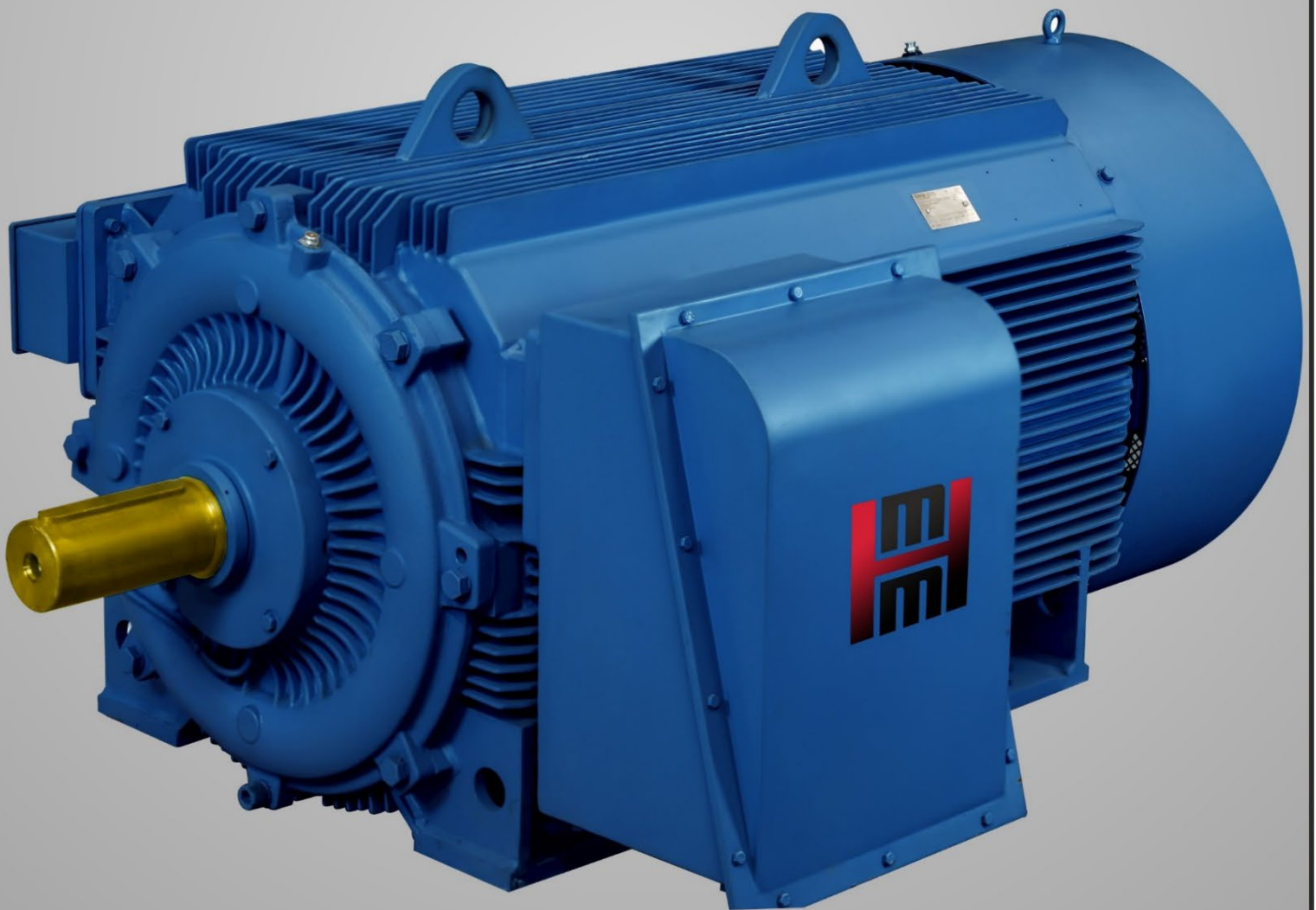


# Price list no. 43/2024

Effective from 28th May 2024















































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IE3

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**HINDUSTAN Flameproof Ex'd' IE3** induction motors suitable for 415V±10%, 50Hz±5%, combined ±10%, 3 phase supply, foot mounted (B3 construction), ambient temperature 50°C, TEFC, Class 'F' insulation, IP55 protection, continuous rated (S1 duty) with bare shaft & key as per IEC:60034-1 & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>6 Pole, 1000 rpm</b>					<b>8 Pole, 750 rpm</b>				
0.18	0.25	71 FLP	2FE3 073-0603	23,640	0.12	0.16	71 FLP	2FE3 073-0803	27,480
0.25	0.33	71 FLP	2FE3 074-0603	24,300	0.18	0.25	80 FLP	2FE3 080-0803	28,070
0.37	0.50	80 FLP	2FE3 080-0603	24,970	0.25	0.33	80 FLP	2FE3 083-0803	28,320
0.55	0.75	80 FLP	2FE3 083-0603	25,670	0.37	0.50	90 FLP	2FE3 090-0803	29,200
0.75	1.0	90 FLP	2FE3 090-0603	29,910	0.55	0.75	90 FLP	2FE3 096-0803	31,800
1.1	1.5	90 FLP	2FE3 096-0603	30,780	0.75	1.0	100L FLP	2FE3 106-0803	38,440
1.5	2.0	100L FLP	2FE3 106-0603	44,580	1.1	1.5	100L FLP	2FE3 107-0803	44,620
2.2	3.0	112M FLP	2FE3 123-0603	51,790	1.5	2.0	112M FLP	2FE3 123-0803	53,650
3.7	5.0	132M FLP	2FE3 130-0603	68,570	2.2	3.0	132M FLP	2FE3 130-0803	70,900
