



HAVELLS

Energy Efficient 3 Phase LV Induction Motors



LIST PRICE

w.e.f. 5th April, 2018

- IE3 & IE2
- Standard 8 Pole Motors
- Brake Motor
- Inverter Duty

CE IE3 IE2

HAVELLS-LAFERT MOTORS

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







About us

Havells India Ltd is a billion-dollar-plus organization, and is one of the largest & India's fastest growing electrical and power distribution equipment manufacturer with products ranging from Industrial & Domestic Circuit Protection Switchgear, Cables & Wires, Motors, Fans, Power Capacitors, CFL Lamps, Luminaires for Domestic, Commercial & Industrial applications, Modular Switches, Water Heaters and Domestic Appliances covering the entire gamut of household, commercial and industrial electrical needs.

Havells owns some of the prestigious global brands like Crabtree, Sylvania, Concord, Luminance & Standard.

With 94 branches / representative offices and over 8000 professionals in over 50 countries across the globe, the group has achieved rapid success in the past few years. Its 15 state-of-the-art manufacturing units in India located at Haridwar, Baddi, Noida, Faridabad, Alwar, Neemrana, and 6 state-of-the-art manufacturing plants located across Europe, Latin America & Africa churn out globally acclaimed products. Havells is a name synonymous with excellence and expertise in the electrical industry. Its 20000 strong global distribution network is prompt to service customers.

To add to the existing state-of-the-art manufacturing plants, Havells has now started a world class Motor Plant at Neemrana (Rajasthan). It is one of the largest LV Motor Plant in Asia spread over 42 acres and is manufacturing energy efficient motors ranging from 0.12HP to 470HP.

The plant has a capacity of manufacturing over 20000 motors per month. The state-of-the-art plant and machinery has been imported from AEG Spain.

Some of the salient features of the plant and the product are :

- Largest single location motor plant in India
- VPI facility for VPI impregnation
- Automatic winding lines upto 250 frames
- Automatic plant drying & conveyerise station
- Automatic test plant upto 355 frame
- All critical operation are done on CNC machines
- Motors have 6 leads for VFD application

Havells is committed to manufacturing excellence and providing world class quality products at affordable prices. Havells offers a complete solution which is not only safe and reliable but also saves energy. We continue the same tradition with our motors.

STANDARD PRODUCT SPECIFICATIONS

Motor Type	AC Three Phase Squirrel Cage Induction Motor
Efficiency	Energy Efficient As per IS 12615:2014, IEC 60034-30-2014
Voltage ± Variation	415 Volts ± 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 1000M
Relative Humidity	Upto 100%
Degree of Protection	IP 55 (As per IS 4691)
Class of Insulation	Class 'F'
Ambient Temp / Temp Rise	50°C / 70°C
Duty / Rating	S1 / Continuous (As per IS 325)
Position of Terminal Box	Top
Direction of Rotation	Bi-directional
Grease Type	Lithium Based Grease
Cooling	Shaft Mounted Fan
Paint	RAL 9005 (For Special Motors)
	Smoke Grey (For IE2 & IE3)

MATERIAL SPECIFICATIONS

Motor parts	Frame size	Material
Stator frame	63 - 160 80 - 355	Aluminium alloy Cast iron
Endshield	63 - 112 90 - 355	Aluminium alloy Cast iron
Flanged endshield	63 - 112 90 - 355	Aluminium alloy Cast iron
Fan cover	63 - 71 71 - 355	Industrial nylon grade Sheet steel
Fan	63 - 355	Industrial nylon grade
Terminal box	63 - 71 71 - 160 160- 355	Industrial nylon grade Aluminium alloy Sheet steel / Cast iron



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Standard Motors



Special Motors



Premium Series - (IE3)

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

Horizontal Foot Mounted Induction Motor suitable for 415V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50°C conforming to IS 12615:2014, IEC 60034-30-2014

2 Pole -3000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.50	MHPE71ZAA2	MHHPTCS20X37	6,465
0.55	0.75	MHPE71ZBA2	MHHPTCS20X55	8,255
0.75	1	MHPE80ZAA2	MHHPTDS20X75	8,530
1.1	1.5	MHPE80ZBA2	MHHPTDS201X1	9,310
1.5	2	MHPE90SAA2	MHCPTES201X5	10,820
2.2	3	MHPE90LCA2	MHCPTFS202X2	13,890
3	4	MHPE100LAA2	MHCPTGS20003	17,460
3.7	5	MHPE100LBA2	MHCPTGS203X7	17,815
3.7*	5	MHPE112MAA2	MHCPTHS203X7	20,550
5.5	7.5	MHPE132SZA2	MHCPTIS205X5	28,280
7.5	10	MHPE132STA2	MHCPTIS207X5	29,270
9.3	12.5	MHPE160MTA2	MHCPTKS209X3	49,105
11	15	MHPE160MYA2	MHCPTKS20011	50,905
15	20	MHPE160MZA2	MHCPTKS20015	59,645
18.5	25	MHPE160LZA2	MHCPTLS218X5	76,650
22	30	MHPE180MZA2	MHCPTMS20022	80,905
30	40	MHPE200LPG2	MHCPTOS20030	119,705
37	50	MHPE200LRG2	MHCPTOS20037	146,120
45	60	MMHE225MP2	MHCPTQS20045	188,050
55	75	MHPE250MP2	MHCPTRS20055	253,820
75	100	MHPE280SV2	MHCPTSS20075	327,230
90	120	MHPE280MV2	MHCPTTS20090	375,815
110	150	MHPE315SYE2	MHCPTUS20110	460,115
132	180	MHPE315MZE2	MHCPTVS20132	564,490
160	215	MHPE315LYE2	MHCPTWS20160	619,665
180	240	MHPE315LYE2	MHCPTWS20180	669,795
200	270	MHPE315LZE2	MHCPTWS20200	718,900
225	300	MHPE355MA2	MHCPTY20225	793,685
250	335	MHPE355MB2	MHCPTY20250	840,120
275	370	MHPE355LA2	MHCPTZS20275	889,420
315	425	MHPE355LB2	MHCPTZS20315	910,800

