



**HAVELLS**

# Energy Efficient 3 Phase LV Induction Motors



## LIST PRICE

w.e.f. 1<sup>st</sup> July, 2017 (rev. 1)

- IE3 & IE2
- Brake Motor
- Inverter Duty
- Single Phase
- Spline shaft

CE IE3 IE2

**HAVELLS-LAFERT MOTORS**

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









# About us

**H**avells 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 $\pm$ Variation	415 Volts $\pm$ 10%
Frequency $\pm$ Variation	50 Hz $\pm$ 5%
Combined Variation	10% (Absolute Sum)
Enclosure	TEFC
Mounting	Foot, Face, Flange, Foot cum Flange & Foot cum face
Frame Dimensions	As per IS 1231 & IS 2223
Altitude	Upto 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 63 - 355	Industrial nylon grade Sheet steel
Fan	63 - 355	Industrial nylon grade
Terminal box	63 - 71 63 - 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 ₹
0.18	0.25	MHPE63ZAA2	MHHPTBS20X18	5,910
0.25	0.33	MHPE63ZBA2	MHHPTBS20X25	6,080
0.37	0.5	MHPE71ZAA2	MHHPTCS20X37	6,430
0.55	0.75	MHPE71ZBA2	MHHPTCS20X55	7,750
0.75	1	MHPE80ZAA2	MHHPTDS20X75	8,020
1.1	1.5	MHPE80ZBA2	MHHPTDS20X1	8,740
1.5	2	MHPE90SAA2	MHCPTES201X5	10,020
1.8*	2.5	MHPE90SBA2	MHCPTES201X8	10,760
2.2	3	MHPE90LCA2	MHCPTFS202X2	12,850
3	4	MHPE100LAA2	MHCPTGS20003	15,105
3.7	5	MHPE100LBA2	MHCPTGS203X7	15,955
3.7*	5	MHPE112MAA2	MHCPTHS203X7	18,480
5.5	7.5	MHPE132SZA2	MHCPTIS205X5	26,040
7.5	10	MHPE132STA2	MHCPTIS207X5	26,945
9.3	12.5	MHPE160MTA2	MHCPTKS209X3	40,720
11	15	MHPE160MYA2	MHCPTKS20011	47,080
15	20	MHPE160MZA2	MHCPTKS20015	55,155
18.5	25	MHPE160LZA2	MHCPTLS218X5	70,875
22	30	MHPE180MZA2	MHCPTMS20022	76,420
30	40	MHPE200LPG2	MHCPTOS20030	1,13,660
37	50	MHPE200LRG2	MHCPTOS20037	1,38,020
45	60	MMHE225MP2	MHCPTQS20045	1,77,620
55	75	MHPE250MP2	MHCPTRS20055	2,39,150
75	100	MHPE280SV2	MHCPTSS20075	2,98,680
90	120	MHPE280MV2	MHCPTTS20090	3,44,540
110	150	MHPE315SYE2	MHCPTUS20110	4,35,205
132	180	MHPE315MZE2	MHCPTVS20132	5,34,830
160	215	MHPE315LYE2	MHCPTWS20160	5,85,920
180	240	MHPE315LYE2	MHCPTWS20180	6,16,830
200	270	MHPE315LZE2	MHCPTWS20200	6,84,090
225	300	MHPE355MA2	MHCPTY20225	7,23,340
250	335	MHPE355MB2	MHCPTY20250	7,66,255
275	370	MHPE355LA2	MHCPTZS20275	8,11,215
315	425	MHPE355LB2	MHCPTZS20315	8,30,725
335	455	MHPE355LC2	MHCPTZS20335	9,39,345

