

3 Phase



HAVELLS

Low Voltage Induction Motors



HM-05

LIST PRICE

w.e.f. 1st June, 2026

18% *GST | *Subject to change as per Govt. notification

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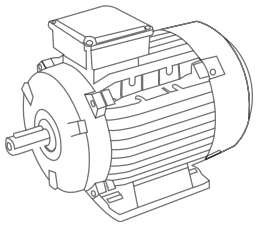
STANDARD PRODUCT SPECIFICATIONS

Type	AC Three Phase Squirrel Cage Induction Motor
Efficiency	Energy Efficient As per IS 12615:2018, IEC 60034-1
Voltage ± Variation	415 V ± 10%
Frequency ± Variation	50 Hz ± 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)
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 - 132	Aluminium alloy
	80 - 355	Cast Iron
Endshield	63 - 112	Aluminium alloy
	80 - 355	Cast iron
Flanged Endshield	63 - 112	Aluminium alloy
	80 - 355	Cast iron
Fan Cover	63 - 71	Industrial nylon grade
	80 - 355	Sheet Metal
Fan	63 - 250	Industrial nylon grade
	280-355	Cast Iron
Terminal Box	63 - 71	Industrial nylon grade
	80 - 160	Sheet Metal
	180- 355	Cast Iron





Super Premium Efficiency - IE4

Cast Iron

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHSP80ZAG2	MHCRTDS20X75	23990.00
1.1	1.5	MHSP80ZBG2	MHCRTDS201X1	26210.00
1.5	2	MHSP90SAG2	MHCRTES201X5	30490.00
2.2	3	MHSP90LAG2	MHCRTFS202X2	39040.00
3.7	5	MHSP100LAG2	MHCRTGS203X7	49240.00
5.5	7.5	MHSP132SAG2	MHCRTIS205X5	82770.00
7.5	10	MHSP132SBG2	MHCRTIS207X5	90280.00
9.3	12.5	MHSP160MAG2	MHCRTKS209X3	149340.00
11	15	MHSP160MBG2	MHCRTKS20011	155010.00
15	20	MHSP160MCG2	MHCRTKS20015	171200.00
18.5	25	MHSP160LAG2	MHCRTLS218X5	200070.00
22	30	MHSP180MAG2	MHCRTMS20022	229250.00
30	40	MHSP200LAG2	MHCRTOS20030	335830.00
37	50	MHSP200LBG2	MHCRTOS20037	409880.00
45	60	MHSP225MAG2	MHCRTQS20045	527460.00
55	75	MHSP250MAG2	MHCRTRS20055	711890.00
75	100	MHSP280SAG2	MHCRTSS20075	934050.00
90	120	MHSP280MAG2	MHCRTTS20090	1078470.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHSP80ZAG4	MHCRTDS40X55	24220.00
0.75	1	MHSP80ZBG4	MHCRTDS40X75	25020.00
1.1	1.5	MHSP90SAG4	MHCRTES401X1	31130.00
1.5	2	MHSP90LAG4	MHCRTFS401X5	36360.00
2.2	3	MHSP100LAG4	MHCRTGS402X2	44400.00
3.7	5	MHSP112MAG4	MHCRTHS403X7	56810.00
5.5	7.5	MHSP132SAG4	MHCRTIS405X5	81990.00
7.5	10	MHSP132MAG4	MHCRTJS407X5	94950.00
9.3	12.5	MHSP160MAG4	MHCRTKS409X3	146600.00
11	15	MHSP160MBG4	MHCRTKS40011	150200.00
15	20	MHSP160LAG4	MHCRTLS40015	181050.00
18.5	25	MHSP180MAG4	MHCRTMS418X5	224620.00
22	30	MHSP180LAG4	MHCRTNS40022	245120.00
30	40	MHSP200LAG4	MHCRTOS40030	331020.00
37	50	MHSP225SAG4	MHCRTPS40037	407370.00
45	60	MHSP225MAG4	MHCRTQS40045	489860.00
55	75	MHSP250MBG4	MHCRTRS40055	658910.00
75	100	MHSP280SAG4	MHCRTSS40075	856230.00
90	120	MHSP280MAG4	MHCRTTS40090	993230.00

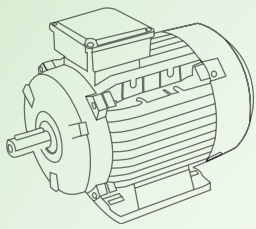
6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHSP80ZAG6	MHCRTDS60X37	26110.00
0.55	0.75	MHSP80ZBG6	MHCRTDS60X55	26830.00
0.75	1	MHSP90SAG6	MHCRTES60X75	31940.00
1.1	1.5	MHSP90LAG6	MHCRTFS601X1	35790.00
1.5	2	MHSP100LAG6	MHCRTGS601X5	49900.00
2.2	3	MHSP112MAG6	MHCRTHS602X2	57150.00
3.7	5	MHSP132SAG6	MHCRTIS603X7	85000.00
5.5	7.5	MHSP132MAG6	MHCRTJS605X5	104070.00
7.5	10	MHSP160MAG6	MHCRTKS607X5	146670.00
9.3	12.5	MHSP160LAG6	MHCRTLS609X3	170860.00
11	15	MHSP160LBG6	MHCRTLS60011	181540.00
15	20	MHSP180LAG6	MHCRTNS60015	231720.00
18.5	25	MHSP200LAG6	MHCRTOS618X5	321990.00
22	30	MHSP200LBG6	MHCRTOS60022	347880.00
30	40	MHSP225MAG6	MHCRTQS60030	481030.00
37	50	MHSP250MAG6	MHCRTRS60037	670180.00
45	60	MHSP280SAG6	MHCRTSS60045	840550.00
55	75	MHSP280MAG6	MHCRTTS60055	960320.00

- VPI treatment as Standard
- Dual coated copper wire as Standard
- Casting grade FG200





Premium Efficiency - IE3

Cast Iron

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHPE80ZAG2	MHCPTDS20X75	17770.00
1.1	1.5	MHPE80ZBG2	MHCPTDS201X1	19410.00
1.5	2	MHPE90SAG2	MHCPTES201X5	22580.00
2.2	3	MHPE90LAG2	MHCPTFS202X2	28920.00
3	4	MHPE100LAG2	MHCPTGS20003	34000.00
3.7	5	MHPE100LBG2	MHCPTGS203X7	36470.00
4	5.5	MHPE112MAG2	MHCPTHS20004	41470.00
5.5	7.5	MHPE132SAG2	MHCPTIS205X5	61310.00
7.5	10	MHPE132SBG2	MHCPTIS207X5	66870.00
9.3	12.5	MHPE160MAG2	MHCPTKS209X3	110620.00
11	15	MHPE160MBG2	MHCPTKS20011	114830.00
15	20	MHPE160MCG2	MHCPTKS20015	126810.00
18.5	25	MHPE160LAG2	MHCPTLS218X5	148190.00
22	30	MHPE180MAG2	MHCPTMS20022	169820.00
30	40	MHPE200LAG2	MHCPTOS20030	248750.00
37	50	MHPE200LBG2	MHCPTOS20037	303610.00
45	60	MHPE225MAG2	MHCPTQS20045	390710.00
55	75	MHPE250MAG2	MHCPTRS20055	527330.00
75	100	MHPE280SAG2	MHCPTSS20075	691890.00
90	120	MHPE280MAG2	MHCPTTS20090	798870.00
110	150	MHPE315SAG2	MHCPTUS20110	978110.00
132	180	MHPE315MAG2	MHCPTVS20132	1199930.00
160	215	MHPE315LAG2	MHCPTWS20160	1317220.00
180	240	MHPE315LBG2	MHCPTWS20180	1397860.00
200	270	MHPE315LCG2	MHCPTWS20200	1528130.00
225	300	MHPE355MAG2	MHCPTYT20225	1687100.00
250	335	MHPE355MBG2	MHCPTYT20250	1785790.00
275	370	MHPE355LAG2	MHCPTZS20275	1839030.00
315	425	MHPE355LBG2	MHCPTZS20315	1936050.00

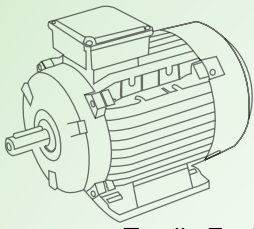
4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHPE80ZAG4	MHCPTDS40X55	17940.00
0.75	1	MHPE80ZBG4	MHCPTDS40X75	18530.00
1.1	1.5	MHPE90SAG4	MHCPTES401X1	23050.00
1.5	2	MHPE90LAG4	MHCPTFS401X5	26940.00
2.2	3	MHPE100LAG4	MHCPTGS402X2	32890.00
3	4	MHPE100LBG4	MHCPTGS40003	35300.00
3.7	5	MHPE112MAG4	MHCPTHS403X7	42090.00
4	5.5	MHPE112MBG4	MHCPTHS40004	44130.00
5.5	7.5	MHPE132SAG4	MHCPTIS405X5	60730.00
7.5	10	MHPE132MAG4	MHCPTJS407X5	70330.00
9.3	12.5	MHPE160MAG4	MHCPTKS409X3	108570.00
11	15	MHPE160MBG4	MHCPTKS40011	111260.00
15	20	MHPE160LAG4	MHCPTLS40015	134100.00
18.5	25	MHPE180MAG4	MHCPTMS418X5	166390.00
22	30	MHPE180LAG4	MHCPTNS40022	181560.00
30	40	MHPE200LAG4	MHCPTOS40030	245200.00
37	50	MHPE225SAG4	MHCPTPS40037	301760.00
45	60	MHPE225MAG4	MHCPTQS40045	362860.00
55	75	MHPE250MAG4	MHCPTRS40055	488080.00
75	100	MHPE280SAG4	MHCPTSS40075	634250.00
90	120	MHPE280MAG4	MHCPTTS40090	735730.00
110	150	MHPE315SAG4	MHCPTUS40110	857620.00
125	170	MHPE315MAG4	MHCPTVS40125	1002910.00
132	180	MHPE315MBG4	MHCPTVS40132	1010030.00
150	200	MHPE315LAG4	MHCPTWS40150	1280970.00
160	215	MHPE315LAG4	MHCPTWS40160	1289390.00
180	240	MHPE315LBG4	MHCPTWS40180	1430380.00
200	270	MHPE315LCG4	MHCPTWS40200	1434540.00
225	300	MHPE355MAG4	MHCPTYT40225	1789400.00
250	335	MHPE355MBG4	MHCPTYT40250	1826580.00
275	370	MHPE355MCG4	MHCPTYT40275	1933500.00
315	425	MHPE355LAG4	MHCPTZS40315	2095500.00

