ND225S	223100
45.00	60.00	ND225M	270425

OUTPUT		6 POLE : 1000 RPM	
KW	HP	FRAME	PRICE
3.70	5.00	ND132S	38500
5.50	7.50	ND132M	42950

Standard Paint Shade : RAL7034 (Yellow Grey)

TOTALLY ENCLOSED FAN COOLED CRUSHER DUTY MOTORS	
MOUNTIING : FOOT	PROTECTION :IP55
VOLTAGE: 415 VOLTS ± 10%	RATING: S1
FREQUENCY : 50Hz ± 5%	DUTY : Continuous
AMBIENT : 50°C	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	223600	-	-
55	75	ND250M	307300	ND280M	423825
75	100	ND280S	374000	ND315S	517625
90	120	ND280M	435625	ND315M	647700
110	150	ND315S	539900	ND315M	722250
125	175	ND315M	615050	ND315L	787225
132	180	ND315M	632625	ND315LX	843125
160	215	ND315LX	742250	ND315LX	877900
180	240	ND315LX	789475	ND355LX	968250
200	270	ND315LX	901025	ND355LX	1041125
225	300	ND355LX	1068525	ND355LX	1072375
250	335	ND355LX	1099550	ND355LX	1146600

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	PROTECTION : IP55
VOLTAGE : 415 VOLTS ± 10%	EFFICIENCY : IE2
FREQUENCY : 50Hz ± 5%	RATING : S4 (AS PER IEC 60034)
COMBINED : 10% (ABSOLUTE SUM)	DUTY : CONTINUOUS/ INTERMITTENT
AMBIENT : 50°C	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	22920
0.55	0.75	NG80	8	22390	NG80	8	23180
0.75	1.0	NG80	8	22460	NG90S	10	29890
1.1	1.5	NG90S	10	29200	NG90L	10	31010
1.5	2.0	NG90L	10	30170	NG100L	12	36720
2.2	3.0	NG100L	12	36220	NG112M	14	40950
3.0	4.0	NG100L	12	37020	NG132S	16	57220
3.7	5.0	NG112M	14	41710	NG132S	16	58520
5.5	7.5	NG132S	16	56670	NG132M	16	61920
7.5	10.0	NG132M	16	61240	ND160M	18	99600
9.3	12.5	NG132M	16	73360	ND160L	20	123610
9.3	12.5	ND160M	18	97660	-	-	-
11	15	ND160M	20	98000	ND160L	20	126930
15.0	20	ND160L	20	124820	ND180L	25	188920
18.5	25	ND180M	25	184250	ND200L	25	228660
22	30	ND180L	25	194100	ND200L	25	238630
30	40	ND200L	25	241250	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)



TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE DC BRAKE MOTORS	
AMBIENT : 50°C	PROTECTION : IP55
MOUNTING : FOOT	EFFICIENCY : IE2
VOLTAGE : 415 VOLTS ± 10%	RATING : S4 (AS PER IEC 60034)
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 (Aluminum 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	19500	GD80	8	22180
0.55	0.75	GD80	8	21665	GD80	8	22430
0.75	1.0	GD80	8	21735	GD90S	10	28925
1.1	1.5	GD90S	10	28255	GD90L	10	30010
1.5	2.0	GD90L	10	29195	GD100L	12	35530
2.2	3.0	GD100L	12	38940	GD112M	14	39625
3.7	5.0	GD112M	14	40360	GD132S	16	56620
5.5	7.5	GD132S	16	60925	GD132M	16	66565
7.5	10.0	GD132M	16	65835	-	-	-

ALP for Separate Brakes for Brake Motors - refer special feature
Standard Paint Shade : RAL7034 (Yellow Grey)

TOTALLY ENCLOSED FAN COOLED FIRE FIGHTING MOTORS		
MOUNTIING	: 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	ALP
5.50KNE2-FF	ND112M	28825
9.30KNE2-FF	ND132M	45625
11KNE2-FF	ND132M	55700
15KE2-FF	ND160M	66,500
22KE2-FF	ND160L	86400
30KE2-FF	ND180L	126875
45KE2-FF	ND200L	198225
55KE2-FF	ND225M	266850
60KE2-FF	ND225M	292500
75KE2-FF	ND250MX	333225
90KE2-FF	ND280M	384400

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	56810
11	2	PC132M	68095
15	2	ND160L	79370
22	2	ND160L	101405
30	2	ND200L	197850
37	2	ND200L	208255
45	2	ND200L	231570
55	2	ND250MX	332485
75	2	ND250MX	350120
150	2	ND315LX	866245
11	4	ND160M	89305
15	4	ND160L	98240
18.5	4	ND180L	124200
22	4	ND180L	151740
55	4	ND250MX	386450
75	4	PC250M	433910
90	4	ND280M	511285
132	4	ND315LX	840000
160	4	ND315LX	960000
200	4	ND355LX	1240000