### 4 Pole -1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.12	0.16	MHPE63ZAA4	MHHPTBS40X12	5,625
0.18	0.25	MHPE63ZBA4	MHHPTBS40X18	5,860
0.25	0.33	MHPE71ZAA4	MHHPTCS40X25	6,520
0.37	0.5	MHPE71ZBA4	MHHPTCS40X37	6,790
0.55	0.75	MHPE80ZAA4	MHHPTDS40X55	8,225
0.75	1	MHPE80ZBA4	MHHPTDS40X75	8,355
1.1	1.5	MHPE90SAA4	MHCPTES401X1	9,475
1.5	2	MHPE90LBA4	MHCPTFS401X5	10,380
1.8	2.5	MHPE90LCA4	MHCPTFS401X8	11,085
2.2	3	MHPE100LAA4	MHCPTGS402X2	13,740
3.0*	4	MHPE100LBA4	MHCPTGS40003	14,540
3.7	5	MHPE112MAA4	MHCPTHS403X7	17,535
5.5	7.5	MHPE132SRA4	MHCPTIS405X5	24,265
7.5	10	MHPE132MTA4	MHCPTJS407X5	28,140
9.3	12.5	MHPE160MYA4	MHCPTKS409X3	42,700
11	15	MHPE160MZA4	MHCPTKS40011	45,525
15	20	MHPE160LZA4	MHCPTLS40015	56,580
18.5	25	MHPE180MZA4	MHCPTMS418X5	74,495
22	30	MHPE180LZA4	MHCPTNS40022	80,755
30	40	MHPE200LRG4	MHCPTOS40030	1,08,515
37	50	MHPE225SP4	MHCPTPS40037	1,33,920
45	60	MHPE225MP4	MHCPTQS40045	1,62,320
55	75	MHPE250MP4	MHCPTRS40055	2,23,100
75	100	MHPE280SV4	MHCPTSS40075	2,71,520
90	120	MHPE280MV4	MHCPTTS40090	3,16,275
110	150	MHPE315SYE4	MHCPTUS40110	3,83,095
132	180	MHPE315MYE4	MHCPTVS40132	4,48,885
160	220	MHPE315LYE4	MHCPTWS40160	5,26,660
180	240	MHPE315LYE4	MHCPTWS40180	5,60,185
200	270	MHPE315LZE4	MHCPTWS40200	6,39,360
225	300	MHPE355MA4	MHCPTY20225	6,57,385
250	340	MHPE355MB4	MHCPTY20250	7,08,135
275	370	MHPE355MC4	MHCPTY20275	7,16,960
315	425	MHPE355LA4	MHCPTZS40315	8,10,540
335	450	MHPE355LB4	MHCPTZS40335	8,10,505
350	470	MHPE355LC4	MHCPTZS40350	1,03,0470

\* 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 ₹
0.18	0.25	MHPE71ZAA6	MHHPTCS60X18	6,205
0.25	0.33	MHPE71ZBA6	MHHPTCS60X25	7,330
0.37	0.5	MHPE80ZAA6	MHHPTDS60X37	8,730
0.55	0.75	MHPE80ZBA6	MHHPTDS60X55	8,965
0.75	1	MHPE90SAA6	MHCPTES60X75	10,085
1.1	1.5	MHPE90LBA6	MHCPTFS601X1	11,065
1.5	2	MHPE100LAA6	MHCPTGS601X5	14,185
1.8*	2.5	MHPE100LBA6	MHCPTGS601X8	14,715
2.2	3	MHPE112MAA6	MHCPTHS602X2	16,960
3*	4	MHPE112MBA6	MHCPTHS60003	21,300
3.7	5	MHPE132SYA6	MHCPTIS603X7	25,775
5.5	7.5	MHPE132MZA6	MHCPTJS605X5	26,790
7.5	10	MHPE160MZA6	MHCPTKS607X5	47,850
9.3	12.5	MHPE160LYA6	MHCPTLS609X3	54,925
11	15	MHPE160LZA6	MHCPTLS60011	59,605
15	20	MHPE180LZG6	MHCPTNS60015	75,675
18.5	25	MHPE200LPG6	MHCPTOS618X5	98,430
22	30	MHPE200LRG6	MHCPTOS60022	1,06,825
30	40	MHPE225MP6	MHCPTQS60030	1,66,330
37	50	MHPE250MP6	MHCPTRS60037	2,23,685
45	60	MHPE280SV6	MHCPTSS60045	2,67,950
55	75	MHPE280MV6	MHCPTTS60055	3,05,090
75	100	MHPE315SYE6	MHCPTUS60075	3,67,270
90	120	MHPE315MYE6	MHCPTVS60090	4,59,595
110	150	MHPE315MZE6	MHCPTVS60110	5,12,485
132	180	MHPE315LZE6	MHCPTWS60132	5,98,255
160	220	MHPE355MA6	MHCPTY60160	6,22,940
180	240	MHPE355MB6	MHCPTY60180	6,87,050
200	270	MHPE355MC6	MHCPTY60200	7,13,480
250	340	MHPE355LA6	MHCPTZS60250	7,68,965
315	425	MHPE355LB6	MHCPTZS60315	12,24,210