- VPI treatment as Standard
- Dual coated copper wire as Standard
- Casting grade FG200





Premium Efficiency - IE3

Cast Iron

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHPE80ZAG6	MHCPTDS60X37	19350.00
0.55	0.75	MHPE80ZBG6	MHCPTDS60X55	19870.00
0.75	1	MHPE90SAG6	MHCPTES60X75	23650.00
1.1	1.5	MHPE90LAG6	MHCPTFS601X1	26520.00
1.5	2	MHPE100LAG6	MHCPTGS601X5	36960.00
2.2	3	MHPE112MAG6	MHCPTHS602X2	42330.00
3	4	MHPE112MBG6	MHCPTHS60003	43990.00
3.7	5	MHPE132SAG6	MHCPTIS603X7	62970.00
4	5.5	MHPE132SBG6	MHCPTIS60004	65140.00
5.5	7.5	MHPE132MAG6	MHCPTJS605X5	77100.00
7.5	10	MHPE160MAG6	MHCPTKS607X5	108650.00
9.3	12.5	MHPE160LAG6	MHCPTLS609X3	126560.00
11	15	MHPE160LBG6	MHCPTLS60011	134480.00
15	20	MHPE180LAG6	MHCPTNS60015	171640.00
18.5	25	MHPE200LAG6	MHCPTOS618X5	238500.00
22	30	MHPE200LBG6	MHCPTOS60022	257690.00
30	40	MHPE225MAG6	MHCPTQS60030	356320.00
37	50	MHPE250MAG6	MHCPTRS60037	496420.00
45	60	MHPE280SAG6	MHCPTSS60045	622630.00
55	75	MHPE280MAG6	MHCPTTS60055	711350.00
75	100	MHPE315SAG6	MHCPTUS60075	879520.00
90	120	MHPE315MAG6	MHCPTVS60090	1031940.00
110	150	MHPE315MBG6	MHCPTVS60110	1150890.00
132	180	MHPE315LAG6	MHCPTWS60132	1346290.00
160	215	MHPE315LBG6	MHCPTWS60160	1437890.00
180	240	MHPE355MBG6	MHCPTY60180	1792620.00
200	270	MHPE355MCG6	MHCPTY60200	1849490.00
250	335	MHPE355LAG6	MHCPTZS60250	2081720.00

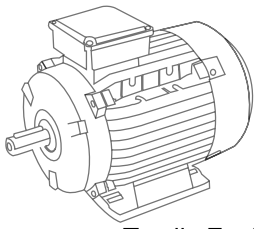
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE80ZAG8	MHCPTDS80X18	19900.00
0.25	0.33	MHPE80ZBG8	MHCPTDS80X25	20410.00
0.37	0.5	MHPE90SAG8	MHCPTES80X37	23430.00
0.55	0.75	MHPE90LBG8	MHCPTFS80X55	25650.00
0.75	1	MHPE100LAG8	MHCPTGS80X75	31530.00
1.1	1.5	MHPE100LBG8	MHCPTGS801X1	38400.00
1.5	2	MHPE112MAG8	MHCPTHS801X5	44450.00
2.2	3	MHPE132SBG8	MHCPTIS802X2	58860.00
3	4	MHPE132MAG8	MHCPTJS80003	72560.00
3.7	5	MHPE160MAG8	MHCPTKS803X7	95690.00
5.5	7.5	MHPE160MBG8	MHCPTKS805X5	125040.00
7.5	10	MHPE160LAG8	MHCPTLS807X5	145220.00
9.3	12.5	MHPE180LAG8	MHCPTNS809X3	180600.00
11	15	MHPE180LBG8	MHCPTNS80011	190490.00
15	20	MHPE200LAG8	MHCPTOS80015	268150.00
18.5	25	MHPE225SAG8	MHCPTPS818X5	344140.00
22	30	MHPE225MBG8	MHCPTQS80022	413660.00
30	40	MHPE250MAG8	MHCPTRS80030	558550.00
37	50	MHPE280SAG8	MHCPTSS80037	745310.00
45	60	MHPE280MAG8	MHCPTTS80045	837660.00
55	75	MHPEE315SAG8	MHCPTUS80055	948640.00
75	100	MHPE315MAG8	MHCPTVS80075	1177910.00
90	120	MHPE315LAG8	MHCPTWS80090	1468900.00
110	150	MHPE315LBG8	MHCPTWS80110	1555040.00
132	180	MHPE355MAG8	MHCPTY80132	1822890.00
160	215	MHPE355MBG8	MHCPTY80160	2093240.00

- VPI treatment as Standard
- Dual coated copper wire as Standard
- Casting grade FG200





High Efficiency - IE2

Cast Iron

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

4 Pole -1500 revolutions per minute

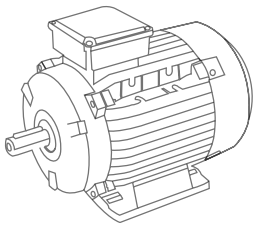
HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHHE80ZAG2	MHCITDS20X75	15850.00
1.1	1.5	MHHE80ZBG2	MHCITDS201X1	17260.00
1.5	2	MHHE90SAG2	MHCITES201X5	20480.00
2.2	3	MHHE90LAG2	MHCITFS202X2	25650.00
3	4	MHHE100LAG2	MHCITGS20003	30090.00
3.7	5	MHHE100LBG2	MHCITGS203X7	31760.00
4	5.5	MHHE112MAG2	MHCITHS20004	37250.00
5.5	7.5	MHHE112MBG2	MHCITHS205X5	46360.00
5.5	7.5	MHHE132SAG2	MHCITIS205X5	55600.00
7.5	10	MHHE132SBG2	MHCITIS207X5	60820.00
9.3	12.5	MHHE132MAG2	MHCITJS209X3	86480.00
9.3	12.5	MHHE160MAG2	MHCITKS209X3	100540.00
11	15	MHHE160MBG2	MHCITKS20011	104410.00
15	20	MHHE160MCG2	MHCITKS20015	113490.00
18.5	25	MHHE160LAG2	MHCITLS218X5	145840.00
22	30	MHHE180MAG2	MHCITMS20022	162900.00
30	40	MHHE200LAG2	MHCITOS20030	223840.00
37	50	MHHE200LBG2	MHCITOS20037	261790.00
45	60	MHHE225MAG2	MHCITQS20045	336820.00
55	75	MHHE250MAG2	MHCITRS20055	475680.00
75	100	MHHE280SAG2	MHCITSS20075	596730.00
90	120	MHHE280MAG2	MHCITTS20090	691680.00
110	150	MHHE315SAG2	MHCITUS20110	921390.00
132	180	MHHE315MBG2	MHCITVS20132	1137410.00
160	215	MHHE315LAG2	MHCITWS20160	1240870.00
180	240	MHHE315LBG2	MHCITWS20180	1340070.00
200	270	MHHE315LCG2	MHCITWS20200	1419150.00
225	300	MHHE355MAG2	MHCITYS20225	1673390.00
250	335	MHHE355MBG2	MHCITYS20250	1678340.00
275	370	MHHE355LAG2	MHCITZS20275	1762360.00
315	425	MHHE355LCG2	MHCITZS20315	1804660.00

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHHE80ZAG4	MHCITDS40X55	15960.00
0.75	1	MHHE80ZBG4	MHCITDS40X75	16480.00
1.1	1.5	MHHE90SAG4	MHCITES401X1	20720.00
1.5	2	MHHE90LAG4	MHCITFS401X5	23940.00
2.2	3	MHHE100LAG4	MHCITGS402X2	29840.00
3	4	MHHE100LBG4	MHCITGS40003	31340.00
3.7	5	MHHE112MAG4	MHCITHS403X7	37940.00
4	5.5	MHHE112MBG4	MHCITHS40004	39440.00
5.5	7.5	MHHE132SAG4	MHCITIS405X5	53010.00
7.5	10	MHHE132MAG4	MHCITJS407X5	60680.00
9.3	12.5	MHHE132MBG4	MHCITJS409X3	80570.00
9.3	12.5	MHHE160MAG4	MHCITKS409X3	96890.00
11	15	MHHE160MBG4	MHCITKS40011	99250.00
15	20	MHHE160LCG4	MHCITLS40015	123470.00
18.5	25	MHHE180MAG4	MHCITMS418X5	148920.00
22	30	MHHE180LAG4	MHCITNS40022	165080.00
30	40	MHHE200LAG4	MHCITOS40030	223000.00
37	50	MHHE225SAG4	MHCITPS40037	265960.00
45	60	MHHE225MAG4	MHCITQS40045	314160.00
55	75	MHHE250MAG4	MHCITRS40055	440120.00
75	100	MHHE280SAG4	MHCITSS40075	555350.00
90	120	MHHE280MAG4	MHCITTS40090	646870.00
110	150	MHHE315SAG4	MHCITUS40110	807980.00
125	170	MHHE315MAG4	MHCITVS40125	933700.00
132	180	MHHE315MBG4	MHCITVS40132	940920.00
150	200	MHHE315LAG4	MHCITWS40150	1105490.00
160	215	MHHE315LBG4	MHCITWS40160	1113280.00
180	240	MHHE315LCG4	MHCITWS40180	1199440.00
200	270	MHHE315LDG4	MHCITWS40200	1242810.00
225	300	MHHE355MAG4	MHCITYS40225	1566790.00
250	335	MHHE355MBG4	MHCITYS40250	1635060.00
275	370	MHHE355MCG4	MHCITYS40275	1767710.00
315	425	MHHE355LAG4	MHCITZS40315	1961100.00

- Frame size 160 & above VPI treatment as Standard
- All 2 Pole Motors VPI treatment as Standard
- Dual coated copper wire as Standard
- Casting grade FG200





