



HAVELLS

Premium Efficiency

LV Induction Motors



H-01

LIST PRICE

w.e.f. 20th April, 2022

CE (IE3) (IE2)

STANDARD PRODUCT SPECIFICATIONS

Type	AC Three Phase Squirrel Cage Induction Motor
Efficiency	Energy Efficient As per IS 12615:2018, IEC 60034
Voltage \pm Variation	415 V \pm 10%
Frequency \pm Variation	50 Hz \pm 5%
Combined Variation	10% (Absolute Sum)
Enclosure	TEFC
Mounting	Foot, Face, Flange, Foot cum Flange & Foot cum face
Frame Dimensions	As per IS 1231 & IS 2223
Altitude	Upto 1000 m
Relative Humidity	Upto 100%
Degree of Protection	IP 55 (As per IS 4691)
Class of Insulation	Class 'F'
Ambient Temp / Temp Rise	50 °C / 70 °C
Duty / Rating	S1 / Continuous (As per IS 325)
Position of Terminal Box	Top
Direction of Rotation	Bi-directional
Grease Type	Lithium Based Grease
Cooling	Shaft Mounted Fan
Paint	Smoke Grey

MATERIAL SPECIFICATIONS

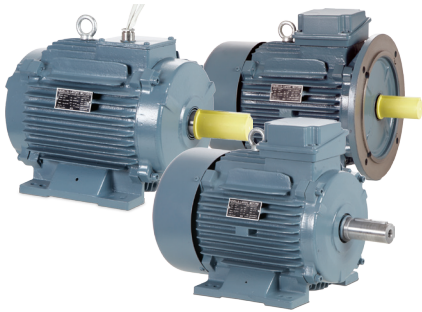
Motor Parts	Frame size	Material
Stator Frame	63 - 100	Aluminium alloy
	80 - 355	Cast iron
Endshield	63 - 100	Aluminium alloy
	80 - 355	Cast iron
Flanged Endshield	63 - 100	Aluminium alloy
	80 - 355	Cast iron
Fan Cover	63 - 71	Industrial nylon grade
	80 - 355	Sheet Metal
Fan	63 - 355	Industrial nylon grade
Terminal Box	63 - 71	Industrial nylon grade
	80 - 160	Sheet Metal
	180 - 355	Cast Iron



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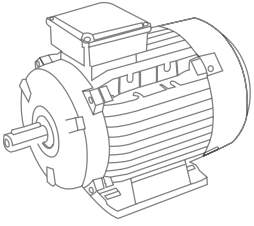
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Special Motors



Standard Motors





Premium Series - IE3

Cast Iron

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

2 Pole -3000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHPE80ZAA2	MHCPTDS20X75	13370.00
1.1	1.5	MHPE80ZBA2	MHCPTDS201X1	14600.00
1.5	2	MHPE90SAA2	MHCPTES201X5	16980.00
2.2	3	MHPE90LCA2	MHCPTFS202X2	21750.00
3	4	MHPE100LAA2	MHCPTGS20003	27930.00
3.7	5	MHPE100LBA2	MHCPTGS203X7	29170.00
5.5	7.5	MHPE132SZA2	MHCPTIS205X5	45290.00
7.5	10	MHPE132STA2	MHCPTIS207X5	46890.00
9.3	12.5	MHPE160MTA2	MHCPTKS209X3	76810.00
11	15	MHPE160MYA2	MHCPTKS20011	81770.00
15	20	MHPE160MZA2	MHCPTKS20015	95440.00
18.5	25	MHPE160LZA2	MHCPTLS218X5	119880.00
22	30	MHPE180MZA2	MHCPTMS20022	126550.00
30	40	MHPE200LPG2	MHCPTOS20030	187220.00
37	50	MHPE200LRG2	MHCPTOS20037	228520.00
45	60	MMHE225MP2	MHCPTQS20045	294080.00
55	75	MHPE250MP2	MHCPTRS20055	396910.00
75	100	MHPE280SV2	MHCPTSS20075	511670.00
90	120	MHPE280MV2	MHCPTTS20090	587630.00
110	150	MHPE315SYE2	MHCPTUS20110	719480.00
132	180	MHPE315MZE2	MHCPTVS20132	882660.00
160	220	MHPE315LYE2	MHCPTWS2160	968930.00
180	240	MHPE315LYE2	MHCPTWS2180	1028250.00
200	270	MHPE315LZE2	MHCPTWS20200	1124080.00
225	300	MHPE355MA2	MHCPTYS20225	1241020.00
250	340	MHPE355MB2	MHCPTYS20250	1313610.00
275	370	MHPE355LA2	MHCPTZS20275	1352770.00
315	425	MHPE355LB2	MHCPTZS20315	1424140.00