\* Class F insulation with temperature rise limited to Class B





### 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 ₹
0.18	0.25	MHEE63ZAA2	MHHITBS20X18	5,375
0.25	0.33	MHEE63ZBA2	MHHITBS20X25	5,530
0.37	0.5	MHEE71ZAA2	MHHITCS20X37	5,845
0.55	0.75	MHEE71ZBA2	MHHITCS20X55	6,725
0.75	1	MHEE80ZAA2	MHHITDS20X75	6,950
1.1	1.5	MHEE80ZBA2	MHHITDS201X1	7,580
1.5	2	MHEE90SAA2	MHCITES201X5	8,710
1.8*	2.5	MHEE90SBA2	MHCITES201X8	9,580
2.2	3	MHEE90LCA2	MHCITFS202X2	11,175
3	4	MHEE100LAA2	MHCITGS20003	13,135
3.7	5	MHEE100LBA2	MHCITGS203X7	13,880
3.7*	5	MHEE112MAA2	MHCITHS203X7	16,800
5.5	7.5	MHEE132SZA2	MHCITIS205X5	22,640
7.5	10	MHEE132STA2	MHCITIS207X5	23,435
9.3	12.5	MHEE160MTA2	MHCITKS209X3	38,845
11	15	MHEE160MYA2	MHCITKS20011	40,875
15	20	MHEE160MA2	MHCITKS20015	47,910
18.5	25	MHEE160LZA2	MHCITLS218X5	61,575
22	30	MHEE180MZA2	MHCITMS20022	66,435
30	40	MHEE200LP2	MHCITOS20030	98,820
37	50	MHEE200LR2	MHCITOS20037	1,20,000
45	60	MHEE225MP2	MHCITQS20045	1,54,455
55	75	MHEE250MP2	MHCITRS20055	2,07,935
75	100	MHEE280SV2	MHCITSS20075	2,59,700
90	125	MHEE280MV2	MHCITTS20090	2,99,595
110	150	MHEE315SYE2	MHCITUS20110	3,78,415
132	180	MHEE315MZE2	MHCITVS20132	4,65,100
160	220	MHEE315LYE2	MHCITWS20160	5,09,480
180	240	MHEE315LYE2	MHCITWS20180	5,36,350
200	270	MHEE315LZE2	MHCITWS20200	5,94,835
225	300	MHEE355MA2	MHCITYS20225	6,29,070
250	340	MHEE355MB2	MHCITYS20250	6,66,380
275	370	MHEE355LA2	MHCITZS20275	7,05,490
315	425	MHEE355LB2	MHCITZS20315	7,22,450
335	455	MHEE355LC2	MHCITZS20335	8,16,870

#### 4 Pole -1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.12	0.16	MHEE63ZAA4	MHHITBS40X12	5,120
0.18	0.25	MHEE63ZBA4	MHHITBS40X18	5,330
0.25	0.33	MHEE71ZAA4	MHHITCS40X25	5,930
0.37	0.5	MHEE71ZBA4	MHHITCS40X37	6,180
0.55	0.75	MHEE80ZAA4	MHHITDS40X55	7,140
0.75	1	MHEE80ZBA4	MHHITDS40X75	7,240
1.1	1.5	MHEE90SAA4	MHCITES401X1	8,240
1.5	2	MHEE90LBA4	MHCITFS401X5	9,020
1.8	2.5	MHEE90LCA4	MHCITFS401X8	10,000
2.2	3	MHEE100LAA4	MHCITGS402X2	11,960
3.0*	4	MHEE100LBA4	MHCITGS40003	12,640
3.7	5	MHEE112MAA4	MHCITHS403X7	15,250
5.5	7.5	MHEE132SRA4	MHCITIS405X5	21,100
7.5	10	MHEE132MTA4	MHCITJS407X5	24,480
9.3	12.5	MHEE160MYA4	MHCITKS409X3	38,835
11	15	MHEE160MZA4	MHCITKS40011	39,585
15	20	MHEE160LZA4	MHCITLS40015	49,200
18.5	25	MHEE180MZA4	MHCITMS418X5	62,995
22	30	MHEE180LZA4	MHCITNS40022	70,200
30	40	MHEE200LRG4	MHCITOS40030	94,355
37	50	MHEE225SP4	MHCITPS40037	1,16,450
45	60	MHEE225MP4	MHCITQS40045	1,41,135
55	75	MHEE250MP4	MHCITRS40055	1,93,975
75	100	MHEE280SV4	MHCITSS40075	2,36,090
90	125	MHEE280MV4	MHCITTS40090	2,75,010
110	150	MHEE315SYE4	MHCITUS40110	3,33,100
132	180	MHEE315MYE4	MHCITVS40132	3,90,320
160	220	MHEE315LYE4	MHCITWS40160	4,57,950
180	240	MHEE315LYE4	MHCITWS40180	4,87,095
200	270	MHEE315LZE4	MHCITWS40200	5,55,930
225	300	MHEE355MA4	MHCITYS40225	5,71,725
250	340	MHEE355MB4	MHCITYS40250	6,15,850
275	370	MHEE355MC4	MHCITYS40275	6,23,530
315	425	MHEE355LA4	MHCITZS40315	7,04,905
335	450	MHEE355LB4	MHCITZS40335	7,51,680
350	470	MHEE355LC4	MHCITZS40350	9,67,135