High Efficiency - IE2

Cast Iron

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

Induction Motor suitable for continuous duty (S1), 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHHE80ZAG6	MHCITDS60X37	17560.00
0.55	0.75	MHHE80ZBG6	MHCITDS60X55	18010.00
0.75	1	MHHE90SAG6	MHCITES60X75	20550.00
1.1	1.5	MHHE90LAG6	MHCITFS601X1	22550.00
1.5	2	MHHE100LAG6	MHCITGS601X5	31410.00
2.2	3	MHHE112MAG6	MHCITHS602X2	35870.00
3	4	MHHE112MBG6	MHCITHS60003	39440.00
3.7	5	MHHE132SAG6	MHCITIS603X7	56800.00
4	5.5	MHHE132SBG6	MHCITIS60004	58960.00
5.5	7.5	MHHE132MAG6	MHCITJS605X5	66690.00
7.5	10	MHHE160MBG6	MHCITKS607X5	98720.00
9.3	12.5	MHHE160LAG6	MHCITLS609X3	115080.00
11	15	MHHE160LBG6	MHCITLS60011	122050.00
15	20	MHHE180LAG6	MHCITNS60015	149910.00
18.5	25	MHHE200LAG6	MHCITOS618X5	207530.00
22	30	MHHE200LBG6	MHCITOS60022	220840.00
30	40	MHHE225MAG6	MHCITQS60030	317960.00
37	50	MHHE250MBG6	MHCITRS60037	432440.00
45	60	MHHE280SAG6	MHCITSS60045	532660.00
55	75	MHHE280MBG6	MHCITTS60055	611690.00
75	100	MHHE315SAG6	MHCITUS60075	809750.00
90	120	MHHE315MAG6	MHCITVS60090	927970.00
110	150	MHHE315MBG6	MHCITVS60110	1034940.00
132	180	MHHE315LAG6	MHCITWS60132	1217010.00
160	215	MHHE315LBG6	MHCITWS60160	1267010.00
180	240	MHHE355MBG6	MHCITYS60180	1553430.00
200	270	MHHE355MCG6	MHCITYS60200	1602720.00
250	335	MHHE355LAG6	MHCITZS60250	1807390.00

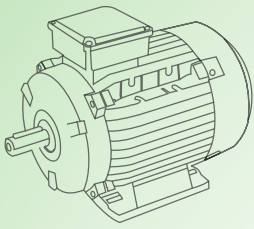
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.3	MHHE80ZAG8	MHCITDS80X18	18120.00
0.25	0.33	MHHE80ZBG8	MHCITDS80X25	18580.00
0.37	0.5	MHHE90SAG8	MHCITES80X37	21230.00
0.55	0.75	MHHE90LAG8	MHCITFS80X55	24330.00
0.75	1	MHHE100LAG8	MHCITGS80X75	28590.00
1.1	1.5	MHHE100LBG8	MHCITGS801X1	32640.00
1.5	2	MHHE112MAG8	MHCITHS801X5	40280.00
2.2	3	MHHE132SBG8	MHCITIS802X2	55830.00
3	4	MHHE132MAG8	MHCITJS80003	66630.00
3.7	5	MHHE160MAG8	MHCITKS803X7	89750.00
5.5	7.5	MHHE160MBG8	MHCITKS805X5	107340.00
7.5	10	MHHE160LAG8	MHCITLS807X5	131590.00
9.3	12.5	MHHE180LAG8	MHCITNS809X3	163630.00
11	15	MHHE180LBG8	MHCITNS80011	172600.00
15	20	MHHE200LAG8	MHCITOS80015	238610.00
18.5	25	MHHE225SAG8	MHCITPS818X5	306200.00
22	30	MHHE225MAG8	MHCITQS80022	368080.00
30	40	MHHE250MAG8	MHCITRS80030	496990.00
37	50	MHHE280SAG8	MHCITSS80037	663170.00
45	60	MHHE280MAG8	MHCITTS80045	731430.00
55	75	MHHEE315SAG8	MHCITUS80055	882470.00
75	100	MHHE315MBG8	MHCITVS80075	1048090.00
90	120	MHHE315LAG8	MHCITWS80090	1307040.00
110	150	MHHE315LBG8	MHCITWS80110	1446430.00
132	180	MHHE355MAG8	MHCITYS80132	1603110.00
160	215	MHHE355MBG8	MHCITYS80160	1862550.00

- Frame size 160 & above VPI treatment as Standard
- All 2 Pole Motors VPI treatment as Standard
- Dual coated copper wire as Standard
- Casting grade FG200





Premium Efficiency - IE3

Aluminium Frames

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

Induction Motor suitable for continuous duty (S1), 415 V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE63ZAA2	MHHPTBS20X18	13160.00
0.25	0.33	MHPE63ZBA2	MHHPTBS20X25	13360.00
0.37	0.5	MHPE71ZAA2	MHHPTCS20X37	13800.00
0.55	0.75	MHPE71ZBA2	MHHPTCS20X55	16030.00
0.75	1	MHPE80ZAA2	MHHPTDS20X75	17770.00
1.1	1.5	MHPE80ZBA2	MHHPTDS201X1	19410.00
1.5	2	MHPE90SAA2	MHHPTES201X5	22580.00
2.2	3	MHPE90LAA2	MHHPTFS202X2	28920.00
3	4	MHPE100LAA2	MHHPTGS20003	34000.00
3.7	5	MHPE100LBA2	MHHPTGS203X7	36470.00
4	5.5	MHPE112MAA2	MHHPTHS20004	41470.00
5.5	7.5	MHPE132SAA2	MHHPTIS205X5	61310.00
7.5	10	MHPE132SBA2	MHHPTIS207X5	66870.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE63ZAA4	MHHPTBS40X18	13360.00
0.25	0.33	MHPE71ZAA4	MHHPTCS40X25	13720.00
0.37	0.5	MHPE71ZBA4	MHHPTCS40X37	14280.00
0.55	0.75	MHPE80ZAA4	MHHPTDS40X55	17940.00
0.75	1	MHPE80ZBA4	MHHPTDS40X75	18530.00
1.1	1.5	MHPE90SAA4	MHHPTES401X1	23050.00
1.5	2	MHPE90LAA4	MHHPTFS401X5	26940.00
2.2	3	MHPE100LAA4	MHHPTGS402X2	32890.00
3	4	MHPE100LBA4	MHHPTGS40003	35300.00
3.7	5	MHPE112MAA4	MHHPTHS403X7	42090.00
4	5.5	MHPE112MBA4	MHHPTHS40004	44130.00
5.5	7.5	MHPE132SAA4	MHHPTIS405X5	60730.00
7.5	10	MHPE132MAA4	MHHPTJS407X5	70330.00

6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE71ZAA6	MHHPTCS60X18	17900.00
0.25	0.33	MHPE71ZBA6	MHHPTCS60X25	18870.00
0.37	0.5	MHPE80ZAA6	MHHPTDS60X37	19350.00
0.55	0.75	MHPE80ZBA6	MHHPTDS60X55	19870.00
0.75	1	MHPE90SAA6	MHHPTES60X75	23650.00
1.1	1.5	MHPE90LBA6	MHHPTFS601X1	26520.00
1.5	2	MHPE100LAA6	MHHPTGS601X5	36960.00
2.2	3	MHPE112MAA6	MHHPTHS602X2	42330.00
3	4	MHPE112MBA6	MHHPTHS60003	43990.00
3.7	5	MHPE132SAA6	MHHPTIS603X7	62970.00
4	5.5	MHPE132SBA6	MHHPTIS60004	65140.00
5.5	7.5	MHPE132MAA6	MHHPTJS605X5	77100.00

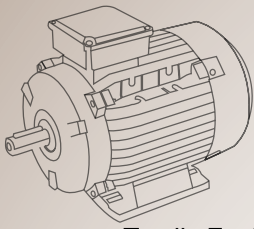
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE80ZAG8	MHHPTDS80X18	19900.00
0.25	0.33	MHPE80ZBG8	MHHPTDS80X25	20410.00
0.37	0.5	MHPE90SAA8	MHHPTES80X37	23430.00
0.55	0.75	MHPE90LAA8	MHHPTFS80X55	25650.00
0.75	1	MHPE100LAA8	MHHPTGS80X75	31530.00
1.1	1.5	MHPE100LBA8	MHHPTGS801X1	38400.00
1.5	2	MHPE112MAA8	MHHPTHS801X5	44450.00
2.2	3	MHPE132SBA8	MHHPTIS802X2	58860.00
3	4	MHPE132MAA8	MHHPTJS80003	72560.00

- All Motors VPI treatment as Standard
- Dual coated copper wire as Standard





High Efficiency - IE2

Aluminium Frames

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHHE63ZAA2	MHHITBS20X18	11480.00
0.25	0.33	MHHE63ZBA2	MHHITBS20X25	11640.00
0.37	0.5	MHHE71ZAA2	MHHITCS20X37	11820.00
0.55	0.75	MHHE71ZBA2	MHHITCS20X55	14250.00
0.75	1	MHHE80ZAA2	MHHITDS20X75	15850.00
1.1	1.5	MHHE80ZBA2	MHHITDS201X1	17260.00
1.5	2	MHHE90SAA2	MHHITES201X5	20480.00
2.2	3	MHHE90LAA2	MHHITFS202X2	25650.00
3	4	MHHE100LAA2	MHHITGS20003	30090.00
3.7	5	MHHE100LBA2	MHHITGS203X7	31760.00
4	5.5	MHHE112MAA2	MHHITHS20004	37250.00
5.5	7.5	MHHE112MBA2	MHHITHS205X5	46360.00
5.5	7.5	MHHE132SAA2	MHHITIS205X5	55600.00
7.5	10	MHHE132SBA2	MHHITIS207X5	60820.00
9.3	12.5	MHHE132MAA2	MHHITJS209X3	86480.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHHE63ZAA4	MHHITBS40X18	11640.00
0.25	0.33	MHHE71ZAA4	MHHITCS40X25	11950.00
0.37	0.50	MHHE71ZBA4	MHHITCS40X37	12440.00
0.55	0.75	MHHE80ZAA4	MHHITDS40X55	15960.00
0.75	1	MHHE80ZBA4	MHHITDS40X75	16480.00
1.1	1.5	MHHE90SAA4	MHHITES401X1	20720.00
1.5	2	MHHE90LAA4	MHHITFS401X5	23940.00
2.2	3	MHHE100LAA4	MHHITGS402X2	29840.00
3	4	MHHE100LBA4	MHHITGS40003	31340.00
3.7	5	MHHE112MAA4	MHHITHS403X7	37940.00
4	5.5	MHHE112MBA4	MHHITHS40004	39440.00
5.5	7.5	MHHE132SAA4	MHHITIS405X5	53010.00
7.5	10	MHHE132MAA4	MHHITJS407X5	60680.00
9.3	12.5	MHHE132MBA4	MHHITJS409X3	80570.00