4 Pole -1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.50	MHPE71ZBA4	MHHPTCS40X37	6,690
0.55	0.75	MHPE80ZAA4	MHHPTDS40X55	8,760
0.75	1	MHPE80ZBA4	MHHPTDS40X75	8,885
1.1	1.5	MHPE90SAA4	MHCPTES401X1	11,070
1.5	2	MHPE90LBA4	MHCPTFS401X5	12,920
2.2	3	MHPE100LAA4	MHCPTGS402X2	15,640
3	4	MHPE100LBA4	MHCPTGS40003	16,570
3.7	5	MHPE112MAA4	MHCPTHS403X7	20,210
5.5	7.5	MHPE132SRA4	MHCPTIS405X5	27,925
7.5	10	MHPE132MTA4	MHCPTJS407X5	32,705
9.3*	12.5	MHPE132MRA4	MHCPTJS409X3	41,930
9.3	12.5	MHPE160MYA4	MHCPTKS409X3	52,225
11	15	MHPE160MZA4	MHCPTKS40011	53,515
15	20	MHPE160LZA4	MHCPTLS40015	65,260
18.5	25	MHPE180MZA4	MHCPTMS418X5	81,550
22	30	MHPE180LZA4	MHCPTNS40022	85,145
30	40	MHPE200LRG4	MHCPTOS40030	114,985
37	50	MHPE225SP4	MHCPTPS40037	145,240
45	60	MHPE225MP4	MHCPTQS40045	174,645
55	75	MHPE250MP4	MHCPTRS40055	234,920
75	100	MHPE280SV4	MHCPTSS40075	298,340
90	120	MHPE280MV4	MHCPTTS40090	346,110
110	150	MHPE315SYE4	MHCPTUS40110	403,455
132	180	MHPE315MYE4	MHCPTVS40132	475,155
160	220	MHPE315LYE4	MHCPTWS40160	565,450
180	240	MHPE315LYE4	MHCPTWS40180	672,905
200	270	MHPE315LZE4	MHCPTWS40200	674,855
225	300	MHPE355MA4	MHCPTY20225	865,410
250	340	MHPE355MB4	MHCPTY20250	821,940
275	370	MHPE355MC4	MHCPTY20275	935,115
315	425	MHPE355LA4	MHCPTZS40315	942,955
335	450	MHPE355LB4	MHCPTZS40335	1,165,310

* Class F insulation with temperature rise limited to Class B

Premium Series - (IE3)

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

Horizontal Foot Mounted Induction Motor suitable for 415V \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50°C conforming to IS 12615:2014, IEC 60034-30-2014

6 Pole -1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MHPE80ZAA6	MHHPTDS60X37	9,295
0.55	0.75	MHPE80ZBA6	MHHPTDS60X55	9,535
0.75	1	MHPE90SAA6	MHCPTES60X75	10,845
1.1	1.5	MHPE90LBA6	MHCPTFS601X1	11,885
1.5	2	MHPE100LAA6	MHCPTGS601X5	17,625
2.2	3	MHPE112MAA6	MHCPTHS602X2	18,930
3*	4	MHPE112MBA6	MHCPTHS60003	27,245
3.7	5	MHPE132SYA6	MHCPTIS603X7	28,155
5.5	7.5	MHPE132MZA6	MHCPTJS605X5	33,985
7.5	10	MHPE160MZA6	MHCPTKS607X5	52,125
9.3	12.5	MHPE160LYA6	MHCPTLS609X3	57,065
11	15	MHPE160LZA6	MHCPTLS60011	63,330
15	20	MHPE180LZG6	MHCPTNS60015	79,000
18.5	25	MHPE200LPG6	MHCPTOS618X5	109,790
22	30	MHPE200LRG6	MHCPTOS60022	116,810
30	40	MHPE225MP6	MHCPTQS60030	171,505
37	50	MHPE250MP6	MHCPTRS60037	238,945
45	60	MHPE280SV6	MHCPTSS60045	294,320
55	75	MHPE280MV6	MHCPTTS60055	334,625
75	100	MHPE315SYE6	MHCPTUS60075	386,755
90	120	MHPE315MYE6	MHCPTVS60090	485,455
110	150	MHPE315MZE6	MHCPTVS60110	541,425
132	180	MHPE315LZE6	MHCPTWS60132	633,330
160	220	MHPE355MA6	MHCPTY60160	676,435
180	240	MHPE355MB6	MHCPTY60180	834,375
200	270	MHPE355MC6	MHCPTY60200	801,965
250	340	MHPE355LA6	MHCPTZS60250	894,210
315	425	MHPE355LB6	MHCPTZS60315	1,283,580