\* Class F insulation with temperature rise limited to Class B

Coil Insertion





**IE2****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 ₹
0.18	0.25	MHEE71ZAA6	MHHITCS60X18	5,480
0.25	0.33	MHEE71ZBA6	MHHITCS60X25	6,465
0.37	0.5	MHEE80ZAA6	MHHITDS60X37	7,575
0.55	0.75	MHEE80ZBA6	MHHITDS60X55	7,770
0.75	1	MHEE90SAA6	MHCITES60X75	8,770
1.1	1.5	MHEE90LBA6	MHCITFS601X1	9,615
1.5	2	MHEE100LAA6	MHCITGS601X5	12,345
1.8*	2.5	MHEE100LBA6	MHCITGS601X8	13,675
2.2	3	MHEE112MAA6	MHCITHS602X2	14,745
3*	4	MHEE112MBA6	MHCITHS60003	18,700
3.7	5	MHEE132SYA6	MHCITIS603X7	22,415
5.5	7.5	MHEE132MZA6	MHCITJS605X5	23,310
7.5	10	MHEE160MZA6	MHCITKS607X5	41,555
9.3	12.5	MHEE160LYA6	MHCITLS609X3	48,175
11	15	MHEE160LZA6	MHCITLS60011	51,775
15	20	MHEE180LZG6	MHCITNS60015	65,790
18.5	25	MHEE200LPG6	MHCITOS618X5	85,570
22	30	MHEE200LRG6	MHCITOS60022	92,885
30	40	MHEE225MP6	MHCITQS60030	1,44,625
37	50	MHEE250MP6	MHCITRS60037	1,94,495
45	60	MHEE280SV6	MHCITSS60045	2,32,980
55	75	MHEE280MV6	MHCITTS60055	2,65,285
75	100	MHEE315SYE6	MHCITUS60075	3,19,350
90	125	MHEE315MYE6	MHCITVS60090	3,99,625
110	150	MHEE315MZE6	MHCITVS60110	4,45,620
132	180	MHEE315LZE6	MHCITWS60132	5,20,210
160	220	MHEE355MA6	MHCITYS60160	5,41,665
180	240	MHEE355MB6	MHCITYS60180	5,97,515
200	270	MHEE355MC6	MHCITYS60200	6,20,495
250	340	MHEE355LA6	MHCITZS60250	6,68,750
315	425	MHEE355LB6	MHCITZS60315	10,64,640

\* Class F insulation with temperature rise limited to Class B

Slot  
Insulation

## 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	12,160
0.25	0.33	MHBY63ZBA2	MHFXTBS20X25	12,295
0.37	0.5	MHBY71ZAA2	MHFXTCS20X37	12,590
0.55	0.75	MHBY71ZBA2	MHFXTCS20X55	13,320
0.75	1	MHBY80ZAA2	MHFXTDS20X75	14,000
1.1	1.5	MHBY80ZBA2	MHFXTDS20X1	14,710
1.5	2	MHBY90SAA2	MHFXTES20X5	19,150
2.2	3	MHBY90LCA2	MHFXTFS20X2	21,445
3	4	MHBY100LAA2	MHFXTGS20003	24,030
3.7	5	MHBY100LBA2	MHFXTGS203X7	25,615
3.7	5	MHBY112MAA2	MHFXTGS203X7	32,025
5.5	7.5	MHBY132SYA2	MHFXTIS205X5	37,640
7.5	10	MHBY132SZA2	MHFXTIS207X5	39,240
9.3	12.5	MHBY160MTG2	MHFXTKS209X3	60,585
11	15	MHBY160MVA2	MHFXTKS20011	61,830
15	20	MHBY160MXA2	MHFXTKS20015	77,350
18.5	25	MHBY160LXA2	MHFXTLS2018X5	90,335

### 4 Pole- 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.12	0.18	MHBY63ZAA4	MHFXTBS40X12	11,035
0.18	0.25	MHBY63ZBA4	MHFXTBS40X18	11,335
0.25	0.33	MHBY71ZAA4	MHFXTCS40X25	12,260
0.37	0.5	MHBY71ZBA4	MHFXTCS40X37	13,195
0.55	0.75	MHBY80ZAA4	MHFXTDS40X55	14,170
0.75	1	MHBY80ZBA4	MHFXTDS40X75	14,215
1.1	1.5	MHBY90SAA4	MHFXTES401X1	18,695
1.5	2	MHBY90LBA4	MHFXTFS401X5	20,225
2.2	3	MHBY100LAA4	MHFXTGS402X2	23,725
3	4	MHBY100LBA4	MHFXTGS40003	25,420
3.7	5	MHBY112MAA4	MHFXTGS403X7	29,210
5.5	7.5	MHBY132SZA4	MHFXTIS405X5	40,455
7.5	10	MHBY132MZA4	MHFXTJS407X5	49,755
9.3	12.5	MHBY160MYA4	MHFXTKS409X3	61,800
11	15	MHBY160MXA4	MHFXTKS40011	66,200
15	20	MHBY160LXA4	MHFXTLS40015	77,130