6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHHE71ZAA6	MHHITCS60X18	15570.00
0.25	0.33	MHHE71ZBA6	MHHITCS60X25	16430.00
0.37	0.5	MHHE80ZAA6	MHHITDS60X37	17560.00
0.55	0.75	MHHE80ZBA6	MHHITDS60X55	18010.00
0.75	1	MHHE90SAA6	MHHITES60X75	20550.00
1.1	1.5	MHHE90LAA6	MHHITFS601X1	22550.00
1.5	2	MHHE100LAA6	MHHITGS601X5	31410.00
2.2	3	MHHE112MAA6	MHHITHS602X2	35870.00
3	4	MHHE112MBA6	MHHITHS60003	39440.00
3.7	5	MHHE132SAA6	MHHITIS603X7	56800.00
4	5.5	MHHE132SBA6	MHHITIS60004	58960.00
5.5	7.5	MHHE132MAA6	MHHITJS605X5	66690.00

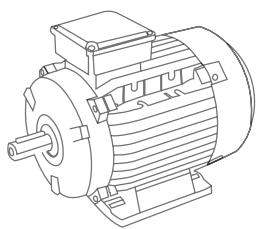
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.3	MHHE80ZAG8	MHHITDS80X18	18120.00
0.25	0.33	MHHE80ZBG8	MHHITDS80X25	18580.00
0.37	0.5	MHHE90SAA8	MHHITES80X37	21230.00
0.55	0.75	MHHE90LAA8	MHHITFS80X55	24330.00
0.75	1	MHHE100LAA8	MHHITGS80X75	28590.00
1.1	1.5	MHHE100LBA8	MHHITGS801X1	32640.00
1.5	2	MHHE112MAA8	MHHITHS801X5	40280.00
2.2	3	MHHE132SBA8	MHHITIS802X2	55830.00
3	4	MHHE132MAA8	MHHITJS80003	66630.00

- All 2 Pole Motors VPI treatment as Standard
- Dual coated copper wire as Standard





High Efficiency - IE2

Brake Motor

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

2 Pole -3000 revolutions per minute

HSN Code: 8501

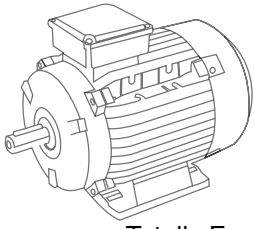
kW	HP	Braking Torque (Nm)	Brake Safety Factor	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	5	8.0	MHBE63ZAA2	MHBITBS20X18	29990.00
0.25	0.33	5	5.8	MHBE63ZBA2	MHBITBS20X25	30150.00
0.37	0.5	5	4.0	MHBE71ZAA2	MHBITCS20X37	30330.00
0.55	0.75	5	2.7	MHBE71ZBA2	MHBITCS20X55	32760.00
0.75	1	10	4.0	MHBE80ZAG2	MHBITDS20X75	36770.00
1.1	1.5	10	2.7	MHBE80ZBG2	MHBITDS201X1	38170.00
1.5	2	16	3.2	MHBE90SAG2	MHBITES201X5	44750.00
2.2	3	16	2.2	MHBE90LAG2	MHBITFS202X2	49900.00
3	4	35	3.5	MHBE100LAG2	MHBITGS20003	63320.00
3.7	5	35	2.9	MHBE100LBG2	MHBITGS203X7	65000.00
4	5.5	35	2.6	MHBE112MAG2	MHBITHS20004	70490.00
5.5	7.5	35	1.9	MHBE112MBG2	MHBITHS205X5	79580.00
5.5	7.5	60	3.3	MHBE132SAG2	MHBITIS205X5	94540.00
7.5	10	60	2.4	MHBE132SBG2	MHBITIS207X5	99740.00
9.3	12.5	80	2.6	MHBE132MAG2	MHBITJS209X3	135360.00
9.3	12.5	80	2.6	MHBE160MAG2	MHBITKS209X3	149420.00
11	15	80	2.2	MHBE160MBG2	MHBITKS20011	153290.00
15	20	100	2.0	MHBE160MCG2	MHBITKS20015	174670.00
18.5	25	150	2.5	MHBE160LAG2	MHBITLS218X5	223910.00
22	30	150	2.1	MHBE180MAG2	MHBITMS20022	240960.00
30	40	260	2.7	MHBE200LAG2	MHBITOS20030	336300.00
37	50	260	2.2	MHBE200LBG2	MHBITOS20037	374250.00
45	60	400	2.7	MHBE225MAG2	MHBITQS20045	510480.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Braking Torque (Nm)	Brake Safety Factor	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	5	3.9	MHBE63ZAA4	MHBITBS40X18	30150.00
0.25	0.33	5	2.8	MHBE71ZAA4	MHBITCS40X25	30470.00
0.37	0.5	5	2.0	MHBE71ZBA4	MHBITCS40X37	30950.00
0.55	0.75	10	2.7	MHBE80ZAG4	MHBITDS40X55	36870.00
0.75	1	10	2.0	MHBE80ZBG4	MHBITDS40X75	37380.00
1.1	1.5	16	2.2	MHBE90SAG4	MHBITES401X1	44980.00
1.5	2	35	3.5	MHBE90LAG4	MHBITFS401X5	57170.00
2.2	3	35	2.4	MHBE100LAG4	MHBITGS402X2	63070.00
3	4	60	3.0	MHBE100LBG4	MHBITGS40003	70260.00
3.7	5	60	2.5	MHBE112MAG4	MHBITHS403X7	76880.00
4	5.5	60	2.3	MHBE112MBG4	MHBITHS40004	78370.00
5.5	7.5	80	2.2	MHBE132SAG4	MHBITIS405X5	101900.00
7.5	10	100	2.0	MHBE132MAG4	MHBITJS407X5	121860.00
9.3	12.5	150	2.4	MHBE132MBG4	MHBITJS409X3	158630.00
9.3	12.5	150	2.5	MHBE160MAG4	MHBITKS409X3	174950.00
11	15	150	2.1	MHBE160MBG4	MHBITKS40011	177300.00
15	20	260	2.6	MHBE160LCG4	MHBITLS40015	235930.00
18.5	25	260	2.1	MHBE180MAG4	MHBITMS418X5	261360.00
22	30	400	2.8	MHBE180LAG4	MHBITNS40022	338730.00
30	40	400	2.0	MHBE200LAG4	MHBITOS40030	396660.00
37	50	600	2.5	MHBE225SAG4	MHBITPS40037	568750.00
45	60	600	2.0	MHBE225MAG4	MHBITQS40045	616950.00





High Efficiency - IE2

Brake Motor

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

6 Pole - 1000 revolutions per minute

HSN Code: 8501

kW	HP	Braking Torque (Nm)	Brake Safety Factor	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	5	2.5	MHBE71ZAA6	MHBITCS60X18	34070.00
0.25	0.33	5	1.8	MHBE71ZBA6	MHBITCS60X25	34940.00
0.37	0.5	10	2.6	MHBE80ZAG6	MHBITDS60X37	38470.00
0.55	0.75	10	1.7	MHBE80ZBG6	MHBITDS60X55	38930.00
0.75	1	16	2.0	MHBE90SAG6	MHBITES60X75	44810.00
1.1	1.5	35	3.0	MHBE90LAG6	MHBITFS601X1	55770.00
1.5	2	35	2.3	MHBE100LAG6	MHBITGS601X5	64650.00
2.2	3	60	2.7	MHBE112MAG6	MHBITHS602X2	74800.00
3	4	60	1.9	MHBE112MBG6	MHBITHS60003	78370.00
3.7	5	80	2.2	MHBE132SAG6	MHBITIS603X7	105680.00
4	5.5	80	2.0	MHBE132SBG6	MHBITIS60004	107840.00
5.5	7.5	150	2.8	MHBE132MAG6	MHBITS605X5	144750.00
7.5	10	150	2.0	MHBE160MBG6	MHBITKS607X5	176770.00
9.3	12.5	260	2.7	MHBE160LAG6	MHBITLS609X3	227530.00
11	15	260	2.4	MHBE160LBG6	MHBITLS60011	234500.00
15	20	400	2.7	MHBE180LAG6	MHBITNS60015	323570.00
18.5	25	400	2.2	MHBE200LAG6	MHBITOS618X5	381200.00
22	30	400	1.9	MHBE200LBG6	MHBITOS60022	394510.00
30	40	600	2.0	MHBE225MAG6	MHBITQS60030	620740.00

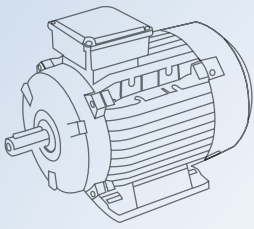
8 Pole - 750 revolutions per minute

HSN Code: 8501

kW	HP	Braking Torque (Nm)	Brake Safety Factor	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	16	3.0	MHBE90SAG8	MHBITES80X37	45480.00
0.55	0.75	16	2.0	MHBE90LAG8	MHBITFS80X55	48600.00
0.75	1	35	3.3	MHBE100LAG8	MHBITGS80X75	61830.00
1.1	1.5	35	2.3	MHBE100LBG8	MHBITGS801X1	65880.00
1.5	2	60	2.9	MHBE112MAG8	MHBITHS801X5	79210.00
2.2	3	80	2.7	MHBE132SBG8	MHBITIS802X2	104700.00
3	4	80	2.0	MHBE132MAG8	MHBITS80003	115500.00
3.7	5	100	2.0	MHBE160MAG8	MHBITKS803X7	150920.00
5.5	7.5	150	2.0	MHBE160MBG8	MHBITKS805X5	185380.00
7.5	10	260	2.6	MHBE160LAG8	MHBITLS807X5	244040.00
9.3	12.5	260	2.0	MHBE180LAG8	MHBITNS09X3	276080.00
11	15	400	2.7	MHBE180LBG8	MHBITNS80011	346260.00
15	20	400	2.0	MHBE200LAG8	MHBITOS80015	412280.00
18.5	25	600	2.4	MHBE225SAG8	MHBITPS818X5	608980.00
22	30	600	2.1	MHBE225MAG8	MHBITQS80022	670870.00