5.5	7.5	132M FLP	2FE3 133-0603	83,140	3.7	5.0	132M FLP	2FE3 133-0803 *	107,340
7.5	10.0	160L FLP	2FE3 163-0603	128,600			160L FLP	2FE3 163-0803	114,530
9.3	12.5	160L FLP	2FE3 166-0603	149,990	5.5	7.5	160L FLP	2FE3 164-0803	131,600
11.0	15.0	160L FLP	2FE3 167-0603	157,490	7.5	10.0	160L FLP	2FE3 166-0803	160,490
15.0	20.0	180L FLP	2FE3 186-0603	201,420	9.3	12.5	180L FLP	2FE3 183-0803	204,190
18.5	25.0	200L FLP	2FE3 206-0603	250,530	11.0	15.0	180L FLP	2FE3 186-0803	214,940
22.0	30.0	200L FLP	2FE3 207-0603	271,730	15.0	20.0	200L FLP	2FE3 206-0803	278,100
30.0	40.0	225MX FLP	2FE3 223-0603	445,470	18.5	25.0	225SX FLP	2FE3 220-0803	345,360
37.0	50.0	250MX FLP	2FE3 253-0603	547,100	22.0	30.0	225MX FLP	2FE3 223-0803	454,450
45.0	60.0	280SX FLP	2FE3 280-0603	635,410	30.0	40.0	250MX FLP	2FE3 253-0803	558,130
55.0	75.0	280MX FLP	2FE3 283-0603	685,340	37.0	50.0	280SX FLP	2FE3 280-0803	716,260
75.0	100.0	315SX FLP	2FE3 310-0603	803,640	45.0	60.0	280MX FLP	2FE3 283-0803	728,110
90.0	120.0	315MX FLP	2FE3 313-0603	942,380	55.0	75.0	315SX FLP	2FE3 310-0803	887,140
110.0	150.0	315MX FLP	2FE3 314-0603	1,033,170	75.0	100.0	315MX FLP	2FE3 313-0803	1,039,040
132.0	180.0	315LX FLP	2FE3 317-0603	1,252,360	90.0	120.0	315LX FLP	2FE3 316-0803	1,137,300
* 45°C Ambient, Insulation class F utilised upto class F limit.					110.0	150.0	315LX FLP	2FE3 317-0803	1,268,170



