

3 Phase



HAVELLS

Low Voltage Induction Motors



HM-04
LIST PRICE

w.e.f. 1st Feb., 2026

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



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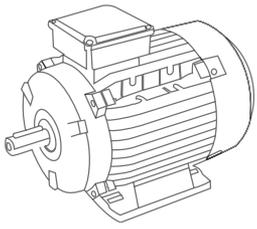
STANDARD PRODUCT SPECIFICATIONS

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 ± 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
0.75	1	MHSP80ZAG2	MHCRTDS20X75	22840.00
1.1	1.5	MHSP80ZBG2	MHCRTDS201X1	24960.00
1.5	2	MHSP90SAG2	MHCRTES201X5	29030.00
2.2	3	MHSP90LAG2	MHCRTFS202X2	37180.00
3.7	5	MHSP100LAG2	MHCRTGS203X7	46890.00
5.5	7.5	MHSP132SAG2	MHCRTIS205X5	78820.00
7.5	10	MHSP132SBG2	MHCRTIS207X5	85980.00
9.3	12.5	MHSP160MAG2	MHCRTKS209X3	142220.00
11	15	MHSP160MBG2	MHCRTKS20011	147620.00
15	20	MHSP160MCG2	MHCRTKS20015	163040.00
18.5	25	MHSP160LAG2	MHCRTLS218X5	190540.00
22	30	MHSP180MAG2	MHCRTMS20022	218330.00
30	40	MHSP200LAG2	MHCRTOS20030	319830.00
37	50	MHSP200LBG2	MHCRTOS20037	390360.00
45	60	MHSP225MAG2	MHCRTQS20045	502340.00
55	75	MHSP250MAG2	MHCRTRS20055	677990.00
75	100	MHSP280SAG2	MHCRTSS20075	889570.00
90	120	MHSP280MAG2	MHCRTTS20090	1027110.00

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	23060.00
0.75	1	MHSP80ZBG4	MHCRTDS40X75	23820.00
1.1	1.5	MHSP90SAG4	MHCRTES401X1	29640.00
1.5	2	MHSP90LAG4	MHCRTFS401X5	34620.00
2.2	3	MHSP100LAG4	MHCRTGS402X2	42280.00
3.7	5	MHSP112MAG4	MHCRTHS403X7	54100.00
5.5	7.5	MHSP132SAG4	MHCRTIS405X5	78080.00
7.5	10	MHSP132MAG4	MHCRTJS407X5	90420.00
9.3	12.5	MHSP160MAG4	MHCRTKS409X3	139610.00
11	15	MHSP160MBG4	MHCRTKS40011	143040.00
15	20	MHSP160LAG4	MHCRTLS40015	172420.00
18.5	25	MHSP180MAG4	MHCRTMS418X5	213920.00
22	30	MHSP180LAG4	MHCRTNS40022	233440.00
30	40	MHSP200LAG4	MHCRTOS40030	315250.00
37	50	MHSP225SAG4	MHCRTPS40037	387970.00
45	60	MHSP225MAG4	MHCRTQS40045	466530.00
55	75	MHSP250MBG4	MHCRTRS40055	627530.00
75	100	MHSP280SAG4	MHCRTSS40075	815450.00
90	120	MHSP280MAG4	MHCRTTS40090	945930.00

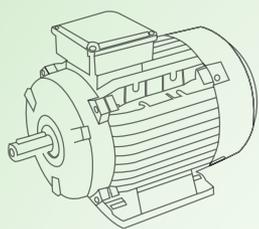
6 Pole -1000 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	MHSP80ZAG6	MHCRTDS60X37	24860.00
0.55	0.75	MHSP80ZBG6	MHCRTDS60X55	25550.00
0.75	1	MHSP90SAG6	MHCRTES60X75	30410.00
1.1	1.5	MHSP90LAG6	MHCRTFS601X1	34080.00
1.5	2	MHSP100LAG6	MHCRTGS601X5	47520.00
2.2	3	MHSP112MAG6	MHCRTHS602X2	54420.00
3.7	5	MHSP132SAG6	MHCRTIS603X7	80950.00
5.5	7.5	MHSP132MAG6	MHCRTJS605X5	99110.00
7.5	10	MHSP160MAG6	MHCRTKS607X5	139680.00
9.3	12.5	MHSP160LAG6	MHCRTLS609X3	162720.00
11	15	MHSP160LBG6	MHCRTLS60011	172890.00
15	20	MHSP180LAG6	MHCRTNS60015	220680.00
18.5	25	MHSP200LAG6	MHCRTOS618X5	306650.00
22	30	MHSP200LBG6	MHCRTOS60022	331310.00
30	40	MHSP225MAG6	MHCRTQS60030	458120.00
37	50	MHSP250MAG6	MHCRTRS60037	638260.00
45	60	MHSP280SAG6	MHCRTSS60045	800520.00
55	75	MHSP280MAG6	MHCRTTS60055	914590.00

- 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	16920.00
1.1	1.5	MHPE80ZBG2	MHCPTDS201X1	18480.00
1.5	2	MHPE90SAG2	MHCPTES201X5	21500.00
2.2	3	MHPE90LAG2	MHCPTFS202X2	27540.00
3	4	MHPE100LAG2	MHCPTGS20003	32380.00
3.7	5	MHPE100LBG2	MHCPTGS203X7	34730.00
4	5.5	MHPE112MAG2	MHCPTHS20004	39490.00
5.5	7.5	MHPE132SAG2	MHCPTIS205X5	58390.00
7.5	10	MHPE132SBG2	MHCPTIS207X5	63680.00
9.3	12.5	MHPE160MAG2	MHCPTKS209X3	105350.00
11	15	MHPE160MBG2	MHCPTKS20011	109360.00
15	20	MHPE160MCG2	MHCPTKS20015	120770.00
18.5	25	MHPE160LAG2	MHCPTLS218X5	141130.00
22	30	MHPE180MAG2	MHCPTMS20022	161730.00
30	40	MHPE200LAG2	MHCPTOS20030	236900.00
37	50	MHPE200LBG2	MHCPTOS20037	289150.00
45	60	MHPE225MAG2	MHCPTQS20045	372100.00
55	75	MHPE250MAG2	MHCPTRS20055	502210.00
75	100	MHPE280SAG2	MHCPTSS20075	658940.00
90	120	MHPE280MAG2	MHCPTTS20090	760820.00
110	150	MHPE315SAG2	MHCPTUS20110	931530.00
132	180	MHPE315MAG2	MHCPTVS20132	1142790.00
160	215	MHPE315LAG2	MHCPTWS20160	1254490.00
180	240	MHPE315LBG2	MHCPTWS20180	1331290.00
200	270	MHPE315LCG2	MHCPTWS20200	1455360.00
225	300	MHPE355MAG2	MHCPTY20225	1606760.00
250	335	MHPE355MBG2	MHCPTY20250	1700750.00
275	370	MHPE355LAG2	MHCPTZS20275	1751450.00
315	425	MHPE355LBG2	MHCPTZS20315	1843850.00