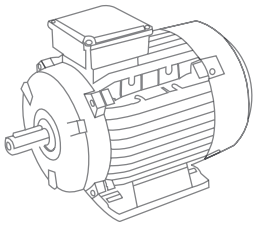
4 Pole -1500 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHPE80ZAA4	MHCPTDS40X55	13740.00
0.75	1	MHPE80ZBA4	MHCPTDS40X75	13930.00
1.1	1.5	MHPE90SAA4	MHCPTES401X1	17340.00
1.5	2	MHPE90LBA4	MHCPTFS401X5	20260.00
2.2	3	MHPE100LAA4	MHCPTGS402X2	24500.00
3	4	MHPE100LBA4	MHCPTGS40003	26550.00
3.7	5	MHPE112MAA4	MHCPTHS403X7	31660.00
5.5	7.5	MHPE132SRA4	MHCPTIS405X5	45700.00
7.5	10	MHPE132MTA4	MHCPTJS407X5	53520.00
9.3	12.5	MHPE160MRA4	MHCPTKS409X3	81720.00
11	15	MHPE160MZA4	MHCPTKS40011	83730.00
15	20	MHPE160LZA4	MHCPTLS40015	102090.00
18.5	25	MHPE180MZA4	MHCPTMS418X5	125220.00
22	30	MHPE180LZA4	MHCPTNS40022	133150.00
30	40	MHPE200LRG4	MHCPTOS40030	179830.00
37	50	MHPE225SP4	MHCPTPS40037	227120.00
45	60	MHPE225MP4	MHCPTQS40045	273110.00
55	75	MHPE250MP4	MHCPTRS40055	367360.00
75	100	MHPE280SV4	MHCPTSS40075	466530.00
90	120	MHPE280MV4	MHCPTTS40090	541190.00
110	150	MHPE315SYE4	MHCPTUS40110	630850.00
132	180	MHPE315MYE4	MHCPTVS40132	742970.00
160	220	MHPE315LYE4	MHCPTWS40160	948460.00
180	240	MHPE315LYE4	MHCPTWS40180	1052170.00
200	270	MHPE315LZE4	MHCPTWS40200	1055220.00
225	300	MHPE355MA4	MHCPTYS40225	1316270.00
250	340	MHPE355MB4	MHCPTYS40250	1343620.00
275	370	MHPE355MC4	MHCPTYS40275	1422260.00
315	425	MHPE355LA4	MHCPTZS40315	1541430.00

* Class F insulation with temperature rise limited to Class B





Premium Series - IE3

Cast Iron

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

6 Pole -1000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHPE80ZAA6	MHCPTDS60X37	14550.00
0.55	0.75	MHPE80ZBA6	MHCPTDS60X55	14950.00
0.75	1	MHPE90SAA6	MHCPTES60X75	17790.00
1.1	1.5	MHPE90LBA6	MHCPTFS601X1	19940.00
1.5	2	MHPE100LAA6	MHCPTGS601X5	30120.00
2.2	3	MHPE112MAA6	MHCPTHS602X2	31700.00
3	4	MHPE112MBA6	MHCPTHS60003	33090.00
3.7	5	MHPE132SYA6	MHCPTIS603X7	47160.00
5.5	7.5	MHPE132MZA6	MHCPTJS605X5	58010.00
7.5	10	MHPE160MZA6	MHCPTKS607X5	81540.00
9.3	12.5	MHPE160LYA6	MHCPTLS609X3	89260.00
11	15	MHPE160LZA6	MHCPTLS60011	99080.00
15	20	MHPE180LZG6	MHCPTNS60015	129180.00
18.5	25	MHPE200LPG6	MHCPTOS618X5	179510.00
22	30	MHPE200LRG6	MHCPTOS60022	199280.00
30	40	MHPE225MP6	MHCPTQS60030	268190.00
37	50	MHPE250MP6	MHCPTRS60037	373650.00
45	60	MHPE280SV6	MHCPTSS60045	460210.00
55	75	MHPE280MV6	MHCPTTS60055	523250.00
75	100	MHPE315SYE6	MHCPTUS60075	646960.00
90	120	MHPE315MYE6	MHCPTVS60090	759090.00
110	150	MHPE315MZE6	MHCPTVS60110	846580.00
132	180	MHPE315LZE6	MHCPTWS60132	990310.00
160	220	MHPE315LZF6	MHCPTWS60160	1057690.00
180	240	MHPE355MB6	MHCPTYS60180	1318630.00
200	270	MHPE355MC6	MHCPTYS60200	1360470.00
250	340	MHPE355LA6	MHCPTZS60250	1531300.00
315	425	MHPE355LB6	MHCPTZS60315	2065220.00