### 6 Pole- 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.18	0.25	MHBY71ZAA6	MHFXTCS60X18	12,345
0.25	0.33	MHBY71ZBA6	MHFXTCS60X25	13,420
0.37	0.5	MHBY80ZAA6	MHFXTDS60X37	14,530
0.55	0.75	MHBY80ZBA6	MHFXTDS60X55	14,715
0.75	1	MHBY90SAA6	MHFXTES60X75	19,190
1.1	1.5	MHBY90LBA6	MHFXTFS601X1	20,825
1.5	2	MHBY100LAA6	MHFXTGS601X5	24,070
2.2	3	MHBY112MAA6	MHFXTGS602X2	27,690
3	4	MHBY112MBA6	MHFXTGS60003	32,055
3.7	5	MHBY132SYA6	MHFXTIS603X7	41,200
5.5	7.5	MHBY132MZA6	MHFXTJS605X5	50,420
7.5	10	MHBY160MZA6	MHFXTKS607X5	65,850
9.3	12.5	MHBY160LYA6	MHFXTLS609X3	77,640
11	15	MHBY160LZA6	MHFXTLS60011	80,600

### 8 Pole- 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat Ref	L P ₹
0.12	0.18	MHBY71ZAA8	MHFXTCS80X12	13,745
0.25	0.33	MHBY80ZAA8	MHFXTDS80X25	14,720
0.37	0.5	MHBY90SAA8	MHFXTES80X37	18,830
0.55	0.75	MHBY90LBA8	MHFXTFS80X55	19,530
0.75	1	MHBY100LAA8	MHFXTGS80X75	22,210
1.1	1.5	MHBY100LBA8	MHFXTGS801X1	24,585
1.5	2	MHBY112MAA8	MHFXTGS801X5	28,475
2.2	3	MHBY132SZA8	MHFXTIS802X2	34,475
3	4	MHBY132MZA8	MHFXTJS80003	50,055
3.7	5	MHBY160MYA8	MHFXTKS803X7	57,035
5.5	7.5	MHBY160MZA8	MHFXTKS805X5	66,610
7.5	10	MHBY160LZA8	MHFXTLS807X5	79,215

\* 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	11,455
1.1	1.5	MH80ZBA2	MHIWTDS201X1	12,115
1.5	2	MH90SAA2	MHIWTES201X5	14,675
1.8*	2.5	MH90SBA2	MHIWTES201X8	15,880
2.2	3	MH90LCA2	MHIWTFS202X2	16,875
3	4	MH100LAA2	MHIWTGS20003	18,975
3.7	5	MH100LBA2	MHIWTGS203X7	20,105
3.7*	5.5	MH112MAA2	MHIWTHS203X7	22,525
5.5	7.5	MH132SYA2	MHIWTIS205X5	29,060
7.5	10	MH132SZA2	MHIWTIS207X5	29,975
9.3	12.5	MH160MTG2	MHIWTKS209X3	47,965
11	15	MH160MVA2	MHIWTKS20011	48,870
15	20	MH160MXA2	MHIWTKS20015	54,565
18.5	25	MH160LXA2	MHIWTLS218X5	67,835
22	30	MH180MXG2	MHIWTMS20022	73,550
30	40	MH200LLG2	MHIWTOS20030	1,06,370
37	50	MH200LNG2	MHIWTOS20037	1,26,890
45	60	MH225MN2	MHIWTQS20045	1,61,585
55	75	MH250MN2	MHIWTRS20055	2,15,885

### 4 Pole - 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.55	0.75	MH80ZAA4	MHIWTDS40X55	11,695
0.75	1	MH80ZBA4	MHIWTDS40X75	11,705
1.1	1.5	MH90SAA4	MHIWTES401X1	14,225
1.5	2	MH90LBA4	MHIWTFS401X5	14,940
2.2	3	MH100LAA4	MHIWTGS402X2	18,320
3.7	5	MH112MAA4	MHIWTHS403X7	21,535
5.5	7.5	MH132SZA4	MHIWTIS405X5	27,680
7.5	10	MH132MZA4	MHIWTJS407X5	31,010
9.3	12.5	MH160MYA4	MHIWTKS409X3	46,065
11	15	MH160MXA4	MHIWTKS40011	46,660
15	20	MH160LXA4	MHIWTLS40015	55,385
18.5	25	MH180MXG4	MHIWTMS418X5	70,305
22	30	MH180LXG4	MHIWTNS40022	77,640
30	40	MH200LNG4	MHIWTOS40030	1,02,630
37	50	MH225SN4	MHIWTPS40037	1,24,300
45	60	MH225MN4	MHIWTQS40045	1,48,135
55	75	MH250MN4	MHIWTRS40055	2,01,720