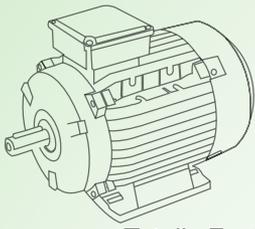
4 Pole -1500 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHPE80ZAG4	MHCPTDS40X55	17080.00
0.75	1	MHPE80ZBG4	MHCPTDS40X75	17640.00
1.1	1.5	MHPE90SAG4	MHCPTES401X1	21950.00
1.5	2	MHPE90LAG4	MHCPTFS401X5	25650.00
2.2	3	MHPE100LAG4	MHCPTGS402X2	31320.00
3	4	MHPE100LBG4	MHCPTGS40003	33610.00
3.7	5	MHPE112MAG4	MHCPTHS403X7	40080.00
4	5.5	MHPE112MBG4	MHCPTHS40004	42020.00
5.5	7.5	MHPE132SAG4	MHCPTIS405X5	57830.00
7.5	10	MHPE132MAG4	MHCPTJS407X5	66980.00
9.3	12.5	MHPE160MAG4	MHCPTKS409X3	103400.00
11	15	MHPE160MBG4	MHCPTKS40011	105960.00
15	20	MHPE160LAG4	MHCPTLS40015	127710.00
18.5	25	MHPE180MAG4	MHCPTMS418X5	158460.00
22	30	MHPE180LAG4	MHCPTNS40022	172910.00
30	40	MHPE200LAG4	MHCPTOS40030	233520.00
37	50	MHPE225SAG4	MHCPTPS40037	287390.00
45	60	MHPE225MAG4	MHCPTQS40045	345580.00
55	75	MHPE250MAG4	MHCPTRS40055	464830.00
75	100	MHPE280SAG4	MHCPTSS40075	604040.00
90	120	MHPE280MAG4	MHCPTTS40090	700690.00
110	150	MHPE315SAG4	MHCPTUS40110	816780.00
125	170	MHPE315MAG4	MHCPTVS40125	955150.00
132	180	MHPE315MBG4	MHCPTVS40132	961930.00
150	200	MHPE315LAG4	MHCPTWS40150	1219970.00
160	215	MHPE315LAG4	MHCPTWS40160	1227990.00
180	240	MHPE315LBG4	MHCPTWS40180	1362260.00
200	270	MHPE315LCG4	MHCPTWS40200	1366220.00
225	300	MHPE355MAG4	MHCPTY20225	1704190.00
250	335	MHPE355MBG4	MHCPTY20250	1739600.00
275	370	MHPE355MCG4	MHCPTY20275	1841420.00
315	425	MHPE355LAG4	MHCPTZS40315	1995710.00

- 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	18420.00
0.55	0.75	MHPE80ZBG6	MHCPTDS60X55	18920.00
0.75	1	MHPE90SAG6	MHCPTES60X75	22520.00
1.1	1.5	MHPE90LAG6	MHCPTFS601X1	25250.00
1.5	2	MHPE100LAG6	MHCPTGS601X5	35200.00
2.2	3	MHPE112MAG6	MHCPTHS602X2	40310.00
3	4	MHPE112MBG6	MHCPTHS60003	41890.00
3.7	5	MHPE132SAG6	MHCPTIS603X7	59970.00
4	5.5	MHPE132SBG6	MHCPTIS60004	62030.00
5.5	7.5	MHPE132MAG6	MHCPTJS605X5	73420.00
7.5	10	MHPE160MAG6	MHCPTKS607X5	103470.00
9.3	12.5	MHPE160LAG6	MHCPTLS609X3	120530.00
11	15	MHPE160LBG6	MHCPTLS60011	128070.00
15	20	MHPE180LAG6	MHCPTNS60015	163460.00
18.5	25	MHPE200LAG6	MHCPTOS618X5	227140.00
22	30	MHPE200LBG6	MHCPTOS60022	245410.00
30	40	MHPE225MAG6	MHCPTQS60030	339350.00
37	50	MHPE250MAG6	MHCPTRS60037	472780.00
45	60	MHPE280SAG6	MHCPTSS60045	592980.00
55	75	MHPE280MAG6	MHCPTTS60055	677470.00
75	100	MHPE315SAG6	MHCPTUS60075	837630.00
90	120	MHPE315MAG6	MHCPTVS60090	982800.00
110	150	MHPE315MBG6	MHCPTVS60110	1096080.00
132	180	MHPE315LAG6	MHCPTWS60132	1282180.00
160	215	MHPE315LBG6	MHCPTWS60160	1369410.00
180	240	MHPE355MBG6	MHCPTY60180	1707250.00
200	270	MHPE355MCG6	MHCPTY60200	1761410.00
250	335	MHPE355LAG6	MHCPTZS60250	1982590.00

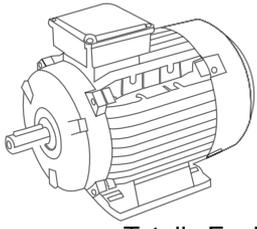
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE80ZAG8	MHCPTDS80X18	18950.00
0.25	0.33	MHPE80ZBG8	MHCPTDS80X25	19430.00
0.37	0.5	MHPE90SAG8	MHCPTES80X37	22310.00
0.55	0.75	MHPE90LBG8	MHCPTFS80X55	24420.00
0.75	1	MHPE100LAG8	MHCPTGS80X75	30020.00
1.1	1.5	MHPE100LBG8	MHCPTGS801X1	36570.00
1.5	2	MHPE112MAG8	MHCPTHS801X5	42330.00
2.2	3	MHPE132SBG8	MHCPTIS802X2	56050.00
3	4	MHPE132MAG8	MHCPTJS80003	69100.00
3.7	5	MHPE160MAG8	MHCPTKS803X7	91130.00
5.5	7.5	MHPE160MBG8	MHCPTKS805X5	119080.00
7.5	10	MHPE160LAG8	MHCPTLS807X5	138300.00
9.3	12.5	MHPE180LAG8	MHCPTNS809X3	172000.00
11	15	MHPE180LBG8	MHCPTNS80011	181410.00
15	20	MHPE200LAG8	MHCPTOS80015	255380.00
18.5	25	MHPE225SAG8	MHCPTPS818X5	327750.00
22	30	MHPE225MBG8	MHCPTQS80022	393960.00
30	40	MHPE250MAG8	MHCPTRS80030	531950.00
37	50	MHPE280SAG8	MHCPTSS80037	709810.00
45	60	MHPE280MAG8	MHCPTTS80045	797770.00
55	75	MHPEE315SAG8	MHCPTUS80055	903460.00
75	100	MHPE315MAG8	MHCPTVS80075	1121810.00
90	120	MHPE315LAG8	MHCPTWS80090	1398950.00
110	150	MHPE315LBG8	MHCPTWS80110	1480990.00
132	180	MHPE355MAG8	MHCPTY80132	1736080.00
160	215	MHPE355MBG8	MHCPTY80160	1993560.00

- 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

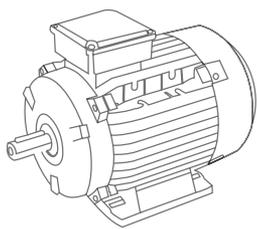
HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.75	1	MHHE80ZAG2	MHCITDS20X75	15090.00
1.1	1.5	MHHE80ZBG2	MHCITDS201X1	16430.00
1.5	2	MHHE90SAG2	MHCITES201X5	19500.00
2.2	3	MHHE90LAG2	MHCITFS202X2	24420.00
3	4	MHHE100LAG2	MHCITGS20003	28650.00
3.7	5	MHHE100LBG2	MHCITGS203X7	30240.00
4	5.5	MHHE112MAG2	MHCITHS20004	35470.00
5.5	7.5	MHHE112MBG2	MHCITHS205X5	44150.00
5.5	7.5	MHHE132SAG2	MHCITIS205X5	52950.00
7.5	10	MHHE132SBG2	MHCITIS207X5	57920.00
9.3	12.5	MHHE132MAG2	MHCITJS209X3	82360.00
9.3	12.5	MHHE160MAG2	MHCITKS209X3	95750.00
11	15	MHHE160MBG2	MHCITKS20011	99430.00
15	20	MHHE160MCG2	MHCITKS20015	108080.00
18.5	25	MHHE160LAG2	MHCITLS218X5	138890.00
22	30	MHHE180MAG2	MHCITMS20022	155140.00
30	40	MHHE200LAG2	MHCITOS20030	213180.00
37	50	MHHE200LBG2	MHCITOS20037	249320.00
45	60	MHHE225MAG2	MHCITQS20045	320780.00
55	75	MHHE250MAG2	MHCITRS20055	453020.00
75	100	MHHE280SAG2	MHCITSS20075	568310.00
90	120	MHHE280MAG2	MHCITTS20090	658740.00
110	150	MHHE315SAG2	MHCITUS20110	877510.00
132	180	MHHE315MBG2	MHCITVS20132	1083240.00
160	215	MHHE315LAG2	MHCITWS20160	1181780.00
180	240	MHHE315LBG2	MHCITWS20180	1276250.00
200	270	MHHE315LCG2	MHCITWS20200	1351570.00
225	300	MHHE355MAG2	MHCITYS20225	1593700.00
250	335	MHHE355MBG2	MHCITYS20250	1598410.00
275	370	MHHE355LAG2	MHCITZS20275	1678430.00
315	425	MHHE355LCG2	MHCITZS20315	1718720.00