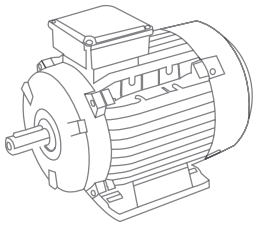
8 Pole -750 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHPE90SAA8	MHCPTES80X37	17620.00
0.55	0.75	MHPE90LBA8	MHCPTFS80X55	19290.00
0.75	1	MHPE100LAA8	MHCPTGS80X75	23720.00
1.1	1.5	MHPE100LBA8	MHCPTGS801X1	28890.00
1.5	2	MHPE112MAA8	MHCPTHS801X5	33450.00
2.2	3	MHPE132SZA8	MHCPTIS802X2	44280.00
3.7	5	MHPE160MZA8	MHCPTKS803X7	72010.00
5.5	7.5	MHPE160MZA8	MHCPTKS805X5	101160.00
7.5	10	MHPE160LZA8	MHCPTLS807X5	109290.00
9.3	12.5	MHPE180LYG8	MHCPTNS09X3	135930.00
11	15	MHPE180LZG8	MHCPTNS80011	143360.00
15	20	MHPE200LRG8	MHCPTOS80015	201830.00
18.5	25	MHPE225SP8	MHCPTPS818X5	259020.00
22	30	MHPE225MP8	MHCPTQS80022	311350.00
30	40	MHPE250MP8	MHCPTRS80030	420410.00
37	50	MHPE280SV8	MHCPTSS80037	548230.00
45	60	MHPE280MV8	MHCPTTS80045	616170.00
55	75	MHPEE315SYE8	MHCPTUS80055	697800.00
75	100	MHPE315MYE8	MHCPTVS80075	866450.00
90	120	MHPE315LZE8	MHCPTWS80090	1080510.00
110	150	MHPE315LZE8	MHCPTWS80110	1143880.00
132	180	MHPE355MA8	MHCPTY80132	1417750.00
160	220	MHPE355MC8	MHCPTY80160	1539770.00
180	240	MHPE355LA8	MHCPTZS80180	1579760.00
200	270	MHPE355LB8	MHCPTZS80200	1692350.00

* Class F insulation with temperature rise limited to Class B





IE2

Cast Iron

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

2 Pole -3000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHEE80ZAA2	MHCITDS20X75	11920.00
1.1	1.5	MHEE80ZBA2	MHCITDS201X1	12980.00
1.5	2	MHEE90SAA2	MHCITES201X5	15330.00
2.2	3	MHEE90LCA2	MHCITFS202X2	19290.00
3	4	MHEE100LAA2	MHCITGS20003	22630.00
3.7	5	MHEE100LBA2	MHCITGS203X7	23890.00
5.5	7.5	MHEE132SZA2	MHCITIS205X5	41840.00
7.5	10	MHEE132STA2	MHCITIS207X5	45760.00
9.3	12.5	MHEE132MRA2	MHCITJS209X3	65080.00
9.3	12.5	MHEE160MTA2	MHCITKS209X3	75660.00
11	15	MHEE160MYA2	MHCITKS20011	78570.00
15	20	MHEE160MZA2	MHCITKS20015	85410.00
18.5	25	MHEE160LZA2	MHCITLS218X5	109760.00
22	30	MHEE180MZA2	MHCITMS20022	116110.00
30	40	MHEE200LPG2	MHCITOS20030	168480.00
37	50	MHEE200LRG2	MHCITOS20037	197040.00
45	60	MMHE225MP2	MHCITQS20045	253510.00
55	75	MHEE250MP2	MHCITRS20055	358020.00
75	100	MHEE280SV2	MHCITSS20075	438940.00
90	120	MHEE280MV2	MHCITTS20090	508790.00
110	150	MHEE315SYE2	MHCITUS20110	677760.00
132	180	MHEE315MZE2	MHCITVS20132	836660.00
160	220	MHEE315LYE2	MHCITWS20160	912770.00
180	240	MHEE315LYE2	MHCITWS20180	985730.00
200	270	MHEE315LZE2	MHCITWS20200	1043910.00
225	300	MHEE355MA2	MHCITYS20225	1230920.00
250	340	MHEE355MB2	MHCITYS20250	1234570.00
275	370	MHEE355LA2	MHCITZS20275	1296370.00
315	425	MHEE355LB2	MHCITZS20315	1327500.00