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

Smoke Extraction Motors				
OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	CATREF	List Price
0.75	1.00	ND80	0.75KNE2TOP_SM3TE	11585
1.10	1.50	ND80	1.1KNE2TOP_SM3TE	12610
1.5	2.00	ND90S	1.5KNE2TOP_SM3TE	14490
2.2	3.00	ND90L	2.2KNE2TOP_SM3TE	18580
3.7	5.00	ND100L	3.7KNE2TOP_SM3TE	23070
5.5	7.50	ND132S	5.5KNE2TOP_SM3TE	37620
7.5	10.00	ND132S	7.5KNE2TOP_SM3TE	42705
18.5	25	ND160L	18.5KNE2TOP_SM3TE	104910
22	30	ND180M	22KE2TOP_SM3TE	117880
30	40	ND200L	30KE2TOP_SM3TE	173055
37	50	ND200L	37KE2TOP_SM3TE	210115

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	CATREF	List Price
0.75	1.00	ND90S	0.75KNE6TOP_SM3TE	14555
1.10	1.50	ND90L	1.1KNE6TOP_SM3TE	15975
1.50	2.00	ND100L	1.5KNE6TOP_SM3TE	23005
2.20	3.00	ND112M	2.2KNE6TOP_SM3TE	24520
3.70	5.00	ND132S	3.7KNE6TOP_SM3TE	38185
5.50	7.50	ND132M	5.5KNE6TOP_SM3TE	46960
7.50	10.00	ND160M	7.5KE6TOP_SM3TE	71680
11	15	ND160L	11KE6TOP_SM3TE	88210
15	20	ND180L	15KE6TOP_SM3TE	115240
18.5	25	ND200L	18.5KE6TOP_SM3TE	164540
22	30	ND200L	22KE6TOP_SM3TE	177180

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	CATREF	List Price
0.55	0.75	ND80	0.55KNE4TOP_SM3TE	11880
0.75	1.00	ND80	0.75KNE4TOP_SM3TE	12045
1.10	1.50	ND90S	1.10KNE4TOP_SM3TE	14885
1.50	2.00	ND90L	1.50KNE4TOP_SM3TE	18055
2.20	3.00	ND100L	2.20KNE4TOP_SM3TE	21520
3.70	5.00	ND112M	3.70KNE4TOP_SM3TE	27260
5.50	7.50	ND132S	5.50KNE4TOP_SM3TE	37885
7.50	10.00	ND132M	7.50KNE4TOP_SM3TE	44785
11	15	ND160M	11KE4TOP_SM3TE	73030
15	20	ND160L	15KE4TOP_SM3TE	90160
18.5	25	ND180M	18.5KE4TOP_SM3TE	115370
22	30	ND180L	22KE4TOP_SM3TE	126360
30	40	ND200L	30KE4TOP_SM3TE	174340

CG Alternator -Brushless Type--1500 RPM

Screen Protected Drip Proof with enclosure conforming to protection IP 23 , Horizontal Foot Mounted (B3) , 1500 RPM , 4P , 0.8 PF(lag) , Voltage Regulation +/-1% , Single Bearing suitable for operations upto 40 Deg C Amb Temp & 1000 mtr altitude

3 PHASE - 415V			1 PHASE - 240V		
KVA	FRAME	List Price	KVA	FRAME	List Price
5.0	G1R132MR	53600	5	G1R160C1F	54370
7.5	G1R160C1F	55653	7.5	G1R160C1E	62380
10.0	G1R160C1E	59700	10	G1R160C2A	69690
12.5	G1R160C2A	63660	12.5	G1R160C3B	81270
15.0	G1R160C2B	69120	15	G1R160C4C	92000
20.0	G1R160C3B	80900	17.5	G1R160C5C	100000
25.0	G1R160C4C	92150	20	G1R160C5A	105180
30.0	G1R160C5A	104680	25	G1R200SF	124080
35.0	G1R200SE	113180	30	G1R200SA	136550
40.0	G1R200SE	122520	35	G1R200SC	154950
45	G1R200SA	133900	40	G1R200SD	168580
50	G1R200SB	138990	45	G1R200MB	191370
62.5	G1R200SC	163470	50	G1R200MD	214170
63	G1R200SC	163470	63	G1R250SD	258380
75	G1R200MB	179560	82.5	G1R250LB	312340
82.5	G1R200MD	183340			
90	G1R200MDX	216240			
100	G1R250SB	216980			
110	G1R250SD	229260			
125	G1R250SD	239240			
140	G1R250MA	262840			
160	G1R250MB	285630			
180	G1R250LB	300450			
200	G1R250LD	320080			
225	G1R315SE	358220			
250	G1R315SE	385750			
275	G1R315SA	411050			
300	G1R315SB	439620			
320	G1R315SB	463560			
380	G1R315MB	532810			
400	G1R355SB	579680			
415	G1R355SB	581090			
437.5	G1R355SE	585980			
450	G1R355SE	616680			
500	G1R355SE	671990			
550	G1R355ME	716100			
600	G1R355MA	778320			
625	G1R355MA	790470			
650	G1R355MB	882640			
680	G1R400SB	1169750			