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FD

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**HINDUSTAN Flameproof Ex'd' Standard** induction motors suitable for 415V $\pm$ 10%, 50Hz $\pm$ 5%, combined  $\pm$ 10%, 3 phase supply, foot mounted (B3 construction), ambient temperature 50°C, TEFC, Class 'F' insulation, IP55 protection, continuous rated (S1 duty) with bare shaft & key as per IEC:60034-1 & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>2 Pole, 3000 rpm</b>					<b>4 Pole, 1500 rpm</b>				
0.18	0.25	63 FLP	2FD1 063-0203	17,410	0.12	0.16	63 FLP	2FD1 061-0403	17,000
0.25	0.33	63 FLP	2FD1 064-0203	17,530	0.18	0.25	63 FLP	2FD1 063-0403	17,180
0.37	0.50	71 FLP	2FD1 070-0203	17,880	0.25	0.33	71 FLP	2FD1 070-0403	17,450
0.55	0.75	71 FLP	2FD1 073-0203	19,980	0.37	0.50	71 FLP	2FD1 073-0403	17,550
0.75	1.0	80 FLP	2FD1 080-0203	20,570	0.55	0.75	80 FLP	2FD1 080-0403	19,400
1.1	1.5	80 FLP	2FD1 083-0203	23,020	0.75	1.0	80 FLP	2FD1 083-0403	20,130
1.5	2.0	90 FLP	2FD1 090-0203	24,140	1.1	1.5	90 FLP	2FD1 090-0403	23,020
2.2	3.0	90 FLP	2FD1 096-0203	32,230	1.5	2.0	90 FLP	2FD1 096-0403	24,970
3.7	5.0	100L FLP	2FD1 106-0203	40,810	2.2	3.0	100L FLP	2FD1 106-0403	31,760
5.5	7.5	112M FLP	2FD1 123-0203	52,510	3.0	4.0	100L FLP	2FD1 107-0403	35,080
7.5	10.0	132M FLP	2FD1 130-0203	63,900	3.7	5.0	112M FLP	2FD1 123-0403	40,100
9.3	12.5	132M FLP	2FD1 133-0203	92,900	4.5	6.0	112M FLP	2FD1 124-0403	45,110
11.0	15.0	160L FLP	2FD1 163-0203	112,140	5.5	7.5	132M FLP	2FD1 130-0403	55,320
15.0	20.0	160L FLP	2FD1 164-0203	136,060	7.5	10.0	132M FLP	2FD1 133-0403	62,990
18.5	25.0	160L FLP	2FD1 166-0203	154,780	9.3	12.5	132M FLP	2FD1 134-0403	77,160
22.0	30.0	180L FLP	2FD1 183-0203	177,680			160L FLP	2FD1 163-0403	96,360
30.0	40.0	200L FLP	2FD1 206-0203	239,770	11.0	15.0	160L FLP	2FD1 164-0403	101,780
37.0	50.0	200L FLP	2FD1 207-0203	311,100	15.0	20.0	160L FLP	2FD1 166-0403	124,010
45.0	60.0	225M FLP	2FD1 223-0203	393,170	18.5	25.0	180L FLP	2FD1 183-0403	136,260
55.0	75.0	250M FLP	2FD1 253-0203	482,650	22.0	30.0	180L FLP	2FD1 186-0403	161,950
75.0	100.0	280S FLP	2FD1 280-0203	594,430	30.0	40.0	200L FLP	2FD1 206-0403	218,170
90.0	120.0	280M FLP	2FD1 283-0203	642,800	37.0	50.0	225SX FLP	2FD1 220-0403	284,150
110.0	150.0	315S FLP	2FD1 310-0203	744,760	45.0	60.0	225MX FLP	2FD1 223-0403	357,740
132.0	180.0	315M FLP	2FD1 313-0203	883,030	55.0	75.0	250MX FLP	2FD1 253-0403	439,440
150.0	200.0	315M FLP	2FD1 314-0203	960,890	75.0	100.0	280SX FLP	2FD1 280-0403	539,600
160.0	215.0	315L FLP	2FD1 316-0203	1,001,110	90.0	120.0	280MX FLP	2FD1 283-0403	550,070
180.0	240.0	315L FLP	2FD1 318-0203	1,200,240	110.0	150.0	315SX FLP	2FD1 310-0403	656,710
200.0	270.0	315L FLP	2FD1 317-0203	1,446,040	132.0	180.0	315MX FLP	2FD1 313-0403	794,790
					150.0	200.0	315MX FLP	2FD1 314-0403	822,860
					160.0	215.0	315LX FLP	2FD1 316-0403	834,590
					180.0	240.0	315LX FLP	2FD1 318-0403	999,000
					200.0	270.0	315LX FLP	2FD1 317-0403	1,154,930