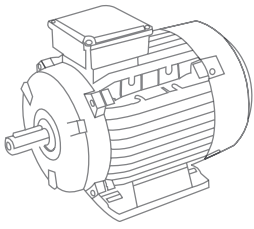
4 Pole -1500 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHEE80ZAA4	MHCITDS40X55	12230.00
0.75	1	MHEE80ZBA4	MHCITDS40X75	12390.00
1.1	1.5	MHEE90SAA4	MHCITES401X1	15580.00
1.5	2	MHEE90LBA4	MHCITFS401X5	18010.00
2.2	3	MHEE100LAA4	MHCITGS402X2	22440.00
3	4	MHEE100LBA4	MHCITGS40003	23570.00
3.7	5	MHEE112MAA4	MHCITHS403X7	28410.00
5.5	7.5	MHEE132SRA4	MHCITIS405X5	39880.00
7.5	10	MHEE132MTA4	MHCITJS407X5	45660.00
9.3	12.5	MHEE132MRA4	MHCITJS409X3	60630.00
9.3	12.5	MHEE160MYA4	MHCITKS409X3	72920.00
11	15	MHEE160MZA4	MHCITKS40011	74680.00
15	20	MHEE160LZA4	MHCITLS40015	96840.00
18.5	25	MHEE180MZA4	MHCITMS418X5	112070.00
22	30	MHEE180LZA4	MHCITNS40022	124240.00
30	40	MHEE200LRG4	MHCITOS40030	167840.00
37	50	MHEE225SP4	MHCITPS40037	200170.00
45	60	MHEE225MP4	MHCITQS40045	236460.00
55	75	MHEE250MP4	MHCITRS40055	331270.00
75	100	MHEE280SV4	MHCITSS40075	408500.00
90	120	MHEE280MV4	MHCITTS40090	475820.00
110	150	MHEE315SYE4	MHCITUS40110	594330.00
132	180	MHEE315MYE4	MHCITVS40132	692120.00
160	220	MHEE315LYE4	MHCITWS40160	818910.00
180	240	MHEE315LYE4	MHCITWS40180	882300.00
200	270	MHEE315LZE4	MHCITWS40200	914190.00
225	300	MHEE355MA4	MHCITYS40225	1152510.00
250	340	MHEE355MB4	MHCITYS40250	1202730.00
275	370	MHEE355MC4	MHCITYS40275	1300310.00
315	425	MHEE355LA4	MHCITZS40315	1442570.00

* Class F insulation with temperature rise limited to Class B





IE2

Cast Iron

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

6 Pole -1000 r/min

HSN Code: 8501

8 Pole -750 r/min

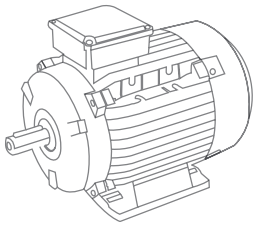
HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHEE80ZAA6	MHCITDS60X37	13210.00
0.55	0.75	MHEE80ZBA6	MHCITDS60X55	13550.00
0.75	1	MHEE90SAA6	MHCITES60X75	15390.00
1.1	1.5	MHEE90LBA6	MHCITFS601X1	16880.00
1.5	2	MHEE100LAA6	MHCITGS601X5	23630.00
2.2	3	MHEE112MAA6	MHCITHS602X2	26860.00
3	4	MHEE112MBA6	MHCITHS60003	27760.00
3.7	5	MHEE132SYA6	MHCITIS603X7	42540.00
5.5	7.5	MHEE132MZA6	MHCITJS605X5	50180.00
7.5	10	MHEE160MZA6	MHCITKS607X5	74280.00
9.3	12.5	MHEE160LYA6	MHCITLS609X3	86610.00
11	15	MHEE160LZA6	MHCITLS60011	91850.00
15	20	MHEE180LZG6	MHCITNS60015	112820.00
18.5	25	MHEE200LPG6	MHCITOS618X5	156190.00
22	30	MHEE200LRG6	MHCITOS60022	166220.00
30	40	MHEE225MP6	MHCITQS60030	239320.00
37	50	MHEE250MP6	MHCITRS60037	325480.00
45	60	MHEE280SV6	MHCITSS60045	391810.00
55	75	MHEE280MV6	MHCITTS60055	449950.00
75	100	MHEE315SYE6	MHCITUS60075	595640.00
90	120	MHEE315MYE6	MHCITVS60090	682600.00
110	150	MHEE315MZE6	MHCITVS60110	761290.00
132	180	MHEE315LZE6	MHCITWS60132	895210.00
160	220	MHEE315LZF6	MHCITWS60160	932000.00
180	240	MHEE355MB6	MHCITYS60180	1142690.00
200	270	MHEE355MC6	MHCITYS60200	1178950.00
250	355	MHEE355LA6	MHCITZS60250	1329500.00
315	425	MHEE355LB6	MHCITZS60315	1905830.00