- Frame Size 63 & 71 Aluminum body & frame size 80 and above are in Cast Iron body
- Brake Motor Price includes motor with brake arrangement, Brake & Rectifier
- Brake Type: 190 V, Electromagnetic DC Brake with Manual release handle
- Rectifier : 415 V AC to 190 V DC
- Brake safety factor required low / high can be offer on enquiry basis





High Efficiency Crane Duty

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

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

Induction Motor suitable for intermittent duty (S4), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

4 Pole -1500 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP			
0.37	0.5	0.25	0.33	MHKE71ZAA4	MHHKTCS40X37	12860.00
0.55	0.75	0.37	0.5	MHKE71ZBA4	MHHKTCS40X55	13370.00
0.75	1	0.55	0.75	MHKE80ZAG4	MHCKTDS40X75	17160.00
1.1	1.5	0.75	1	MHKE80ZBG4	MHCKTDS401X1	17720.00
1.5	2	1.1	1.5	MHKE90SAG4	MHCKTES401X5	22280.00
2.2	3	1.5	2	MHKE90LAG4	MHCKTFS402X2	25740.00
3.7	5	2.2	3	MHKE100LAG4	MHCKTGS403X7	32070.00
5.5	7.5	3.7	5	MHKE112MAG4	MHCKTHS405X5	40800.00
7.5	10	5.5	7.5	MHKE132SAG4	MHCKTIS407X5	56990.00
9.3	12.5	7.5	10	MHKE132MAG4	MHCKTJS409X3	65240.00
11	15	9.3	12.5	MHKE160MAG4	MHCKTKS40011	104150.00
15	20	11	15	MHKE160MBG4	MHCKTKS40015	106700.00
18.5	25	15	20	MHKE160LCG4	MHCKTLS418X5	132750.00
22	30	18.5	25	MHKE180MAG4	MHCKTMS40022	160080.00
30	40	22	30	MHKE180LAG4	MHCKTNS40030	177470.00
33	44	30	40	MHKE200LAG4	MHCKTOS40033	239730.00

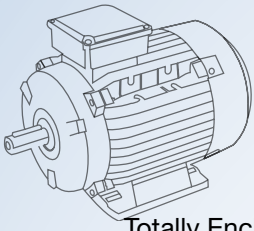
6 Pole -1000 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP			
0.25	0.33	0.18	0.25	MHKE71ZAA6	MHHKTCS60X25	16730.00
0.37	0.5	0.25	0.33	MHKE71ZBA6	MHHKTCS60X37	17660.00
0.55	0.75	0.37	0.5	MHKE80ZAG6	MHCKTDS60X55	18880.00
0.75	1	0.55	0.75	MHKE80ZBG6	MHCKTDS60X75	19380.00
1.1	1.5	0.75	1	MHKE90SAG6	MHCKTES601X1	22110.00
1.5	2	1.1	1.5	MHKE90LAG6	MHCKTFS601X5	24240.00
2.2	3	1.5	2	MHKE100LAG6	MHCKTGS602X2	33780.00
3.7	5	2.2	3	MHKE112MAG6	MHCKTHS603X7	38560.00
5.5	7.5	3.7	5	MHKE132SAG6	MHCKTIS605X5	61060.00
7.5	10	5.5	7.5	MHKE132MAG6	MHCKTJS607X5	71690.00
9.3	12.5	7.5	10	MHKE160MBG6	MHCKTKS609X3	106110.00
11	15	9.3	12.5	MHKE160LAG6	MHCKTLS60011	123730.00
15	20	11	15	MHKE160LBG6	MHCKTLS60015	131200.00
18.5	25	15	20	MHKE180LAG6	MHCKTNS618X5	161160.00
22	30	18.5	25	MHKE200LAG6	MHCKTOS60022	223100.00

- Frame Size 71 Aluminum body & frame size 80 and above are in Cast Iron body
- Above motors are in progressive frame (higher output and S4 duty), standard IEC frame can be offered on request
- Crane duty motors frame size 225 and above can be offered on request





High Efficiency Crane Duty

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

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

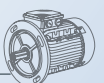
Induction Motor suitable for intermittent duty (S4), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

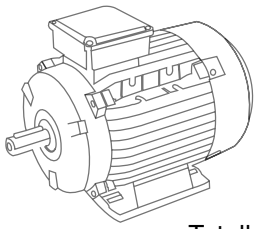
8 Pole -750 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP			
0.37	0.5	0.37	0.5	MHKE90SAG8	MHCKTES80X37	22820.00
0.55	0.75	0.37	0.5	MHKE90SBG8	MHCKTES80X55	22820.00
0.75	1	0.55	0.75	MHKE90LAG8	MHCKTFS80X75	26170.00
1.1	1.50	0.75	1	MHKE100LAG8	MHCKTGS801X1	30750.00
1.5	2	1.1	1.5	MHKE100LBG8	MHCKTGS801X5	35090.00
2.2	3.0	1.5	2	MHKE112MAG8	MHCKTHS802X2	43310.00
3.7	5	2.2	3	MHKE132SBG8	MHCKTIS803X7	60010.00
5.5	7.5	3.7	5	MHKE160MAG8	MHCKTKS805X5	96490.00
7.5	10	5.5	7.5	MHKE160MBG8	MHCKTKS807X5	115390.00
9.3	12.5	7.5	10	MHKE160LAG8	MHCKTLS809X3	141460.00
11	15	9.3	12.5	MHKE180LAG8	MHCKTNS80011	175900.00
15	20	11	15	MHKE180LBG8	MHCKTNS80015	185550.00
17	25	15	20	MHKE200LAG8	MHCKTOS80017	256500.00

- Frame Size 71 Aluminum body & frame size 80 and above are in Cast Iron body
- Above motors are in progressive frame (higher output and S4 duty), standard IEC frame can be offered
- Crane duty motors frame size 225 and above can be offered on request





High Efficiency Crane Duty Brake Motor

(S4 - 40% CDF, 150 Starts/Hours, DOL, with DC Brake)

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

Induction Motor suitable for intermittent duty (S4) for operations on 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

4 Pole -1500 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Braking Torque (Nm)	Brake Safety Factor	Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP					
0.37	0.5	0.25	0.33	5	2.0	MHKE71ZAA4	MHBKTCS40X37	31370.00
0.55	0.75	0.55	0.75	10	2.6	MHKE80ZAG4	MHBKTDS40X55	38070.00
0.75	1	0.55	0.75	10	2.0	MHKE80ZAG4	MHBKTDS40X75	38700.00
1.1	1.5	1.1	1.5	16	2.1	MHKE90SAG4	MHBKTES401X1	46530.00
1.5	2	1.1	1.5	16	1.6	MHKE90SAG4	MHBKTES401X5	46530.00
1.5	2	1.5	2	35	3.5	MHKE90LAG4	MHBKTFS401X5	58970.00
2.2	3	1.5	2	35	2.4	MHKE90LAG4	MHBKTFS402X2	59710.00
3.7	5	2.2	3	60	2.4	MHKE100LAG4	MHBKTGS403X7	71010.00
5.5	7.5	3.7	5	60	1.6	MHKE112MAG4	MHBKTHS405X5	79730.00
5.5	7.5	5.5	7.5	80	2.2	MHKE132SAG4	MHBKTIS405X5	105870.00
7.5	10	5.5	7.5	100	2.0	MHKE132SAG4	MHBKTIS407X5	118160.00
9.3	12.5	7.5	10	150	2.4	MHKE132MAG4	MHBKTJS409X3	143300.00
11	15	9.3	13	150	2.1	MHKE160MAG4	MHBKTKS40011	182220.00
15	20	11	15	260	2.6	MHKE160MBG4	MHBKTKS40015	219150.00
18.5	25	15	20	260	2.1	MHKE160LCG4	MHBKTLS418X5	245190.00
22	30	18.5	25	400	2.8	MHKE180MAG4	MHBKTMS40022	333770.00
30	40	22	30	400	2.0	MHKE180LAG4	MHBKTNS40030	351150.00
33	44	30	40	400	1.9	MHKE200LAG4	MHBKTOS40033	413420.00

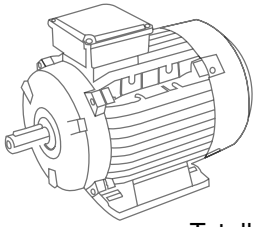
6 Pole -1000 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Braking Torque (Nm)	Brake Safety Factor	Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP					
0.25	0.33	0.18	0.25	5	1.8	MHKE71ZAA6	MHBKTCS60X25	35250.00
0.37	0.5	0.37	0.5	10	2.6	MHKE80ZAG6	MHBKTDS60X37	39800.00
0.55	0.75	0.37	0.5	16	2.8	MHKE80ZAG6	MHBKTDS60X55	43150.00
0.75	1	0.55	0.75	16	2.0	MHKE80ZBG6	MHBKTDS60X75	43640.00
1.1	1.5	0.75	1	35	3.0	MHKE90SAG6	MHBKTES601X1	55330.00
1.5	2	1.1	1.5	35	2.3	MHKE90LAG6	MHBKTFS601X5	57470.00
2.2	3	1.5	2	60	2.7	MHKE100LAG6	MHBKTGS602X2	72710.00
3.7	5	2.2	3	60	1.6	MHKE112MAG6	MHBKTHS603X7	77480.00
3.7	5	3.7	5	80	2.2	MHKE132SAG6	MHBKTIS603X7	109940.00
5.5	7.5	3.7	5	100	1.8	MHKE132SAG6	MHBKTIS605X5	122250.00
5.5	7.5	5.5	7.5	150	2.8	MHKE132MAG6	MHBKTJS605X5	149760.00
7.5	10	5.5	7.5	150	2.0	MHKE132MAG6	MHBKTJS607X5	149760.00
9.3	12.5	9.3	12.5	260	2.7	MHKE160LAG6	MHBKTLS609X3	236170.00
11	15	11	15	260	2.4	MHKE160LBG6	MHBKTLS60011	243650.00
15	20	15	20	400	2.7	MHKE180LAG6	MHBKTNS60015	334840.00
18.5	25	18.5	25	400	2.2	MHKE200LAG6	MHBKTOS618X5	396790.00
22	30	22	30	400	1.8	MHBE200LBG6	MHBKTOS60022	411110.00