* Class F insulation with temperature rise limited to Class B

IE2**Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Induction Motors - Foot Mounted (B3)**

Horizontal Foot Mounted Induction Motor suitable for 415V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50°C conforming to IS 12615:2014, IEC 60034-30-2014

2 Pole -3000 RPM**HSN Code: 8501**

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MHEE71ZAA2	MHHITCS20X37	5,540
0.55	0.75	MHEE71ZBA2	MHHITCS20X55	7,175
0.75	1	MHEE80ZAA2	MHHITDS20X75	7,420
1.1	1.5	MHEE80ZBA2	MHHITDS201X1	8,085
1.5	2	MHEE90SAA2	MHCITES201X5	9,365
2.2	3	MHEE90LCA2	MHCITFS202X2	12,025
3	4	MHEE100LAA2	MHCITGS20003	14,135
3.7	5	MHEE100LBA2	MHCITGS203X7	14,930
3.7*	5	MHEE112MAA2	MHCITHS203X7	18,615
5.5	7.5	MHEE132SZA2	MHCITIS205X5	25,450
7.5	10	MHEE132STA2	MHCITIS207X5	27,325
*9.3	12.5	MHEE132MTA2	MHCITJS209X3	40,665
9.3	12.5	MHEE160MTA2	MHCITKS209X3	46,155
11	15	MHEE160MYA2	MHCITKS20011	48,035
15	20	MHEE160MAZ2	MHCITKS20015	52,115
18.5	25	MHEE160LZA2	MHCITLS218X5	66,965
22	30	MHEE180MAZ2	MHCITMS20022	69,790
30	40	MHEE200LPG2	MHCITOS20030	107,165
37	50	MHEE200LRG2	MHCITOS20037	125,985
45	60	MMHE225MP2	MHCITQS20045	162,100
55	75	MHEE250MP2	MHCITRS20055	223,620
75	100	MHEE280SV2	MHCITSS20075	283,410
90	125	MHEE280MV2	MHCITTS20090	328,510
110	150	MHEE315SYE2	MHCITUS20110	404,345
132	180	MHEE315MZE2	MHCITVS20132	499,150
160	220	MHEE315LYE2	MHCITWS20160	544,535
180	240	MHEE315LYE2	MHCITWS20180	588,085
200	270	MHEE315LZE2	MHCITWS20200	637,275
225	300	MHEE355MA2	MHCITYS20225	734,385
250	340	MHEE355MB2	MHCITYS20250	736,545
275	370	MHEE355LA2	MHCITZS20275	773,410
315	425	MHEE355LB2	MHCITZS20315	792,000

4 Pole -1500 RPM**HSN Code: 8501**

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MHEE71ZBA4	MHHITCS40X37	5,820
0.55	0.75	MHEE80ZAA4	MHHITDS40X55	7,625
0.75	1	MHEE80ZBA4	MHHITDS40X75	7,730
1.1	1.5	MHEE90SAA4	MHCITES401X1	9,535
1.5	2	MHEE90LBA4	MHCITFS401X5	11,235
2.2	3	MHEE100LAA4	MHCITGS402X2	13,995
3	4	MHEE100LBA4	MHCITGS40003	14,720
3.7	5	MHEE112MAA4	MHCITHS403X7	17,730
5.5	7.5	MHEE132SRA4	MHCITIS405X5	24,430
7.5	10	MHEE132MTA4	MHCITJS407X5	28,525
*9.3	12.5	MHEE132MRA4	MHCITJS409X3	38,690
9.3	12.5	MHEE160MYA4	MHCITKS409X3	44,485
11	15	MHEE160MAZ4	MHCITKS40011	46,620
15	20	MHEE160LZA4	MHCITLS40015	56,530
18.5	25	MHEE180MAZ4	MHCITMS418X5	70,000
22	30	MHEE180LZA4	MHCITNS40022	74,215
30	40	MHEE200LRG4	MHCITOS40030	104,810
37	50	MHEE225SP4	MHCITPS40037	125,600
45	60	MHEE225MP4	MHCITQS40045	151,840
55	75	MHEE250MP4	MHCITRS40055	207,890
75	100	MHEE280SV4	MHCITSS40075	255,150
90	125	MHEE280MV4	MHCITTS40090	297,215
110	150	MHEE315SYE4	MHCITUS40110	354,560
132	180	MHEE315MYE4	MHCITVS40132	420,565
160	220	MHEE315LYE4	MHCITWS40160	488,555
180	240	MHEE315LYE4	MHCITWS40180	526,370
200	270	MHEE315LZE4	MHCITWS40200	593,045
225	300	MHEE355MA4	MHCITYS40225	687,580
250	340	MHEE355MB4	MHCITYS40250	717,540
275	370	MHEE355MC4	MHCITYS40275	797,505
315	425	MHEE355LA4	MHCITZS40315	823,230
335	450	MHEE355LB4	MHCITZS40335	960,605

* Class F insulation with temperature rise limited to Class B

**Coil
Insertion**

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

Horizontal Foot Mounted Induction Motor suitable for 415V ± 10%, 3 Phase, 50 Hz ± 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50°C conforming to IS 12615:2014, IEC 60034-30-2014

