



Smart solutions.
Strong relationships.

PRICE LIST

LV AC MOTORS, ALTERNATORS & DC MOTORS

(Price List No. LTM/008 Rev. 1 Effective from 01.03.2014)



INDEX

PRICE LIST FOR AC MOTORS, ALTERNATORS & DC MOTORS

(Effective from 01.03.2014)

*(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

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* Issued as a revision to our price list LTM/008 dt. 3.12.13 incorporating new excise duty



Apex Series

Energy Efficient LV Motors



IE2

0.37 kW to 375 kW

IE3

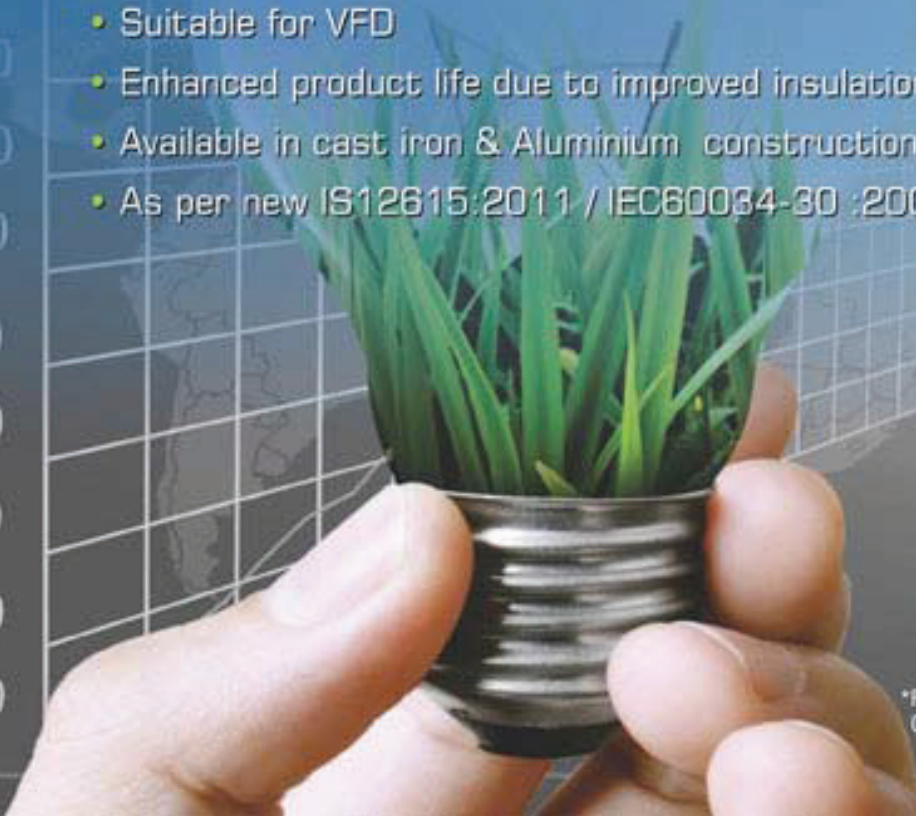
0.37kW to 22kW*

2 to 6 pole



New definition of energy savings..

- Early payback due to higher efficiencies
- Suitable for VFD
- Enhanced product life due to improved insulation scheme
- Available in cast iron & Aluminium construction
- As per new IS12615:2011 / IEC60034-30 :2008



*For other ratings please contact nearest
CG branch office.



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE3

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 415V +/- 10%, 3 Phase 50Hz +/- 5% AC supply with ambient 50°C, 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 IS 12615:2011/IEC 60034-30:2008

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX.DUTY
0.75	1.00	PA/PC80	13100	540
1.10	1.50	PA/PC80	16100	663
1.50	2.00	PA/PC90S	17250	771
2.20	3.00	PA/PC90L	22150	913
3.70	5.00	PA/PC100L	30480	1256
5.50	7.50	PA/PC132S	42800	1763
7.50	10.00	PA/PC132S	46900	1932
11.00	15.00	PC160M	86500	3564
15.00	20.00	PC160L	98900	4075
18.50	25.00	PC160L	127600	5257
22.00	30.00	PC180M	135600	5587

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX.DUTY
0.75	1.00	PA/PC80	14200	585
1.10	1.50	PA/PC90S	16500	680
1.50	2.00	PA/PC90L	17950	740
2.20	3.00	PA/PC100L	24105	993
3.00	4.00	PA/PC100L	25025	1031
3.70	5.00	PA/PC112M	30250	1246
5.50	7.50	PA/PC132S	42550	1753
7.50	10.00	PA/PC132M	48510	1999
11.00	15.00	PC160M	86500	3564
15.00	20.00	PC160L	103500	4264
18.50	25.00	PC180M	138000	5686
22.00	30.00	PC180L	141200	5817

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX.DUTY
0.75	1.00	PA/PC90S	17350	715
1.10	1.50	PA/PC90L	23500	968
1.50	2.00	PA/PC100L	24431	1007
2.20	3.00	PA/PC112M	29200	1203
3.00	4.00	PA/PC112M	42700	1759
5.50	7.50	PC132M	49400	2035
7.50	10.00	PC160M	84500	3481
11.00	15.00	PC160L	101200	4169
15.00	20.00	PC180L	134300	5533

Note : For other ratings please contact nearest CG branch office.

AC MOTORS

IE2 MOTORS - FOOT MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE2

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 415V +/- 10%, 3 Phase 50Hz +/- 5% AC supply with ambient 50°C, 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 IS 12615:2011/IEC 60034-30-2008

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/NG80	12120	499
0.75	1.00	GD/NG80	12520	516
1.10	1.50	GD/NG80	13665	563
1.50	2.00	GD/NG90S	15660	645
2.20	3.00	GD/NG90L	20120	829
3.00	4.00	GD/NG100L	23640	974
3.70	5.00	GD/NG100L	24985	1029
5.50	7.50	GD/NG132S	40800	1681
7.50	10.00	GD/NG132S	42220	1739
11.00	15.00	ND160M	75950	3129
15.00	20.00	ND160M	89030	3668
18.50	25.00	ND160L	115035	4739
22.00	30.00	ND180M	123270	5079
30.00	40.00	ND200L	183360	7554
37.00	50.00	ND200L	222625	9172
45.00	60.00	ND225M	288510	11804
55.00	75.00	ND250MX	385725	15892
*75.00	100.00	ND280M	481740	19848
90.00	120.00	ND280M	555720	22896
110.00	150.00	ND315S	701920	28919
125.00	170.00	ND315M	823605	33933
132.00	180.00	ND315M	862700	35543
160.00	215.00	ND315LX	945015	38935
180.00	240.00	ND315LX	994855	40988
200.00	270.00	ND315LX	1103330	45457
225.00	300.00	ND355LX	1166645	48066
250.00	335.00	ND355LX	1235840	50917
275.00	370.00	ND355LX	1308365	53905
315.00	415.00	ND355LX	1339830	55201

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/NG80	12860	530
0.75	1.00	GD/NG80	13050	538
1.10	1.50	GD/NG90S	14820	611
1.50	2.00	GD/NG90L	16220	668
2.20	3.00	GD/NG100L	21520	887
3.00	4.00	GD/NG100L	22750	937
3.70	5.00	GD/NG112M	27465	1132
5.50	7.50	GD/NG132S	38015	1566
7.50	10.00	GD/NG132M	44100	1817
11.00	15.00	ND160M	72780	2999
15.00	20.00	ND160L	90465	3727
18.50	25.00	ND180M	116890	4816
22.00	30.00	ND180L	130275	5367
30.00	40.00	ND200L	175050	7212
37.00	50.00	ND225S	216010	8900
45.00	60.00	ND225M	261835	10788
55.00	75.00	ND250MX	359840	14825
75.00	100.00	ND280S	437940	18043
90.00	120.00	ND280M	510140	21018
110.00	150.00	ND315S	617880	25457
125.00	170.00	ND315M	703875	29000
132.00	180.00	ND315M	724005	29829
160.00	215.00	ND315LX	849445	34997
180.00	240.00	ND315LX	903490	37224
200.00	270.00	ND315LX	1031185	42485
225.00	300.00	ND355LX	1060275	43683
250.00	335.00	ND355LX	1142110	47055
275.00	370.00	ND355LX	1156360	47642
315.00	415.00	ND355LX	1307295	53861
355.00	473.00	ND355LX	1793795	73904
375.00	500.00	ND355LX	2049740	84449

*Mounting holes of 'S' will be provided

Note : For other ratings please contact nearest CG branch office.



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE2

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

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (83), 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" and altitude, less than 1000 m above m.s.l. Efficiency values are conforming to IS 12615:2011/IEC 60034-30-2008

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/NG80	13655	563
0.55	0.75	GD/NG80	14005	577
0.75	1.00	GD/NG90S	15775	650
1.10	1.50	GD/NG90L	17300	713
1.50	2.00	GD/NG100L	22210	915
2.20	3.00	GD/NG112M	26545	1094
3.00	4.00	GD/NG132S	38775	1598
3.70	5.00	GD/NG132S	40390	1664
5.50	7.50	ND160M	72835	3001
7.50	10.00	ND160M	75020	3091
11.00	15.00	ND160L	93450	3850
15.00	20.00	ND180L	122085	5030
18.50	25.00	ND200L	158780	6542
22.00	30.00	ND200L	172325	7100
30.00	40.00	ND225M	268280	11053
37.00	50.00	ND250M	360805	14865
45.00	60.00	ND280S	432175	17806
55.00	75.00	ND280M	492085	20274
75.00	100.00	ND315S	592375	24406
90.00	120.00	ND315M	741260	30540
110.00	150.00	ND315M	826575	34055
125.00	170.00	ND315L	900935	37119
132.00	180.00	ND315LX	964910	39754
160.00	215.00	ND315LX	1004710	41394
180.00	240.00	ND355L	1108105	45654
200.00	270.00	ND355LX	1150740	47410
225.00	300.00	ND355LX	1195480	49254
250.00	335.00	ND355LX	1240230	51097
275.00	370.00	ND355LX	1435525	59144
315.00	415.00	ND355LX	1974450	81347

Note : For other ratings please contact nearest CG branch office.

AC MOTORS

IE2 MOTORS - FLANGE MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE2

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

Enclosure conforming to protection IP 55 Flange Mounted (Any other mounting than 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" and altitude, less than 1000 m above m.s.l. Efficiency values are conforming to IS 12615:2011/IEC 60034-30:2008

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/NG80	12480	514
0.75	1.00	GD/NG80	12905	532
1.10	1.50	GD/NG80	14080	580
1.50	2.00	GD/NG90S	16125	664
2.20	3.00	GD/NG90L	20725	854
3.00	4.00	GD/NG100L	24350	1003
3.70	5.00	GD/NG100L	25740	1060
5.50	7.50	GD/NG132S	42020	1731
7.50	10.00	GD/NG132S	43495	1792
11.00	15.00	ND160M	78230	3223
15.00	20.00	ND160M	91705	3778
18.50	25.00	ND160L	119050	4905
22.00	30.00	ND180M	129440	5333
30.00	40.00	ND200L	191620	7895
37.00	50.00	ND200L	233755	9631
45.00	60.00	ND225M	300850	12395
55.00	75.00	ND250MX	406970	16767
*75.00	100.00	ND280M	505835	20840
90.00	120.00	ND280M	586300	24156
110.00	150.00	ND315S	737020	30365
125.00	170.00	ND315M	864790	35629
132.00	180.00	ND315M	905835	37320
160.00	215.00	ND315LX	992270	40882
180.00	240.00	ND315LX	1044600	43038
200.00	270.00	ND315LX	1158500	47730
225.00	300.00	ND355LX	1224980	50469
250.00	335.00	ND355LX	1297635	53463
275.00	370.00	ND355LX	1373785	56600
315.00	415.00	ND355LX	1406825	57961

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/NG80	13240	545
0.75	1.00	GD/NG80	13445	554
1.10	1.50	GD/NG90S	15265	629
1.50	2.00	GD/NG90L	16710	688
2.20	3.00	GD/NG100L	22165	913
3.00	4.00	GD/NG100L	23430	965
3.70	5.00	GD/NG112M	28295	1166
5.50	7.50	GD/NG132S	39160	1613
7.50	10.00	GD/NG132M	45415	1871
11.00	15.00	ND160M	74975	3089
15.00	20.00	ND160L	93175	3839
18.50	25.00	ND180M	122740	5057
22.00	30.00	ND180L	136795	5636
30.00	40.00	ND200L	183805	7573
37.00	50.00	ND225S	226810	9345
45.00	60.00	ND225M	274935	11327
55.00	75.00	ND250MX	377840	15567
75.00	100.00	ND280S	459840	18945
90.00	120.00	ND280M	535650	22069
110.00	150.00	ND315S	648775	26730
125.00	170.00	ND315M	739070	30450
132.00	180.00	ND315M	760210	31321
160.00	215.00	ND315LX	891920	36747
180.00	240.00	ND315LX	948665	39085
200.00	270.00	ND315LX	1082745	44609
225.00	300.00	ND355LX	1113290	45868
250.00	335.00	ND355LX	1199220	49408
275.00	370.00	ND355LX	1214180	50024
315.00	415.00	ND355LX	1372660	56554
355.00	473.00	ND355LX	1883485	77600
375.00	500.00	ND355LX	2152230	88672

*Mounting holes of 'S' will be provided

Note : For other ratings please contact nearest CG branch office.