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHEE90SAA8	MHCITES80X37	15960.00
0.55	0.75	MHEE90LBA8	MHCITFS80X55	17490.00
0.75	1	MHEE100LAA8	MHCITGS80X75	21500.00
1.1	1.5	MHEE100LBA8	MHCITGS801X1	26170.00
1.5	2	MHEE112MAA8	MHCITHS801X5	30300.00
2.2	3	MHEE132SZA8	MHCITIS802X2	40140.00
3.7	5	MHEE160MZA8	MHCITKS803X7	67540.00
5.5	7.5	MHEE160MZA8	MHCITKS805X5	80780.00
7.5	10	MHEE160LZA8	MHCITLS807X5	99030.00
9.3	12.5	MHEE180LYG8	MHCITNS09X3	123150.00
11	15	MHEE180LZG8	MHCITNS80011	129900.00
15	20	MHEE200LRG8	MHCITOS80015	179590.00
18.5	25	MHEE225SP8	MHCITPS818X5	230460.00
22	30	MHEE225MP8	MHCITQS80022	277050.00
30	40	MHEE250MP8	MHCITRS80030	374080.00
37	50	MHEE280SV8	MHCITSS80037	487810.00
45	60	MHEE280MV8	MHCITTS80045	538030.00
55	75	MHEE315SYE8	MHCITUS80055	649120.00
75	100	MHEE315MYE8	MHCITVS80075	770960.00
90	120	MHEE315LZE8	MHCITWS80090	961440.00
110	150	MHEE315LZE8	MHCITWS80110	1063980.00
132	180	MHEE355MA8	MHCITYS80132	1179230.00
160	220	MHEE355MC8	MHCITYS80160	1370080.00
180	240	MHEE355LA8	MHCITZS80180	1405650.00
200	270	MHEE355LB8	MHCITZS80200	1505830.00

* Class F insulation with temperature rise limited to Class B





IE3

Aluminium Frames

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

2 Pole -3000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE63ZAA2	MHHPTBS20X18	9900.00
0.25	0.33	MHPE63ZBA2	MHHPTBS20X25	10050.00
0.37	0.5	MHPE71ZAA2	MHHPTCS20X37	10370.00
0.55	0.75	MHPE71ZBA2	MHHPTCS20X55	12960.00
0.75	1	MHPE80ZAA2	MHHPTDS20X75	13370.00
1.1	1.5	MHPE80ZBA2	MHHPTDS201X1	14600.00
1.5	2	MHPE90SAA2	MHHPTES201X5	16980.00
2.2	3	MHPE90LCA2	MHHPTFS202X2	21750.00
3	4	MHPE100LAA2	MHHPTGS20003	27930.00
3.7	5	MHPE100LBA2	MHHPTGS203X7	29170.00

4 Pole -1500 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE63ZAA4	MHHPTBS40X18	10050.00
0.25	0.33	MHPE71ZAA4	MHHPTCS40X25	10320.00
0.37	0.5	MHPE71ZBA4	MHHPTCS40X37	10740.00
0.55	0.75	MHPE80ZAA4	MHHPTDS40X55	13740.00
0.75	1	MHPE80ZBA4	MHHPTDS40X75	13930.00
1.1	1.5	MHPE90SAA4	MHHPTES401X1	17340.00
1.5	2	MHPE90LBA4	MHHPTFS401X5	20260.00
2.2	3	MHPE100LAA4	MHHPTGS402X2	24500.00
3	4	MHPE100LBA4	MHHPTGS40003	26550.00

6 Pole -1000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE71ZAA6	MHHPTCS60X18	13460.00
0.25	0.33	MHPE71ZBA6	MHHPTCS60X25	14190.00
0.37	0.5	MHPE80ZAA6	MHHPTDS60X37	14550.00
0.55	0.75	MHPE80ZBA6	MHHPTDS60X55	14950.00
0.75	1	MHPE90SAA6	MHHPTES60X75	17790.00
1.1	1.5	MHPE90LBA6	MHHPTFS601X1	19940.00
1.5	2	MHPE100LAA6	MHHPTGS601X5	30120.00

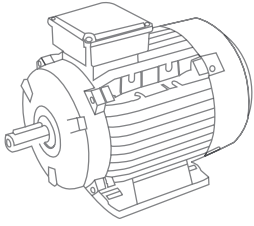
8 Pole -750 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHPE90SAA8	MHHPTES80X37	17620.00
0.55	0.75	MHPE90LBA8	MHHPTFS80X55	19290.00
0.75	1	MHPE100LAA8	MHHPTGS80X75	23720.00
1.1	1.5	MHPE100LBA8	MHHPTGS801X1	28890.00