3 PHASE - 415V		
KVA	FRAME	List Price
750	G1R400SC	1184980
1010	G1R400MA	1413840
1250	G1R400MB	1641150
1400	G1R450SB	2080720
1500	G1R450SC	2103960
1750	G1R450MA	2741250
1900	G1R450MB	2784730
2000	G1R450LA	2848640
2250	G1R450LB	3057350

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	54860
7.5	G1R132MA/2	55650
10	G1R132MC/2	58340
12.5	G1R160S1A/2	62210
15	G1R160S1A/2	69120
20	G1R160SB/2	80890
25	G1R160SC/2	92150
30	G1R160MA/2	104680

1 PHASE - 240V		
KVA	FRAME	List Price
5	G1R132MR/2	54330
6	G1R132MA/2	57750
7.5	G1R132MC/2	62380
10	G1R160S1A/2	69040
12.5	G1R160SB/2	81280
15	G1R160SC/2	92000

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	81160
15.0	G2R160SB	89550
20	G2R160MC	145550
25.0	G2R160M2A	162320
30	G2R200SE	179100
35	G2R200SE	186120
40	G2R200SB	193130
50	G2R200SC	207170
63	G2R200MB	208290
75	G2R250SB	246300
100	G2R250SD	284330
110	G2R250MA	299020
125	G2R250MB	316780
145	G2R250LB	343940
160	G2R250LD	371080
180	G2R315SE	407110
200	G2R315SE	443140

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	34650
6.5	G2S132MR	34910
7.5	G2S132MA	44190
10	G2S132MC	49400
12.5	G2S132MD	54450
15	G2S160S1B	58470
20	G2S160SC	79470
25	G2S160MC	86870
30	G2S160M2R	97580
32.5	G2S160M2R	100130
35	G2S200SE	105750
40	G2S200SE	112760
45	G2S200SB	125560
50	G2S200SB	129230
63	G2S200SD	152740
75	G2S200MD	170660
82.5	G2S200MD	176950

1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	39890
6	G2S132MC	45450
7.5	G2S160S1E	49450
10	G2S160S1B	56250
12.5	G2S160SC	68840
15	G2S160MC	81180
20	G2S200SE	110090

UPF ALTERNATORS		
1 PHASE - 240V		
KVA	FRAME	List Price
5	G2S132MA	41500
6	G2S132MC	46400
7.5	G2S132MD	49450
10	G2S160S1E	56250
15.0	G2S160S1B	77500

CASH EXTRA FOR SPECIAL FEATURES : ALTERNATORS

1) Additional prices for accessories

Frame	132	160	200	250	315	355	400S C	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 Analogue 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/-
<p>* 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.</p>					
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 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	42710
3.7	100M	45130
5.5	100L	51840
On enquiry	112S	67730
7.5	112M	70020
On enquiry	112L	77500
11.0	132S	78900
15.0	132M	93160
22.5	132L	102700
30.0	160A	161650
40.0	160S	179260
50.0	160M	202670
56.0	160M	213110
60.0	160L	232440
On enquiry	180A	242606
75.0	180S	280360
100.0	180M	297300
On enquiry	200A	321480
115.0	200S	351900
On enquiry	200SX	403720
150.0	200M	440370
On enquiry	225A	466070
180.0	225S	521750
On enquiry	225SX	576580
225.0	225M	596900
On enquiry	250A	674000
295.0	250S	737200

SOLID YOKE DC MOTORS	
Frame Size	List Price
AES160U	153240
AES160A	165940
AES160S	198820
AES160M	240630
AFS180U	177320
AFS180A	196300
AFS180S	227960
AFS180M	269740
AFS180SPL-S	273010
AFS180SPL-M	292530
AFS180SPL-L	299500
AFS180SPL-X	338000
AFS225S	363450
AFS225M	443250
AFS225L	487550
AFS225LX	563940
AFS225X	559750
AFS250S	619680
AFS250M	653920
AFS250L	661500
AFS280A	683870
AFS280S	719320
AFS280M	825680
AFS315SX	1048450
AFS315S	1131350
AFS315M	1188480
AFS315L	1252970



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LAMINATED YOKE DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	250SX	758250
325.0	250M	776710
On enquiry	250MX	780780
On enquiry	250L	802410
400.0	280S	On Request
450.0	280M	On Request
On enquiry	280MX	986030
On enquiry	280L	1032620
On enquiry	280LX	1075590
On enquiry	280LY	1129700

LAMINATED YOKE DC MOTORS		
KW	ASBG Frame	List Price
On enquiry	315S	1151500
On enquiry	315M	1179520
On enquiry	315L	1298240
On enquiry	315LX	1388840
On enquiry	315LL	1505000
On enquiry	355S	1650550
On enquiry	355M	1672660
On enquiry	355L	1762640
On enquiry	355LX	1859220
On enquiry	400S	1909050
On enquiry	400M	1952940
On enquiry	400L	2121460

Laminated Yoke DC Motors :: Screen protected Drp 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	324750	381880
ABS803	402650	463700
ABS804	506560	586450
ABS806	740360	818270
ABS808	870210	981930
ABS810	1000120	1118310
ABS812	1683280	1854720
ABS814	1995000	2195690
ABS816	2317100	2523000

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

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 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 us CG sales office.