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE2

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

Enclosure conforming to protection IP 55 Flange Mounted (Any other mounting than 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" and altitude, less than 1000 m above m.s.l. Efficiency values are conforming to IS 12615:2011/IEC 60034-30-2008

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/NG80	14070	580
0.55	0.75	GD/NG80	14430	595
0.75	1.00	GD/NG90S	16250	670
1.10	1.50	GD/NG90L	17820	734
1.50	2.00	GD/NG100L	22875	942
2.20	3.00	GD/NG112M	27340	1126
3.00	4.00	GD/NG132S	39945	1646
3.70	5.00	GD/NG132S	41595	1714
5.50	7.50	ND160M	75020	3091
7.50	10.00	ND160M	77275	3184
11.00	15.00	ND160L	96260	3966
15.00	20.00	ND180L	128190	5281
18.50	25.00	ND200L	166720	6869
22.00	30.00	ND200L	180935	7455
30.00	40.00	ND225M	281695	11606
37.00	50.00	ND250M	378845	15608
45.00	60.00	ND280S	453790	18696
55.00	75.00	ND280M	516690	21288
75.00	100.00	ND315S	621995	25626
90.00	120.00	ND315M	778325	32067
110.00	150.00	ND315M	867905	35758
125.00	170.00	ND315L	945985	38975
132.00	180.00	ND315LX	1013160	41742
160.00	215.00	ND315LX	1054950	43464
180.00	240.00	ND355L	1163515	47937
200.00	270.00	ND355LX	1208280	49781
225.00	300.00	ND355LX	1255255	51717
250.00	335.00	ND355LX	1302245	53652
275.00	370.00	ND355LX	1507305	62101
315.00	415.00	ND355LX	2073175	85415

Note : For other ratings please contact nearest CG branch office.

AC MOTORS

FLP MOTORS IE2



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE2

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAMEPROOF INDUCTION MOTORS

Enclosure conforming to protection IP 55. Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415 $\pm$ 10% V, 3 Phase 50Hz $\pm$ 5% AC supply with 50°C ambient, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000m above m.s.l. conforming to IS 2148/IEC 60034-1. Motors are suitable for Temperature class T4.

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	24250	999
0.55	0.75	E80	27120	1117
1.10	1.50	E90L	31230	1287
1.50	2.00	E90L	34940	1440
2.20	3.00	E90L	43680	1800
3.00	4.00	E100L	55480	2286
5.50	7.50	E132M	78770	3245
9.30	12.50	E160L	145890	6011
11.00	15.00	E160L	145890	6011
15.00	20.00	E160L	177030	7294
30.00	40.00	E200L	321110	13230
55.00	75.00	E250M	646420	26633
75.00	100.00	E280M	794570	32736

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	23830	982
0.55	0.75	E80	26300	1084
0.75	1.00	E80	27340	1126
1.10	1.50	E90L	31230	1287
1.50	2.00	E90L	33920	1398
2.20	3.00	E100L	43140	1777
3.70	5.00	E112M	54670	2252
5.50	7.50	E132M	75190	3098
7.50	10.00	E132M	85640	3528
9.30	12.50	E160L	125330	5164
11.00	15.00	E160L	132410	5455
55.00	75.00	E250M	588530	24247
75.00	100.00	E280M	721240	29715
90.00	120.00	E280M	735230	30291
110.00	150.00	E315M	877780	36165

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
11	15	E160L	153160	6310

Note : For other ratings please contact nearest CG branch office.



Note



Munelite

Aluminium Construction LV Motors

0.18 kW to 0.37 kW

IEC 63 to 71 Frame

2 to 4 Pole

Face/foot/flange



Light in weight,
Strong in performance..

- Energy Efficient
- Multi-mount arrangement
- Corrosion resistant construction
- Low Vibration
- Light in Weight





(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE 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 50°C, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000m above m.s.l. conforming to IS 325/IEC 60034-1

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.18	0.25	GD63	7425	306
0.25	0.33	GD63	7645	315
0.37	0.50	GD71	8125	335

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.18	0.25	GD63	8105	334
0.25	0.33	GD63	8255	340
0.37	0.50	GD71	8535	352

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS-FLANGE (Any other than B3 Mounting)

Enclosure conforming to protection IP 55. Flange Mounting (Any other mounting than 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" and altitude less than 1000m above m.s.l. conforming to IS 325/IEC 60034-1

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.18	0.25	GD63	7650	315
0.25	0.33	GD63	7870	324
0.37	0.50	GD71	8365	345

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.18	0.25	GD63	8335	343
0.25	0.33	GD71	8510	351
0.37	0.50	GD71	8785	362

*For eff2 efficiency, please refer same prices.

ND Series



General purpose LV motors

0.37kW to 375 kW

IEC 80 to 355LX

2 to 24 pole

220 to 690 V

Squirrel cage/ Slip ring

Cast iron construction



Power behind the drive..

- Rugged construction
- Perfect choice for industrial applications
- Less noise and vibration.
- Bigger terminal box to accommodate bigger cable sizes



Paper



Mines & metals



Power



Railway



Steel



Power



Cement



Pharmaceuticals



Water treatment

AC MOTORS

IE1 - FOOT MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS-FOOT MOUNTED

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 10%, 3 Phase 50Hz +/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 325/IEC 60034-30-2008

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/ND80	10530	434
0.75	1.00	GD/ND80	10890	449
*1.10	1.50	GD/ND80	11970	493
1.50	2.00	GD/ND90S	13685	564
2.20	3.00	GD/ND90L	17590	725
3.00	4.00	GD/ND100L	20650	851
3.70	5.00	GD/ND100L	21615	891
*5.50	7.50	ND112M	31655	1304
5.50	7.50	ND/GD132S	35345	1456
7.50	10.00	GD/ND132S	36710	1512
#9.30	12.50	GD/ND132M	57010	2349
9.30	12.50	ND160M	63815	2629
11.00	15.00	ND160M	64175	2644
15.00	20.00	ND160M	75165	3097
18.50	25.00	ND160L	96655	3982
22.00	30.00	ND180M	107775	4440
30.00	40.00	ND200L	160305	6605
37.00	50.00	ND200L	195565	8057
45.00	60.00	ND225M	251685	10369
55.00	75.00	ND250M	337240	13894
60.00	80.00	ND250MX	364205	15005
75.00	100.00	ND280S	439110	18091
90.00	120.00	ND280M	509000	20971
110.00	150.00	ND315S	668495	27542
125.00	170.00	ND315M	784385	32317
132.00	180.00	ND315M	821615	33851
150.00	200.00	ND315L	868930	35800
160.00	215.00	ND315LX	900010	37080
180.00	240.00	ND315L	947480	39036
200.00	270.00	ND315LX	1050790	43293
\$225.00	300.00	ND355L	1111090	45777
250.00	335.00	ND355LX	1176990	48492
275.00	370.00	ND355LX	1246060	51338
315.00	425.00	ND355LX	1276025	52572
\$335.00	452.00	ND355LX	1456130	59993

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/ND80	11240	463
0.75	1.00	GD/ND80	11325	467
1.10	1.50	GD/ND90S	12890	531
1.50	2.00	GD/ND90L	14045	579
2.20	3.00	GD/ND100L	18625	767
3.00	4.00	GD/ND100L	19590	807
3.70	5.00	GD/ND112M	23885	984
5.50	7.50	GD/ND132S	32905	1356
7.50	10.00	GD/ND132M	38345	1580
*9.30	12.50	ND132M	52750	2173
9.30	12.50	ND160M	61035	2515
11.00	15.00	ND160M	61440	2531
#15.00	20.00	ND160L	76375	3147
18.50	25.00	ND180M	102200	4211
22.00	30.00	ND180L	113895	4692
30.00	40.00	ND200L	153765	6335
37.00	50.00	ND225S	188855	7781
45.00	60.00	ND225M	228915	9431
55.00	75.00	ND250M	313110	12900
60.00	80.00	ND250MX	338145	13932
75.00	100.00	ND280S	403025	16605
90.00	120.00	ND280M	464680	19145
110.00	150.00	ND315S	588455	24244
125.00	170.00	ND315M	670355	27619
132.00	180.00	ND315M	689525	28408
160.00	215.00	ND315LX	808995	33331
180.00	240.00	ND315L	860465	35451
200.00	270.00	ND315LX	982080	40462
\$225.00	300.00	ND355L	1009785	41603
250.00	335.00	ND355LX	1087720	44814
260.00	350.00	ND355LX	1087720	44814
275.00	370.00	ND355LX	1101295	45373
315.00	425.00	ND355LX	1245040	51296
335.00	452.00	ND355LX	1340695	55237
350.00	470.00	ND355LX	1597400	65813
360.00	485.00	ND355LX	1708375	70385
#375.00	503.00	ND355LX	1952130	80428

Note : *This rating is suitable for class F temp rise only

All GD frames are with Terminal Box on Top

\$ This rating is suitable for 40°C Amb. / 80°C Temp. Rise

This rating is suitable for 45°C Amb. / 75°C Temp. Rise

Note : For eff2. efficiency please refer IE1 prices

AC MOTORS

IE1 - FOOT MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS-FOOT MOUNTED

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 10%, 3 Phase 50Hz +/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 325/IEC 60034-30-2008

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/ND80	11875	489
0.55	0.75	GD/ND80	12190	502
0.75	1.00	GD/ND90S	13720	565
1.10	1.50	GD/ND90L	15045	620
1.50	2.00	GD/ND100L	19220	792
2.20	3.00	GD/ND112M	22985	947
3.00	4.00	GD/ND132S	33560	1383
3.70	5.00	GD/ND132S	35120	1447
5.50	7.50	GD/ND132M	39160	1613
7.50	10.00	ND160M	63335	2609
9.30	12.50	ND160L	74925	3087
11.00	15.00	ND160L	78875	3250
15.00	20.00	ND180L	107740	4439
18.50	25.00	ND200L	138810	5719
22.00	30.00	ND200L	150665	6207
30.00	40.00	ND225M	235665	9709
37.00	50.00	ND250M	315455	12997
45.00	60.00	ND280S	404545	16667
55.00	75.00	ND280M	458980	18910
75.00	100.00	ND315S	564165	23244
90.00	120.00	ND315M	705960	29086
110.00	150.00	ND315M	787210	32433
125.00	170.00	ND315L	858030	35351
132.00	180.00	ND315L	918960	37861
150.00	200.00	ND315LX	949160	39105
160.00	215.00	ND315LX	956865	39423
180.00	240.00	ND355L	1055335	43480
200.00	270.00	ND355LX	1095940	45153
225.00	300.00	ND355LX	1138550	46908
250.00	335.00	ND355LX	1181170	48664
275.00	370.00	ND355LX	1367165	56327
#315.00	415.00	ND355LX	1880425	77474

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/ND90S	13190	543
0.55	0.75	GD/ND90L	14440	595
0.75	1.00	GD/ND100L	17755	732
1.10	1.50	GD/ND100L	21650	892
1.50	2.00	GD/ND112M	25070	1033
2.20	3.00	GD/ND132S	33225	1369
3.00	4.00	GD/ND132M	50040	2061
3.70	5.00	GD/ND132M	51795	2134
5.50	7.50	ND160M	63370	2611
7.50	10.00	ND160L	80395	3312
9.30	12.50	ND180M	104540	4307
11.00	15.00	ND180L	110240	4542
15.00	20.00	ND200L	155250	6396
18.50	25.00	ND225S	199240	8209
22.00	30.00	ND225M	239520	9868
30.00	40.00	ND250M	323425	13325
37.00	50.00	ND280S	413345	17030
45.00	60.00	ND280M	477605	19677
55.00	75.00	ND315S	578740	23844
75.00	100.00	ND315M	718620	29607
90.00	120.00	ND315L	814695	33565
110.00	150.00	ND315LX	862460	35533
125.00	170.00	ND315LX	947575	39040
132.00	180.00	ND315LX	999265	41170
150.00	200.00	ND355L	1054160	43431
160.00	215.00	ND355LX	1160975	47832
180.00	240.00	ND355LX	1191135	49075
200.00	270.00	ND355LX	1276045	52573
#225.00	300.00	ND355LX	1813035	74697

Note : All GD frames are with Terminal Box on Top

This rating is suitable for 45°C Amb. / 75°C Temp. Rise

Note : For eff2 efficiency, please refer IE1 prices.