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FD

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**HINDUSTAN Flameproof Ex'd' Standard** induction motors suitable for 415V $\pm$ 10%, 50Hz $\pm$ 5%, combined  $\pm$ 10%, 3 phase supply, foot mounted (B3 construction), ambient temperature 50°C, TEFC, Class 'F' insulation, IP55 protection, continuous rated (S1 duty) with bare shaft & key as per IEC:60034-1 & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>6 Pole, 1000 rpm</b>					<b>8 Pole, 750 rpm</b>				
0.18	0.25	71 FLP	2FD1 073-0603	19,300	0.12	0.16	71 FLP	2FD1 073-0803	22,420
0.25	0.33	71 FLP	2FD1 074-0603	19,850	0.18	0.25	80 FLP	2FD1 080-0803	22,900
0.37	0.50	80 FLP	2FD1 080-0603	20,430	0.25	0.33	80 FLP	2FD1 083-0803	23,140
0.55	0.75	80 FLP	2FD1 083-0603	20,890	0.37	0.50	90 FLP	2FD1 090-0803	23,890
0.75	1.0	90 FLP	2FD1 090-0603	24,340	0.55	0.75	90 FLP	2FD1 096-0803	25,860
1.1	1.5	90 FLP	2FD1 096-0603	25,120	0.75	1.0	100L FLP	2FD1 106-0803	31,290
1.5	2.0	100L FLP	2FD1 106-0603	36,260	1.1	1.5	100L FLP	2FD1 107-0803	36,410
2.2	3.0	112M FLP	2FD1 123-0603	42,150	1.5	2.0	112M FLP	2FD1 123-0803	43,670
3.7	5.0	132M FLP	2FD1 130-0603	55,920	2.2	3.0	132M FLP	2FD1 130-0803	57,710
5.5	7.5	132M FLP	2FD1 133-0603	67,690	3.7	5.0	132M FLP	2FD1 133-0803	93,340
7.5	10.0	160L FLP	2FD1 164-0603	104,710	5.5	7.5	160L FLP	2FD1 164-0803	107,140
9.3	12.5	160L FLP	2FD1 166-0603	122,030	7.5	10.0	160L FLP	2FD1 166-0803	130,690
11.0	15.0	160L FLP	2FD1 167-0603	128,220	9.3	12.5	180L FLP	2FD1 183-0803	161,430
15.0	20.0	180L FLP	2FD1 186-0603	166,470	11.0	15.0	180L FLP	2FD1 186-0803	170,000
18.5	25.0	200L FLP	2FD1 206-0603	206,970	15.0	20.0	200L FLP	2FD1 206-0803	229,810
22.0	30.0	200L FLP	2FD1 207-0603	224,520	18.5	25.0	225SX FLP	2FD1 220-0803	285,320
30.0	40.0	225MX FLP	2FD1 223-0603	368,090	22.0	30.0	225MX FLP	2FD1 223-0803	375,480
37.0	50.0	250MX FLP	2FD1 253-0603	452,010	30.0	40.0	250MX FLP	2FD1 253-0803	461,130
45.0	60.0	280SX FLP	2FD1 280-0603	527,400	37.0	50.0	280SX FLP	2FD1 280-0803	591,790
55.0	75.0	280MX FLP	2FD1 283-0603	568,860	45.0	60.0	280MX FLP	2FD1 283-0803	604,360
75.0	100.0	315SX FLP	2FD1 310-0603	667,070	55.0	75.0	315SX FLP	2FD1 310-0803	736,360
90.0	120.0	315MX FLP	2FD1 313-0603	782,180	75.0	100.0	315MX FLP	2FD1 313-0803	862,430
110.0	150.0	315MX FLP	2FD1 314-0603	857,560	90.0	120.0	315LX FLP	2FD1 316-0803	943,980
132.0	180.0	315LX FLP	2FD1 316-0603	1,039,490	110.0	150.0	315LX FLP	2FD1 317-0803	1,052,650
150.0	200.0	315LX FLP	2FD1 318-0603	1,084,930					