6 Pole -1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MHEE80ZAA6	MHHITDS60X37	8,085
0.55	0.75	MHEE80ZBA6	MHHITDS60X55	8,290
0.75	1	MHEE90SAA6	MHCITES60X75	9,430
1.1	1.5	MHEE90LBA6	MHCITFS601X1	10,340
1.5	2	MHEE100LAA6	MHCITGS601X5	14,740
2.2	3	MHEE112MAA6	MHCITHS602X2	16,015
3	4	MHEE112MBA6	MHCITHS60003	20,995
3.7	5	MHEE132SYA6	MHCITIS603X7	24,955
5.5	7.5	MHEE132MZA6	MHCITJS605X5	29,980
7.5	10	MHEE160MZA6	MHCITKS607X5	45,315
9.3	12.5	MHEE160LYA6	MHCITLS609X3	50,810
11	15	MHEE160LZA6	MHCITLS60011	56,050
15	20	MHEE180LZG6	MHCITNS60015	68,835
18.5	25	MHEE200LPG6	MHCITOS618X5	95,530
22	30	MHEE200LRG6	MHCITOS60022	102,855
30	40	MHEE225MP6	MHCITQS60030	153,025
37	50	MHEE250MP6	MHCITRS60037	208,135
45	60	MHEE280SV6	MHCITSS60045	250,565
55	75	MHEE280MV6	MHCITTS60055	287,740
75	100	MHEE315SYE6	MHCITUS60075	339,880
90	125	MHEE315MYE6	MHCITVS60090	426,625
110	150	MHEE315MZE6	MHCITVS60110	475,815
132	180	MHEE315LZE6	MHCITWS60132	559,525
160	220	MHEE355MA6	MHCITYS60160	582,485
180	240	MHEE355MB6	MHCITYS60180	642,430
200	270	MHEE355MC6	MHCITYS60200	690,795
250	340	MHEE355LA6	MHCITZS60250	745,130
315	425	MHEE355LB6	MHCITZS60315	1,148,855

* Class F insulation with temperature rise limited to Class B

Slot
Insulation



Standard 8 Pole Motors

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

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

8 Pole -750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.12	0.16	MH71ZAA8	MHHXTCS80X12	6,520
0.25	0.33	MH80ZAA8	MHHXTDS80X25	7,475
0.37	0.5	MH90SAA8	MHCXTES80X37	8,095
0.55	0.75	MH90LBA8	MHCXTFS80X55	8,860
0.75	1	MH100LAA8	MHCXTGS80X75	10,885
1.1	1.5	MH100LBA8	MHCXTGS801X1	13,275
1.5	2	MH112MAA8	MHCXTHS801X5	15,360
2.2	3	MH132SZA8	MHCXTIS802X2	20,340
3	4	MH132MZA8	MHCXTJS80003	31,845
3.7	5	MH160MYA8	MHCXTKS803X7	31,695
5.5	7.5	MH160MZA8	MHCXTKS805X5	38,695
7.5	10	MH160LZA8	MHCXTLS807X5	49,110
9.3	12.5	MH180LYG8	MHCXTNS809X3	62,120
11	15	MH180LZG8	MHCXTNS80011	65,505
15	20	MH200LRG8	MHCXTOS80015	92,250
18.5	25	MH225SP8	MHCXTPS8018X5	118,405
22	30	MH225MP8	MHCXTQS80022	142,360
30	40	MH250MP8	MHCXTRS80030	192,215
37	50	MH280SV8	MHCXTSS80037	245,670
45	60	MH280MV8	MHCXTTS80045	283,870
55	75	MHHE315SYE8	MHCETUS80055	343,975
75	100	MHHE315MYE8	MHCETVS80075	427,130
90	120	MHHE315LZE8	MHCETWS80090	484,240
110	150	MHHE315LZE8	MHCETWS80110	512,635
132	180	MHHE355MA8	MHCETYS80132	593,955
160	220	MHHE355MC8	MHCETYS80160	690,195
180	240	MHHE355LA8	MHCETZS80180	708,115
200	270	MHHE355LB8	MHCETZS80250	758,585

* Class F insulation with temperature rise limited to Class B

Brake Motors

Totally Enclosed Fan Cooled (TEFC) Squirrel Cage Brake Motors - Foot / Flange / Foot Cum Flange Mounting

Continuously rated suitable for operation on 415 Volts \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, Ambient of 50°C and altitude less than 1000m above MSL, conforming to IS 12615:2014, IEC 60034-30-2014

2 Pole- 3000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.18	0.25	MHBY63ZAA2	MHFXTBS20X18	13,410
0.25	0.33	MHBY63ZBA2	MHFXTBS20X25	13,560
0.37	0.5	MHBY71ZAA2	MHFXTCS20X37	13,885
0.55	0.75	MHBY71ZBA2	MHFXTCS20X55	14,690
0.75	1	MHBY80ZAA2	MHFXTDS20X75	15,435
1.1	1.5	MHBY80ZBA2	MHFXTDS20X1	16,225
1.5	2	MHBY90SAA2	MHFXTES20X5	21,120
2.2	3	MHBY90LCA2	MHFXTFS20X2	23,650
3	4	MHBY100LAA2	MHFXTGS20003	26,500
3.7	5	MHBY100LBA2	MHFXTGS203X7	28,245
3.7	5	MHBY112MAA2	MHFXTGS203X7	35,315
5.5	7.5	MHBY132SYA2	MHFXTIS205X5	41,505
7.5	10	MHBY132SZA2	MHFXTIS207X5	43,270
9.3	12.5	MHBY160MTG2	MHFXTKS209X3	66,800
11	15	MHBY160MVA2	MHFXTKS20011	68,175
15	20	MHBY160MXA2	MHFXTKS20015	85,285
18.5	25	MHBY160LXA2	MHFXTLS2018X5	99,600