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.55	0.75	MHHE80ZAG4	MHCITDS40X55	15200.00
0.75	1	MHHE80ZBG4	MHCITDS40X75	15690.00
1.1	1.5	MHHE90SAG4	MHCITES401X1	19730.00
1.5	2	MHHE90LAG4	MHCITFS401X5	22800.00
2.2	3	MHHE100LAG4	MHCITGS402X2	28410.00
3	4	MHHE100LBG4	MHCITGS40003	29840.00
3.7	5	MHHE112MAG4	MHCITHS403X7	36130.00
4	5.5	MHHE112MBG4	MHCITHS40004	37560.00
5.5	7.5	MHHE132SAG4	MHCITIS405X5	50480.00
7.5	10	MHHE132MAG4	MHCITJS407X5	57790.00
9.3	12.5	MHHE132MBG4	MHCITJS409X3	76730.00
9.3	12.5	MHHE160MAG4	MHCITKS409X3	92270.00
11	15	MHHE160MBG4	MHCITKS40011	94520.00
15	20	MHHE160LCG4	MHCITLS40015	117590.00
18.5	25	MHHE180MAG4	MHCITMS418X5	141820.00
22	30	MHHE180LAG4	MHCITNS40022	157210.00
30	40	MHHE200LAG4	MHCITOS40030	212380.00
37	50	MHHE225SAG4	MHCITPS40037	253290.00
45	60	MHHE225MAG4	MHCITQS40045	299200.00
55	75	MHHE250MAG4	MHCITRS40055	419160.00
75	100	MHHE280SAG4	MHCITSS40075	528900.00
90	120	MHHE280MAG4	MHCITTS40090	616060.00
110	150	MHHE315SAG4	MHCITUS40110	769500.00
125	170	MHHE315MAG4	MHCITVS40125	889230.00
132	180	MHHE315MBG4	MHCITVS40132	896110.00
150	200	MHHE315LAG4	MHCITWS40150	1052840.00
160	215	MHHE315LBG4	MHCITWS40160	1060260.00
180	240	MHHE315LCG4	MHCITWS40180	1142320.00
200	270	MHHE315LDG4	MHCITWS40200	1183620.00
225	300	MHHE355MAG4	MHCITYS40225	1492180.00
250	335	MHHE355MBG4	MHCITYS40250	1557200.00
275	370	MHHE355MCG4	MHCITYS40275	1683530.00
315	425	MHHE355LAG4	MHCITZS40315	1867710.00

- 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 \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	MHHE80ZAG6	MHCITDS60X37	16720.00
0.55	0.75	MHHE80ZBG6	MHCITDS60X55	17150.00
0.75	1	MHHE90SAG6	MHCITES60X75	19570.00
1.1	1.5	MHHE90LAG6	MHCITFS601X1	21470.00
1.5	2	MHHE100LAG6	MHCITGS601X5	29910.00
2.2	3	MHHE112MAG6	MHCITHS602X2	34160.00
3	4	MHHE112MBG6	MHCITHS60003	37560.00
3.7	5	MHHE132SAG6	MHCITIS603X7	54090.00
4	5.5	MHHE132SBG6	MHCITIS60004	56150.00
5.5	7.5	MHHE132MAG6	MHCITJS605X5	63510.00
7.5	10	MHHE160MBG6	MHCITKS607X5	94010.00
9.3	12.5	MHHE160LAG6	MHCITLS609X3	109600.00
11	15	MHHE160LBG6	MHCITLS60011	116230.00
15	20	MHHE180LAG6	MHCITNS60015	142770.00
18.5	25	MHHE200LAG6	MHCITOS618X5	197640.00
22	30	MHHE200LBG6	MHCITOS60022	210320.00
30	40	MHHE225MAG6	MHCITQS60030	302810.00
37	50	MHHE250MBG6	MHCITRS60037	411840.00
45	60	MHHE280SAG6	MHCITSS60045	507290.00
55	75	MHHE280MBG6	MHCITTS60055	582560.00
75	100	MHHE315SAG6	MHCITUS60075	771190.00
90	120	MHHE315MAG6	MHCITVS60090	883780.00
110	150	MHHE315MBG6	MHCITVS60110	985650.00
132	180	MHHE315LAG6	MHCITWS60132	1159050.00
160	215	MHHE315LBG6	MHCITWS60160	1206670.00
180	240	MHHE355MBG6	MHCITYS60180	1479450.00
200	270	MHHE355MCG6	MHCITYS60200	1526400.00
250	335	MHHE355LAG6	MHCITZS60250	1721320.00

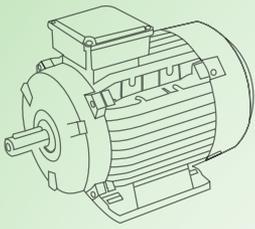
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.3	MHHE80ZAG8	MHCITDS80X18	17250.00
0.25	0.33	MHHE80ZBG8	MHCITDS80X25	17690.00
0.37	0.5	MHHE90SAG8	MHCITES80X37	20210.00
0.55	0.75	MHHE90LAG8	MHCITFS80X55	23170.00
0.75	1	MHHE100LAG8	MHCITGS80X75	27220.00
1.1	1.5	MHHE100LBG8	MHCITGS801X1	31080.00
1.5	2	MHHE112MAG8	MHCITHS801X5	38360.00
2.2	3	MHHE132SBG8	MHCITIS802X2	53170.00
3	4	MHHE132MAG8	MHCITJS80003	63450.00
3.7	5	MHHE160MAG8	MHCITKS803X7	85470.00
5.5	7.5	MHHE160MBG8	MHCITKS805X5	102220.00
7.5	10	MHHE160LAG8	MHCITLS807X5	125320.00
9.3	12.5	MHHE180LAG8	MHCITNS809X3	155830.00
11	15	MHHE180LBG8	MHCITNS80011	164380.00
15	20	MHHE200LAG8	MHCITOS80015	227240.00
18.5	25	MHHE225SAG8	MHCITPS818X5	291610.00
22	30	MHHE225MAG8	MHCITQS80022	350550.00
30	40	MHHE250MAG8	MHCITRS80030	473320.00
37	50	MHHE280SAG8	MHCITSS80037	631590.00
45	60	MHHE280MAG8	MHCITTS80045	696600.00
55	75	MHHEE315SAG8	MHCITUS80055	840440.00
75	100	MHHE315MBG8	MHCITVS80075	998180.00
90	120	MHHE315LAG8	MHCITWS80090	1244800.00
110	150	MHHE315LBG8	MHCITWS80110	1377550.00
132	180	MHHE355MAG8	MHCITYS80132	1526770.00
160	215	MHHE355MBG8	MHCITYS80160	1773850.00

- 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	12530.00
0.25	0.33	MHPE63ZBA2	MHHPTBS20X25	12720.00
0.37	0.5	MHPE71ZAA2	MHHPTCS20X37	13140.00
0.55	0.75	MHPE71ZBA2	MHHPTCS20X55	15260.00
0.75	1	MHPE80ZAA2	MHHPTDS20X75	16920.00
1.1	1.5	MHPE80ZBA2	MHHPTDS201X1	18480.00
1.5	2	MHPE90SAA2	MHHPTES201X5	21500.00
2.2	3	MHPE90LAA2	MHHPTFS202X2	27540.00
3	4	MHPE100LAA2	MHHPTGS20003	32380.00
3.7	5	MHPE100LBA2	MHHPTGS203X7	34730.00
4	5.5	MHPE112MAA2	MHHPTHS20004	39490.00
5.5	7.5	MHPE132SAA2	MHHPTIS205X5	58390.00
7.5	10	MHPE132SBA2	MHHPTIS207X5	63680.00