### 6 Pole- 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MH80ZAA6	MHIWTDS60X37	12,095
0.55	0.75	MH80ZBA6	MHIWTDS60X55	12,190
0.75	1	MH90SAA6	MHIWTES60X75	14,760
1.1	1.5	MH90LBA6	MHIWTFS601X1	15,530
1.5	2	MH100LAA6	MHIWTGS601X5	18,340
2.2	3	MH112MAA6	MHIWTHS602X2	20,665
3.7	5	MH132SYA6	MHIWTIS603X7	28,745
5.5	7.5	MH132MZA6	MHIWTJS605X5	31,515
7.5	10	MH160MZA6	MHIWTKS607X5	47,430
9.3	12.5	MH160LYA6	MHIWTLS609X3	48,565
11	15	MH160LZA6	MHIWTLS60011	56,815
15	20	MH180LZG6	MHIWTNS60015	73,050
18.5	25	MH200LPG6	MHIWTOS618X5	93,200
22	30	MH200LRG6	MHIWTOS60022	1,00,270
30	40	MH225MP6	MHIWTQS60030	1,52,140
37	50	MH250MP6	MHIWTRS60037	2,03,105

### 8 Pole - 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.25	0.33	MH80ZAA8	MHIWTDS80X25	12,545
0.37	0.5	MH90SAA8	MHIWTES80X37	13,695
0.55	0.75	MH90LBA8	MHIWTFS80X55	14,420
0.75	1	MH100LAA8	MHIWTGS80X75	17,430
1.1	1.5	MH100LBA8	MHIWTGS801X1	19,740
1.5	2	MH112MAA8	MHIWTHS801X5	21,915
2.2	3	MH132SZA8	MHIWTIS802X2	27,445
3.7	5	MH160MYA8	MHIWTKS803X7	40,205
5.5	7.5	MH160MZA8	MHIWTKS805X5	47,470
7.5	10	MH160LZA8	MHIWTLS807X5	57,895
9.3	12.5	MH180LYG8	MHIWTNS809X3	70,950
11	15	MH180LZG8	MHIWTNS80011	74,450
15	20	MH200LRG8	MHIWTOS80015	1,02,155
18.5	25	MH225SP8	MHIWTPS818X5	1,30,445
22	30	MH225MP8	MHIWTQS80022	1,55,050
30	40	MH250MP8	MHIWTRS80030	2,06,870

\* 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	11,745
1.1	1.5	MH80ZBA2	MHIDTDS201X1	12,435
1.5	2	MH90SAA2	MHIDTES201X5	15,055
1.8*	2.5	MH90SBA2	MHIDTES201X8	16,320
2.2	3	MH90LCA2	MHIDTFS202X2	17,355
3	4	MH100LAA2	MHIDTGS20003	19,545
3.7	5	MH100LBA2	MHIDTGS203X7	20,720
3.7*	5.5	MH112MAA2	MHIDTHS203X7	23,270
5.5	7.5	MH132SYA2	MHIDTIS205X5	30,060
7.5	10	MH132SZA2	MHIDTIS207X5	31,015
9.3	12.5	MH160MTG2	MHIDTKS209X3	49,785
11	15	MH160MVA2	MHIDTKS20011	50,450
15	20	MH160MXA2	MHIDTKS20015	56,690
18.5	25	MH160LXA2	MHIDTLS218X5	70,600
22	30	MH180MXG2	MHIDTMS20022	76,525
30	40	MH200LLG2	MHIDTOS20030	1,10,800
37	50	MH200LNG2	MHIDTOS20037	1,32,295
45	60	MH225MN2	MHIDTQS20045	1,68,550
55	75	MH250MN2	MHIDTRS20055	2,25,245

### 4 Pole - 1500 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.55	0.75	MH80ZAA4	MHIDTDS40X55	11,995
0.75	1	MH80ZBA4	MHIDTDS40X75	11,995
1.1	1.5	MH90SAA4	MHIDTES401X1	14,585
1.5	2	MH90LBA4	MHIDTFS401X5	15,335
2.2	3	MH100LAA4	MHIDTGS402X2	18,850
3.7	5	MH112MAA4	MHIDTHS403X7	22,210
5.5	7.5	MH132SZA4	MHIDTIS405X5	28,605
7.5	10	MH132MZA4	MHIDTJS407X5	32,090
9.3	12.5	MH160MYA4	MHIDTKS409X3	47,795
11	15	MH160MXA4	MHIDTKS40011	48,240
15	20	MH160LXA4	MHIDTLS40015	57,545
18.5	25	MH180MXG4	MHIDTMS418X5	73,120
22	30	MH180LXG4	MHIDTNS40022	80,785
30	40	MH200LNG4	MHIDTOS40030	1,06,890
37	50	MH225SN4	MHIDTPS40037	1,29,525
45	60	MH225MN4	MHIDTQS40045	1,54,470
55	75	MH250MN4	MHIDTRS40055	2,10,425