* Class F insulation with temperature rise limited to Class B





IE2

Aluminium Frames

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

2 Pole -3000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHEE63ZAA2	MHHITBS20X18	8630.00
0.25	0.33	MHEE63ZBA2	MHHITBS20X25	8750.00
0.37	0.5	MHEE71ZAA2	MHHITCS20X37	8880.00
0.55	0.75	MHEE71ZBA2	MHHITCS20X55	11520.00
0.75	1	MHEE80ZAA2	MHHITDS20X75	11920.00
1.1	1.5	MHEE80ZBA2	MHHITDS201X1	12980.00
1.5	2	MHEE90SAA2	MHHITES201X5	15330.00
2.2	3	MHEE90LCA2	MHHITFS202X2	19290.00
3	4	MHEE100LAA2	MHHITGS20003	22630.00
3.7	5	MHEE100LBA2	MHHITGS203X7	23890.00

4 Pole -1500 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHEE63ZAA4	MHHITBS40X18	8750.00
0.25	0.33	MHEE71ZAA4	MHHITCS40X25	8990.00
0.37	0.5	MHEE71ZBA4	MHHITCS40X37	9350.00
0.55	0.75	MHEE80ZAA4	MHHITDS40X55	12230.00
0.75	1	MHEE80ZBA4	MHHITDS40X75	12390.00
1.1	1.5	MHEE90SAA4	MHHITES401X1	15580.00
1.5	2	MHEE90LBA4	MHHITFS401X5	18010.00
2.2	3	MHEE100LAA4	MHHITGS402X2	22440.00
3	4	MHEE100LBA4	MHHITGS40003	23570.00

6 Pole -1000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHEE71ZAA6	MHHITCS60X18	11700.00
0.25	0.33	MHEE71ZBA6	MHHITCS60X25	12350.00
0.37	0.5	MHEE80ZAA6	MHHITDS60X37	13210.00
0.55	0.75	MHEE80ZBA6	MHHITDS60X55	13550.00
0.75	1	MHEE90SAA6	MHHITES60X75	15390.00
1.1	1.5	MHEE90LBA6	MHHITFS601X1	16880.00
1.5	2	MHEE100LAA6	MHHITGS601X5	23630.00

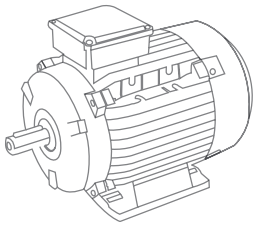
8 Pole -750 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHEE90SAA8	MHHITES80X37	15960.00
0.55	0.75	MHEE90LBA8	MHHITFS80X55	17490.00
0.75	1	MHEE100LAA8	MHHITGS80X75	21500.00
1.1	1.5	MHEE100LBA8	MHHITGS801X1	26170.00

* Class F insulation with temperature rise limited to Class B





Crane Duty

(S4 - 40% CDF, 150 Starts/Hours)

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

4 Pole -1500 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.			List Price in ₹ Per Unit
0.55	0.75	4P	71	MHKE71ZBA4	MHKITCS40X55	11830.00
0.75	1	4P	80	MHKE80ZBA4	MHKITDS40X75	13150.00
1.1	1.5	4P	80	MHKE80ZCA4	MHKITDS401X1	13150.00
1.5	2	4P	90S	MHKE90SAA4	MHKITES401X5	14810.00
2.2	3	4P	90L	MHKE90LBA4	MHKITFS402X2	16920.00
3.7	5	4P	100L	MHKE100LBA4	MHKITGS403X7	22770.00
5.5	7.5	4P	112M	MHKE112MBA4	MHKITHS405X5	30320.00
7.5	10	4P	132S	MHKE132SAA4	MHKITIS407X5	41090.00
9.3	12.5	4P	132M	MHKE132MBA4	MHKITJS409X3	45720.00
11	15	4P	160M	MHKE160MBA4	MHKITKS40011	65500.00
15	20	4P	160M	MHKE160MCA4	MHKITKS40015	74540.00
18.5	25	4P	160L	MHKE160LBA4	MHKITLS418X5	85910.00

6 Pole -1000 r/min

HSN Code: 8501

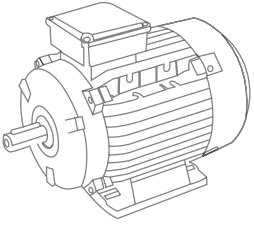
kW	HP	Frame	Cat. Ref.			List Price in ₹ Per Unit
0.75	1	6P	80	MHKE80ZBA6	MHKITDS60X75	14230.00
1.1	1.5	6P	90S	MHKE90SBA6	MHKITES601X1	15240.00
1.5	2	6P	90L	MHKE90LBA6	MHKITFS601X5	17650.00
2.2	3	6P	100L	MHKE100LBA6	MHKITGS602X2	27060.00
3.7	5	6P	112M	MHKE112MBA6	MHKITHS603X7	30430.00
5.5	7.5	6P	132S	MHKE132SBA6	MHKITIS605X5	44720.00
7.5	10	6P	132M	MHKE132MCA6	MHKITJS607X5	52700.00
9.3	12.5	6P	160M	MHKE160MBA6	MHKITKS609X3	78360.00
11	15	6P	160L	MHKE160LBA6	MHKITLS60011	86950.00
15	20	6P	160L	MHKE160LCA6	MHKITLS60015	93010.00