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	12720.00
0.25	0.33	MHPE71ZAA4	MHHPTCS40X25	13060.00
0.37	0.5	MHPE71ZBA4	MHHPTCS40X37	13600.00
0.55	0.75	MHPE80ZAA4	MHHPTDS40X55	17080.00
0.75	1	MHPE80ZBA4	MHHPTDS40X75	17640.00
1.1	1.5	MHPE90SAA4	MHHPTES401X1	21950.00
1.5	2	MHPE90LAA4	MHHPTFS401X5	25650.00
2.2	3	MHPE100LAA4	MHHPTGS402X2	31320.00
3	4	MHPE100LBA4	MHHPTGS40003	33610.00
3.7	5	MHPE112MAA4	MHHPTHS403X7	40080.00
4	5.5	MHPE112MBA4	MHHPTHS40004	42020.00
5.5	7.5	MHPE132SAA4	MHHPTIS405X5	57830.00
7.5	10	MHPE132MAA4	MHHPTJS407X5	66980.00

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	17040.00
0.25	0.33	MHPE71ZBA6	MHHPTCS60X25	17970.00
0.37	0.5	MHPE80ZAA6	MHHPTDS60X37	18420.00
0.55	0.75	MHPE80ZBA6	MHHPTDS60X55	18920.00
0.75	1	MHPE90SAA6	MHHPTES60X75	22520.00
1.1	1.5	MHPE90LBA6	MHHPTFS601X1	25250.00
1.5	2	MHPE100LAA6	MHHPTGS601X5	35200.00
2.2	3	MHPE112MAA6	MHHPTHS602X2	40310.00
3	4	MHPE112MBA6	MHHPTHS60003	41890.00
3.7	5	MHPE132SAA6	MHHPTIS603X7	59970.00
4	5.5	MHPE132SBA6	MHHPTIS60004	62030.00
5.5	7.5	MHPE132MAA6	MHHPTJS605X5	73420.00

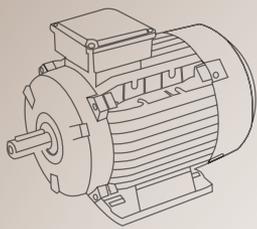
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	MHPE80ZAG8	MHHPTDS80X18	18950.00
0.25	0.33	MHPE80ZBG8	MHHPTDS80X25	19430.00
0.37	0.5	MHPE90SAA8	MHHPTES80X37	22310.00
0.55	0.75	MHPE90LAA8	MHHPTFS80X55	24420.00
0.75	1	MHPE100LAA8	MHHPTGS80X75	30020.00
1.1	1.5	MHPE100LBA8	MHHPTGS801X1	36570.00
1.5	2	MHPE112MAA8	MHHPTHS801X5	42330.00
2.2	3	MHPE132SBA8	MHHPTIS802X2	56050.00
3	4	MHPE132MAA8	MHHPTJS80003	69100.00

- 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	10930.00
0.25	0.33	MHHE63ZBA2	MHHITBS20X25	11080.00
0.37	0.5	MHHE71ZAA2	MHHITCS20X37	11250.00
0.55	0.75	MHHE71ZBA2	MHHITCS20X55	13570.00
0.75	1	MHHE80ZAA2	MHHITDS20X75	15090.00
1.1	1.5	MHHE80ZBA2	MHHITDS201X1	16430.00
1.5	2	MHHE90SAA2	MHHITES201X5	19500.00
2.2	3	MHHE90LAA2	MHHITFS202X2	24420.00
3	4	MHHE100LAA2	MHHITGS20003	28650.00
3.7	5	MHHE100LBA2	MHHITGS203X7	30240.00
4	5.5	MHHE112MAA2	MHHITHS20004	35470.00
5.5	7.5	MHHE112MBA2	MHHITHS205X5	44150.00
5.5	7.5	MHHE132SAA2	MHHITIS205X5	52950.00
7.5	10	MHHE132SBA2	MHHITIS207X5	57920.00
9.3	12.5	MHHE132MAA2	MHHITJS209X3	82360.00

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	11080.00
0.25	0.33	MHHE71ZAA4	MHHITCS40X25	11380.00
0.37	0.50	MHHE71ZBA4	MHHITCS40X37	11840.00
0.55	0.75	MHHE80ZAA4	MHHITDS40X55	15200.00
0.75	1	MHHE80ZBA4	MHHITDS40X75	15690.00
1.1	1.5	MHHE90SAA4	MHHITES401X1	19730.00
1.5	2	MHHE90LAA4	MHHITFS401X5	22800.00
2.2	3	MHHE100LAA4	MHHITGS402X2	28410.00
3	4	MHHE100LBA4	MHHITGS40003	29840.00
3.7	5	MHHE112MAA4	MHHITHS403X7	36130.00
4	5.5	MHHE112MBA4	MHHITHS40004	37560.00
5.5	7.5	MHHE132SAA4	MHHITIS405X5	50480.00
7.5	10	MHHE132MAA4	MHHITJS407X5	57790.00
9.3	12.5	MHHE132MBA4	MHHITJS409X3	76730.00

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	14820.00
0.25	0.33	MHHE71ZBA6	MHHITCS60X25	15640.00
0.37	0.5	MHHE80ZAA6	MHHITDS60X37	16720.00
0.55	0.75	MHHE80ZBA6	MHHITDS60X55	17150.00
0.75	1	MHHE90SAA6	MHHITES60X75	19570.00
1.1	1.5	MHHE90LAA6	MHHITFS601X1	21470.00
1.5	2	MHHE100LAA6	MHHITGS601X5	29910.00
2.2	3	MHHE112MAA6	MHHITHS602X2	34160.00
3	4	MHHE112MBA6	MHHITHS60003	37560.00
3.7	5	MHHE132SAA6	MHHITIS603X7	54090.00
4	5.5	MHHE132SBA6	MHHITIS60004	56150.00
5.5	7.5	MHHE132MAA6	MHHITJS605X5	63510.00

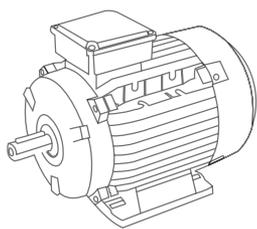
8 Pole -750 revolutions per minute

HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.3	MHHE80ZAG8	MHHITDS80X18	17250.00
0.25	0.33	MHHE80ZBG8	MHHITDS80X25	17690.00
0.37	0.5	MHHE90SAA8	MHHITES80X37	20210.00
0.55	0.75	MHHE90LAA8	MHHITFS80X55	23170.00
0.75	1	MHHE100LAA8	MHHITGS80X75	27220.00
1.1	1.5	MHHE100LBA8	MHHITGS801X1	31080.00
1.5	2	MHHE112MAA8	MHHITHS801X5	38360.00
2.2	3	MHHE132SBA8	MHHITIS802X2	53170.00
3	4	MHHE132MAA8	MHHITJS80003	63450.00