4 Pole- 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.12	0.18	MHBY63ZAA4	MHFXTBS40X12	12,170
0.18	0.25	MHBY63ZBA4	MHFXTBS40X18	12,505
0.25	0.33	MHBY71ZAA4	MHFXTCS40X25	13,520
0.37	0.5	MHBY71ZBA4	MHFXTCS40X37	14,550
0.55	0.75	MHBY80ZAA4	MHFXTDS40X55	15,625
0.75	1	MHBY80ZBA4	MHFXTDS40X75	15,680
1.1	1.5	MHBY90SAA4	MHFXTES401X1	20,615
1.5	2	MHBY90LBA4	MHFXTFS401X5	22,305
2.2	3	MHBY100LAA4	MHFXTGS402X2	26,165
3	4	MHBY100LBA4	MHFXTGS40003	28,030
3.7	5	MHBY112MAA4	MHFXTGS403X7	32,210
5.5	7.5	MHBY132SZA4	MHFXTIS405X5	44,605
7.5	10	MHBY132MZA4	MHFXTJS407X5	54,860
9.3	12.5	MHBY160MYA4	MHFXTKS409X3	68,135
11	15	MHBY160MXA4	MHFXTKS40011	72,990
15	20	MHBY160LXA4	MHFXTLS40015	85,040

6 Pole- 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.18	0.25	MHBY71ZAA6	MHFXTCS60X18	13,615
0.25	0.33	MHBY71ZBA6	MHFXTCS60X25	14,800
0.37	0.5	MHBY80ZAA6	MHFXTDS60X37	16,025
0.55	0.75	MHBY80ZBA6	MHFXTDS60X55	16,230
0.75	1	MHBY90SAA6	MHFXTES60X75	21,160
1.1	1.5	MHBY90LBA6	MHFXTFS601X1	22,965
1.5	2	MHBY100LAA6	MHFXTGS601X5	26,540
2.2	3	MHBY112MAA6	MHFXTGS602X2	30,530
3	4	MHBY112MBA6	MHFXTGS60003	35,345
3.7	5	MHBY132SYA6	MHFXTIS603X7	45,425
5.5	7.5	MHBY132MZA6	MHFXTJS605X5	55,595
7.5	10	MHBY160MZA6	MHFXTKS607X5	72,605
9.3	12.5	MHBY160LYA6	MHFXTLS609X3	85,605
11	15	MHBY160LZA6	MHFXTLS60011	88,865

8 Pole- 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.12	0.18	MHBY71ZAA8	MHFXTCS80X12	15,160
0.25	0.33	MHBY80ZAA8	MHFXTDS80X25	16,235
0.37	0.5	MHBY90SAA8	MHFXTES80X37	20,765
0.55	0.75	MHBY90LBA8	MHFXTFS80X55	21,540
0.75	1	MHBY100LAA8	MHFXTGS80X75	24,495
1.1	1.5	MHBY100LBA8	MHFXTGS801X1	27,110
1.5	2	MHBY112MAA8	MHFXTGS801X5	31,395
2.2	3	MHBY132SZA8	MHFXTIS802X2	38,010
3	4	MHBY132MZA8	MHFXTJS80003	55,190
3.7	5	MHBY160MYA8	MHFXTKS803X7	62,885
5.5	7.5	MHBY160MZA8	MHFXTKS805X5	73,445
7.5	10	MHBY160LZA8	MHFXTLS807X5	87,340

* Class F insulation with temperature rise limited to Class B

Inverter Duty Motors : Without Encoder Arrangement

Totally Enclosed Blower Cooled (TEBC) Squirrel Cage Inverter Duty without Encoder Arrangement Motors - Foot / Flange / Foot cum flange Mounted, Continuously rated suitable for operation on 415 Volts \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, IC-416, Ambient of 50°C and altitude less than 1000m above MSL, conforming to IS 12615:2014, IEC 60034-30-2014

2 Pole- 3000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.75	1	MH80ZAA2	MHIWTDS20X75	12,635
1.1	1.5	MH80ZBA2	MHIWTDS201X1	13,365
1.5	2	MH90SAA2	MHIWTES201X5	16,185
1.8*	2.5	MH90SBA2	MHIWTES201X8	17,510
2.2	3	MH90LCA2	MHIWTFS202X2	18,610
3	4	MH100LAA2	MHIWTGS20003	20,925
3.7	5	MH100LBA2	MHIWTGS203X7	22,175
3.7*	5.5	MH112MAA2	MHIWTHS203X7	24,840
5.5	7.5	MH132SYA2	MHIWTIS205X5	32,045
7.5	10	MH132SZA2	MHIWTIS207X5	33,050
9.3	12.5	MH160MTG2	MHIWTKS209X3	52,885
11	15	MH160MVA2	MHIWTKS20011	53,885
15	20	MH160MXA2	MHIWTKS20015	60,160
18.5	25	MH160LXA2	MHIWTLS218X5	74,795
22	30	MH180MXG2	MHIWTMS20022	81,095
30	40	MH200LLG2	MHIWTOS20030	117,275
37	50	MH200LNG2	MHIWTOS20037	139,900
45	60	MH225MN2	MHIWTQS20045	178,150
55	75	MH250MN2	MHIWTRS20055	238,015