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FP

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**HINDUSTAN Flameproof Ex'd' Two speed** induction motors suitable for 415V±10%, 50Hz±5%, combined ±10%, 3 phase supply, foot mounted (B3 construction) ambient temperature 50°C, TEFC, class 'F' insulation, IP55 protection, continuous rated (S1 duty) with bare shaft & key as per IEC:60034-1 & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Polarity	Type Designation	List Price ₹
0.09/0.12	0.125/0.16	63 FLP	4/2	2FD5 063-4203	24,050
0.25/0.25	0.33/0.33	71 FLP	4/2	2FD5 070-4203	24,480
0.30/0.40	0.40/0.54	71 FLP	4/2	2FD5 073-4203	24,570
0.37/0.55	0.50/0.75	80 FLP	4/2	2FD5 080-4203	26,190
0.45/0.60	0.60/0.80	80 FLP	4/2	2FD5 083-4203	27,190
0.75/1.1	1.0/1.5	90 FLP	4/2	2FD5 090-4203	31,070
1.05/1.65	1.4/2.2	90 FLP	4/2	2FD5 096-4203	34,980
1.65/2.2	2.2/3.0	100L FLP	4/2	2FD5 106-4203	50,480
3.0/4.1	4.0/5.5	112M FLP	4/2	2FD5 123-4203	62,540
4.0/5.1	5.4/6.8	132M FLP	4/2	2FD5 130-4203	81,680
6.0/7.5	8.0/10.0	132M FLP	4/2	2FD5 133-4203	97,660
9.0/10.5	12.0/14.0	160L FLP	4/2	2FD5 164-4203	149,080
12.0/14.2	16.0/19.0	160L FLP	4/2	2FD5 166-4203	177,350
15.0/15.0	20.0/20.0	180L FLP	4/2	2FD5 183-4203	218,880
18.0/21.0	24.0/28.0	180L FLP	4/2	2FD5 186-4203	240,720
22.0/24.0	30.0/32.0	200L FLP	4/2	2FD5 206-4203	280,410
30.0/36.0	40.0/48.0	225MX FLP	4/2	2FD5 223-4203	460,180
41.0/52.0	55.0/70.0	250MX FLP	4/2	2FD5 253-4203	565,350
60.0/75.0	80.0/100.0	280SX FLP	4/2	2FD5 280-4203	725,750
70.0/85.0	94.0/114.0	280MX FLP	4/2	2FD5 283-4203	739,850
85.0/100.0	114.0/134.0	315SX FLP	4/2	2FD5 310-4203	918,260
100.0/120.0	134.0/160.0	315MX FLP	4/2	2FD5 313-4203	1,100,860
0.09/0.12	0.12/0.16	80 FLP	8/4	2FD5 080-8403	29,760
0.18/0.25	0.25/0.33	80 FLP	8/4	2FD5 083-8403	30,070
0.25/0.37	0.33/0.50	90 FLP	8/4	2FD5 090-8403	31,080
0.37/0.55	0.50/0.75	90 FLP	8/4	2FD5 096-8403	33,660
0.55/0.93	0.75/1.25	100L FLP	8/4	2FD5 106-8403	39,630
0.75/1.1	1.0/1.5	100L FLP	8/4	2FD5 107-8403	44,570
1.1/1.8	1.5/2.4	112M FLP	8/4	2FD5 123-8403	52,170
1.8/2.7	2.4/3.6	132M FLP	8/4	2FD5 130-8403	67,900
3.0/3.9	4.0/5.2	132M FLP	8/4	2FD5 133-8403	111,420
3.7/5.5	5.0/7.5	160L FLP	8/4	2FD5 164-8403	127,960
5.5/9.3	7.5/12.5	160L FLP	8/4	2FD5 166-8403	156,120
7.5/10.5	10.0/14.0	180L FLP	8/4	2FD5 183-8403	198,420
9.3/12.0	12.5/16.0	180L FLP	8/4	2FD5 186-8403	209,000
11.0/15.0	15.0/20.0	200L FLP	8/4	2FD5 206-8403	282,500
18.5/24.0	25.0/32.0	225MX FLP	8/4	2FD5 223-8403	461,600
26.0/34.0	35.0/45.0	250MX FLP	8/4	2FD5 253-8403	566,900
30.0/37.0	40.0/50.0	250MX FLP	8/4	2FD5 254-8403	616,960
37.0/45.0	50.0/60.0	280SX FLP	8/4	2FD5 280-8403	761,270