- 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

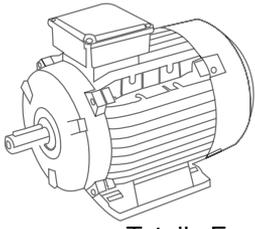
kW	HP	Braking Torque (Nm)	Brake Safety Factor	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.18	0.25	5	8.0	MHBE63ZAA2	MHBITBS20X18	28560.00
0.25	0.33	5	5.8	MHBE63ZBA2	MHBITBS20X25	28710.00
0.37	0.5	5	4.0	MHBE71ZAA2	MHBITCS20X37	28880.00
0.55	0.75	5	2.7	MHBE71ZBA2	MHBITCS20X55	31200.00
0.75	1	10	4.0	MHBE80ZAG2	MHBITDS20X75	35010.00
1.1	1.5	10	2.7	MHBE80ZBG2	MHBITDS201X1	36350.00
1.5	2	16	3.2	MHBE90SAG2	MHBITES201X5	42610.00
2.2	3	16	2.2	MHBE90LAG2	MHBITFS202X2	47520.00
3	4	35	3.5	MHBE100LAG2	MHBITGS20003	60300.00
3.7	5	35	2.9	MHBE100LBG2	MHBITGS203X7	61900.00
4	5.5	35	2.6	MHBE112MAG2	MHBITHS20004	67130.00
5.5	7.5	35	1.9	MHBE112MBG2	MHBITHS205X5	75790.00
5.5	7.5	60	3.3	MHBE132SAG2	MHBITIS205X5	90030.00
7.5	10	60	2.4	MHBE132SBG2	MHBITIS207X5	94990.00
9.3	12.5	80	2.6	MHBE132MAG2	MHBITJS209X3	128910.00
9.3	12.5	80	2.6	MHBE160MAG2	MHBITKS209X3	142300.00
11	15	80	2.2	MHBE160MBG2	MHBITKS20011	145990.00
15	20	100	2.0	MHBE160MCG2	MHBITKS20015	166350.00
18.5	25	150	2.5	MHBE160LAG2	MHBITLS218X5	213240.00
22	30	150	2.1	MHBE180MAG2	MHBITMS20022	229480.00
30	40	260	2.7	MHBE200LAG2	MHBITOS20030	320280.00
37	50	260	2.2	MHBE200LBG2	MHBITOS20037	356420.00
45	60	400	2.7	MHBE225MAG2	MHBITQS20045	486170.00

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	28710.00
0.25	0.33	5	2.8	MHBE71ZAA4	MHBITCS40X25	29010.00
0.37	0.5	5	2.0	MHBE71ZBA4	MHBITCS40X37	29470.00
0.55	0.75	10	2.7	MHBE80ZAG4	MHBITDS40X55	35110.00
0.75	1	10	2.0	MHBE80ZBG4	MHBITDS40X75	35600.00
1.1	1.5	16	2.2	MHBE90SAG4	MHBITES401X1	42830.00
1.5	2	35	3.5	MHBE90LAG4	MHBITFS401X5	54440.00
2.2	3	35	2.4	MHBE100LAG4	MHBITGS402X2	60060.00
3	4	60	3.0	MHBE100LBG4	MHBITGS40003	66910.00
3.7	5	60	2.5	MHBE112MAG4	MHBITHS403X7	73210.00
4	5.5	60	2.3	MHBE112MBG4	MHBITHS40004	74630.00
5.5	7.5	80	2.2	MHBE132SAG4	MHBITIS405X5	97040.00
7.5	10	100	2.0	MHBE132MAG4	MHBITJS407X5	116050.00
9.3	12.5	150	2.4	MHBE132MBG4	MHBITJS409X3	151070.00
9.3	12.5	150	2.5	MHBE160MAG4	MHBITKS409X3	166610.00
11	15	150	2.1	MHBE160MBG4	MHBITKS40011	168850.00
15	20	260	2.6	MHBE160LCG4	MHBITLS40015	224690.00
18.5	25	260	2.1	MHBE180MAG4	MHBITMS418X5	248910.00
22	30	400	2.8	MHBE180LAG4	MHBITNS40022	322600.00
30	40	400	2.0	MHBE200LAG4	MHBITOS40030	377770.00
37	50	600	2.5	MHBE225SAG4	MHBITPS40037	541660.00
45	60	600	2.0	MHBE225MAG4	MHBITQS40045	587570.00





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	32440.00
0.25	0.33	5	1.8	MHBE71ZBA6	MHBITCS60X25	33270.00
0.37	0.5	10	2.6	MHBE80ZAG6	MHBITDS60X37	36630.00
0.55	0.75	10	1.7	MHBE80ZBG6	MHBITDS60X55	37070.00
0.75	1	16	2.0	MHBE90SAG6	MHBITES60X75	42670.00
1.1	1.5	35	3.0	MHBE90LAG6	MHBITFS601X1	53110.00
1.5	2	35	2.3	MHBE100LAG6	MHBITGS601X5	61570.00
2.2	3	60	2.7	MHBE112MAG6	MHBITHS602X2	71230.00
3	4	60	1.9	MHBE112MBG6	MHBITHS60003	74630.00
3.7	5	80	2.2	MHBE132SAG6	MHBITIS603X7	100640.00
4	5.5	80	2.0	MHBE132SBG6	MHBITIS60004	102700.00
5.5	7.5	150	2.8	MHBE132MAG6	MHBITS605X5	137850.00
7.5	10	150	2.0	MHBE160MBG6	MHBITKS607X5	168350.00
9.3	12.5	260	2.7	MHBE160LAG6	MHBITLS609X3	216690.00
11	15	260	2.4	MHBE160LBG6	MHBITLS60011	223330.00
15	20	400	2.7	MHBE180LAG6	MHBITNS60015	308160.00
18.5	25	400	2.2	MHBE200LAG6	MHBITOS618X5	363040.00
22	30	400	1.9	MHBE200LBG6	MHBITOS60022	375720.00
30	40	600	2.0	MHBE225MAG6	MHBITQS60030	591180.00

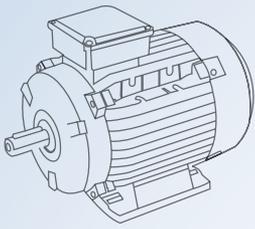
8 Pole - 750 revolutions per minute

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	43310.00
0.55	0.75	16	2.0	MHBE90LAG8	MHBITFS80X55	46280.00
0.75	1	35	3.3	MHBE100LAG8	MHBITGS80X75	58880.00
1.1	1.5	35	2.3	MHBE100LBG8	MHBITGS801X1	62740.00
1.5	2	60	2.9	MHBE112MAG8	MHBITHS801X5	75430.00
2.2	3	80	2.7	MHBE132SBG8	MHBITIS802X2	99710.00
3	4	80	2.0	MHBE132MAG8	MHBITS80003	110000.00
3.7	5	100	2.0	MHBE160MAG8	MHBITKS803X7	143730.00
5.5	7.5	150	2.0	MHBE160MBG8	MHBITKS805X5	176550.00
7.5	10	260	2.6	MHBE160LAG8	MHBITLS807X5	232410.00
9.3	12.5	260	2.0	MHBE180LAG8	MHBITNS09X3	262930.00
11	15	400	2.7	MHBE180LBG8	MHBITNS80011	329770.00
15	20	400	2.0	MHBE200LAG8	MHBITOS80015	392640.00
18.5	25	600	2.4	MHBE225SAG8	MHBITPS818X5	579980.00
22	30	600	2.1	MHBE225MAG8	MHBITQS80022	638920.00

- 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	12240.00
0.55	0.75	0.37	0.5	MHKE71ZBA4	MHHKTCS40X55	12730.00
0.75	1	0.55	0.75	MHKE80ZAG4	MHCKTDS40X75	16340.00
1.1	1.5	0.75	1	MHKE80ZBG4	MHCKTDS401X1	16870.00
1.5	2	1.1	1.5	MHKE90SAG4	MHCKTES401X5	21210.00
2.2	3	1.5	2	MHKE90LAG4	MHCKTFS402X2	24510.00
3.7	5	2.2	3	MHKE100LAG4	MHCKTGS403X7	30540.00
5.5	7.5	3.7	5	MHKE112MAG4	MHCKTHS405X5	38850.00
7.5	10	5.5	7.5	MHKE132SAG4	MHCKTIS407X5	54270.00
9.3	12.5	7.5	10	MHKE132MAG4	MHCKTJS409X3	62130.00
11	15	9.3	12.5	MHKE160MAG4	MHCKTKS40011	99190.00
15	20	11	15	MHKE160MBG4	MHCKTKS40015	101610.00
18.5	25	15	20	MHKE160LCG4	MHCKTLS418X5	126420.00
22	30	18.5	25	MHKE180MAG4	MHCKTMS40022	152450.00
30	40	22	30	MHKE180LAG4	MHCKTNS40030	169010.00
33	44	30	40	MHKE200LAG4	MHCKTOS40033	228310.00