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS-FLANGE (Any other than B3 Mounting)

Enclosure conforming to protection IP 55, Flange Mounting(Any other mounting than B3),continuously rated (S1) suitable for operation on 415V +/- 10%, 3 Phase 50Hz +/- 5% AC supply with ambient 50°C, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 325/IEC 60034-30-2008

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/ND80	10835	446
0.75	1.00	GD/ND80	11205	462
*1.10	1.50	GD/ND80	12340	508
1.50	2.00	GD/ND90S	14110	581
2.20	3.00	GD/ND90L	18120	747
3.00	4.00	GD/ND100L	22285	918
3.70	5.00	GD/ND100L	22285	918
*5.50	7.50	ND112M	32585	1343
5.50	7.50	GD/ND132S	36405	1500
7.50	10.00	GD/ND132S	37825	1558
#9.30	12.50	GD/ND132M	58725	2419
9.30	12.50	ND160M	65755	2709
11.00	15.00	ND160M	66095	2723
15.00	20.00	ND160M	77445	3191
18.50	25.00	ND160L	99555	4102
22.00	30.00	ND180M	113160	4662
30.00	40.00	ND200L	168315	6935
37.00	50.00	ND200L	205360	8461
45.00	60.00	ND225M	264255	10887
55.00	75.00	ND250M	354085	14588
60.00	80.00	ND250MX	382435	15756
75.00	100.00	ND280S	461080	18996
90.00	120.00	ND280M	534440	22019
110.00	150.00	ND315S	701925	28919
125.00	170.00	ND315M	823620	33933
132.00	180.00	ND315M	862715	35544
150.00	200.00	ND315L	912380	37590
160.00	215.00	ND315LX	944980	38933
180.00	240.00	ND315L	994855	40988
200.00	270.00	ND315LX	1103320	45457
225.00	300.00	ND355L	1166645	48066
250.00	335.00	ND355LX	1235840	50917
275.00	370.00	ND355LX	1308365	53905
315.00	425.00	ND355LX	1339825	55201
335.00	452.00	ND355LX	1528940	62992

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.55	0.75	GD/ND80	11565	476
0.75	1.00	GD/ND80	11675	481
1.10	1.50	GD/ND90S	13275	547
1.50	2.00	GD/ND90L	14470	596
2.20	3.00	GD/ND100L	19190	791
3.00	4.00	GD/ND100L	21120	870
3.70	5.00	GD/ND112M	24595	1013
5.50	7.50	GD/ND132S	33890	1396
7.50	10.00	GD/ND132M	39510	1628
*9.30	12.50	ND132M	54315	2238
9.30	12.50	ND160M	62860	2590
11.00	15.00	ND160M	63285	2607
#15.00	20.00	ND160L	78675	3241
18.50	25.00	ND180M	107300	4421
22.00	30.00	ND180L	119585	4927
30.00	40.00	ND200L	161470	6653
37.00	50.00	ND225S	198285	8169
45.00	60.00	ND225M	240345	9902
55.00	75.00	ND250M	328755	13545
60.00	80.00	ND250MX	355070	14629
75.00	100.00	ND280S	423175	17435
90.00	120.00	ND280M	487905	20102
110.00	150.00	ND315S	617895	25457
125.00	170.00	ND315M	703880	29000
132.00	180.00	ND315M	724000	29829
160.00	215.00	ND315LX	849440	34997
180.00	240.00	ND315L	903495	37224
200.00	270.00	ND315LX	1031195	42485
\$225.00	300.00	ND355L	1060270	43683
250.00	335.00	ND355LX	1142110	47055
260.00	350.00	ND355LX	1142110	47055
275.00	370.00	ND355LX	1156380	47643
315.00	425.00	ND355LX	1307285	53860
335.00	452.00	ND355LX	1407725	57998
350.00	470.00	ND355LX	1677260	69103
360.00	485.00	ND355LX	1793790	73904
#375.00	503.00	ND355LX	2049730	84449

Note : *This rating is suitable for class F temp rise only

This rating is suitable for 45°C Amb. / 75°C Temp. Rise

GD frames motors, Terminal box will be on top for B35 Motors

\$ Suitable for 40°C Amb. / 80°C Temp. Rise

Note : For eff2 efficiency, please refer IE1 prices.

AC MOTORS

IE1 - FLANGE MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS-FLANGE (Any other than B3 Mounting)

Enclosure conforming to protection IP 55, Flange Mounting(Any other mounting than B3),continuously rated (S1) suitable for operation on 415V+/- 10%, 3 Phase 50Hz+/- 5% AC supply with ambient 50°C,Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 325/IEC 60034-30-2008

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/ND80	12235	504
0.55	0.75	GD/ND80	12575	518
0.75	1.00	GD/ND90S	14130	582
1.10	1.50	GD/ND90L	15500	639
1.50	2.00	GD/ND100L	19805	816
2.20	3.00	GD/ND112M	23660	975
3.00	4.00	GD/ND132S	34570	1424
3.70	5.00	GD/ND132S	36170	1490
5.50	7.50	GD/ND132M	40345	1662
7.50	10.00	ND160M	65245	2688
9.30	12.50	ND160L	77170	3179
11.00	15.00	ND160L	81240	3347
15.00	20.00	ND180L	113145	4662
18.50	25.00	ND200L	145755	6005
22.00	30.00	ND200L	158195	6518
30.00	40.00	ND225M	247465	10196
37.00	50.00	ND250M	331225	13646
45.00	60.00	ND280S	424760	17500
55.00	75.00	ND280M	481920	19855
75.00	100.00	ND315S	592390	24406
90.00	120.00	ND315M	741270	30540
110.00	150.00	ND315M	826550	34054
125.00	170.00	ND315L	900945	37119
132.00	180.00	ND315L	964910	39754
150.00	200.00	ND315LX	996620	41061
160.00	215.00	ND315LX	1004715	41394
180.00	240.00	ND355L	1108110	45654
200.00	270.00	ND355LX	1150750	47411
225.00	300.00	ND355LX	1195470	49253
250.00	335.00	ND355LX	1240240	51098
275.00	370.00	ND355LX	1435530	59144
#315.00	415.00	ND355LX	1974465	81348

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD/ND90S	13570	559
0.55	0.75	GD/ND90L	14875	613
0.75	1.00	GD/ND100L	18300	754
1.10	1.50	GD/ND100L	22295	919
1.50	2.00	GD/ND112M	25805	1063
2.20	3.00	GD/ND132S	34220	1410
3.00	4.00	GD/ND132M	51605	2126
3.70	5.00	GD/ND132M	53350	2198
5.50	7.50	ND160M	65290	2690
7.50	10.00	ND160L	82355	3393
9.30	12.50	ND180M	109765	4522
11.00	15.00	ND180L	115725	4768
15.00	20.00	ND200L	163030	6717
18.50	25.00	ND225S	209205	8619
22.00	30.00	ND225M	251490	10361
30.00	40.00	ND250M	339605	13992
37.00	50.00	ND280S	434020	17882
45.00	60.00	ND280M	501470	20661
55.00	75.00	ND315S	607680	25036
75.00	100.00	ND315M	754545	31087
90.00	120.00	ND315L	855415	35243
110.00	150.00	ND315LX	905565	37309
125.00	170.00	ND315LX	994960	40992
132.00	180.00	ND315LX	1049215	43228
150.00	200.00	ND355L	1106870	45603
160.00	215.00	ND355LX	1219020	50224
180.00	240.00	ND355LX	1250700	51529
#225.00	300.00	ND355LX	1912755	78806

Note : # This rating is suitable for 45°C Amb. / 75 °C Temp. rise
GD frame motors, Terminal box will be on top for B35 Motors
Note : For eff2 efficiency, please refer IE1 prices.

(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS

Enclosure conforming to protection IP 55, Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 10% 3 Phase 50Hz +/- 5% AC supply with 40 C ambient, Class "F" Insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l

OUTPUT				
KW	HP	POLE	FRAME	PRICE
315*	425	6	NG355LX	Refer to branch
350#@	470	6	NG355LX	Refer to branch
225*	300	8	NG355LX	Refer to branch
250#	335	8	NG355LX	Refer to branch

Suitable for 40 degree ambient

* Suitable for 50 degree ambient

@ Class F rise

AC MOTORS

SLIP RING



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TOTALLY ENCLOSED FAN COOLED SLIPRING INDUCTION MOTORS

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 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 IS 325

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.00	4.00	DW132S	86545	3566
3.70	5.00	DW132S	88530	3647
5.50	7.50	DW132S	90365	3723
5.50	7.50	DW132M	109800	4524
7.50	10.00	NDW160M	119670	4930
11.00	15.00	NDW160L	149755	6170
15.00	20.00	NDW180L	198255	8168
18.50	25.00	NDW200L	228075	9397
22.00	30.00	NDW200L	253400	10440
30.00	40.00	NDW225M	313020	12896
37.00	50.00	NDW250M	429230	17684
45.00	60.00	NDW250M	513065	21138
55.00	75.00	NDW280S	565450	23297
75.00	100.00	NDW280M	627860	25868
90.00	120.00	NDW315S	782725	32248
110.00	150.00	NDW315M	904450	37263
125.00	170.00	NDW315LX	994855	40938
132.00	180.00	NDW315LX	1048660	43205
150.00	200.00	NDW315LX	1189810	49020
160.00	215.00	NDW315LX	1215440	50076
180.00	240.00	NDW355L	1285905	52979
200.00	270.00	NDW355L	1428790	58866
225.00	300.00	NDW355LX	1505595	62031
250.00	335.00	NDW355LX	1524285	62801
275.00	370.00	NDW355LX	1616530	66601

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
2.20	3.00	DW132S	89380	3682
3.00	4.00	DW132S	94030	3874
3.70	5.00	DW132M	98785	4070
5.50	7.50	NDW160M	120480	4964
7.50	10.00	NDW160L	150330	6194
11.00	15.00	NDW180L	195185	8042
15.00	20.00	NDW200L	254825	10499
18.50	25.00	NDW225M	328590	13538
22.00	30.00	NDW225M	392650	16177
30.00	40.00	NDW250M	519310	21396
37.00	50.00	NDW280S	587960	24224
45.00	60.00	NDW280M	638855	26321
55.00	75.00	NDW315S	712425	29352
75.00	100.00	NDW315M	899865	37074
90.00	120.00	NDW315LX	997805	41110
110.00	150.00	NDW315LX	1184310	48794
125.00	170.00	NDW315LX	1286065	52986
132.00	180.00	NDW315LX	1358060	55952
150.00	200.00	NDW355LX	1378745	56804
160.00	215.00	NDW355LX	1470655	60591
180.00	240.00	NDW355LX	1562540	64377
*200.00	270.00	NDW355LX	1692750	69741

Note : Position of Terminal Box on Top

*Rotor with class F temperature rise



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TOTALLY ENCLOSED FAN COOLED SLIPRING INDUCTION MOTORS

Enclosure conforming to protection IP 55 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 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 IS 325

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.00	4.00	NDW160M	128860	5309
3.70	5.00	NDW160M	133455	5498
5.50	7.50	NDW160L	149585	6163
7.50	10.00	NDW180L	203440	8382
11.00	15.00	NDW200L	266525	10981
15.00	20.00	NDW225M	342720	14120
18.50	25.00	NDW225M	396355	16330
22.00	30.00	NDW250M	517335	21314
30.00	40.00	NDW280S	596865	24591
37.00	50.00	NDW280M	684600	28206
45.00	60.00	NDW315S	841505	34670
55.00	75.00	NDW315M	973930	40126
75.00	100.00	NDW315LX	1072170	44173
90.00	120.00	NDW315LX	1268150	52248
110.00	150.00	NDW355LX	1350650	55647
125.00	170.00	NDW355LX	1502415	61899
132.00	180.00	NDW355LX	1543620	63597
150.00	200.00	NDW355LX	1653605	68129
160.00	215.00	NDW355LX	1675475	69030

Note: Position of Terminal Box on Top

AC MOTORS

SPDP SLIP RING



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

SCREEN PROTECTED DRIP PROOF SLIPRING INDUCTION MOTORS

Enclosure conforming to protection IP 21/23 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 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 IS 325

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
7.50	10.00	CW160M	104025	4286
11.00	15.00	CW160L	111460	4592
15.00	20.00	CW180M	138475	5705
18.50	25.00	CW180M	164010	6757
22.00	30.00	CW180L	176285	7263
30.00	40.00	CW200M	215820	8892
37.00	50.00	CW200L	226980	9352
45.00	60.00	CW225M	298705	12307
55.00	75.00	CW250S	402700	16591
75.00	100.00	CW250S	422835	17421
90.00	120.00	CW250MX	515480	21238
110.00	150.00	CW280M	576255	23742
125.00	170.00	CW280MX	626035	25793
132.00	180.00	CW280MX	672340	27700
150.00	200.00	CW315S	748465	30837
160.00	215.00	CW315M	777970	32052
180.00	240.00	CW315MX	838030	34527
200.00	270.00	CW315MX	955080	39349
225.00	300.00	CW315MX	1080840	44531
250.00	335.00	CW355L	1312555	54077
275.00	369.00	CW355L	1387040	57146
300.00	402.00	CW355L	1445990	59575
325.00	435.00	CW355L	1473585	60712
350.00	470.00	CW355L	1566435	64537