- Frame Size 63 & 71 Aluminium body & frame size 80 & above are in Cast Iron body
- Brake Motor Price includes Motor with brake arrangement, Brake & Rectifier.
- Brake Type: 190 V DC, Electromagnetic DC Brake with Manual release handle.
- Rectifier : 415 V AC to 190 V DC
- Crane duty brake motors frame size 225 can be offered on request





High Efficiency Crane Duty Brake Motor

(S4 - 40% CDF, 150 Starts/Hours, DOL, with DC Brake)

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

Induction Motor suitable for intermittent duty (S4) for operations on 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

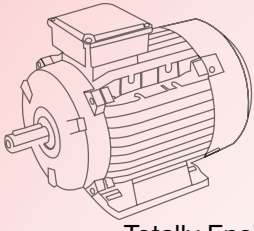
8 Pole - 750 revolutions per minute

HSN Code: 8501

S4 Duty Output (40% CDF, 150 Start stop per hour)		S1 Duty output (IE2)		Braking Torque (Nm)	Brake Safety Factor	Frame Size	Cat. Ref.	List Price in ₹ Per Unit
kW	HP	kW	HP					
0.37	0.5	0.37	0.5	16	3.0	MHBK90SAG8	MHBKTES80X37	47080.00
0.55	0.75	0.37	0.5	16	2.0	MHBK90SAG8	MHBKTES80X55	47730.00
0.75	1	0.55	0.75	35	3.3	MHBK90LAG8	MHBKTF80X75	59400.00
1.1	1.50	0.75	1	35	2.3	MHBK100LAG8	MHBKTS801X1	63970.00
1.5	2	1.1	1.5	60	2.9	MHBK100LBG8	MHBKTS801X5	74020.00
2.2	3.0	1.5	2	60	2.0	MHBK112MAG8	MHBKTHS802X2	82230.00
3.7	5	2.2	3	100	2.0	MHBK132SBG8	MHBKTS803X7	121200.00
5.5	7.5	3.7	5	150	2.0	MHBK160MAG8	MHBKTS805X5	174550.00
7.5	10	5.5	7.5	260	2.6	MHBK160MBG8	MHBKTS807X5	227840.00
9.3	12.5	7.5	10	260	2.0	MHBK160LAG8	MHBKTL809X3	253920.00
11	15	9.3	12.5	400	2.7	MHBK180LAG8	MHBKTS80011	349590.00
15	20	11	15	400	2.0	MHBK180LBG8	MHBKTS80015	359240.00
22	25	15	20	600	2.1	MHBK200LAG8	MHBKTS80022	559290.00

- Frame Size 63 & 71 Aluminium body & frame size 80 & above are in Cast Iron body
- Brake Motor Price includes Motor with brake arrangement, Brake & Rectifier.
- Brake Type: 190 V DC, Electromagnetic DC Brake with Manual release handle.
- Rectifier : 415 V AC to 190 V DC
- Crane duty brake motors frame size 225 can be offered on request





High Efficiency - **IE2**

Fire Fighting Motors

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

Induction Motor suitable for S1 duty, 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class F, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

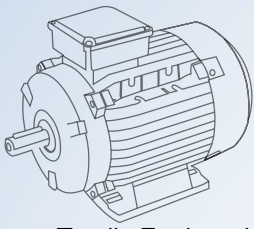
2 Pole -3000 revolutions per minute

HSN Code: 8501

KW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
3.7	5	MHFF100LAG2	MHNGTGSAA0009	31760.00
5.5	7.5	MHFF112MAG2	MHNGTHS29049	44290.00
7.5	10	MHFF112MBG2	MHNGTHS29052	55900.00
9.3	12.5	MHFF132MAG2	MHNGTJS29050	78460.00
11	15	MHFF132MBG2	MHNGTJS29051	84780.00
15	20	MHFF132MCG2	MHNGTJS29054	93270.00
15	20	MHFF160MAG2	MHNGTKS29058	117580.00
18.5	25	MHFF160MBG2	MHNGTKS29047	138460.00
22	30	MHFF160MCG2	MHNGTKSA0010	139880.00
22	30	MHFF160LAG2	MHNGTLS29046	141290.00
26	35	MHFF160LBG2	MHNGTLS29886	166980.00
30	40	MHFF180LAG2	MHNGTNS29056	191410.00
37	50	MHFF180LBG2	MHNGTNS29057	215900.00
45	60	MHFF200LAG2	MHNGTOS29055	277690.00
55	75	MHFF225MAG2	MHNGTQS29048	354410.00
60	80	MHFF225MBG2	MHNGTQS29887	386630.00
67	90	MHFF250MAG2	MHNGTRS29888	432620.00
75	100	MHFF250MBG2	MHNGTRS29053	484250.00
90	120	MHFF280SAG2	MHNGTSS29059	606500.00
110	150	MHFF280MAG2	MHNGTTS29060	709770.00
132	180	MHFF315SAG2	MHNGTUSA0002	944450.00
150	200	MHFF315MBG2	MHNGTVSA0001	1165910.00

- Above Motors are designed for Fire Fighting Pump application only
- Warranty shall be null & void for use in other than fire fighting pump application
- Paint shade Fire Red





Special Applications Motor

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)/Flange mounting (B5)
Induction Motor suitable for 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1

IE2 Gear Box (Silver Series)

- Aluminium body motor
- Paint shade Silver

4 Pole -1500 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHGR63ZAA4	MHAITBS49948	11410.00
0.37	0.5	MHGR71ZAA4	MHAITCS49949	12180.00
0.75	1	MHGR80ZAA4	MHAITDS49950	16140.00
1.1	1.5	MHGR90SAA4	MHAITESB0001	20300.00
1.5	2	MHGR90LAA4	MHAITFSB0001	23450.00

4 Pole -1500 revolutions per minute (Flange)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHGR63ZAA4	MHAITBF49672	11410.00
0.37	0.5	MHGR71ZAA4	MHAITCF49673	12180.00
0.75	1	MHGR80ZAA4	MHAITDF49744	16140.00
1.1	1.5	MHGR90SAA4	MHAITEFB0001	20910.00
1.5	2	MHGR90LAA4	MHAITFFB0001	24180.00

IE2 Atta Chakki

6 Pole -1000 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
7.5	10	MHAT160MAG6	MHNGTKS69605	95750.00
11	15	MHAT160LAG6	MHNGTLS69604	118390.00

IE2 Cane Unloader

- Shaft material EN24
- 3 PTC thermistor
- Force colling method IC416
- Inverter duty motor
- S5 duty 50% CDF
- Insulation class / rise: H/B

6 Pole -1000 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
11	15	MHKE160LZG6	MHNKTLSC0007	223090.00
15	20	MHKE180LZG6	MHNKTNS69842	291050.00
18.5	25	MHKE200LPG6	MHNKTOSC0004	402280.00
22	30	MHKE200LRG6	MHNKTOSC0009	445540.00

IE2 Loom

- Bearing: 6306 2Z/C3
- TEAO / IC418

6 Pole -1000 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
1.5	2	112M	MHNGZHSC0001	37490.00

IE3 Ginning

- Lint free fan cover

4 Pole -1500 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
3.7	5	132S	MHNPTIS49097	57160.00

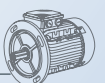
IE2 Treadmill

4 Pole -1500 revolutions per minute (Foot)

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
1.5	2	90L	MHNGTFS49995	24670.00

Other ratings can be offer for above application on request



Flameproof Motors

FlamEx^{series}



STANDARD PRODUCT SPECIFICATIONS

Rated Power	0.18 kW to 55 kW / (0.25 HP to 75 HP)
Voltage \pm Variation	415 V \pm 10%
Frequency \pm Variation	50 Hz \pm 5%
Enclosure	Ex'd' TEFC
Mounting	Foot, Flange, Foot cum Flange
Degree of Protection	IP 55
Class of Insulation	Class F
Temperature Class	T4
Ambient Temp / Temp Rise	50 °C / Limited Class B
Duty	S1
Starting Method	DOL
Method of cooling	IC411
Zone	1 & 2
Gas Group	IIA & IIB
Paint	Smoke Grey
Reference Standard	IS/IEC 60079-0: 2017, IS/IEC 60079-1: 2014
	IEC 60034-30-1: 2014
Other Features available on request	
Voltage	Upto 690 V \pm 10%
Frequency	50 Hz / 60 Hz \pm 5%
Ambient temperature	-20 °C to 60 °C
Class of Insulation	Class H
Degree of Protection	IP 56, 65, 66
Mounting	Face, Foot cum Face, Pad
Duty	S2 to S4 (S3, S4 with 3PTC, Temperature Class T3)
Starting Method	VFD (with 3PTC, Temperature Class T3)
Temperature Class	T3, T5, T6
Paint	As per customer request
Other non Standard Features	Please contact Havells design team for review

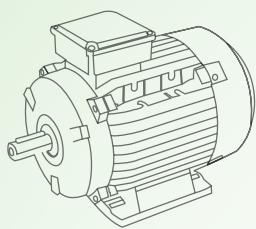
*DGMS certification under process

Features:

Flameproof Motors are designed to work efficiently in explosive atmosphere. Following are the key features:

- Robust design to prevent internal explosion pressure.
- Strong spigotted joints for better ingress and safety from internal explosion.
- Special varnishing and painting treatment to resist highly corrosive environment
- Component assembled with counter holes and good quality socket head cap screws with spring washer along with more thread engagement for better safety.
- Havells Flameproof Motors tested and certified for ingress protection test as per IEC 60034-5: 2006 from NABL test labs. Motor can be offered with IP56, IP65 and IP66 Ingress protection.
- "V Seal", "Oil seal" and "O ring" arrangement provided for better bearing and ingress protection.
- Havells Make Flameproof Motors, terminal box specially designed for easy termination and accommodating bigger size cables.





Premium Efficiency - IE3 FlamExseries

Cast Iron, Flameproof

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1 & Conforms to IS/IEC 60079-0: 2017, IS/IEC 60079-1: 2014, Gas Group IIA, IIB.