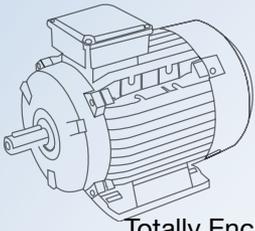
6 Pole -1000 revolutions per minute

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	15930.00
0.37	0.5	0.25	0.33	MHKE71ZBA6	MHHKTCS60X37	16810.00
0.55	0.75	0.37	0.5	MHKE80ZAG6	MHCKTDS60X55	17980.00
0.75	1	0.55	0.75	MHKE80ZBG6	MHCKTDS60X75	18450.00
1.1	1.5	0.75	1	MHKE90SAG6	MHCKTES601X1	21050.00
1.5	2	1.1	1.5	MHKE90LAG6	MHCKTFS601X5	23080.00
2.2	3	1.5	2	MHKE100LAG6	MHCKTGS602X2	32170.00
3.7	5	2.2	3	MHKE112MAG6	MHCKTHS603X7	36720.00
5.5	7.5	3.7	5	MHKE132SAG6	MHCKTIS605X5	58150.00
7.5	10	5.5	7.5	MHKE132MAG6	MHCKTJS607X5	68270.00
9.3	12.5	7.5	10	MHKE160MBG6	MHCKTKS609X3	101050.00
11	15	9.3	12.5	MHKE160LAG6	MHCKTLS60011	117830.00
15	20	11	15	MHKE160LBG6	MHCKTLS60015	124950.00
18.5	25	15	20	MHKE180LAG6	MHCKTNS618X5	153480.00
22	30	18.5	25	MHKE200LAG6	MHCKTOS60022	212470.00

- 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

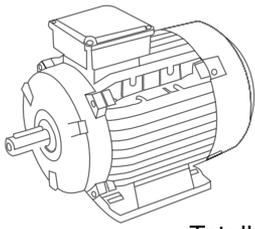
8 Pole -750 revolutions per minute

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	21730.00
0.55	0.75	0.37	0.5	MHKE90SBG8	MHCKTES80X55	21730.00
0.75	1	0.55	0.75	MHKE90LAG8	MHCKTFS80X75	24920.00
1.1	1.50	0.75	1	MHKE100LAG8	MHCKTGS801X1	29280.00
1.5	2	1.1	1.5	MHKE100LBG8	MHCKTGS801X5	33410.00
2.2	3.0	1.5	2	MHKE112MAG8	MHCKTHS802X2	41240.00
3.7	5	2.2	3	MHKE132SBG8	MHCKTIS803X7	57150.00
5.5	7.5	3.7	5	MHKE160MAG8	MHCKTKS805X5	91890.00
7.5	10	5.5	7.5	MHKE160MBG8	MHCKTKS807X5	109890.00
9.3	12.5	7.5	10	MHKE160LAG8	MHCKTLS809X3	134720.00
11	15	9.3	12.5	MHKE180LAG8	MHCKTNS80011	167520.00
15	20	11	15	MHKE180LBG8	MHCKTNS80015	176710.00
17	25	15	20	MHKE200LAG8	MHCKTOS80017	244280.00

- 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	29870.00
0.55	0.75	0.55	0.75	10	2.6	MHKE80ZAG4	MHBKTDS40X55	36250.00
0.75	1	0.55	0.75	10	2.0	MHKE80ZAG4	MHBKTDS40X75	36850.00
1.1	1.5	1.1	1.5	16	2.1	MHKE90SAG4	MHBKTES401X1	44310.00
1.5	2	1.1	1.5	16	1.6	MHKE90SAG4	MHBKTES401X5	44310.00
1.5	2	1.5	2	35	3.5	MHKE90LAG4	MHBKTFS401X5	56160.00
2.2	3	1.5	2	35	2.4	MHKE90LAG4	MHBKTFS402X2	56860.00
3.7	5	2.2	3	60	2.4	MHKE100LAG4	MHBKTGS403X7	67620.00
5.5	7.5	3.7	5	60	1.6	MHKE112MAG4	MHBKTHS405X5	75930.00
5.5	7.5	5.5	7.5	80	2.2	MHKE132SAG4	MHBKTIS405X5	100820.00
7.5	10	5.5	7.5	100	2.0	MHKE132SAG4	MHBKTIS407X5	112530.00
9.3	12.5	7.5	10	150	2.4	MHKE132MAG4	MHBKTJS409X3	136470.00
11	15	9.3	13	150	2.1	MHKE160MAG4	MHBKTKS40011	173540.00
15	20	11	15	260	2.6	MHKE160MBG4	MHBKTKS40015	208710.00
18.5	25	15	20	260	2.1	MHKE160LCG4	MHBKTLS418X5	233510.00
22	30	18.5	25	400	2.8	MHKE180MAG4	MHBKTMS40022	317870.00
30	40	22	30	400	2.0	MHKE180LAG4	MHBKTNS40030	334420.00
33	44	30	40	400	1.9	MHKE200LAG4	MHBKTOS40033	393730.00

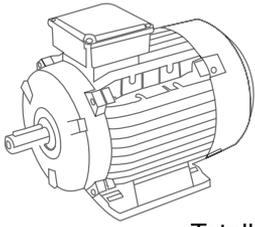
6 Pole -1000 revolutions per minute

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	33570.00
0.37	0.5	0.37	0.5	10	2.6	MHKE80ZAG6	MHBKTDS60X37	37900.00
0.55	0.75	0.37	0.5	16	2.8	MHKE80ZAG6	MHBKTDS60X55	41090.00
0.75	1	0.55	0.75	16	2.0	MHKE80ZBG6	MHBKTDS60X75	41560.00
1.1	1.5	0.75	1	35	3.0	MHKE90SAG6	MHBKTES601X1	52690.00
1.5	2	1.1	1.5	35	2.3	MHKE90LAG6	MHBKTFS601X5	54730.00
2.2	3	1.5	2	60	2.7	MHKE100LAG6	MHBKTGS602X2	69240.00
3.7	5	2.2	3	60	1.6	MHKE112MAG6	MHBKTHS603X7	73790.00
3.7	5	3.7	5	80	2.2	MHKE132SAG6	MHBKTIS603X7	104700.00
5.5	7.5	3.7	5	100	1.8	MHKE132SAG6	MHBKTIS605X5	116420.00
5.5	7.5	5.5	7.5	150	2.8	MHKE132MAG6	MHBKTJS605X5	142620.00
7.5	10	5.5	7.5	150	2.0	MHKE132MAG6	MHBKTJS607X5	142620.00
9.3	12.5	9.3	12.5	260	2.7	MHKE160LAG6	MHBKTLS609X3	224920.00
11	15	11	15	260	2.4	MHKE160LBG6	MHBKTLS60011	232040.00
15	20	15	20	400	2.7	MHKE180LAG6	MHBKTNS60015	318890.00
18.5	25	18.5	25	400	2.2	MHKE200LAG6	MHBKTOS618X5	377890.00
22	30	22	30	400	1.8	MHBE200LBG6	MHBKTOS60022	391530.00