### 6 Pole - 1000 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.37	0.5	MH80ZAA6	MHIDTDS60X37	12,410
0.55	0.75	MH80ZBA6	MHIDTDS60X55	12,510
0.75	1	MH90SAA6	MHIDTES60X75	15,150
1.1	1.5	MH90LBA6	MHIDTFS601X1	15,960
1.5	2	MH100LAA6	MHIDTGS601X5	18,885
2.2	3	MH112MAA6	MHIDTHS602X2	21,320
3.7	5	MH132SYA6	MHIDTIS603X7	29,725
5.5	7.5	MH132MZA6	MHIDTJS605X5	32,625
7.5	10	MH160MZA6	MHIDTKS607X5	49,225
9.3	12.5	MH160LYA6	MHIDTLS609X3	50,410
11	15	MH160LZA6	MHIDTLS60011	59,040
15	20	MH180LZG6	MHIDTNS60015	76,005
18.5	25	MH200LPG6	MHIDTOS618X5	97,040
22	30	MH200LRG6	MHIDTOS60022	1,04,430
30	40	MH225MP6	MHIDTQS60030	1,58,675
37	50	MH250MP6	MHIDTRS60037	2,11,880

### 8 Pole - 750 RPM

HSN Code: 8501

Kw	HP	Frame	Cat. Ref.	L P ₹
0.25	0.33	MH80ZAA8	MHIDTDS80X25	12,885
0.37	0.5	MH90SAA8	MHIDTES80X37	14,055
0.55	0.75	MH90LBA8	MHIDTFS80X55	14,810
0.75	1	MH100LAA8	MHIDTGS80X75	17,935
1.1	1.5	MH100LBA8	MHIDTGS801X1	20,340
1.5	2	MH112MAA8	MHIDTHS801X5	23,265
2.2	3	MH132SZA8	MHIDTIS802X2	28,385
3.7	5	MH160MYA8	MHIDTKS803X7	41,675
5.5	7.5	MH160MZA8	MHIDTKS805X5	49,255
7.5	10	MH160LZA8	MHIDTLS807X5	60,175
9.3	12.5	MH180LYG8	MHIDTNS809X3	73,805
11	15	MH180LZG8	MHIDTNS80011	77,460
15	20	MH200LRG8	MHIDTOS80015	1,06,405
18.5	25	MH225SP8	MHIDTPS818X5	1,35,960
22	30	MH225MP8	MHIDTQS80022	1,61,695
30	40	MH250MP8	MHIDTRS80030	2,15,820

\* Class F insulation with temperature rise limited to Class B



## Single Phase

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

Horizontal Foot Mounted Induction Motor suitable for 220V  $\pm$  10%, 3 Phase, 50 Hz  $\pm$  5%, Insulation Class 'F', Ambient of 50°C.

### Sheet Metal Body (Foot)

HSN Code: 8501

Model	Item Code	Description	Application	L P ₹
S4020	MHSABBS40X25	1PH-B56-DP-CSIR-B3-4P-0.25HP GP MTR	General Purpose	4,530
S4050	MHSABBS40X50	1PH-B56-DP-CSIR-B3-4P-0.50HP GP MTR	General Purpose	4,925
S4100	MHSABBS40001	1PH-B56-DP-CSIR-B3-4P-1 HP GP MTR	General Purpose	5,925
S4104	MHSBBBS40001	1PH-B56-DP-CSCR-B3-4P-1HP GP MTR	General Purpose	6,750
S4101	MHSAABS40001	1PH-B56-DPFC-CSIR-B3-4P-1 HP GP MTR	General Purpose	7,150
S4102	MHSBTBS40001	1PH-B56-TEFC-CSCR-B3-4P-1 HP GP MTR	General Purpose	7,450
S4150	MHSBTCS401X5	1PH-100S-TEFC-CSCR-B3-4P-1.5HP GP MTR	General Purpose	9,100
S4200	MHSBTCS40002	1PH-100S-TEFC-CSCR-B3-4P-2 HP GP MTR	General Purpose	10,400
S4300	MHSBTCS40003	1PH-100S-TEFC-CSCR-B3-4P-3 HP GP MTR	General Purpose	13,350
S4305	MHSBACS40003	1PH-100S-DPFC-CSCR-B3-4P-3 HP GP MTR	General Purpose	13,350
S4201	MHSFTCS40001	1PH-100S-TEFC-CSCR-B3-4P-2HP MCB GP MTR	General Purpose	11,130
S4301	MHSFTCS40002	1PH-100S-TEFC-CSCR-B3-4P-3HP MCB GP MTR	General Purpose	14,000