4 Pole - 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.55	0.75	MH80ZAA4	MHIWTDS40X55	12,895
0.75	1	MH80ZBA4	MHIWTDS40X75	12,910
1.1	1.5	MH90SAA4	MHIWTES401X1	15,690
1.5	2	MH90LBA4	MHIWTFS401X5	16,475
2.2	3	MH100LAA4	MHIWTGS402X2	20,205
3.7	5	MH112MAA4	MHIWTHS403X7	23,750
5.5	7.5	MH132SZA4	MHIWTIS405X5	30,520
7.5	10	MH132MZA4	MHIWTJS407X5	34,195
9.3	12.5	MH160MYA4	MHIWTKS409X3	50,790
11	15	MH160MXA4	MHIWTKS40011	51,445
15	20	MH160LXA4	MHIWTLS40015	61,065
18.5	25	MH180MXG4	MHIWTMS418X5	77,520
22	30	MH180LXG4	MHIWTNS40022	85,605
30	40	MH200LNG4	MHIWTOS40030	113,155
37	50	MH225SN4	MHIWTPS40037	137,045
45	60	MH225MN4	MHIWTQS40045	163,325
55	75	MH250MN4	MHIWTRS40055	222,405

6 Pole- 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MH80ZAA6	MHIWTDS60X37	13,335
0.55	0.75	MH80ZBA6	MHIWTDS60X55	13,440
0.75	1	MH90SAA6	MHIWTES60X75	16,275
1.1	1.5	MH90LBA6	MHIWTFS601X1	17,130
1.5	2	MH100LAA6	MHIWTGS601X5	20,225
2.2	3	MH112MAA6	MHIWTHS602X2	22,785
3.7	5	MH132SYA6	MHIWTIS603X7	31,695
5.5	7.5	MH132MZA6	MHIWTJS605X5	34,750
7.5	10	MH160MZA6	MHIWTKS607X5	52,300
9.3	12.5	MH160LYA6	MHIWTLS609X3	53,545
11	15	MH160LZA6	MHIWTLS60011	62,645
15	20	MH180LZG6	MHIWTNS60015	80,545
18.5	25	MH200LPG6	MHIWTOS618X5	102,755
22	30	MH200LRG6	MHIWTOS60022	110,550
30	40	MH225MP6	MHIWTQS60030	167,740
37	50	MH250MP6	MHIWTRS60037	223,930

8 Pole - 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.25	0.33	MH80ZAA8	MHIWTDS80X25	13,835
0.37	0.5	MH90SAA8	MHIWTES80X37	15,100
0.55	0.75	MH90LBA8	MHIWTFS80X55	15,905
0.75	1	MH100LAA8	MHIWTGS80X75	19,225
1.1	1.5	MH100LBA8	MHIWTGS801X1	21,770
1.5	2	MH112MAA8	MHIWTHS801X5	24,170
2.2	3	MH132SZA8	MHIWTIS802X2	30,265
3.7	5	MH160MYA8	MHIWTKS803X7	44,335
5.5	7.5	MH160MZA8	MHIWTKS805X5	52,340
7.5	10	MH160LZA8	MHIWTLS807X5	63,830
9.3	12.5	MH180LYG8	MHIWTNS809X3	78,225
11	15	MH180LZG8	MHIWTNS80011	82,085
15	20	MH200LRG8	MHIWTOS80015	112,630
18.5	25	MH225SP8	MHIWTPS818X5	143,820
22	30	MH225MP8	MHIWTQS80022	170,950
30	40	MH250MP8	MHIWTRS80030	228,080

* Class F insulation with temperature rise limited to Class B

Inverter Duty Motors : With Encoder Arrangement

Totally Enclosed Blower Cooled (TEBC) Squirrel Cage Inverter Duty without Encoder Arrangement Motors - Foot / Flange / Foot cum flange Mounted, Continuously rated suitable for operation on 415 Volts \pm 10%, 3 Phase, 50 Hz \pm 5%, Insulation Class 'F', Degree of protection IP 55, IC-416, Ambient of 50°C and altitude less than 1000m above MSL, conforming to IS 12615:2014, IEC 60034-30-2014

2 Pole- 3000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.75	1	MH80ZAA2	MHIDTDS20X75	12,955
1.1	1.5	MH80ZBA2	MHIDTDS201X1	13,715
1.5	2	MH90SAA2	MHIDTES201X5	16,605
1.8*	2.5	MH90SBA2	MHIDTES201X8	18,000
2.2	3	MH90LCA2	MHIDTFS202X2	19,140
3	4	MH100LAA2	MHIDTGS20003	21,555
3.7	5	MH100LBA2	MHIDTGS203X7	22,850
3.7*	5.5	MH112MAA2	MHIDTHS203X7	25,660
5.5	7.5	MH132SYA2	MHIDTIS205X5	33,145
7.5	10	MH132SZA2	MHIDTIS207X5	34,200
9.3	12.5	MH160MTG2	MHIDTKS209X3	54,890
11	15	MH160MVA2	MHIDTKS20011	55,625
15	20	MH160MXA2	MHIDTKS20015	62,505
18.5	25	MH160LXA2	MHIDTLS218X5	77,840
22	30	MH180MXG2	MHIDTMS20022	84,375
30	40	MH200LLG2	MHIDTOS20030	122,160
37	50	MH200LNG2	MHIDTOS20037	145,860
45	60	MH225MN2	MHIDTQS20045	185,830
55	75	MH250MN2	MHIDTRS20055	248,340