8 Pole -750 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.			List Price in ₹ Per Unit
0.55	0.75	8P	90S	MHKE90SBA8	MHKITES80X55	17120.00
0.75	1	8P	90L	MHKE90LBA8	MHKITFS80X75	17490.00
1.1	1.5	8P	100L	MHKE100LBA8	MHKITGS801X1	21410.00
1.5	2	8P	100L	MHKE100LCA8	MHKITGS801X5	24950.00
2.2	3	8P	112M	MHKE112MBA8	MHKITHS802X2	38790.00
3.7	5	8P	132M	MHKE132MBA8	MHKITJS803X7	60240.00
5.5	7.5	8P	160M	MHKE160MBA8	MHKITKS805X5	75810.00
7.5	10	8P	160L	MHKE160LBA8	MHKITLS807X5	100890.00





Fire Fighting Motors

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)

Horizontal Foot Mounted Induction Motor suitable for 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Class F to F rise, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615:2018, IEC 60034

2 Pole -3000 r/min

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
5.5	7.5	MHFF112MCA2	MHNGTHS29049	33330.00
7.5	10	MHFF112MDA2	MHNGTHS29052	42060.00
9.3	12.5	MHFF132MRA2	MHNGTJS29050	59040.00
11	15	MHFF132MRB2	MHNGTJS29051	63800.00
15	20	MHFF160MZA2	MHNGTKS29058	79200.00
18.5	25	MHFF160MZB2	MHNGTKS29047	104200.00
22	30	MHFF160LZB2	MHNGTLS29046	106330.00
30	40	MHFF180LPG2	MHNGTNS29056	144050.00
37	50	MHFF180LQG2	MHNGTNS29057	162490.00
45	60	MHFF200LRG2	MHNGTOS29055	209000.00
55	75	MMHE225MP2	MHNGTQS29048	266750.00
75	100	MHFF250MP2	MHNGTRS29053	364490.00



Cash Extra for Special Features

HSN Code: 8501

S. No.	Description of Extra Features	List Price in ₹ Per Unit
1	Special shaft extention	
1.1	Double Extension shaft	5% of LP
	Non standard Extension	On enquiry Basis
	a) Dia more than Standard	
	b) Length more than twice of the standard	
1.2	Shaft material - EN 24	10% of LP
1.3	Stainless Steel Shaft 304	15% of LP
2	Mounting	
	Standard flange or face mounting (B14, B5, V1, V18 & V19) or foot cum flange/face mounting (B35, B34, V14, V36).	
2.1	Up to frame 112	Nil
2.2	Frame 132-160	3% of LP
2.3	Frame 180 & above	5% of LP
3	Non-Standard paint shades as per IS:5	
3.1	Epoxy	
3.1.1	Epoxy 631	3% of LP
3.1.2	Paint shade other than Standard	5% of LP
3.2	Non-Epoxy	
	Paint shade other than Standard	5% of LP
3.3	Paint Thickness	
	Rust Coat primer+ PU Paint up to 70 microns	Nil
	For additional thickness up to 150 microns	5% of LP
	For thickness > 150 up to 215 microns	10% of LP
4	Epoxy Gel coating on winding overhang	2% of LP
5	Insulation Class "H"	10% of LP
6	Vacuum Pressure Impregnation (VPI)	
6.1	Upto 160	3% of LP
7	Stainless Steel Hardware	
7.1	Upto Frame 225	Rs. 2500.00*
7.2	Frame 250 and Above	Rs. 4000.00*
8	Non Standard Voltage or Variable Frequency (Range 200 V - 480 V)	3% of LP
9	Multi Speed Motors	
9.1	Single Tapped winding type motor upto 8 Pole (to be taken on higher frame). [Tapped winding is indicated by speed ratio 1:2(e.g. 4/8 or 2/4)]	On enquiry Basis
9.2	Dual Winding e.g. 4/6, 6/8	On enquiry Basis
10	9 Leads / 12 Leads	3% of LP
10.1	Flying lead	3% of LP
11	Enclosure / Types	
11.1	IP 56 / 65 / 66	10% of LP
12	Space Heaters	
12.1	Up to Frame 180	Rs. 4000.00*
12.2	Frame 200 - 355	Rs. 7500.00*
13	PTC Thermistors (without relays)	
13.1	3 N	Rs. 4000.00*
13.2	6 N	Rs. 7800.00*
14	RTD	
14.1	3 N	Rs. 13500.00*
14.2	6 N	Rs. 21600.00*
15	2 Nos. BTD Simplex Type	Rs. 13000.00*
16	Cable Glands	
16.1	Single Compressor Cable Gland Per run of Cable	
	Frame 71-132	Rs. 1400.00*
	Frame 160-225	Rs. 2000.00*
	Frame 250-355	Rs. 2600.00*
16.2	Double Compressor Cable Gland Per run of Cable	
	Frame 71-132	Rs. 2400.00*
	Frame 160-225	Rs. 4400.00*
	Frame 250-355	Rs. 5800.00*
17	Force Cooling Axial Fan IC 416	
17.1	Force Cooling Fan	
	Frame 80 & 90	Rs. 8000.00*
	Frame 100 & 112	Rs. 10000.00*
	Frame 132	Rs. 11000.00*