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
5.50	7.50	CW160M	107240	4418
7.50	10.00	CW160L	114495	4717
11.00	15.00	CW180M	160770	6624
15.00	20.00	CW180L	177190	7300
18.50	25.00	CW200M	221490	9125
22.00	30.00	CW200L	233395	9616
30.00	40.00	CW225M	311915	12851
37.00	50.00	CW225M	334795	13794
45.00	60.00	CW250S	435120	17927
55.00	75.00	CW250M	485090	19986
75.00	100.00	CW280S	590335	24322
90.00	120.00	CW280M	690105	28432
110.00	150.00	CW315S	806340	33221
125.00	170.00	CW315MX	904495	37265
132.00	180.00	CW315MX	928245	38244
150.00	200.00	CW315MX	1014125	41782
160.00	215.00	CW315MX	1028730	42384
180.00	240.00	CW355L	1311380	54029
200.00	270.00	CW355L	1342670	55318
225.00	300.00	CW355L	1386105	57108
250.00	335.00	CW355L	1490045	61390
275.00	369.00	CW355L	1604800	66118

Note : Position of Terminal box on RHS when viewed from DE

AC MOTORS

SPDP SLIP RING



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

SCREEN PROTECTED DRIP PROOF SLIPRING INDUCTION MOTORS

Enclosure conforming to protection IP 21/23 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on 415V +/- 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 IS 325

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.70	5.00	CW160M	109455	4510
5.50	7.50	CW160L	116575	4803
7.50	10.00	CW180M	160840	6627
11.00	15.00	CW180L	188350	7760
15.00	20.00	CW200M	227895	9389
18.50	25.00	CW200L	239610	9872
22.00	30.00	CW225M	315400	12994
30.00	40.00	CW225M	350125	14425
37.00	50.00	CW250S	441525	18191
45.00	60.00	CW250M	506860	20883
55.00	75.00	CW280S	601695	24790
75.00	100.00	CW280M	657155	27075
90.00	120.00	CW315S	837315	34497
110.00	150.00	CW315MX	906100	37331
125.00	170.00	CW355L	953695	39292
132.00	180.00	CW355L	1007090	41492
150.00	200.00	CW355L	1250425	51518
160.00	215.00	CW355L	1408755	58041
180.00	240.00	CW355L	1491015	61430
200.00	270.00	CW355L	1613360	66470

OUTPUT		10 POLE : 600 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
110.00	150.00	CW315MX	1349095	55583
125.00	170.00	CW355L	1740945	71727
150.00	200.00	CW355L	1984605	81766
160.00	215.00	CW355L	2072165	85373
180.00	240.00	CW355L	2160640	89018

Note : Position of Terminal box on RHS when viewed from DE



LV Motors for hazardous area

0.37kW to 325kW

IEC 80 to 355LX

2 to 8 pole

Non Sparking/ Increased Safety/ Flameproof



We care for your safety..

- Tested as per the latest IEC60079
- Available for gas group I, IIA, IIB & IIC
- Less noise and vibration
- Available with IE2 efficiency
- Available up to T6 temperature class
- Slip ring Flameproof motors are available on request

Coal mines



Chemicals



Oil & gas



CERTIFICATION



DGMS

AC MOTORS

FLAMEPROOF - FOOT MOUNTED



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAMEPROOF 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 45°C ambient, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 2148 Motors are suitable for Temperature class T4.

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	20670	852
0.55	0.75	E80	23120	953
0.75	1.00	E80	23820	981
1.10	1.50	E90L	26620	1097
1.50	2.00	E90L	29780	1227
2.20	3.00	E90L	37230	1534
3.70	5.00	E100L	47290	1948
5.50	7.50	E112M	67145	2766
7.50	10.00	E132M	74055	3051
9.30	12.50	E132M	105555	4349
9.30	12.50	E160L	130020	5357
11.00	15.00	E160L	130020	5357
15.00	20.00	E160L	157775	6500
18.50	25.00	E160L	179505	7396
22.00	30.00	E180L	212045	8736
30.00	40.00	E200L	286190	11791
37.00	50.00	E200L	371340	15299
45.00	60.00	E225M	469285	19335
55.00	75.00	E250M	576125	23736
75.00	100.00	E280M	771270	31776
90.00	120.00	E280M	799170	32926
110.00	150.00	E315M	961475	39613
125.00	170.00	E315M	1128455	46492
132.00	180.00	E315M	1139980	46967
150.00	200.00	E315L	1252655	51609
160.00	215.00	E315L	1292515	53252
180.00	240.00	E315L	1549585	63843
200.00	270.00	E315L	1935395	79738
225.00	300.00	E355LX	2419250	99673
250.00	335.00	E355LX	2540210	104657
275.00	370.00	E355LX	2667215	109889
315.00	425.00	E355LX	2800595	115385
325.00	435.00	E355LX	3087645	127211

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	20310	837
0.55	0.75	E80	22420	924
0.75	1.00	E80	23300	960
1.10	1.50	E90L	26620	1097
1.50	2.00	E90L	28910	1191
2.20	3.00	E100L	36775	1515
3.70	5.00	E112M	46600	1920
5.50	7.50	E132M	64100	2641
7.50	10.00	E132M	73005	3008
9.30	12.50	E160L	111695	4602
11.00	15.00	E160L	118010	4862
15.00	20.00	E160L	143800	5925
18.50	25.00	E180L	162595	6699
22.00	30.00	E180L	193260	7962
30.00	40.00	E200L	260390	10728
37.00	50.00	E225S	339160	13973
45.00	60.00	E225M	426970	17591
55.00	75.00	E250M	524535	21611
75.00	100.00	E280M	673420	27745
90.00	120.00	E280M	686480	28283
110.00	150.00	E315M	852040	35104
125.00	170.00	E315M	980650	40403
132.00	180.00	E315M	1021495	42086
150.00	200.00	E315L	1061930	43752
160.00	215.00	E315L	1072680	44194
180.00	240.00	E315L	1283980	52900
200.00	270.00	E315L	1545745	63685
225.00	300.00	E355LX	2043290	84184
250.00	335.00	E355LX	2105490	86746
275.00	370.00	E355LX	2154030	88746
315.00	425.00	E355LX	2365380	97454
325.00	435.00	E355LX	2483625	102325

Note : • Motors with gas group I & IIC can also be offered on request with extra price (Refer page no. 37 & 38 for charges)

• For E80, E315L & E355LX terminal box position will be on top only. (no other option available)

• Gas group IIC is not available for E315L frame

• For E80 & E355LX-DGMS certificate is not available



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAMEPROOF 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 45°C ambient, Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 2148. Motors are suitable for Temperature class - T4

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	23630	974
0.55	0.75	E80	24190	997
0.75	1.00	E90L	28175	1161
1.10	1.50	E90L	29070	1198
1.50	2.00	E100L	42020	1731
2.20	3.00	E112M	48845	2012
3.70	5.00	E132M	64790	2669
5.50	7.50	E132M	78430	3231
7.50	10.00	E160L	121395	5001
9.30	12.50	E160L	140270	5779
11.00	15.00	E160L	148665	6125
15.00	20.00	E180L	198670	8185
18.50	25.00	E200L	247015	10177
22.00	30.00	E200L	267970	11040
30.00	40.00	E225M	439350	18101
37.00	50.00	E250M	539530	22229
45.00	60.00	E280M	655635	27012
55.00	75.00	E280M	707235	29138
75.00	100.00	E315M	861170	35480
90.00	120.00	E315M	1009835	41605
110.00	150.00	E315L	1107160	45615
125.00	170.00	E315L	1310025	53973
132.00	180.00	E315L	1341995	55290
150.00	200.00	E315L	1570425	64702
160.00	215.00	E355LX	1690860	69663
180.00	240.00	E355LX	1842930	75929
200.00	270.00	E355LX	1939930	79925
225.00	300.00	E355LX	2036975	83923
250.00	335.00	E355LX	2159125	88956
275.00	370.00	E355LX	2267090	93404

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E90L	27670	1140
0.55	0.75	E90L	29960	1234
0.75	1.00	E100L	36235	1493
1.10	1.50	E100L	42190	1738
1.50	2.00	E112M	50605	2085
2.20	3.00	E132M	66880	2755
3.70	5.00	E132M	108220	4459
5.50	7.50	E160L	124245	5119
7.50	10.00	E160L	151550	6244
9.30	12.50	E180L	192635	7937
11.00	15.00	E180L	202910	8360
15.00	20.00	E200L	274290	11301
18.50	25.00	E225S	340525	14030
22.00	30.00	E225M	448180	18465
30.00	40.00	E250M	550450	22679
37.00	50.00	E280M	706385	29103
45.00	60.00	E280M	721395	29721
55.00	75.00	E315M	878965	36213
75.00	100.00	E315M	1029485	42415
90.00	120.00	E315L	1126815	46425
110.00	150.00	E315L	1409370	58066
132.00	180.00	E355LX	1580365	65111
160.00	215.00	E355LX	1795295	73966
180.00	240.00	E355LX	1885055	77664
200.00	270.00	E355LX	2054715	84654

- Note :
- Motors with gas group I & IIC can also be offered on request with extra price (Refer page no. 37 & 38 for charges)
 - For E80, E315L & E355LX terminal box position will be on top only. (no other option available)
 - Gas group IIC is not available for E315L frame
 - For E80 & E355LX-DGMS certificate is not available

AC MOTORS

FLAMEPROOF FLANGE & FOOT CUM FLANGE



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAMEPROOF INDUCTION MOTORS- FLANGE (Any Other Mounting than B3)

Enclosure conforming to protection IP 55 , Flange Mounted (Any mounting other than B3),continuously rated (S1) suitable for operation on 415 +/- 10% V, 3 Phase 50Hz +/- 5% AC supply with 45°C ambient,Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 2148 . Motors are suitable for Temperature class T4 .

OUTPUT		2 POLE : 3000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	21285	877
0.55	0.75	E80	23820	981
0.75	1.00	E80	24520	1010
1.10	1.50	E90L	27405	1129
1.50	2.00	E90L	30660	1263
2.20	3.00	E90L	38320	1579
3.70	5.00	E100L	48690	2006
5.50	7.50	E112M	69155	2849
7.50	10.00	E132M	76290	3143
9.30	12.50	E132M	108735	4480
9.30	12.50	E160L	133945	5519
11.00	15.00	E160L	133945	5519
15.00	20.00	E160L	162520	6696
18.50	25.00	E160L	184890	7617
22.00	30.00	E180L	222655	9173
30.00	40.00	E200L	300510	12381
37.00	50.00	E200L	389915	16064
45.00	60.00	E225M	492735	20301
55.00	75.00	E250M	604915	24922
75.00	100.00	E280M	809810	33364
90.00	120.00	E280M	839120	34572
110.00	150.00	E315M	1009555	41594
125.00	170.00	E315M	1184860	48816
132.00	180.00	E315M	1196975	49315
150.00	200.00	E315L	1315305	54191
160.00	215.00	E315L	1357130	55914
180.00	240.00	E315L	1627050	67034
200.00	270.00	E315L	2032180	83726

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	20935	863
0.55	0.75	E80	23070	950
0.75	1.00	E80	23990	988
1.10	1.50	E90L	27405	1129
1.50	2.00	E90L	29755	1226
2.20	3.00	E100L	37875	1560
3.70	5.00	E112M	47980	1977
5.50	7.50	E132M	66020	2720
7.50	10.00	E132M	75190	3098
9.30	12.50	E160L	115035	4739
11.00	15.00	E160L	121555	5008
15.00	20.00	E160L	148095	6102
18.50	25.00	E180L	170715	7033
22.00	30.00	E180L	202930	8361
30.00	40.00	E200L	273420	11265
37.00	50.00	E225S	356140	14673
45.00	60.00	E225M	448320	18471
55.00	75.00	E250M	550770	22692
75.00	100.00	E280M	707095	29132
90.00	120.00	E280M	720825	29698
110.00	150.00	E315M	894620	36858
125.00	170.00	E315M	1029695	42423
132.00	180.00	E315M	1072575	44190
150.00	200.00	E315L	1115025	45939
160.00	215.00	E315L	1126335	46405
180.00	240.00	E315L	1348185	55545
200.00	270.00	E315L	1623045	66869

- Note : • Motors with gas group I & IIC can also be offered on request with extra price (Refer page no. 37 & 38 for charges)
 • For E80, E315L & E355LX terminal box position will be on top only. (no other option available)
 • Gas group IIC is not available for E315L frame
 • For E80 & E355LX-DGMS certificate is not available



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

IE1

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE FLAMEPROOF INDUCTION MOTORS- FLANGE (Any Other Mounting than B3)

Enclosure conforming to protection IP 55 . Flange Mounted (Any mounting other than B3),continuously rated (S1) suitable for operation on 415 +/- 10% V, 3 Phase 50Hz +/- 5% AC supply with 45°C ambient,Class "F" insulation with temperature rise limited to Class "B" and altitude, less than 1000 m above m.s.l. conforming to IS 2148 . Motors are suitable for Temperature class T4 .