### Sheet Metal Body (Flange)

HSN Code: 8501

Model	Item Code	Description	Application	L P ₹
F4151	MHSBTCF401X5	1PH-100S-TEFC-CSCR-B5-4P-1.5HP GP MTR	General Purpose	9,500
F4204	MHSBTCF40002	1PH-100S-TEFC-CSCR-B5-4P-2 HP GP MTR	General Purpose	10,225
F4054	MHSABBF40X50	1PH-B56-DP-CSIR-B5-4P-0.50HP GP MTR	General Purpose	5,265
F4108	MHSABBF40001	1PH-B56-DP-CSIR-B5-4P-1 HP GP MTR	General Purpose	6,600
F4107	MHSBTBF40001	1PH-B56-TEFC-CSCR-B5-4P-1 HP GP MTR	General Purpose	7,245
F4053	MHSATBF40X50	1PH-B56-TEFC-CSIR-B5-4P-0.50HP GP MTR	General Purpose	5,550

### Spline Shaft 3 Phase Motor

HSN Code: 8501

Item Code	Description	L P ₹
MHNETDF45054	0.75KW-4P-3PH-B5-80Z-SPLINE MTR	7,350
MHNETFF44360	1.5KW-4P-3PH-B5-90L-SPLINE MTR	9,500
MHNETGF45055	2.2KW-4P-3PH-B5-100L-SPLINE MTR	12,000

# 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 132	Nil
2.2	Frame 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 132	3% of LP
6.2	160 Frame Onwards	5% 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	Frequency	
	Base Frequency 50Hz or 60Hz	Nil
	50 / 60Hz motors for export	Nil
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
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. BTM 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



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**NORTH - REGIONAL OFFICE: Corporate Office:** QRG Towers, 2D, Sector-126, Expressway, Noida-201304, Tel: 0120-3331000, **Delhi:** Tel: 011-47676700, 23888200, **Chandigarh:** Tel: 0172-4232400-401, **Dehradun:** Tel: 0135-6670202, **Noida / Haryana:** Tel: 0120-3331000, **Ludhiana:** Tel: 0161-4676000 / 24, **Jammu:** Tel: 0191-2478330, 2479330, **Sri Nagar:** Tel: 0194-2490431, **Jaipur:** Tel: 0141-3914645, 3988210 **Jodhpur:** Tel: 0291-9214201640 / 45, **Lucknow:** Tel: 0522-6672100, **Kanpur:** Tel: 0512-6710400, 6710409

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**WEST - REGIONAL OFFICE: Mumbai:** 1271, Solitaire Corporate Park, Bldg. No. 12, 7th Floor, Andheri - Ghatkopar Link Road, Chakala, Andheri (East), Mumbai- 400093. Ph.: 022 - 67298600-602, **Ahmedabad:** Tel: 079-40061111, 40060738-740, **Indore:** Tel: 0731-2572340-41, 4009998 (Airtel), **Rajkot:** Tel: 0281-2481112, 2921212, **Nagpur:** Tel: 0712-2240932, 2242692, 2242699 **Pune:** Tel: 020-64016413 / 14, **Raipur:** Tel: 0771-4243400 / 01, **Surat:** Tel: 0261-2350137, 9979890137, **Jabalpur:** Tel: 0761-4064491

**SOUTH - REGIONAL OFFICE: Chennai:** Sigapi Achi Building, No. 18 / 3, 6th Floor, Rukmani Lakshmiipathy Road, Egmore, Chennai-600008, Tel: 044-42280600, 605, **Bangalore:** Tel: 080-49075000, **Coimbatore:** Tel: 0422-4550200, 2305199, 2306199, **Hyderabad:** Tel: 040-27533372, 27533355, 27533632, 66320407/0408/6401/6402, **Kochi:** Tel: 0484-4099000, **Vishakapatnam:** Tel: 0891-6514339, **Vizag:** Tel: 0891-6514339, **Vijayawada:** Tel: 91+9247058847/57, **Calicut:** 0495-4019194, **Madurai:** 0452-4267022, **Trivandrum:** 0471-4015323, **Hubli:** 09448146028, **Trichy:** 099444460160

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- Prices are in Indian ₹.
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- 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.



**Havells India Ltd.**

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