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FP

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**HINDUSTAN Flameproof Ex'd' Two speed** induction motors suitable for 415V±10%, 50Hz±5%, combined ±10%, 3 phase supply, foot mounted (B3 construction) ambient temperature 50°C, TEFC, class 'F' insulation, IP55 protection, continuous rated (S1 duty) with bare shaft & key as per IEC:60034-1 & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Polarity	Type Designation	List Price ₹
28.0/55.0	37.0/75.0	280MX FLP	8/4	2FD5 283-8403	777,460
45.0/55.0	60.0/75.0	315SX FLP	8/4	2FD5 310-8403	947,260
55.0/75.0	75.0/100.0	315MX FLP	8/4	2FD5 313-8403	1,109,450
0.12/0.15	0.16/0.20	71 FLP	6/4	2FD5 073-6403	26,030
0.30/0.45	0.40/0.60	80 FLP	6/4	2FD5 083-6403	28,220
0.45/0.67	0.60/0.90	90 FLP	6/4	2FD5 090-6403	30,850
0.75/1.1	1.0/1.5	90 FLP	6/4	2FD5 096-6403	32,670
1.05/1.5	1.4/2.0	100L FLP	6/4	2FD5 106-6403	43,350
1.65/2.2	2.2/3.0	112M FLP	6/4	2FD5 123-6403	50,320
2.7/3.9	3.6/5.2	132M FLP	6/4	2FD5 130-6403	67,090
4.2/5.7	5.6/7.6	132M FLP	6/4	2FD5 133-6403	80,890
5.5/9.0	7.5/12.0	160L FLP	6/4	2FD5 164-6403	125,080
9.0/12.0	12.0/16.0	160L FLP	6/4	2FD5 166-6403	153,850
11.0/16.5	15.0/22.0	180L FLP	6/4	2FD5 186-6403	204,680
16.5/22.0	22.0/30.0	200L FLP	6/4	2FD5 206-6403	262,500
22.0/30.0	30.0/40.0	225MX FLP	6/4	2FD5 223-6403	454,590
30.0/37.0	40.0/50.0	250MX FLP	6/4	2FD5 253-6403	558,220
30.0/45.0	40.0/60.0	280SX FLP	6/4	2FD5 280-6403	678,320
45.0/55.0	60.0/75.0	280MX FLP	6/4	2FD5 283-6403	731,710
3.7/5.5	5.0/7.5	160L FLP	8/6	2FD5 164-8603	127,300
5.5/7.5	7.5/10.0	160L FLP	8/6	2FD5 166-8603	155,270
6.3/9.3	8.5/12.5	180L FLP	8/6	2FD5 183-8603	197,340
7.5/11.0	10.0/15.0	180L FLP	8/6	2FD5 186-8603	207,760
11.0/15.0	15.0/20.0	200L FLP	8/6	2FD5 206-8603	280,230
16.8/22.0	22.5/30.0	225MX FLP	8/6	2FD5 223-8603	463,750
22.0/30.0	30.0/40.0	250MX FLP	8/6	2FD5 253-8603	593,250