2 Pole -3000 revolutions per minute

HSN Code: 8501

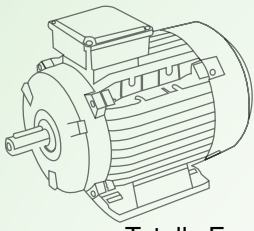
kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD6FDS20X37	29890.00
0.55	0.75	80 FLP	MHD6FDS20X55	33450.00
0.75	1	80 FLP	MHD6FDS20X75	34470.00
1.1	1.5	80 FLP	MHD6FDS201X1	40300.00
1.5	2	90S/L FLP	MHD6FFS201X5	41280.00
2.2	3	90S/L FLP	MHD6FFS202X2	53810.00
3.7	5	100L FLP	MHD6FGS203X7	71530.00
4.5	6	112M FLP	MHD6FHS204X5	92010.00
5.5	7.5	132S/M FLP	MHD6FJS205X5	101410.00
7.5	10	132S/M FLP	MHD6FJS207X5	111990.00
9.3	12.5	132S/M FLP	MHD6FJS209X3	138860.00
9.3	12.5	160M/L FLP	MHD6FKS209X3	211930.00
11	15	160M/L FLP	MHD6FKS20011	220020.00
15	20	160M/L FLP	MHD6FKS20015	233580.00
18.5	25	160M/L FLP	MHD6FLS218X5	265070.00
22	30	180M/L FLP	MHD6FMS20022	304400.00
30	40	200L FLP	MHD6FOS20030	432470.00
37	50	200L FLP	MHD6FOS20037	531030.00
45	60	225S/M FLP	MHD6FQS20045	679580.00
55	75	250M FLP	MHD6FRS20055	869290.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD6FDS40X37	29380.00
0.55	0.75	80 FLP	MHD6FDS40X55	32450.00
0.75	1	80 FLP	MHD6FDS40X75	33720.00
1.1	1.5	90S/L FLP	MHD6FFS401X1	40300.00
1.5	2	90S/L FLP	MHD6FFS401X5	43730.00
2.2	3	100L FLP	MHD6FGS402X2	55590.00
3.7	5	112M FLP	MHD6FHS403X7	70400.00
5.5	7.5	132S/M FLP	MHD6FJS405X5	96810.00
7.5	10	132S/M FLP	MHD6FJS407X5	110270.00
9.3	12.5	132S/M FLP	MHD6FJS409X3	136790.00
9.3	12.5	160M/L FLP	MHD6FKS409X3	156380.00
11	15	160M/L FLP	MHD6FKS40011	160110.00
15	20	160M/L FLP	MHD6FLS40015	194650.00
18.5	25	180M/L FLP	MHD6FMS418X5	242480.00
22	30	180M/L FLP	MHD6FNS40022	286590.00
30	40	200L FLP	MHD6FOS40030	384640.00
37	50	225S/M FLP	MHD6FPS40037	511900.00
45	60	225S/M FLP	MHD6FQS40045	627220.00
55	75	250M FLP	MHD6FRS40055	751710.00





Premium Efficiency - IE3 FlamExseries

Cast Iron, Flameproof

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1 & Conforms to IS/IEC 60079-0: 2017, IS/IEC 60079-1: 2014, Gas Group IIA, IIB.

6 Pole -1000 revolutions per minute

HSN Code: 8501

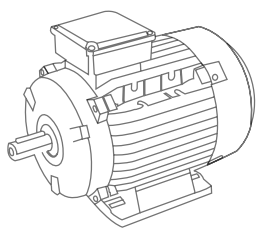
kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.25	0.33	80 FLP	MHD6FDS60X25	32570.00
0.37	0.5	80 FLP	MHD6FDS60X37	34120.00
0.55	0.75	80 FLP	MHD6FDS60X55	36680.00
0.75	1	90S/L FLP	MHD6FFS60X75	42700.00
1.1	1.5	90S/L FLP	MHD6FFS601X1	44000.00
1.5	2	100L FLP	MHD6FGS601X5	63630.00
2.2	3	112M FLP	MHD6FHS602X2	73920.00
3.7	5	132S/M FLP	MHD6FJS603X7	97930.00
5.5	7.5	132S/M FLP	MHD6FJS605X5	118650.00
7.5	10	160M/L FLP	MHD6FKS607X5	197700.00
9.3	12.5	160M/L FLP	MHD6FLS609X3	221490.00
11	15	160M/L FLP	MHD6FLS60011	231320.00
15	20	180M/L FLP	MHD6FNS60015	295430.00
18.5	25	200L FLP	MHD6FOS618X5	370400.00
22	30	200L FLP	MHD6FOS60022	465990.00
30	40	225S/M FLP	MHD6FQS60030	627130.00
37	50	250M FLP	MHD6FRS60037	873710.00

8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	80 FLP	MHD6FDS80X18	38760.00
0.25	0.33	80 FLP	MHD6FDS80X25	40710.00
0.37	0.5	90S/L FLP	MHD6FFS80X37	41210.00
0.55	0.75	90S/L FLP	MHD6FFS80X55	44350.00
0.75	1	100L FLP	MHD6FGS80X75	53630.00
1.1	1.5	100L FLP	MHD6FGS801X1	62360.00
1.5	2	112M FLP	MHD6FHS801X5	74820.00
2.2	3	132S/M FLP	MHD6FJS802X2	98840.00
3.7	5	160M/L FLP	MHD6FKS803X7	175650.00
5.5	7.5	160M/L FLP	MHD6FKS805X5	206340.00
7.5	10	160M/L FLP	MHD6FLS807X5	250450.00
11	15	180M/L FLP	MHD6FNS80011	321900.00
15	20	200L FLP	MHD6FOS80015	453180.00
18.5	25	225S/M FLP	MHD6FPS818X5	581600.00
22	30	225S/M FLP	MHD6FQS80022	699080.00
30	40	250M FLP	MHD6FRS80030	943940.00





High Efficiency - IE2 FlamExseries

Cast Iron, Flameproof

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1 & Conforms to IS/IEC 60079-0: 2017, IS/IEC 60079-1: 2014, Gas Group IIA, IIB.

2 Pole -3000 revolutions per minute

HSN Code: 8501

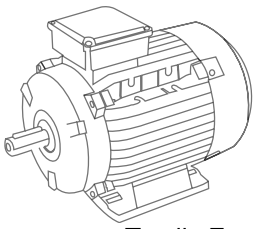
kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD2FDS20X37	28210.00
0.55	0.75	80 FLP	MHD2FDS20X55	31570.00
0.75	1	80 FLP	MHD2FDS20X75	32510.00
1.1	1.5	80 FLP	MHD2FDS201X1	38030.00
1.5	2	90S/L FLP	MHD2FFS201X5	38950.00
2.2	3	90S/L FLP	MHD2FFS202X2	50770.00
3.7	5	100L FLP	MHD2FGS203X7	67480.00
4.5	6	112M FLP	MHD2FHS204X5	86790.00
5.5	7.5	132S/M FLP	MHD2FJS205X5	95670.00
7.5	10	132S/M FLP	MHD2FJS207X5	105650.00
9.3	12.5	132S/M FLP	MHD2FJS209X3	130980.00
9.3	12.5	160M/L FLP	MHD2FKS209X3	199430.00
11	15	160M/L FLP	MHD2FKS20011	207400.00
15	20	160M/L FLP	MHD2FKS20015	220020.00
18.5	25	160M/L FLP	MHD2FLS218X5	249650.00
22	30	180M/L FLP	MHD2FMS20022	285380.00
30	40	200L FLP	MHD2FOS20030	384740.00
37	50	200L FLP	MHD2FOS20037	498890.00
45	60	225S/M FLP	MHD2FQS20045	640780.00
55	75	250M FLP	MHD2FRS20055	822710.00

4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD2FDS40X37	27710.00
0.55	0.75	80 FLP	MHD2FDS40X55	30610.00
0.75	1	80 FLP	MHD2FDS40X75	31820.00
1.1	1.5	90S/L FLP	MHD2FFS401X1	38030.00
1.5	2	90S/L FLP	MHD2FFS401X5	41260.00
2.2	3	100L FLP	MHD2FGS402X2	52430.00
3.7	5	112M FLP	MHD2FHS403X7	66410.00
5.5	7.5	132S/M FLP	MHD2FJS405X5	91330.00
7.5	10	132S/M FLP	MHD2FJS407X5	104030.00
9.3	12.5	160M/L FLP	MHD2FKS409X3	145900.00
11	15	160M/L FLP	MHD2FKS40011	149480.00
15	20	160M/L FLP	MHD2FLS40015	182690.00
18.5	25	180M/L FLP	MHD2FMS418X5	230000.00
22	30	180M/L FLP	MHD2FMS40022	273130.00
30	40	200L FLP	MHD2FOS40030	366050.00
37	50	225S/M FLP	MHD2FPS40037	457310.00
45	60	225S/M FLP	MHD2FQS40045	570500.00
55	75	250M FLP	MHD2FRS40055	734850.00





High Efficiency - IE2 FlamExseries

Cast Iron, Flameproof

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

Induction Motor suitable for continuous duty (S1), 415 V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F' with temperature rise limited to Class B, Degree of protection IP 55, Ambient of 50 °C conforming to IS 12615: 2018, IEC 60034-1 & Conforms to IS/IEC 60079-0: 2017, IS/IEC 60079-1: 2014, Gas Group IIA, IIB.