- 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

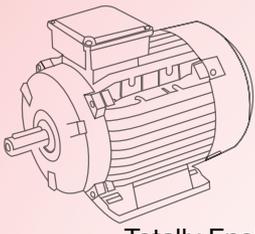
8 Pole - 750 revolutions per minute

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	44830.00
0.55	0.75	0.37	0.5	16	2.0	MHBK90SAG8	MHBKTES80X55	45450.00
0.75	1	0.55	0.75	35	3.3	MHBK90LAG8	MHBKTF80X75	56570.00
1.1	1.50	0.75	1	35	2.3	MHBK100LAG8	MHBKTS801X1	60920.00
1.5	2	1.1	1.5	60	2.9	MHBK100LBG8	MHBKTS801X5	70490.00
2.2	3.0	1.5	2	60	2.0	MHBK112MAG8	MHBKTHS802X2	78310.00
3.7	5	2.2	3	100	2.0	MHBK132SBG8	MHBKTS803X7	115420.00
5.5	7.5	3.7	5	150	2.0	MHBK160MAG8	MHBKTS805X5	166230.00
7.5	10	5.5	7.5	260	2.6	MHBK160MBG8	MHBKTS807X5	216990.00
9.3	12.5	7.5	10	260	2.0	MHBK160LAG8	MHBKTL809X3	241820.00
11	15	9.3	12.5	400	2.7	MHBK180LAG8	MHBKTS80011	332940.00
15	20	11	15	400	2.0	MHBK180LBG8	MHBKTS80015	342130.00
22	25	15	20	600	2.1	MHBK200LAG8	MHBKTS80022	532650.00

- 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

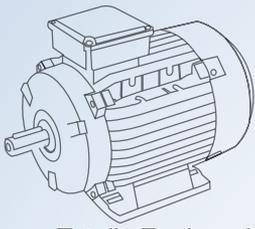
2 Pole -3000 revolutions per minute

HSN Code: 8501

KW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
5.5	7.5	MHFF112MAG2	MHNGTHS29049	42180.00
7.5	10	MHFF112MBG2	MHNGTHS29052	53230.00
9.3	12.5	MHFF132MAG2	MHNGTJS29050	74720.00
11	15	MHFF132MBG2	MHNGTJS29051	80740.00
15	20	MHFF132MCG2	MHNGTJS29054	88820.00
15	20	MHFF160MAG2	MHNGTKS29058	111980.00
18.5	25	MHFF160MBG2	MHNGTKS29047	131860.00
22	30	MHFF160LAG2	MHNGTLS29046	134560.00
26	35	MHFF160LBG2	MHNGTLS29886	159020.00
30	40	MHFF180LAG2	MHNGTNS29056	182290.00
37	50	MHFF180LBG2	MHNGTNS29057	205610.00
45	60	MHFF200LAG2	MHNGTOS29055	264460.00
55	75	MHFF225MAG2	MHNGTQS29048	337530.00
60	80	MHFF225MBG2	MHNGTQS29887	368210.00
67	90	MHFF250MAG2	MHNGTRS29888	412010.00
75	100	MHFF250MBG2	MHNGTRS29053	461190.00
90	120	MHFF280SAG2	MHNGTSS29059	577610.00
110	150	MHFF280MAG2	MHNGTTS29060	675970.00
132	180	MHFF315SAG2	MHNGTUSA0002	899470.00
150	200	MHFF315MBG2	MHNGTVSA0001	1110390.00

- 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	10860.00
0.37	0.5	MHGR71ZAA4	MHAITCS49949	11600.00
0.75	1	MHGR80ZAA4	MHAITDS49950	15370.00
1.1	1.5	MHGR90SAA4	MHAITESB0001	19330.00
1.5	2	MHGR90LAA4	MHAITFSB0001	22330.00

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	10860.00
0.37	0.5	MHGR71ZAA4	MHAITCF49673	11600.00
0.75	1	MHGR80ZAA4	MHAITDF49744	15370.00
1.1	1.5	MHGR90SAA4	MHAITEFB0001	19910.00
1.5	2	MHGR90LAA4	MHAITFFB0001	23020.00

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	91190.00
11	15	MHAT160LAG6	MHNGTLS69604	112750.00

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	212460.00
15	20	MHKE180LZG6	MHNKTN69842	277190.00
18.5	25	MHKE200LPG6	MHNKTOSC0004	383120.00
22	30	MHKE200LRG6	MHNKTOS69857	424320.00

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	35700.00

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	54430.00

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	23490.00

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

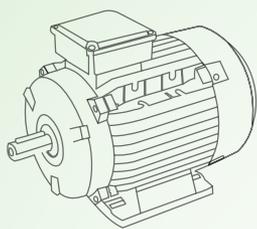
*DGMS certification under process

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.

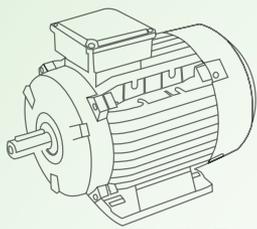
2 Pole -3000 revolutions per minute HSN Code: 8501

kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD6FDS20X37	28460.00
0.55	0.75	80 FLP	MHD6FDS20X55	31850.00
0.75	1	80 FLP	MHD6FDS20X75	32820.00
1.1	1.5	80 FLP	MHD6FDS201X1	38380.00
1.5	2	90S/L FLP	MHD6FFS201X5	39310.00
2.2	3	90S/L FLP	MHD6FFS202X2	51240.00
3.7	5	100L FLP	MHD6FGS203X7	68120.00
4.5	6	112M FLP	MHD6FHS204X5	87620.00
5.5	7.5	132S/M FLP	MHD6FJS205X5	96580.00
7.5	10	132S/M FLP	MHD6FJS207X5	106650.00
9.3	12.5	132S/M FLP	MHD6FJS209X3	132240.00
9.3	12.5	160M/L FLP	MHD6FKS209X3	201830.00
11	15	160M/L FLP	MHD6FKS20011	209540.00
15	20	160M/L FLP	MHD6FKS20015	222450.00
18.5	25	160M/L FLP	MHD6FLS218X5	252440.00
22	30	180M/L FLP	MHD6FMS20022	289900.00
30	40	200L FLP	MHD6FOS20030	411870.00
37	50	200L FLP	MHD6FOS20037	505740.00
45	60	225S/M FLP	MHD6FQS20045	647210.00
55	75	250M FLP	MHD6FRS20055	827890.00

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	27980.00
0.55	0.75	80 FLP	MHD6FDS40X55	30900.00
0.75	1	80 FLP	MHD6FDS40X75	32110.00
1.1	1.5	90S/L FLP	MHD6FFS401X1	38380.00
1.5	2	90S/L FLP	MHD6FFS401X5	41640.00
2.2	3	100L FLP	MHD6FGS402X2	52940.00
3.7	5	112M FLP	MHD6FHS403X7	67040.00
5.5	7.5	132S/M FLP	MHD6FJS405X5	92200.00
7.5	10	132S/M FLP	MHD6FJS407X5	105010.00
9.3	12.5	132S/M FLP	MHD6FJS409X3	130270.00
9.3	12.5	160M/L FLP	MHD6FKS409X3	148930.00
11	15	160M/L FLP	MHD6FKS40011	152480.00
15	20	160M/L FLP	MHD6FLS40015	185380.00
18.5	25	180M/L FLP	MHD6FMS418X5	230930.00
22	30	180M/L FLP	MHD6FNS40022	272940.00
30	40	200L FLP	MHD6FOS40030	366320.00
37	50	225S/M FLP	MHD6FPS40037	487520.00
45	60	225S/M FLP	MHD6FQS40045	597350.00
55	75	250M FLP	MHD6FRS40055	715910.00