4 Pole - 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.55	0.75	MH80ZAA4	MHIDTDS40X55	13,225
0.75	1	MH80ZBA4	MHIDTDS40X75	13,435
1.1	1.5	MH90SAA4	MHIDTES401X1	16,085
1.5	2	MH90LBA4	MHIDTFS401X5	16,915
2.2	3	MH100LAA4	MHIDTGS402X2	20,785
3.7	5	MH112MAA4	MHIDTHS403X7	24,495
5.5	7.5	MH132SZA4	MHIDTIS405X5	31,545
7.5	10	MH132MZA4	MHIDTJS407X5	35,380
9.3	12.5	MH160MYA4	MHIDTKS409X3	52,695
11	15	MH160MXA4	MHIDTKS40011	53,190
15	20	MH160LXA4	MHIDTLS40015	63,450
18.5	25	MH180MXG4	MHIDTMS418X5	80,620
22	30	MH180LXG4	MHIDTNS40022	89,070
30	40	MH200LNG4	MHIDTOS40030	117,850
37	50	MH225SN4	MHIDTPS40037	142,810
45	60	MH225MN4	MHIDTQS40045	170,305
55	75	MH250MN4	MHIDTRS40055	232,000

6 Pole - 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MH80ZAA6	MHIDTDS60X37	13,687
0.55	0.75	MH80ZBA6	MHIDTDS60X55	13,797
0.75	1	MH90SAA6	MHIDTES60X75	16,706
1.1	1.5	MH90LBA6	MHIDTFS601X1	17,598
1.5	2	MH100LAA6	MHIDTGS601X5	20,822
2.2	3	MH112MAA6	MHIDTHS602X2	23,510
3.7	5	MH132SYA6	MHIDTIS603X7	32,776
5.5	7.5	MH132MZA6	MHIDTJS605X5	35,973
7.5	10	MH160MZA6	MHIDTKS607X5	54,275
9.3	12.5	MH160LYA6	MHIDTLS609X3	55,582
11	15	MH160LZA6	MHIDTLS60011	65,095
15	20	MH180LZG6	MHIDTNS60015	83,801
18.5	25	MH200LPG6	MHIDTOS618X5	106,990
22	30	MH200LRG6	MHIDTOS60022	115,138
30	40	MH225MP6	MHIDTQS60030	174,941
37	50	MH250MP6	MHIDTRS60037	233,599

8 Pole - 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.25	0.33	MH80ZAA8	MHIDTDS80X25	14,210
0.37	0.5	MH90SAA8	MHIDTES80X37	15,500
0.55	0.75	MH90LBA8	MHIDTFS80X55	16,335
0.75	1	MH100LAA8	MHIDTGS80X75	19,780
1.1	1.5	MH100LBA8	MHIDTGS801X1	22,430
1.5	2	MH112MAA8	MHIDTHS801X5	25,655
2.2	3	MH132SZA8	MHIDTIS802X2	31,300
3.7	5	MH160MYA8	MHIDTKS803X7	45,950
5.5	7.5	MH160MZA8	MHIDTKS805X5	54,310
7.5	10	MH160LZA8	MHIDTLS807X5	66,345
9.3	12.5	MH180LYG8	MHIDTNS809X3	81,375
11	15	MH180LZG8	MHIDTNS80011	85,405
15	20	MH200LRG8	MHIDTOS80015	117,320
18.5	25	MH225SP8	MHIDTPS818X5	149,900
22	30	MH225MP8	MHIDTQS80022	178,270
30	40	MH250MP8	MHIDTRS80030	237,950