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E80	24350	1003
0.55	0.75	E80	24890	1025
0.75	1.00	E90L	29045	1197
1.10	1.50	E90L	29945	1234
1.50	2.00	E100L	43280	1783
2.20	3.00	E112M	50310	2073
3.70	5.00	E132M	66730	2749
5.50	7.50	E132M	80795	3329
7.50	10.00	E160L	125030	5151
9.30	12.50	E160L	144470	5952
11.00	15.00	E160L	153140	6309
15.00	20.00	E180L	208600	8594
18.50	25.00	E200L	259375	10686
22.00	30.00	E200L	281390	11593
30.00	40.00	E225M	461335	19007
37.00	50.00	E250M	566530	23341
45.00	60.00	E280M	688430	28363
55.00	75.00	E280M	742585	30595
75.00	100.00	E315M	904235	37254
90.00	120.00	E315M	1060310	43685
110.00	150.00	E315L	1162515	47896
125.00	170.00	E315L	1375545	56672
132.00	180.00	E315L	1409090	58055
150.00	200.00	E315L	1648940	67936

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	E90L	28515	1175
0.55	0.75	E90L	30850	1271
0.75	1.00	E100L	37345	1539
1.10	1.50	E100L	43475	1791
1.50	2.00	E112M	52110	2147
2.20	3.00	E132M	68900	2839
3.70	5.00	E132M	111440	4591
5.50	7.50	E160L	127965	5272
7.50	10.00	E160L	156100	6431
9.30	12.50	E180L	202240	8332
11.00	15.00	E180L	213050	8778
15.00	20.00	E200L	288025	11867
18.50	25.00	E225S	357560	14731
22.00	30.00	E225M	470590	19388
30.00	40.00	E250M	577955	23812
37.00	50.00	E280M	741705	30558
45.00	60.00	E280M	757470	31208
55.00	75.00	E315M	922915	38024
75.00	100.00	E315M	1080980	44536
90.00	120.00	E315L	1183165	48746
110.00	150.00	E315L	1479825	60969

Note : • Motors with gas group I & IIC can also be offered on request with extra price (Refer page no. 37 & 38 for charges)
 • For E80, E315L & E355LX terminal box position will be on top only. (no other option available)
 • Gas group IIC is not available for E315L frame
 • For E80 & E355LX-DGMS certificate is not available



Note



Special application Motors

0.25kW to 375kW

IEC 63 to 315 LX

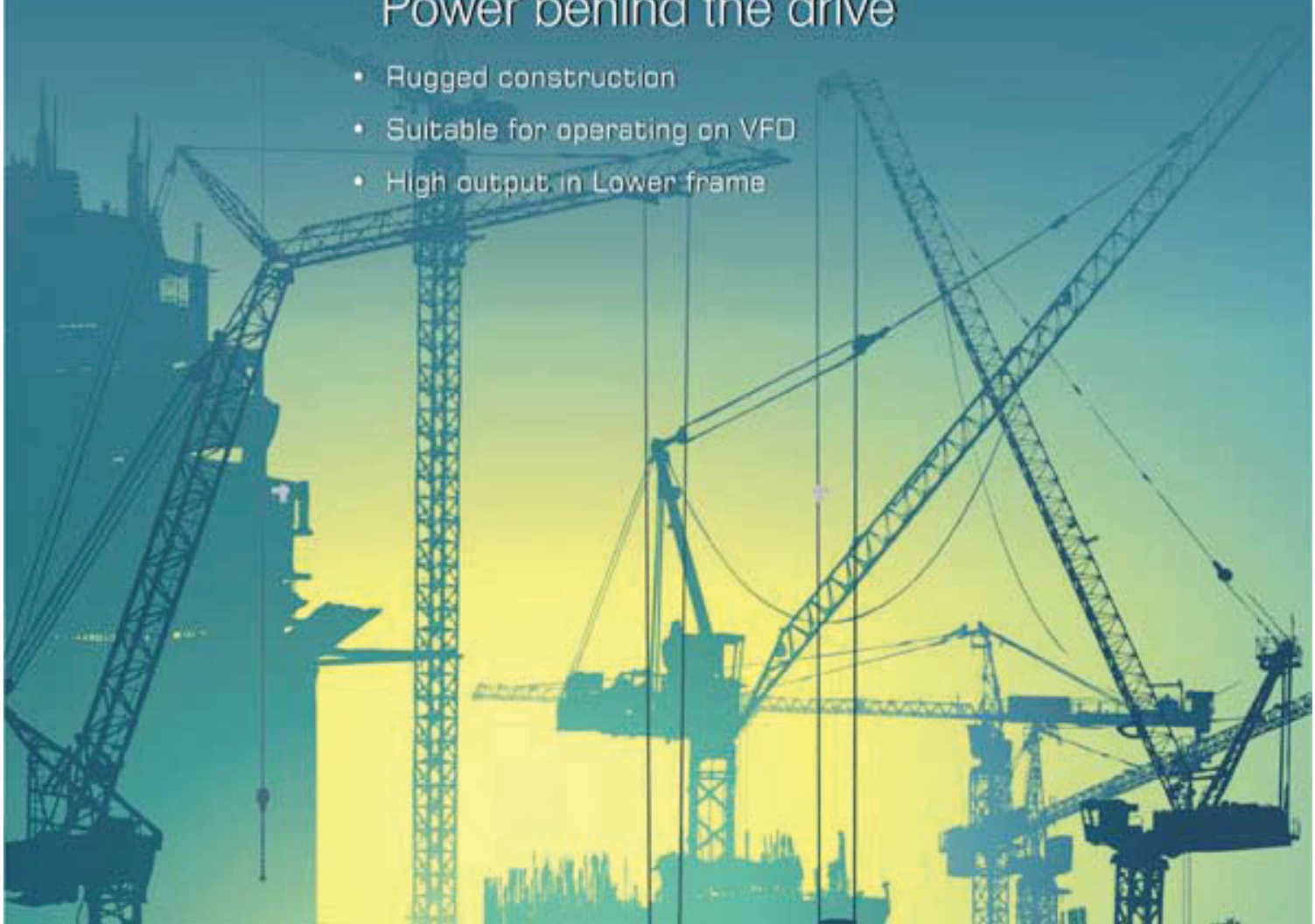
4 to 10 POLE

Crane Duty / Textile Application
(Squirrel cage / Slip Ring)



Power behind the drive

- Rugged construction
- Suitable for operating on VFD
- High output in Lower frame





(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TOTALLY ENCLOSED FAN COOLED 3 PHASE SQUIRREL CAGE CRANE DUTY MOTORS

MOUNTING : FOOT
 VOLTAGE : 415 VOLTS $\pm$ 10%
 FREQUENCY : 50 Hzs. $\pm$ 5%
 COMBINED : 10% (ABSOLUTE SUM)

PROTECTION : IP 55
 RATING : S3/S4 (AS PER IS 325-1996)
 DUTY : INTERMITTENT
 INSULATION : CLASS F, TEMP RISE-CLASS B
 AMBIENT : 45°C

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.25	0.33	GD63	10345	426
0.55	0.75	GD71	10975	452
0.75	1.00	ND80	12215	503
1.10	1.50	ND80	12215	503
1.50	2.00	ND90S	13465	555
2.20	3.00	ND90L	14715	606
3.70	5.00	ND100L	19835	817
5.50	7.50	ND112M	24855	1024
7.50	10.00	ND132S	34245	1411
9.30	12.50	ND132M	40020	1649
11.00	15.00	ND160M	62340	2568
15.00	20.00	ND160M	62340	2568
18.50	25.00	ND160L	79435	3273
22.50	30.00	ND180M	111050	4575
27.00	36.00	ND180L	119450	4921
37.00	50.00	ND200L	159370	6566
40.00	53.33	ND225S	206925	8525
45.00	60.00	ND225M	250805	10333

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.37	0.50	GD71	12035	496
0.55	0.75	ND80	12940	533
0.75	1.00	ND80	12940	533
1.10	1.50	ND90S	13875	572
1.50	2.00	ND90L	16055	661
2.20	3.00	ND100L	20970	864
3.70	5.00	ND112M	24950	1028
5.50	7.50	ND132S	36710	1512
7.50	10.00	ND132M	40860	1683
9.30	12.50	ND160M	65955	2717
11.00	15.00	ND160M	77900	3209
15.00	20.00	ND160L	77900	3209
18.50	25.00	ND180L	118735	4892
22.00	30.00	ND200L	153430	6321
30.00	40.00	ND225M	214120	9937

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.30	0.40	ND90S	14240	587
0.60	0.80	ND90L	16045	661
1.30	1.73	ND100L	19310	796
1.90	2.53	ND112M	27145	1118
2.20	3.00	ND132S	36015	1484
3.20	4.27	ND132M	56775	2339
5.00	8.00	ND160M	69210	2851
7.00	9.33	ND160L	90105	3712
10.60	14.13	ND180L	127735	5263
14.50	19.33	ND200L	180915	7454
20.80	27.73	ND225M	263435	10854



Note : Position of Terminal box on RHS when viewed from DE

*For other ratings, please refer page no. 38, Section 5.4 for pricing guideline.



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TOTALLY ENCLOSED FAN COOLED 3 PHASE SLIPRING CRANE DUTY MOTORS

MOUNTING : FOOT
 VOLTAGE : 415 VOLTS $\pm$ 10%
 FREQUENCY : 50 Hzs. $\pm$ 5%
 COMBINED : 10% (ABSOLUTE SUM)

PROTECTION : IP 55
 RATING : S3/S4 (AS PER IS 325-1996)
 DUTY : INTERMITTENT
 INSULATION : CLASS F, TEMP RISE-CLASS B
 AMBIENT : 45°C

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
1.80	2.41	NDW112M	63360	2610
2.60	3.50	DW132S	83445	3438
4.50	6.03	DW132M	99710	4108
6.70	9.00	NDW160M	113130	4661
9.00	12.07	NDW160L	139925	5765
13.20	17.50	NDW180L	210610	8677
17.60	23.60	NDW200L	276910	11409
24.60	33.00	NDW225S	342490	14111
30.50	41.00	NDW225M	422660	17414
36.00	48.28	NDW250S	528330	21767
42.00	56.32	NDW250M	637645	26271
53.50	71.74	NDW280S	701380	28897
66.50	89.18	NDW280M	819800	33776
93.00	126.00	NDW315S	980115	40381
116.00	156.00	NDW315M	1111280	45785

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.00	0.00	NDW112W	67515	2782
1.70	2.30	DW132S	89640	3693
2.50	3.40	DW132M	120435	4962
4.80	6.40	NDW160M	130465	5375
6.70	9.00	NDW160L	162510	6695
9.30	12.50	NDW180L	218085	8985
13.50	18.00	NDW200L	284205	11709
20.20	27.20	NDW225S	369465	15222
26.00	35.00	NDW225M	422660	17414
31.50	42.20	NDW250S	514650	21204
37.00	50.00	NDW250MX	640910	26405
48.00	64.00	NDW280S	715955	29497
59.00	79.00	NDW280M	779720	32124
72.00	96.00	NDW315S	1045695	43083
86.00	115.30	NDW315M	1134970	46761

OUTPUT		10 POLE : 600 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
15.00	20.00	NDW225S	346690	14284
18.50	25.00	NDW225M	406280	16739
22.00	30.00	NDW250M	511930	21092
38.00	51.00	NDW280S	774270	31900
46.50	62.00	NDW280M	847140	34902
60.00	80.00	NDW315S	1078500	44434
66.00	88.00	NDW315M	1130055	46558

Note : Position of Terminal box on Top

AC MOTORS

AC TEXTILE MOTORS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

CONFORMING TO EFF-2 LEVEL AS PER 'IS' OR HIGHER

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 IS 325 with clean flow construction.

TOTALLY ENCLOSED (TE) SQUIRREL CAGE INDUCTION MOTORS FOR LOOM/WEAVING APPLICATION

TERMINAL BOX ON RHS, 3 LEAD, STAR CONNECTED

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.75	1.00	NR90L	17875	736
1.1	1.50	R112M	20780	856
1.5	2.00	R112M	23870	983

OUTPUT		8 POLE : 750 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
0.75	1.00	R112M	18230	751
1.10	1.50	R112M	24070	992
1.50	2.00	R132M	50040	2061

TOTALLY ENCLOSED (TE) SQUIRREL CAGE INDUCTION MOTORS FOR CARD APPLICATION

TERMINAL BOX ON TOP, 3 LEAD, STAR CONNECTED

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
1.10	1.50	NR112M	13580	559
1.50	2.00	NR112M	25110	1035
2.20	3.00	NR132S	30505	1257

TOTALLY ENCLOSED FAN COOLED SQUIRREL CAGE INDUCTION MOTORS FOR GINNING APPLICATION*

TERMINAL BOX ON RHS.