6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.25	0.33	80 FLP	MHD2FDS60X25	30830.00
0.37	0.5	80 FLP	MHD2FDS60X37	32190.00
0.55	0.75	80 FLP	MHD2FDS60X55	34610.00
0.75	1	90S/L FLP	MHD2FFS60X75	40290.00
1.1	1.5	90S/L FLP	MHD2FFS601X1	41490.00
1.5	2	100L FLP	MHD2FGS601X5	60020.00
2.2	3	112M FLP	MHD2FHS602X2	69740.00
3.7	5	132S/M FLP	MHD2FJS603X7	92390.00
5.5	7.5	132S/M FLP	MHD2FJS605X5	111950.00
7.5	10	160M/L FLP	MHD2FKS607X5	185220.00
9.3	12.5	160M/L FLP	MHD2FLS609X3	208460.00
11	15	160M/L FLP	MHD2FLS60011	217100.00
15	20	180M/L FLP	MHD2FNS60015	279780.00
18.5	25	200L FLP	MHD2FOS618X5	344700.00
22	30	200L FLP	MHD2FOS60022	379380.00
30	40	225S/M FLP	MHD2FQS60030	597550.00
37	50	250M FLP	MHD2FRS60037	761080.00

8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	80 FLP	MHD2FDS80X18	36440.00
0.25	0.33	80 FLP	MHD2FDS80X25	38410.00
0.37	0.5	90S/L FLP	MHD2FFS80X37	39340.00
0.55	0.75	90S/L FLP	MHD2FFS80X55	41840.00
0.75	1	100L FLP	MHD2FGS80X75	50590.00
1.1	1.5	100L FLP	MHD2FGS801X1	58850.00
1.5	2	112M FLP	MHD2FHS801X5	70580.00
2.2	3	132S/M FLP	MHD2FJS802X2	93270.00
3.7	5	160M/L FLP	MHD2FKS803X7	157590.00
5.5	7.5	160M/L FLP	MHD2FKS805X5	185220.00
7.5	10	160M/L FLP	MHD2FLS807X5	226010.00
11	15	180M/L FLP	MHD2FNS80011	291690.00
15	20	200L FLP	MHD2FOS80015	398320.00
18.5	25	225S/M FLP	MHD2FPS818X5	494230.00
22	30	225S/M FLP	MHD2FQS80022	642760.00
30	40	250M FLP	MHD2FRS80030	795290.00



Cash Extra for Non standard 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
1.2	Non standard Extension	5% of LP
	a) Dia more than Standard	On enquiry Basis
	b) Length more than twice of the standard	On enquiry Basis
1.3	Shaft material - EN 24	10% of LP
1.4	Stainless Steel Shaft	20% 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 80	Nil
2.2	Frame 90-160	3% of LP
2.3	Frame 180 & above, B30 mounting all frame	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
3.4	C4 painting with paint shade Epoxy 631	15% of LP
4	Epoxy Gel coating on winding overhang	2% of LP
5	Insulation Class "H"	10% of LP
6	Dual coated copper wire	Nil (as Standard)
7	Vacuum Pressure Impregnation (VPI)	
7.1	Upto 132	3% of LP
	Frame 160 to 355 & all 2 pole motors	Nil (as Standard)
	Frame upto 355 IE3 & IE4	Nil (as Standard)
8	Stainless Steel Hardware	
8.1	Upto Frame 225	Rs. 3000.00*
8.2	Frame 250 and Above	Rs. 5000.00*
9	SS name plate	Rs. 500.00*
10	Additional name plate	Rs. 500.00*
11	Non Standard Voltage & Frequency	4% of LP
12	Multi Speed Motors / Higher Pole	
	a. Single tapped winding (Speed ratio 1:2) e.g. 4/2, 8/4 Pole Motors	10% on ALP of higher polarity
	b. Separate winding e.g. 6/4, 8/6 Pole Motors	17.5% on ALP of higher polarity
12.1	10 Pole motor (Selected frame size)	10% on IE2-8P LP
13	9 Leads / 12 Leads	3% of LP
14	Flying lead length 1meter upto 160 Frame & 1.5 meter 180 & above	4% of LP
15	NTPC type terminal box	3% of LP
16	Intermittent duty S2 / S3	5% of LP
16.1	IE2 / IE3 Intermittent duty S4 / S5	7.5% of LP
17	Motor suitable for -40° C ambient	15% of LP
18	Enclosure / Types	
18.1	IP 56 / 65 / 66 (upto 280 frame)	10% of LP
19	Space Heaters (for FLP motor LP 1.5x)	
19.1	Frame 90 - 180	Rs. 4700.00*
19.2	Frame 200 - 355	Rs. 8800.00*



*All policy discount applicable on above accessories

20	PTC Thermistors - without relays (for FLP motor LP 1.5x)	
20.1	3 Nos (1 per phase)	Rs. 4700.00*
20.2	6 Nos (2 per phase)	Rs. 9000.00*
21	RTD Simplex Type (not applicable for FLP motors)	
21.1	3 Nos (1 per phase)	Rs. 16000.00*
21.2	6 Nos (2 per phase)	Rs. 26000.00*
22	RTD Duplex Type (not applicable for FLP motors)	
22.1	3 Nos (1 per phase)	Rs. 32000.00*
22.2	6 Nos (2 per phase)	Rs. 51000.00*
23	2 Nos. BTD Simplex Type (not applicable for FLP motors)	Rs. 16000.00*
24	2 Nos. BTD Duplex Type (not applicable for FLP motors)	Rs. 30000.00*
25	Cable Glands (not applicable for FLP motors)	
25.1	Single Compression Cable Gland Per run of Cable	
	Frame 71-132	Rs. 1700.00*
	Frame 160-225	Rs. 2400.00*
	Frame 250-355	Rs. 3100.00*
25.2	Double Compression Cable Gland Per run of Cable	
	Frame 71-132	Rs. 2800.00*
	Frame 160-225	Rs. 5100.00*
	Frame 250-355	Rs. 6800.00*
26	Force Cooling Axial Fan IC 416 (additional 3% for VPI upto 132 Frame)	
26.1	Force Cooling Fan (1-Phase for 80 Frame & 3-Phase from 90 Frame Onwards)	
	Frame 80 (230 V-0.1 A-2750 RPM-35 W-500CMPH)	Rs. 11000.00*
	Frame 90 (415 V-0.15 A-2800 RPM-70 W-800CMPH)	Rs. 12000.00*
	Frame 100 (415 V-0.15 A-2800 RPM-85 W-850CMPH)	Rs. 13500.00*
	Frame 112 (415 V-0.18 A-2800 RPM-90 W-900CMPH)	Rs. 15000.00*
	Frame 132 (415 V-0.18 A-2800 RPM-90 W-900CMPH)	Rs. 16000.00*
	Frame 160 (415 V-0.25 A-2650 RPM-130 W-1700CMPH)	Rs. 17000.00*
	Frame 180 (415 V-0.25 A-2650 RPM-130 W-1700CMPH)	Rs. 22000.00*
	Frame 200 (415 V-0.4 A-1440 RPM-160 W-2900CMPH)	Rs. 32000.00*
	Frame 225 (415 V-0.4 A-1440 RPM-160 W-2900CMPH)	Rs. 35000.00*
	Frame 250 (415 V-0.4 A-1440 RPM-160 W-2900CMPH)	Rs. 47000.00*
	Frame 280 (415 V-0.5 A-1350 RPM-220 W-4200CMPH)	Rs. 59000.00*
	Frame 315 (415 V-0.5 A-1350 RPM-220 W-4200CMPH)	Rs. 70000.00*
	Frame 355 (415 V-0.5 A-1350 RPM-220 W-4200CMPH)	Rs. 80000.00*
26.2	Encoder mounting arrangement (Hollow shaft encoder)	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 (Dia x Ext length) at NDE	
27	Metallic Fan	
27.1	Fan Material - Aluminum / Cast Iron	3% of LP
28	Lint free fan cover	3% of LP
28.1	Rain canopy for vertical mounting (outdoor applicatiton)	3% of LP
29	Motor Brake Kit (Include brake arrangement, kit and rectifer)	
	5 Nm (size 6)	Rs. 18500.00*
	10 Nm (size 10)	Rs. 21000.00*
	16 Nm (size 10)	Rs. 24200.00*
	35 Nm (size 12)	Rs. 33300.00*
	60 Nm (size 14)	Rs. 38900.00*
	80 Nm (size 16)	Rs. 48900.00*
	100 Nm (size 16)	Rs. 61300.00*
	150 Nm (size 18)	Rs. 78100.00*
	260 Nm (size 20)	Rs. 112400.00*
	400 Nm (size 25)	Rs. 173300.00*
	600 Nm (size 31)	Rs. 299300.00*

*All policy discount applicable on above accessories



30	Special Bearings	
30.1	Insulated Bearing at NDE Side (recommended for VFD duty motor frame 315 & above)	
	200 & 225 Frame	Rs.75000.00*
	250 Frame	Rs.80000.00*
	280 & 315 Frame	Rs.85000.00*
	355 Frame	Rs.95000.00*
30.2	Roller Bearing on DE Side (recommended for 4-8 Pole V-belt driven applicaton)	
	Frame 160 to 180	Rs.7000.00*
	Frame 200 to 250	Rs.12000.00*
	Frame 280	Rs.15000.00*
	Frame 315 to 355	Rs.20000.00*
30.3	Online Regreasing facility for both bearing	
	Frame 160 to 180 IE2, IE3 & Frame 160 to 225 IE4	5% of LP
30.4	Rubber sealed (2RS) bearing	
30.4.1	Frame 63 to 180 IE2, IE3 & Frame 80 to 225 IE4	2% of LP
31	Angular contact ball bearing	
	Frame 200	Rs.15000.00*
	Frame 225	Rs.18000.00*
	Frame 250	Rs.21000.00*
	Frame 280	Rs.30000.00*
	Frame 315	Rs.35000.00*
	Frame 355	Rs.48000.00*
32	Charges of Auxillary Box for accessories	Rs. 5000.00*
33	Smoke Extraction Motor (As per EN12101-3)	
34.1.1	250° for 2 Hours	25% of LP
35.1.2	300° for 2 Hours	30% of LP
	400° for 2 Hours	60% of LP
	Smoke Motor Specification :	
	Totally Enclosed (TEAO / IC418), 1-Meter Flying lead & Separate Terminal Box Assembly	
36	Vibration Level	
	Vibration level shall be as per normal class of IS 12075-1987, IC 60034-14	
	For any other value please refer to division.	
36.1	Precesion Class A	10% of LP
36.2	Precesion Class B	20% of LP
37	Finishing & Packing	
	Motor delivered in unpacked condition	No reduction in price
	Motor delivered with only primer coat	No recution in price
	Seaworthy / Export packing case for home market	7.5%
38	Testing (As per IS:325-1996)	
38.1	Routine test per Motor	
	Frame 63-132	Rs. 5000.00*
	Frame 160-225	Rs. 9000.00*
	Frame 250-355	Rs. 11000.00*
38.2	Type Test per rating on one Motor	
	Frame 63-132	Rs. 15000.00*
	Frame 160-225	Rs. 20000.00*
	Frame 250-280	Rs. 30000.00*
	Frame 315 and above	Rs. 35000.00*
38.3	Second numeral IP55 test	
	Frame 63-355	Rs. 15000.00*
38.4	Testing with Inverter Drive (Drive to be Provided by Customer)	Rs. 125000.00* per Motor

*All policy discount applicable on above accessories



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