*All policy discount applicable on above accessories



S. No.	Description of Extra Features	List Price in ₹ Per Unit
	Frame 160	Rs. 12000.00*
	Frame 180	Rs. 18000.00*
	Frame 200	Rs. 27000.00*
	Frame 225	Rs. 30000.00*
	Frame 250	Rs. 40000.00*
	Frame 280	Rs. 50000.00*
	Frame 315	Rs. 60000.00*
	Frame 355	Rs. 70000.00*
17.2	Encoder Arrangement Charges	5% of LP
	Inverter Duty Motor Specification :	
	(a) 1-Phase supply for 80 Frame & 3-Phase Supply from 90 Frame Onwards	
	(b) Standard encoder dimension Size - 15 mm x 30 mm (Ext x Dia) at NDE	
18	Motor Brake Kit	
	Frame 63 5 Nm	Rs. 13610.00*
	Frame 71 5 Nm	Rs. 13610.00*
	Frame 80 10 Nm	Rs. 15380.00*
	Frame 90S 16 Nm	Rs. 17840.00*
	Frame 90L 35 Nm	Rs. 24440.00*
	Frame 100L 35 Nm	Rs. 24440.00*
	Frame 112M 60 Nm	Rs. 26180.00*
	Frame 132S 80 Nm	Rs. 35950.00*
	Frame 132M 150 Nm	Rs. 57410.00*
	Frame 160M 150 Nm	Rs. 57410.00*
	Frame 160L 260 Nm	Rs. 82710.00*
	Frame 180 400 Nm	Rs. 127740.00*
19	Special Bearings	
19.1	Insulated Bearing (NDE Side)	
	250 Frame	Rs.60000.00*
	280 & 315 Frame	Rs.63000.00*
	355 Frame	Rs.72000.00*
19.2	Roller Bearing arrangement on DE Side	
	Frame 160 to 180	Rs.3100.00*
	Frame 200 to 250	Rs.6000.00*
	Frame 280	Rs.8000.00*
	Frame 315 to 355	Nil
20	Charges of Auxillary Box for accessories	Rs. 4600.00*
21	Smoke Extraction Motor (As per EN12101 - 3)	
21.1.1	250° for 2 Hours	25% of LP
21.1.2	300° for 2 Hours	30% of LP
	400° for 2 Hours	60% of LP
	Smoke Motor Specification :	
	Totally Enclosed (TE), 1-Meter Flying lead & Separate Terminal Box Assembly	
22.1	Vibration Level	
	Vibration level shall be as per normal class of IS 12075-1987.	
	For any other value please refer to division.	
	Precesion Class A	10% of LP
22.2	Precesion Class B	20% of LP
23	Finishing & Packing	
	Motor delivered in unpacked condition	No reduction in price
	Motor delivered with only RED oxide primer coat	No recution in price
	Seaworthy / Export packing case for home market	7.5%
24	Testing (As per IS:325-1996)	
24.1	Routine test per Motor	
	Frame 63-132	Rs. 2800.00*
	Frame 160-225	Rs. 4400.00*
	Frame 250-355	Rs. 5900.00*
24.2	Type Test per rating on one Motor	
	Frame 63-132	Rs. 9800.00*
	Frame 160-225	Rs. 15000.00*
	Frame 250-280	Rs. 20000.00*
	Frame 315 and above	Rs. 30000.00*
24.3	Second numeral IP55 test	
	Frame 63-355	Rs. 10000.00*
24.4	Testing with Inverter Drive (Drive to be Provided by Customer)	Rs. 110000.00* per Motor

*All policy discount applicable on above accessories



Wide range of Motors



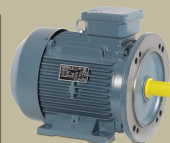
Smoke Extraction
Motor



Foot Mounted
Motor



Flange Motor



Foot cum Flange
Motor



Crane Duty
Motor



Inverter Duty
Motor



Brake Duty
Motor

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