100 FRAME WITH 3 LEAD, STAR CONNECTED & OTHERS, 6 LEAD, DELTA CONNECTED

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
2.20	3.00	ND100L	18870	777
3.00	4.00	ND112M	24195	997
3.70	5.00	ND132S	29780	1227
5.50	7.50	ND132S	33730	1390
7.50	10.00	ND132M	38935	1604

CONE MOTOR : EFF1 AS PER IS:12615/IE2 AS PER IEC 60034-30

TERMINAL BOX ON TOP, 6 LEAD DELTA CONNECTED

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.70	5.00	ND112M	26870	1107

Note : *Ginning Motor are also available with IE2/IE3 efficiency on request

AC MOTORS

AC TEXTILE MOTORS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

**RING FRAME, TEXTILE MOTOR : TB TOP, AMBIENT :45°C, RISE 75°C , EFF-1 AS PER IS12615
ROLLER BEARING AT DE FOR 160 FR. AND ABOVE TO SUSTAIN HIGHER RADIAL LOAD**

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.70	5.00	ND112M	27105	1117
5.50	7.50	ND132S	37155	1531
7.50	10.00	ND132M	43525	1793
9.30	12.50	ND160M	68775	2834
11.00	15.00	ND160M	70925	2922
13.00	17.50	ND160L	85790	3535
15.00	20.00	ND160L	88150	3632
18.50	25.00	ND180M	124140	5115
22.00	30.00	ND180L	132270	5450
30.00	40.00	ND200L	178430	7351
37.00	50.00	ND225S	229450	9453
45.00	60.00	ND225M	278115	11458

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.70	5.00	ND132S	39560	1630
5.50	7.50	ND132M	44140	1819

TB POSITION : Side available on request suitable for Draw frames,
Speed frames, Spinning frames and Doubling frames

EFF 1
IS 12615

AC MOTORS

LIFT DUTY (DOUBLE CIRCUIT)



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

LIFT DUTY (DOUBLE CIRCUIT VENTILATED - DCV) IP23 SQUIRREL CAGE INDUCTION MOTORS

Enclosure conforming to protection IP 23 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on: 415V +/- 10%
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. confirming to IS 7358

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
2.20	3.00	NC100L	17345	715
3.70	5.00	NC112M	22135	912
5.50	7.50	NC132S	29490	1215
7.50	10.00	NC132M	35630	1468

OUTPUT		6 POLE : 1000 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
2.20	3.00	NC112M	22430	924
3.70	5.00	NC132S	33295	1372
5.50	7.50	NC132M	34695	1429

THRESHER MOTOR

Enclosure conforming to protection IP 54 Horizontal Foot Mounted (B3), continuously rated (S1) suitable for operation on: 415 +/- 10%V,
3 Phase 50Hz +/- 5% AC supply with Class "F" insulation 40°C ambient upto 132 frame, and altitude less than 1000 m above m.s.l.
confirming to IS 7358

OUTPUT		4 POLE : 1500 RPM		
KW	HP	FRAME	PRICE	EX. DUTY
3.70	5.00	ND132S	30225	1245
5.50	7.50	ND132M	33540	1382



USTAD

Robust and Reliable...



LV AC Alternators..

Slip Ring

3 Phase 415 V, 50 Hz
5kVA to 82.5 kVA
1 phase 230 V, 50 Hz
5 kVA to 25 kVA

Brushless

3 Phase 415 V, 50 Hz
5kVA to 1010 kVA
1 phase 230 V, 50 Hz
5 kVA to 63 kVA

CE



Adding power to life...

- Compact, Light in weight
- More efficient
- Better voltage regulation
- Single/double bearing option

Application

- Marine & Defense
- Commercial lightings
- Agriculture
- Telecom



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

CG Alternators - Brushless Type - 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 +/-1%, Single Bearing suitable for operations upto 40 Deg C Ambient Temperature & 1000 mtr altitude, temperature rise limited to class 'H' limits

3 Phase, 415 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G1R132MR	63782	3068
7.5	G1R132MA	64706	3132
10	G1R132MC	67835	3284
12.5	G1R160S1A	72335	3502
15	G1R160S1B	80372	3891
20	G1R160SB	94052	4553
25	G1R160SC	107136	5186
30	G1R160M2A	121716	5892
35	G1R200SE	131597	6371
40	G1R200SE	142454	6896
45	G1R200SA	155694	7537
50	G1R200SB	161606	7823
63	G1R200SC	190071	9201
75	G1R200MB	208782	10107
82.5	G1R200MD	213182	10320
90	G1R200MDX	251428	12172
100	G1R250SB	252294	12214
110	G1R250SD	266574	12905
125	G1R250SD	278179	13467
140	G1R250MA	305613	14795
160	G1R250MB	332124	16078
180	G1R250LB	349351	16912
200	G1R250LD	372185	18017
225	G1R315SE	407054	19705
250	G1R315SE	438344	21220
275	G1R315SA	467087	22612
300	G1R315SB	499553	24183

110 KVA AND 225 KVA 3 PH ALSO AVAILABLE, PLEASE CHECK WITH WORKS.

These alternators are also available in Double Bearing Constructions.

22.5, 17.5 kVA are available on large enquiries

3 Phase, 415 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
320	G1R315SB	526775	25501
380	G1R315MB	605451	29310
400	G1R355SB	658712	31888
437.5	G1R355SE	681366	32985
450	G1R355SE	700770	33924
500	G1R355SE	763623	36967
550	G1R355ME	832666	40309
600	G1R355MA	905021	43812
625	G1R355MA	919147	44496
650	G1R355MB	1026316	49684
670	G1R355MB	1230903	59586
750	G1R400SC	1377876	66703
1010	G1R400MA	1643994	79586

1 Phase, 240 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G1R132MA	63217	3060
7.5	G1R160S1E	72534	3511
10	G1R160S1B	81034	3923
12.5	G1R160S2B	94500	4575
15	G1R160S2C	106985	5179
17.5	G1R160M1C	116330	5632
20	G1R160M2A	122294	5920
25	G1R200SF	144264	6984
30	G1R200SA	158766	7686
35	G1R200SC	180170	8722
40	G1R200SD	196014	9489
45	G1R200MB	222524	10772
50	G1R200MDX	249033	12056
63	G1R250SD	300433	14544

ALTERNATORS

BRUSHLESS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

CG Alternators - 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, temperature rise limited to class 'H' limits

3 Phase, 415 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G1R132MR/2	62910	3045
7.5	G1R132MA/2	64397	3117
10	G1R132MC/2	67517	3268
12.5	G1R160S1A/2	71994	3485
15	G1R160S1A/2	79992	3872
20	G1R160SB/2	94500	4575
25	G1R160SC/2	107650	5211
30	G1R160MA/2	122294	5920

1 Phase, 240 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G1R132MR/2	63175	3058
6.0	G1R132MA/2	67148	3251
7.5	G1R132MC/2	72530	3511
10.0	G1R160S1A/2	80262	3865
12.5	G1R160SB/2	94505	4575
15.0	G1R160SC/2	106985	5179

These Alternators are also available in Double Bearing construction.
#Minimum order quantity 10no.

CG - Dual Regulation Alternator - Brushless type-1500 RPM-D-series alternator for mini hydro and 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), Voltage Regulation +/-2.5%, Single Bearing suitable for operations upto 40 Deg C Ambient Temperature & 1000 mtr altitude, with H class insulation & class F temp rise

3 Phase, 415 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
12.5	G2R160SB	94371	4569
15	G2R160SB	104122	5041
20	G2R160MC	169241	8193
25	G2R160M2A	188742	9137
30	G2R200SE	208244	10081
35	G2R200SE	216406	10476
40	G2R200SB	224569	10871
50	G2R200SC	240893	11662
63	G2R200MB	242194	11725
75	G2R250SB	286400	13865
100	G2R250SD	330605	16005
110	G2R250MA	347689	16832
125	G2R250MB	368341	17831
145	G2R250LB	399911	19360
160	G2R250LD	431480	20888
180	G2R315SE	473375	22916
200	G2R315SE	515271	24944



ALTERNATORS

SLIP RING



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

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, temperature rise limited to class 'H' limits

3 Phase, 415 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G2S132MR	34230	1728
6.5	G2S132MR	34493	1741
7.5	G2S132MA	43659	2203
10	G2S132MC	49949	2521
12.5	G2S132MD	55047	2778
15	G2S160S1A	59115	2984
20	G2S160SC	78530	3963
25	G2S160M2A	85831	4332
30	G2S160M2R	96418	4866
32.5	G2S160M2R	98935	4993
35	G2S200SE	104489	5274
40	G2S200SE	111415	5623
45	G2S200SB	124068	6262
50	G2S200SB	127681	6444
63	G2S200SD	154430	7794
75	G2S200MD	172546	8708
82.5	G2S200MD	178901	9029

1 Phase, 240 V

kVA	FRAME	Price (Rs.)	EX. DUTY (Rs.)
5	G2S132MA	39407	1989
6	G2S132MC	44909	2267
7.5	G2S160S1E	48846	2465
10	G2160S1B	55577	2805
12.5	G2S160SC	68016	3433
15	G2S160M2A	80215	4048
20	G2S200SE	111301	5617

Slip ring Alternators are also available in Single Bearing construction with 3% extra charge.



ALTERNATORS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

Cash Extra's for special Features - ALTERNATIONS

1) Additional Prices for Accessories

Frame	132	160	200	250	315	355
RTD (2 per phae)	Not Offered	Not Offered	Not Offered	10000/-	20000/-	20000/-
BTD Rs. Each	Not Offered	Not Offered	Not Offered	Not Offered	10000/-	10000/-
Space Heaters	3000/-	3000/-	4000/-	4000/-	6000/-	7200/-
Thermisters (2 / Phase)	Not Offered	Not Offered	13500/-	13500/-	13500/-	16500/-
Special Epoxy Paint	5000/-	5000/-	6000/-	6000/-	13500/-	16000/-
Radio Suppression capacitor	4400/-	4400/-	4400/-	4400/-	4400/-	4400/-
AVR Suitable for Parallel Operations	1500/-	1500/-	Standard			
AVR Filter	5000/-					
Short Circuit Maintenance Kit	2400/-	2400/-	6000/-	6000/-	8000/-	8000/-

Note : RTD , BTD, Space Heaters are without controls.

DC injection facility for parallel operation is supplied as standard in alternators of 180 KVA & above.

Parallel operation with QDCT is standard in alternators of 180 KVA & above

Parallel operation without QDCT is standard in alternators of 45 KVA to 160 KVA.

2) Inspection Charge

Type Test	6000/-	6000/-	9600/-	9600/-	12000/-	15000/-
Routine Test	2400/-	2400/-	4800/-	4800/-	4800/-	6000/-

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) Taxes and duties 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)The list prices are maximum recommended prices. However, prices lower than this can be charged.
- 9) The list prices are subject to change without prior notice.



Note



DC motors

Laminated Yoke
1.2kW to 550 kW
IEC 100 to 315 Frame

Mill Duty
Frame 502 to 815 as per
AISE/MS

Solid Yoke Motors
Frame IEC 160 to 225 Frame

CE



- Spark less commutation under overloads
- Longer brush life
- Low noise and less ripple torque
- Excellent steady state and dynamic control response

Applications

- Plastic extruders
- Rolling machines
- Sugar industry
- Textile mill
- Cement industry - Roll drive, Airstreaming, Raw mill



DC MOTORS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

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 'P' 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

Rated KW	Frame ASBG	List Price Rs. Each	Ex. Duty Rs.
2.2	100S	32900	2575
3.7	100M	33950	2658
5.5	100L	39000	3053
7.5	112M	52670	4123
9.3	132S	57900	4532
11	132S	59240	4637
15	132M	71750	5617
18.75	132L	78180	6120
22.5	132L	79110	6193
30	160A	121620	9520

Rated KW	Frame ASBG	List Price Rs. Each	Ex. Duty Rs.
40	160S	134880	10558
50	160M	152480	11936
56	160M	160350	12552
60	160L	174890	13690
235	250S	552020	43212
280	250S	552160	43223
295	250S	554700	43422
325	250M	584430	45749
400	280S	715040	55973
450	280M	759610	59462

Frames 315 S/M/L also available on requirement

Solid Yoke DC Motors

Degree of Protection : IP55

Frame	Nett Price Rs. Each
AES 160U	80710
AES 160A	87390
AES 160S	104720
AES 160M	126740
AFS 180U	93390
AFS 180A	103390

Frame	Nett Price Rs. Each
AFS 180S	120070
AFS 180M	142070
AFS 225S	191430
AFS 225M	233480
AFS 225L	256790
AFS 225X	294830

Mill Duty DC Motors (Non Split Type)

Rated KW	Nett Price Rs. TENV (IP 55)	Nett Price Rs. Force Cooled (IP23)
ABS802	158820	186770
ABS803	196930	226790
ABS804	247750	286820
ABS806	362100	400210
ABS808	425620	480250
ABS810	489150	546960
ABS812	823290	907140
ABS814	975750	1073900
ABS816	1133290	1233990

Mill duty motors are conforming to AISE/IPSS standard

DC MOTORS



(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

Cash extras for Special features									
1. Additional Prices for Accessories									
Frame	100	112	132	160	180	200	225	250	280
Shaft Extension	5% of List Price								
DE Flange (AUS Frame)	3% of List Price								
RTD	Rs. 3500/-			Rs. 6500/-					
BTD	Not offered			Rs. 12000/-					
Thermistors	Rs. 1980/-			Rs. 3960/-					
Space Heater	Rs. 1375/-				Rs. 2750/-				
Blower Filter	Rs. 4400/-		Rs. 6000/-		Rs. 10000/-		Rs. 14000/-		
2. Inspection Charges									
Routine Test	Rs. 2200/-			Rs. 3300/-		Rs. 5500/-			
Type Test	Rs. 5500/-			Rs. 8000/-		Rs. 11000/-			

RTD, BTD, Space Heaters and Thermistors are without controls.

Notes :

1. List prices are valid for delivery for delivery ex-godown.
2. Excise duty, VAT / Sales Tax, Octroi and other statutory taxes, duties and levies would be charged 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 and Sales.
6. For more details contact our nearest office.