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FC

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**HINDUSTAN Flameproof Ex'd' Crane duty** induction motors suitable for 415V $\pm$ 10%, 50Hz $\pm$ 5%, combined  $\pm$ 10%, 3 phase supply, foot mounted (B3 construction), ambient temperature 50°C, TEFC, class 'F' insulation, IP55 protection, S4 duty, 40% CDF, 150 st/hr with bare shaft & key, suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>4 Pole, 1500 rpm</b>					<b>6 Pole, 1000 rpm</b>				
0.55	0.75	71 FLP	2FC1 070-0403	18,340	11.0	15.0	160L FLP	2FC1 166-0603	127,040
0.75	1.0	80 FLP	2FC1 080-0403	20,360	15.0	20.0	160L FLP	2FC1 167-0603	134,640
1.1	1.5	80 FLP	2FC1 083-0403	21,150	18.5	25.0	180L FLP	2FC1 186-0603	179,890
1.5	2.0	90 FLP	2FC1 090-0403	24,190	22.0	30.0	200L FLP	2FC1 207-0603	242,610
2.2	3.0	90 FLP	2FC1 096-0403	26,220	30.0	40.0	225M FLP	2FC1 223-0603	397,770
3.7	5.0	100L FLP	2FC1 106-0403	33,350	37.0	50.0	250M FLP	2FC1 253-0603	488,440
5.5	7.5	112M FLP	2FC1 123-0403	42,090	45.0	60.0	280M FLP	2FC1 280-0603	593,540
7.5	10.0	132M FLP	2FC1 130-0403	58,090	55.0	75.0	280M FLP	2FC1 283-0603	640,230
9.3	12.5	132M FLP	2FC1 133-0403	66,140	75.0	100.0	315SX FLP	2FC1 310-0603	779,570
11.0	15.0	160L FLP	2FC1 163-0403	101,170	90.0	120.0	315MX FLP	2FC1 313-0603	914,140
15.0	20.0	160L FLP	2FC1 164-0403	106,890	110.0	150.0	315MX FLP	2FC1 314-0603	1,002,260
18.5	25.0	160L FLP	2FC1 166-0403	130,220	132.0	180.0	315LX FLP	2FC1 316-0603	1,214,810
22.0	30.0	180L FLP	2FC1 186-0403	174,980	160.0	215.0	315LX FLP	2FC1 317-0603	1,267,930
30.0	40.0	200L FLP	2FC1 206-0403	235,770	<b>8 Pole, 750 rpm</b>				
37.0	50.0	225M FLP	2FC1 220-0403	307,060	0.37	0.50	80 FLP	2FC1 083-0803	24,280
45.0	60.0	225M FLP	2FC1 223-0403	386,560	0.55	0.75	90 FLP	2FC1 090-0803	25,110
55.0	75.0	250M FLP	2FC1 253-0403	474,860	0.75	1.0	90 FLP	2FC1 096-0803	27,160
75.0	100.0	280M FLP	2FC1 280-0403	609,650	1.1	1.5	100L FLP	2FC1 106-0803	32,840
90.0	120.0	280M FLP	2FC1 283-0403	621,460	1.5	2.0	100L FLP	2FC1 107-0803	38,220
110.0	150.0	315SX FLP	2FC1 310-0403	771,340	2.2	3.0	112M FLP	2FC1 123-0803	45,870
132.0	180.0	315MX FLP	2FC1 313-0403	924,690	3.7	5.0	132M FLP	2FC1 130-0803	60,600
160.0	215.0	315LX FLP	2FC1 316-0403	971,020	5.5	7.5	160L FLP	2FC1 164-0803	112,510
180.0	240.0	315LX FLP	2FC1 317-0403	1,162,300	7.5	10.0	160L FLP	2FC1 166-0803	137,230
200.0	270.0	315LX FLP	2FC1 318-0403	1,248,000	9.3	12.5	160L FLP	2FC1 167-0803	143,760
<b>6 Pole, 1000 rpm</b>					11.0	15.0	180L FLP	2FC1 186-0803	183,720
0.37	0.50	71 FLP	2FC1 070-0603	20,290	15.0	20.0	200L FLP	2FC1 206-0803	248,350
0.55	0.75	80 FLP	2FC1 080-0603	19,490	18.5	25.0	225M FLP	2FC1 220-0803	308,310
0.75	1.0	80 FLP	2FC1 083-0603	19,940	22.0	30.0	225M FLP	2FC1 223-0803	405,760
1.1	1.5	90 FLP	2FC1 090-0603	23,250	30.0	40.0	250M FLP	2FC1 253-0803	498,330
1.5	2.0	90 FLP	2FC1 096-0603	23,980	37.0	50.0	280M FLP	2FC1 280-0803	639,480
2.2	3.0	100L FLP	2FC1 106-0603	34,630	45.0	60.0	280M FLP	2FC1 283-0803	653,060
3.7	5.0	112M FLP	2FC1 123-0603	40,230	55.0	75.0	315SX FLP	2FC1 310-0803	795,710
5.5	7.5	132M FLP	2FC1 130-0603	53,360	75.0	100.0	315MX FLP	2FC1 313-0803	931,940
7.5	10.0	132M FLP	2FC1 133-0603	64,600	90.0	120.0	315MX FLP	2FC1 314-0803	1,020,060
9.3	12.5	160L FLP	2FC1 164-0603	99,950	110.0	150.0	315LX FLP	2FC1 316-0803	1,137,490