* Class F insulation with temperature rise limited to Class B

Cash Extra for Special Features

HSN Code: 8501

S. No.	Description of Extra Features	Extra Charges
1	Special shaft extention	
1.1	Double Extension shaft	5% of LP
	Non standard Extension	On enquiry Basis
	a) Dia more than Standard	
	b) Length more than twice of the standard	
1.2	Shaft material - EN 24	10% of LP
1.3	Stainless Steel Shaft 304	15% of LP
2	Mounting	
	Standard flange or face mounting (B14, B5, V1, V18 & V19) or foot cum flange/face mounting (B35, B34, V14, V36).	
2.1	Up to frame 112	Nil
2.2	Frame 132-160	3% of LP
2.3	Frame 180 & above	5% of LP
3	Non-Standard paint shades as per IS:5	
3.1	Epoxy	
3.1.1	Epoxy 631	3% of LP
3.1.2	Paint shade other than Standard	5% of LP
3.2	Non-Epoxy	
	Paint shade other than Standard	5% of LP
3.3	Paint Thickness	
	Rust Coat primer+ PU Paint up to 70 microns	Nil
	For additional thickness up to 150 microns	4% of LP
	For thickness > 150 up to 215 microns	6% of LP
4	Epoxy Gel coating on winding overhang	2% of LP
5	Insulation Class "H"	10% of LP
6	Vacuum Pressure Impregnation (VPI)	
6.1	Upto 160	3% of LP
7	Stainless Steel Hardware	
7.1	Upto Frame 225	Rs. 900/- Net
7.2	Frame 250 and Above	Rs. 1500/- Net
8	Non Standard Voltage (Range 200V - 480V)	3% of LP
9	Variable Frequency	3% of LP
10	Multi Speed Motors	
10.1	Single Tapped winding type motor upto 8 Pole (to be taken on higher frame). [Tapped winding is indicated by speed ratio 1:2(e.g. 4/8 or 2/4)]	On enquiry Basis
10.2	Dual Winding e.g. 4/6, 6/8	On enquiry Basis
11	9 Leads / 12 Leads	3% of LP
12	Enclosure / Types	
12.1	IP 56 / 65 / 66	5% of LP
12.2	IP 65 / 66	10% of LP
13	Space Heaters	
13.1	Up to Frame 180	Rs. 1350/- Net
13.2	Frame 200 - 250	Rs. 2750/- Net
13.3	Frame 280 - 355	Rs. 2750/- Net
14	PTC Thermistors (without relays)	
14.1	3 Nos.	Rs. 2000/- Net
14.2	6 Nos.	Rs. 3900/- Net
15	RTD	
15.1	3 Nos. (Frame 160 - 250)	Rs. 5000/- Net
15.2	6 Nos. (Frame 160 - 250)	Rs. 6000/- Net
15.3	3 Nos. (Frame 280 and above)	Rs. 6000/- Net
15.4	6 Nos. (Frame 280 and above)	Rs. 7500/- Net
16	2 Nos. BTD Simplex Type	Rs. 6500/- Net
17	Cable Glands	

17.1	Single Compressor Cable Gland Per run of Cable	
	Frame 71-132	Rs. 700/- Net
	Frame 160-225	Rs. 1000/- Net
	Frame 250-355	Rs. 1300/- Net
17.2	Double Compressor Cable Gland Per run of Cable	
	Frame 71-132	Rs. 1200/- Net
	Frame 160-225	Rs. 2200/- Net
	Frame 250-355	Rs. 2900/- Net
18	Special Bearings	
18.1	Insulated Bearing (NDE Side)	
	250 Frame	Rs.34000/- Net
	280 & 315 Frame	Rs.37000/- Net
	355 Frame	Rs.40000/- Net
18.2	Roller Bearing arrangement on DE Side	
	Frame 160 to 180	Rs.1550/- Net
	Frame 200 to 250	Rs.3000/- Net
	Frame 280 to 315	Rs.4000/- Net
	Frame 355	Rs.5000/- Net
19	Force cooling Arrangement	
19.1.1	Frame 280	Rs.27000/- Net
19.1.2	Frame 315	Rs.30000/- Net
19.1.3	Frame 355	Rs.37000/- Net
19.2	Encoder Arrangement Charges	5% of LP
	Inverter Duty Motor Specification :	
	(a) 1-Ph supply for 80 Frame & 3-Ph Supply from 90 Frame Onwards	
	(b) Standard encoder dimension Size - 15x30mm (Ext x Dia) at NDE	
20	Charges for Separate Auxillary Box	Rs. 2300/- Net
21	Crane Duty Charges (150Stars/Hr, 40% CDF)	7% of LP
22	Smoke Extraction Motor (As per EN12101 - 3)	
22.1.1	250Degg for 2Hrs	25% of LP
22.1.2	300Degg for 2Hrs	30% of LP
	Smoke Motor Specification :	
	(a) TE/TEFC	
	(b) 1-Meter Flying lead	
	(c) Separate Terminal Box Assembly	
23	Vibration Level	
	Vibration level shall be as per normal class of IS 12075-1987.	
	For any other value please refer to division.	
	Precesion Class A	10% of LP
	Precesion Class B	20% of LP
24	Finishing & Packing	
	Motor delivered in unpacked condition	No reduction in price
	Motor delivered with only RED oxide primer coat	No recution in price
	Seaworthy / Export packing case for home market	5% subject to maximum of Rs. 5500/-
25	Testing (As per IS:325-1996)	
25.1	Routine test per Motor	
	Frame 56-132	Rs. 1400/- Net
	Frame 160-225	Rs. 2200/- Net
	Frame 250-355	Rs. 2950/- Net
25.2	Type Test per rating on one Motor	
	Frame 56-132	Rs. 4900/- Net
	Frame 160-225	Rs. 7500/- Net
	Frame 250-280	Rs. 10000/- Net
	Frame 315 and above	Rs. 15000/- Net
25.3	Second numeral IP55 test	
	Frame 56-355	Rs. 5000/- Net
25.4	Testing with Inverter Drive (Drive to be Provided by Customer)	Rs. 55000/- Net per Motor



MHMPL00008/Nov 17/Apr118

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- Prices are in Indian ₹.
- All prices are on List Price (LP ₹) inclusive of GST. Freight / Delivery charges if paid by Havells shall be on behalf of customer only.
- Goods are despatched by us on Purchaser's risk. All claims for loss, damage or shortage will be filed by the Purchasers directly with the carriers.
- Disputes, if any are subject to Delhi jurisdiction only.
- This Price List supersedes all our previous Price Lists.
- Prices are subject to change without notice.
- Company reserves the right to issue amendments, which may arise due to any errors in the price list.



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