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

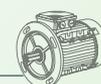
HSN Code: 8501

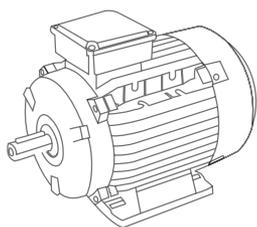
kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.25	0.33	80 FLP	MHD6FDS60X25	31010.00
0.37	0.5	80 FLP	MHD6FDS60X37	32490.00
0.55	0.75	80 FLP	MHD6FDS60X55	34930.00
0.75	1	90S/L FLP	MHD6FFS60X75	40660.00
1.1	1.5	90S/L FLP	MHD6FFS601X1	41900.00
1.5	2	100L FLP	MHD6FGS601X5	60600.00
2.2	3	112M FLP	MHD6FHS602X2	70400.00
3.7	5	132S/M FLP	MHD6FJS603X7	93260.00
5.5	7.5	132S/M FLP	MHD6FJS605X5	113000.00
7.5	10	160M/L FLP	MHD6FKS607X5	188280.00
9.3	12.5	160M/L FLP	MHD6FLS609X3	210940.00
11	15	160M/L FLP	MHD6FLS60011	220300.00
15	20	180M/L FLP	MHD6FNS60015	281360.00
18.5	25	200L FLP	MHD6FOS618X5	352760.00
22	30	200L FLP	MHD6FOS60022	443800.00
30	40	225S/M FLP	MHD6FQS60030	597260.00
37	50	250M FLP	MHD6FRS60037	832100.00

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	36910.00
0.25	0.33	80 FLP	MHD6FDS80X25	38770.00
0.37	0.5	90S/L FLP	MHD6FFS80X37	39240.00
0.55	0.75	90S/L FLP	MHD6FFS80X55	42230.00
0.75	1	100L FLP	MHD6FGS80X75	51070.00
1.1	1.5	100L FLP	MHD6FGS801X1	59390.00
1.5	2	112M FLP	MHD6FHS801X5	71250.00
2.2	3	132S/M FLP	MHD6FJS802X2	94130.00
3.7	5	160M/L FLP	MHD6FKS803X7	167280.00
5.5	7.5	160M/L FLP	MHD6FKS805X5	196510.00
7.5	10	160M/L FLP	MHD6FLS807X5	238520.00
11	15	180M/L FLP	MHD6FNS80011	306570.00
15	20	200L FLP	MHD6FOS80015	431600.00
18.5	25	225S/M FLP	MHD6FPS818X5	553900.00
22	30	225S/M FLP	MHD6FQS80022	665790.00
30	40	250M FLP	MHD6FRS80030	898990.00





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 ± 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 & 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

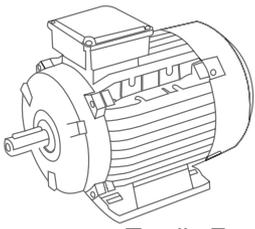
kW	HP	Frame	Cat. Ref.	List Price in ₹ Per Unit
0.37	0.5	80 FLP	MHD2FDS20X37	26860.00
0.55	0.75	80 FLP	MHD2FDS20X55	30060.00
0.75	1	80 FLP	MHD2FDS20X75	30960.00
1.1	1.5	80 FLP	MHD2FDS201X1	36210.00
1.5	2	90S/L FLP	MHD2FFS201X5	37090.00
2.2	3	90S/L FLP	MHD2FFS202X2	48350.00
3.7	5	100L FLP	MHD2FGS203X7	64260.00
4.5	6	112M FLP	MHD2FHS204X5	82650.00
5.5	7.5	132S/M FLP	MHD2FJS205X5	91110.00
7.5	10	132S/M FLP	MHD2FJS207X5	100610.00
9.3	12.5	132S/M FLP	MHD2FJS209X3	124740.00
9.3	12.5	160M/L FLP	MHD2FKS209X3	189930.00
11	15	160M/L FLP	MHD2FKS20011	197520.00
15	20	160M/L FLP	MHD2FKS20015	209540.00
18.5	25	160M/L FLP	MHD2FLS218X5	237760.00
22	30	180M/L FLP	MHD2FMS20022	271790.00
30	40	200L FLP	MHD2FOS20030	366410.00
37	50	200L FLP	MHD2FOS20037	475130.00
45	60	225S/M FLP	MHD2FQS20045	610260.00
55	75	250M FLP	MHD2FRS20055	783530.00

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	26390.00
0.55	0.75	80 FLP	MHD2FDS40X55	29150.00
0.75	1	80 FLP	MHD2FDS40X75	30300.00
1.1	1.5	90S/L FLP	MHD2FFS401X1	36210.00
1.5	2	90S/L FLP	MHD2FFS401X5	39290.00
2.2	3	100L FLP	MHD2FGS402X2	49930.00
3.7	5	112M FLP	MHD2FHS403X7	63240.00
5.5	7.5	132S/M FLP	MHD2FJS405X5	86980.00
7.5	10	132S/M FLP	MHD2FJS407X5	99070.00
9.3	12.5	160M/L FLP	MHD2FKS409X3	138950.00
11	15	160M/L FLP	MHD2FKS40011	142360.00
15	20	160M/L FLP	MHD2FLS40015	173990.00
18.5	25	180M/L FLP	MHD2FMS418X5	219040.00
22	30	180M/L FLP	MHD2FMS40022	260120.00
30	40	200L FLP	MHD2FOS40030	348610.00
37	50	225S/M FLP	MHD2FPS40037	435530.00
45	60	225S/M FLP	MHD2FQS40045	543330.00
55	75	250M FLP	MHD2FRS40055	699850.00





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	29360.00
0.37	0.5	80 FLP	MHD2FDS60X37	30650.00
0.55	0.75	80 FLP	MHD2FDS60X55	32960.00
0.75	1	90S/L FLP	MHD2FFS60X75	38370.00
1.1	1.5	90S/L FLP	MHD2FFS601X1	39510.00
1.5	2	100L FLP	MHD2FGS601X5	57160.00
2.2	3	112M FLP	MHD2FHS602X2	66410.00
3.7	5	132S/M FLP	MHD2FJS603X7	87990.00
5.5	7.5	132S/M FLP	MHD2FJS605X5	106610.00
7.5	10	160M/L FLP	MHD2FKS607X5	176400.00
9.3	12.5	160M/L FLP	MHD2FLS609X3	198530.00
11	15	160M/L FLP	MHD2FLS60011	206760.00
15	20	180M/L FLP	MHD2FNS60015	266450.00
18.5	25	200L FLP	MHD2FOS618X5	328280.00
22	30	200L FLP	MHD2FOS60022	361310.00
30	40	225S/M FLP	MHD2FQS60030	569090.00
37	50	250M FLP	MHD2FRS60037	724830.00

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	34700.00
0.25	0.33	80 FLP	MHD2FDS80X25	36580.00
0.37	0.5	90S/L FLP	MHD2FFS80X37	37460.00
0.55	0.75	90S/L FLP	MHD2FFS80X55	39840.00
0.75	1	100L FLP	MHD2FGS80X75	48180.00
1.1	1.5	100L FLP	MHD2FGS801X1	56040.00
1.5	2	112M FLP	MHD2FHS801X5	67210.00
2.2	3	132S/M FLP	MHD2FJS802X2	88820.00
3.7	5	160M/L FLP	MHD2FKS803X7	150080.00
5.5	7.5	160M/L FLP	MHD2FKS805X5	176400.00
7.5	10	160M/L FLP	MHD2FLS807X5	215240.00
11	15	180M/L FLP	MHD2FNS80011	277800.00
15	20	200L FLP	MHD2FOS80015	379350.00
18.5	25	225S/M FLP	MHD2FPS818X5	470690.00
22	30	225S/M FLP	MHD2FQS80022	612150.00
30	40	250M FLP	MHD2FRS80030	757410.00



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. 17600.00*
	10 Nm (size 10)	Rs. 20000.00*
	16 Nm (size 10)	Rs. 23000.00*
	35 Nm (size 12)	Rs. 31700.00*
	60 Nm (size 14)	Rs. 37000.00*
	80 Nm (size 16)	Rs. 46500.00*
	100 Nm (size 16)	Rs. 58300.00*
	150 Nm (size 18)	Rs. 74300.00*
	260 Nm (size 20)	Rs. 107000.00*
	400 Nm (size 25)	Rs. 165000.00*
	600 Nm (size 31)	Rs. 285000.00*

*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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