Note



Custom made LV Motors

0.18kW to 375 kW
IEC 63 to 355LX
2 Pole to 24 Pole
220 to 690 V
Squirrel cage /Slip ring
Safe Area/ Hazardous area



Challenge us with your special needs..

- Built to consultants/ Countries specifications
- Customized electrical performance
- Customized mechanical dimensions
- Built to special applications in marine, steel, power, cement, mines, transportation, etc
- Add on Accessories



- Distinctive paints of different colors, finishes, and compositions)
- Double compression cable glands
- Insulated bearing, Roller bearing, Space heaters
- Thermistor, Resistance temperature detector
- Bearing temperature detectors
- External blowers cooling
- MS/ FRP canopy
- many more...

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS**1) COMMERCIAL**

Sr. No	Description	Cash Extras
1.1	Motors dispatch under concessional excise duty a. Dispatch under CT3 bond b. Dispatch under any government project notification (Please get a prior confirmation for cash extra and suitability of notification and format of certificate from Division c. Dispatch under CT1 and ARE1 forms In the event of exemption of excise duty under any of the above, approved ARE3 or rewarehousing certificate or proof of export or any documents as required by excise authority is required within 60 days of dispatch, failure to furnish this, the excise duty will be debited to customer/dealer along with the interest and penalty	Nil As applicable - Please get a confirmation from CG sales office Nil

2) ELECTRICAL FEATURES

Sr. No	Description	Cash Extras
2.1	VOLTAGE Base voltage 415V/50Hz and 460V/50Hz Other than above voltage Dual voltage: 220Δ / 380 Y or 380Δ / 660 Y & (1: √ 3 ratio) Dual voltage : with ratio 1:2 eg. 220 / 440 Triple voltage : (220/380/440)	Nil 3% 3% 3% 3%
2.2	FREQUENCY Base frequency of 50 hz or 60 hz 50/60 Hz motors for export	No No
2.3	VARIABLE VOLTAGE /VARIABLE FREQUENCY OPERATED MOTORS: OR/AND Vacuum Pressure Impregnation Treatment (VPI) (Also Known as Power House Treatment) 63 to 132 160 to 250 280 & above 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 frame size 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 180 L	3% sub to max Rs. 3000/- 5% sub to max Rs. 3500/- Nil

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

2) All Rs. figures are to be added on nett price.

3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS

2.4	9 LEAD / 12 LEADS (Frame ND 90 to ND 250)	3 %
2.5	AMBIENT TEMPERATURE -30 TO + 65°C.	List price as per selected frame.
2.6	NON STANDARD RV/RA FOR SLIPRING MOTORS (PI take prior confirmation for RV/RA)	5 %
2.7	IE2 Efficiency Motors Frames 71 to 132 160 to 250 280 315 to 355	Refer page 2 to 5 of list price In case not in price list, please refer following price guideline over IE1 prices 15% 13% 10% 5%

3) MECHANICAL FEATURES :

Sr. No	Description	Cash Extras
3.1	MOUNTING All types of mounting other than B3 (Foot) for all types of motors. Frames 63 to 160 Frames 180 to 355 • Please refer catalogue baseline or contact CG branch office	Extra loading on Foot mounted ALP 3% 5%
3.2	FORCED COOLING ARRANGEMENT* (FRAME 160 AND ABOVE TEFC ONLY) ND 160 to ND 180 ND 200 TO 225 ND 250 ND 280 ND 315 S/M/L ND 355 * Safe Area Motors only	Rs. 6000/- Rs. 14500/- Rs. 22000/- Rs. 27000/- Rs. 30000/- Rs. 49000/-
3.3	CI FANS (160 & Above)	No Extra
3.4	SPECIAL FIXING DIMENSIONS OTHER THAN IS 1231/2223. 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	15% of ALP Extra 8 weeks delivery over STD delivery time.

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

2) All Rs figures are to be added on nett price.

3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS

3.5	NEMA BODY MOTORS (Only for dimensions, performance as per IEC) <table><tr><td>IEC Frame</td><td>NEMA Frame</td><td>IEC Frame</td><td>NEMA Frame</td></tr><tr><td>90S</td><td>END 143T</td><td>180M</td><td>END 284T</td></tr><tr><td>90L</td><td>END 145T</td><td>180L</td><td>END 286T</td></tr><tr><td>112M</td><td>END 184T</td><td>200L</td><td>END 324T</td></tr><tr><td>132S</td><td>END 213T</td><td>225S</td><td>END 364T</td></tr><tr><td>132M</td><td>END 215T</td><td>225M</td><td>END 365T</td></tr><tr><td>160M</td><td>END 254T</td><td>250M</td><td>END 405T</td></tr><tr><td>160L</td><td>END 256T</td><td>280S</td><td>END 444T</td></tr><tr><td></td><td></td><td>280M</td><td>END 447T</td></tr></table>	IEC Frame	NEMA Frame	IEC Frame	NEMA Frame	90S	END 143T	180M	END 284T	90L	END 145T	180L	END 286T	112M	END 184T	200L	END 324T	132S	END 213T	225S	END 364T	132M	END 215T	225M	END 365T	160M	END 254T	250M	END 405T	160L	END 256T	280S	END 444T			280M	END 447T	10 % over equivalent IEC Motors of same KW and Polarity													
IEC Frame	NEMA Frame	IEC Frame	NEMA Frame																																																
90S	END 143T	180M	END 284T																																																
90L	END 145T	180L	END 286T																																																
112M	END 184T	200L	END 324T																																																
132S	END 213T	225S	END 364T																																																
132M	END 215T	225M	END 365T																																																
160M	END 254T	250M	END 405T																																																
160L	END 256T	280S	END 444T																																																
		280M	END 447T																																																
3.6	Fabricated stator body but fixing dimensions as per IS for frame 160 & above (ND frames only)	15% of ALP Delivery 8 weeks extra to SDT																																																	
3.7	CUSTOM SIZE FABRICATED TERMINAL BOX One size higher terminal box can be supplied for TEFC SCR motors as per table below <table><tr><th colspan="2">Frame</th><th colspan="2">Possible cable size</th></tr><tr><th></th><th>with STD TB</th><th>One size higher T Box</th><th></th></tr><tr><td rowspan="3">ND160 ND180 ND200</td><td>1 x 3C x 35 sq mm</td><td>1 x 3C x 120 sq mm</td><td>Frame</td></tr><tr><td>1 x 3.5 C x 35 sq mm</td><td>2 x 3C x 95 sq mm</td><td>Maximum Possible Cable Size</td></tr><tr><td>2 x 3C x 25 sq mm</td><td>1 x 3.5C x 120 sq mm</td><td>ND/GD/ NG 80</td></tr><tr><td></td><td></td><td>2 x 3.5C x 95 sq mm</td><td>1x3cx4 sq mm 1x3cx10 sq mm</td></tr><tr><td rowspan="4">ND225 ND250 ND280</td><td>1 x 3C x 120 sq mm</td><td>1 x 3C x 300 sq mm</td><td>ND/GD/ NG 90-</td></tr><tr><td>2 x 3C x 95 sq mm</td><td>1 x 3.5C x 300 sq mm</td><td>Plastic TB</td></tr><tr><td>1 x 3.5C x 120 sq mm</td><td>2 x 3C x 240 sq mm</td><td>Cast Iron TB</td></tr><tr><td>2 x 3.5C x 95 sq mm</td><td>3 x 3C x 185 sq mm</td><td>1x3cx16 sq mm</td></tr><tr><td rowspan="3">ND315 ND355</td><td>1 x 3C x 300 sq mm</td><td>4 x 3C x 400 sq mm</td><td>Alu. TB</td></tr><tr><td>1 x 3.5C x 300 sq mm</td><td>6 x 3C x 240 sq mm</td><td>1x3cx4 sq mm 1x3cx10 sq mm</td></tr><tr><td>2 x 3C x 240 sq mm</td><td>4 x 3.5C x 400 sq mm</td><td></td></tr><tr><td></td><td>3 x 3C x 185 sq mm</td><td></td><td></td></tr></table> *Higher TB not possible for frame < 160 *for FLP Motors Higher TB cannot be provided.	Frame		Possible cable size			with STD TB	One size higher T Box		ND160 ND180 ND200	1 x 3C x 35 sq mm	1 x 3C x 120 sq mm	Frame	1 x 3.5 C x 35 sq mm	2 x 3C x 95 sq mm	Maximum Possible Cable Size	2 x 3C x 25 sq mm	1 x 3.5C x 120 sq mm	ND/GD/ NG 80			2 x 3.5C x 95 sq mm	1x3cx4 sq mm 1x3cx10 sq mm	ND225 ND250 ND280	1 x 3C x 120 sq mm	1 x 3C x 300 sq mm	ND/GD/ NG 90-	2 x 3C x 95 sq mm	1 x 3.5C x 300 sq mm	Plastic TB	1 x 3.5C x 120 sq mm	2 x 3C x 240 sq mm	Cast Iron TB	2 x 3.5C x 95 sq mm	3 x 3C x 185 sq mm	1x3cx16 sq mm	ND315 ND355	1 x 3C x 300 sq mm	4 x 3C x 400 sq mm	Alu. TB	1 x 3.5C x 300 sq mm	6 x 3C x 240 sq mm	1x3cx4 sq mm 1x3cx10 sq mm	2 x 3C x 240 sq mm	4 x 3.5C x 400 sq mm			3 x 3C x 185 sq mm			3% ALP subject to Max 7400/- Rs. extra per motor.
Frame		Possible cable size																																																	
	with STD TB	One size higher T Box																																																	
ND160 ND180 ND200	1 x 3C x 35 sq mm	1 x 3C x 120 sq mm	Frame																																																
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	2 x 3C x 240 sq mm	4 x 3.5C x 400 sq mm																																																	
	3 x 3C x 185 sq mm																																																		
3.8	DOUBLE TERMINAL BOX FOR SLIPRING MOTORS Frames 315 & 355 Std TEFC	Rs. 5000/-																																																	
3.9	FLYING LEADS (upto 1 meter & 6 leads), W/O T. Box Frames ND 80 to ND 355	No																																																	
3.10	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 offered 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 the above, Special shaft material EN 24 grade Stainless steel shaft (Upto & including 180 Frame)	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.																																																	

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

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3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS

3.11	SPECIAL BEARINGS Online greasable bearings 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 & C225M frame. C4 clearance bearings in frame 160-355 For FLP Motors regreasable bearing can be provided from E225 frame and onwards Angular contact / axial thrust bearings for 80-355 frame. Please refer to division & please furnish axial thrust in kg & direction of axial thrust - toward/away from motor.	Rs. 900/- per motor 4 weeks extra delivery Rs. 3300/- per motor 10 Weeks extra del.																																								
3.12	INSULATED BEARINGS Can be provided for 250 and above frame only on NDE side <table><tr><th>Bearing Type</th><th>Price in Rs.</th><th colspan="3">NDE Bearing Selection</th></tr><tr><td>6314</td><td>34000</td><td>Frame</td><td>2 Pole</td><td>4 Pole and up</td></tr><tr><td>6315</td><td>34000</td><td>ND250M</td><td>6314</td><td>6314</td></tr><tr><td>6316</td><td>34000</td><td>ND280S/M</td><td>6314</td><td>6318</td></tr><tr><td>6318</td><td>29000</td><td>ND315 S/M/L/LX</td><td>6315</td><td>6319</td></tr><tr><td>6319</td><td>37000</td><td>ND355S/M/L</td><td>6316</td><td>6321</td></tr><tr><td>6321</td><td>82000</td><td>ND355LX</td><td>6316</td><td>6322</td></tr><tr><td>6322</td><td>40000</td><td></td><td></td><td></td></tr></table>	Bearing Type	Price in Rs.	NDE Bearing Selection			6314	34000	Frame	2 Pole	4 Pole and up	6315	34000	ND250M	6314	6314	6316	34000	ND280S/M	6314	6318	6318	29000	ND315 S/M/L/LX	6315	6319	6319	37000	ND355S/M/L	6316	6321	6321	82000	ND355LX	6316	6322	6322	40000				
Bearing Type	Price in Rs.	NDE Bearing Selection																																								
6314	34000	Frame	2 Pole	4 Pole and up																																						
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6318	29000	ND315 S/M/L/LX	6315	6319																																						
6319	37000	ND355S/M/L	6316	6321																																						
6321	82000	ND355LX	6316	6322																																						
6322	40000																																									
3.13	ROLLER BEARING ON DE SIDE FRAMES 160 TO 180 FRAMES 200 TO 250 FRAMES 280 TO 315 FRAMES 355 - Bearing size other than standard: Please refer to division. - For FLP motors roller bearing shall be provided from E225 and above frames	Rs. 1540/- Rs. 2860/- Rs. 4000/- Rs. 5000/-																																								
3.14	Degree of protection as per IEC 60034-5 IP 66 , IP65 for TEFC SCR motors in frame 160-315	5% of ALP																																								
3.15	FAULT LEVEL : 50 kA for 0.25 sec. with certificate Please refer to division for higher fault level (160 and above frame)	Rs. 35000/-																																								
3.16	Tacho mounting arrangement for frame 160 - 355 TEFC SCR motors. For other frames refer to division FRAME 160 TO 280 FRAME 315 TO 355	Rs. 3000/- per motor Rs 3500/- per motor																																								

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

2) All Rs. figures are to be added on nett price,

3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS

3.17	Kibosh The Motor Kinetics Brake Brand Brake Kit Price for Kibosh Series Motors <table><tr><th>Frame</th><th>Brake Size</th><th>Brake Torque NM</th><th>Price</th></tr><tr><td>80</td><td>8</td><td>8</td><td>4400</td></tr><tr><td>90</td><td>10</td><td>16</td><td>5000</td></tr><tr><td>100</td><td>12</td><td>32</td><td>7000</td></tr><tr><td>112</td><td>14</td><td>60</td><td>7500</td></tr><tr><td>132</td><td>16</td><td>100</td><td>10300</td></tr><tr><td>160M</td><td>18</td><td>150</td><td>15600</td></tr><tr><td>160L</td><td>20</td><td>260</td><td>18500</td></tr><tr><td>180</td><td>25</td><td>400</td><td>21200</td></tr><tr><td>200</td><td>25</td><td>400</td><td>25500</td></tr></table> Above prices to be added on net price of motor as per price IE1 prices for company fitted brake motors Brake kit includes rectifier, brake, adaptor plate, fan cover, hardware.	Frame	Brake Size	Brake Torque NM	Price	80	8	8	4400	90	10	16	5000	100	12	32	7000	112	14	60	7500	132	16	100	10300	160M	18	150	15600	160L	20	260	18500	180	25	400	21200	200	25	400	25500	
Frame	Brake Size	Brake Torque NM	Price																																							
80	8	8	4400																																							
90	10	16	5000																																							
100	12	32	7000																																							
112	14	60	7500																																							
132	16	100	10300																																							
160M	18	150	15600																																							
160L	20	260	18500																																							
180	25	400	21200																																							
200	25	400	25500																																							
3.18	Terminal box position : (for foot or foot cum flange mounted motors) Enclosure TEFC SCR/SR FLAMEPROOF SCR -E160-E315M FLAMEPROOF SCR- E315L FLAMEPROOF SR -EW250-315M FLAMEPROOF SR -EW315L SPDP SCR/SR (For ND250MX, ND355LX TB TOP option not applicable) TB position options from DE RHS,LHS,TOP RHS/LHS TOP STATOR - RHS ROTOR - LHS STATOR - TOP ROTOR - RHS RHS / LHS	No																																								
3.19	ANTICORROSIVE TREATMENT/PAINT For TEFC/SPDP SCR/SR motors Paint shades: 631 as per IS - 5 For Aluminum Series Motors CGL standard paint shade : RAL 5021 Flameproof, type 'e' & type 'n' motors are provided with epoxy paint of shade 631 as per IS -5 as a standard feature. our standard painting procedure: Zinc phosphate primer one coat + synthetic + B enamel paint Thickness 70 Microns ACP 631/632 For additional thickness upto 130 microns Paint shade other than above mentioned shade and RAL shades C4-M/C5-M painting For any other painting shade, material or procedure, please refer to CG branch office	No 3% 5% 5% of ALP subject to max Rs. 7000/- 7.5% of ALP																																								
3.20	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 No																																								
3.21	VIBRATION LEVEL Vibration level (mm/sec.) shall be as per normal class as per IEC60034-14 Limits of maximum vibration magnitude in velocity (mm/sec) for vibration grade is as mentioned in table <table><tr><th rowspan="2">Vibration grade</th><th colspan="3">Shaft Height H, mm</th></tr><tr><th>56≤H≤132</th><th>132≤H≤280</th><th>H>280</th></tr><tr><td>A</td><td>1.6</td><td>2.2</td><td>2.8</td></tr><tr><td>B</td><td>0.7</td><td>1.1</td><td>1.8</td></tr></table> For any other value Please refer to division.	Vibration grade	Shaft Height H, mm			56≤H≤132	132≤H≤280	H>280	A	1.6	2.2	2.8	B	0.7	1.1	1.8	10% - A 20% - B																									
Vibration grade	Shaft Height H, mm																																									
	56≤H≤132	132≤H≤280	H>280																																							
A	1.6	2.2	2.8																																							
B	0.7	1.1	1.8																																							
3.22	JACKING OUT HOLES ON MOTOR FEET Jacking out holes & dowel pins on motor feet are provided for frame 225 & above.	No extra																																								
3.23	STAINLESS STEEL HARDWARE - Upto Frame 225 Frame 250 and Above * Not available for aluminum motors (GD frame)	Rs. 900/- Rs. 1500/-																																								

1) All % (percentage) figures are to be loaded on list price. 2) All Rs. figures are to be added on nett price 3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED ON AC MOTORS WITH CASH EXTRAS

3.24	TOTALLY ENCLOSED MOTOR WITHOUT FAN: Deration factor = 0.5	ALP as per selected frame.
3.25	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.
3.26	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)	Rs. 1220/- Rs. 1540/- Rs. 2750/- Rs. 5000/- Rs. 6600/- 5% sub to max of Rs. 7700/-
3.7	ENCLOSURE Increased Safety type 'e' motors as per IS 6381 with anticorrosive paint Non sparking type 'N' motors as per IEC 60079-15 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% 7.5%

4 HAZARDOUS AREA MOTORS THAT CAN BE OFFERED :**4.1 FOR TYPE 'E' & TYPE 'N' MOTORS**

ZONE	GAS GROUP	TEMPERATURE CLASS	FRAME	Certification Options
2	IIA, IIB, IIC	T1,T2,T3	ND 90 TO ND 355L	PESO
22	IIA, IIB, IIC	T1,T2,T3	ND 90 TO ND 355L Type 'N'	PESO

4.2 FOR FLAMEPROOF MOTORS-INDIAN APPROVALS

ZONE	GAS GROUP	TEMPERATURE CLASS	FRAME	Certification Options
1	IIA, IIB I, IIA, IIB	T1,T2,T3,T4	E80 E90-E132	PESO PESO, DGMS
1	I, IIA, IIB	T1,T2,T3,T4	E160L TO E315L	PESO, DGMS
1	IIC	T1,T2,T3,T4	Price as per ALP from page 17-20 (No discount applicable) Frames Covered E80 To E315M# & E355LX Terminal box will be on TOP only # E315M TEMP CLASS UPTO T3 ONLY	

4.3 FOR FLAMEPROOF MOTORS- WITH BASEEFA/ATEX/IECEX APPROVALS

1	IIA IIB	T1,T2,T3	10 % EXTRA OVER STANDARD FLAMEPROOF MOTORS FRAMES COVERED ARE E 80 TO E315 L	
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- 1) All % (percentage) figures are to be loaded on list price.
- 2) All Rs figures are to be added on nett price,
- 3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS**5) SPECIAL MOTORS**

SN	DESCRIPTION OF EXTRA FEATURE	CASH EXTRAS
5.1	INSULATION CLASS Class 'H' insulation For frame 63-355	10%
5.2	MULTI SPEED MOTORS (Only for Safe Area) single tapped winding type with 2/4, 4/8,4/6,6/8 pole 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
5.3	Motors with 10,12,16 pole Please refer to division	10% of Highest ALP for 8 pole motor in the Selected frame
5.4	CRANE DUTY MOTORS : Intermittent Duty (other than S1)	Refer Crane duty page no. 21, 22 For Rating/Frames not covered in price lists please load 7.5% extra over identified Frame/Rating ALP
5.5	EPOXY GEL COAT	2 %
5.6	CLEAN FLOW CONSTRUCTION for TEFC SCR textile motors Frames 90S to 132M	Refer AC Textile Motors page no. 23

6) ACCESSORIES

6.1	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 frames 160 to 180 TEFC & FLP For frames 200 to 250 TEFC & FLP For frames 280 to 355 (TEFC) For frames 280 to 355 (FLP)- Space heater termination in the main terminal box Charges for separate auxiliary box No Space heaters will be provided for frames below 132 Space heater for ND132 frame (TEFC)	Rs. 1375/- Rs. 2750/- Nil Nil Rs. 2300/- Rs. 1000/-
6.2	THERMISTORS (Without relays) 80 frames above varieties: PTC -110, PTC-130, PTC- 150 -3 nos per motor without relay 80 - 355 -6nos (PTC 130 - 3 nos & PTC 150 -3 nos) per motor without relay 160 - 355	Rs. 1980/- Rs. 3960/-
6.3	RTD's 250 frames and above (Not applicable for FLP Motors) 6 Nos (2 Nos per phase)	Rs. 6500/-
6.4	BEARING TEMPERATURE DETECTOR (2 Nos.) ROD Type without wiring Frames 280 & above	Rs. 6500/-
6.5	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 second sealing box : For frame 90-132 (not available in frame 80.)	Rs. 1760/- Rs. 1980/- Rs.1540/-

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2) All Rs figures are to be added on nett price,

3) Inspection charges are subject to excise & taxes

SPECIAL FEATURES OFFERED FOR AC MOTORS WITH CASH EXTRAS

6.6	FLP Plug and socket arrangement: (SAFEX Make) -30 Amps,600 volts -110 Amps,600 volts -150 Amps,600 volts	Rs. 18000 Rs. 21000 Rs. 26000
6.7	DOUBLE COMPRESSION GLANDS (Per Run of Cable) Upto frame 160 180 to 225 250 to 355 Space heater gland and thermistors glands # Compression glands suitable for gas group IIA, IIB and IIC	Rs. 1200/- Rs. 2200/- Rs. 2900/- Rs. 900/-
6.8	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)	No reduction No reduction 5% subject to max of 5500/-
6.9	Additional nameplate	Rs. 300/-
6.10	Direction arrow plate	Rs 600/-

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 CGL STD QAP Inspection as per Customer format of QAP Routine testing per motor: Frames 63-160 Frames 180 to 250 Frames 280 to 355	Nil 5% Rs. 1400/- Rs. 2200/- Rs. 2950/-
7.2	Type testing per motor Frame 63-160 Frames 180 to 250 Frames 280 to 315 Frame 355 For 355 frame part load testing shall be done depending on test plant capacity.	Rs. 4900/- Rs. 7200/- Rs. 11000/- Rs. 14000/-
7.3	FLP Pressure test per motor Frame 80-160 Frames 180 to 315	Rs. 3000 Rs. 8000/-
7.4	IInd numeral IP55 test per motor (Prior confirmation from Division required)	Rs 5000/-
7.5	Testing with inverter drive (With ERTL/KARANDIKAR witness) (Without ERTL/KARANDIKAR witness)	Rs. 1,50,000/- per motor Rs. 55,000/- per motor
7.6	DOCUMENTATION CHARGES (technical/commercial) documents for approval/submission Reproducible tracing copies for final submission. Marine motor documentation : please refer such enquiries to division.	Rs. 1500/- per rating Rs. 6000/- per rating Rs. 14,000/- per rating

- 1) All % (percentage) figures are to be loaded on list price. 2) All Rs. figures are to be added on nett price.
3) Inspection charges are subject to excise & taxes

(Price List No. LTM/008 Rev. 1 dt 01.03.2014)

TERMS OF SALE

- 1) This price list supercedes our price list LTM/007 and revision issue to LTM/008 Dated 3.12.13
Current price list no. LTM/008 Rev. 1 dt 01.03.2014
- 2) For any extra feature not approved please contact nearest CG sales office and refer spare price list for other accessories and spares.
- 3) Taxes & Duties : The List Prices are exclusive of Excise Duties, Sales Tax and any other Central, State or Local Taxes, Octroi and other levies. These will be charged extra at the rates on the date of supply.
- 4) Excise Duty shown in Price List is inclusive of Educational Cess
- 5) Delivery : List Prices are valid for delivery ex-our godown
- 6) 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.
- 7) 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.



Our All India Service Centre Toll free No : 1800-419-0505

Regional sales Offices :

North : 3rd Floor, Express Building, 9-10 Bahadur Shah Jafar Marg, Near ITO crossing, New Delhi - 110 002 | Phone : 23460700
East : 50, Chowringhee Road, Kolkata - 700 071 | Phone : 033-22829681 / 85
West : Kanjur Marg (E), Mumbai - 400 042 | Phone : 022-6755 8632, 33, 36 & 6755 8000
South : 3-A, MGR Salai (K.H. Road), Nungambakham, Chennai - 600 034 | Phone : 044-4224 7525

North
 Lucknow : 0522 - 3018850 / 59
 Jalandhar : 0181 - 2223801, 2459487
 Jaipur : 0141 - 2376919, 2376307

West
 Ahmedabad : 079 - 4001200, 40012201
 Indore : 0731 - 2498269, 2498276
 Nagpur : 0712 - 2531271, 2560870 / 71
 Pune : 020 - 25534675 / 77
 Raipur : 0771 - 4022215

East
 Bhubaneswar : 0674 - 2531128, 2531429
 Patna : 0612 - 2239405
 Guwahati : 0361 - 2543830, 255018

South
 Bangalore : 080 - 41391931, 41391908 / 909
 Secunderabad : 040 - 40002300, 40002347
 Cochin : 0484 - 2370860 / 63, 2360240