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FL

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**HINDUSTAN Flameproof Ex'd' Cooling tower** induction motors suitable for 415V±10%, 50Hz±5%, combined ±10%, 3 phase supply, flange mounted (B5 construction), ambient temperature 50°C, TE construction, Class 'F' insulation, IP55 protection, continuous rated (S1 duty) & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>4 Pole, 1500 rpm</b>					<b>10 Pole, 600 rpm</b>				
0.37	0.50	71 FLP	2FL1 073-0405	18,260	1.5	2.0	132M FLP	2FL1 130-1005	57,760
0.55	0.75	80 FLP	2FL1 080-0405	20,170	2.2	3.0	132M FLP	2FL1 133-1005	93,480
0.75	1.0	80 FLP	2FL1 083-0405	20,930	3.7	5.0	160L FLP	2FL1 164-1005	117,050
1.1	1.5	90 FLP	2FL1 090-0405	23,940	5.5	7.5	180L FLP	2FL1 183-1005	141,900
1.5	2.0	90 FLP	2FL1 096-0405	25,980	7.5	10.0	180L FLP	2FL1 186-1005	179,240
<b>6 Pole, 1000 rpm</b>					9.3	12.5	180L FLP	2FL1 187-1005	215,000
0.75	1.0	90 FLP	2FL1 090-0605	25,310	11.0	15.0	180L FLP	2FL1 188-1005	287,460
1.1	1.5	90 FLP	2FL1 096-0605	26,120	15.0	20.0	200L FLP	2FL1 206-1005	335,280
1.5	2.0	100L FLP	2FL1 106-0605	37,710	18.5	25.0	225MX FLP	2FL1 223-1005	415,910
2.2	3.0	112M FLP	2FL1 123-0605	43,830	<b>12 Pole, 500 rpm</b>				
3.7	5.0	132M FLP	2FL1 130-0605	58,150	1.1	1.5	132M FLP	2FL1 130-1205	57,760
5.5	7.5	132M FLP	2FL1 133-0605	70,400	1.5	2.0	132M FLP	2FL1 133-1205	93,480
7.5	10.0	160L FLP	2FL1 164-0605	108,890	2.2	3.0	160L FLP	2FL1 164-1205	117,050
9.3	12.5	160L FLP	2FL1 166-0605	126,910	3.7	5.0	160L FLP	2FL1 166-1205	142,790
11.0	15.0	160L FLP	2FL1 167-0605	133,350	5.5	7.5	180L FLP	2FL1 183-1205	183,410
<b>8 Pole, 750 rpm</b>					7.5	10.0	180L FLP	2FL1 186-1205	195,140
1.1	1.5	100L FLP	2FL1 106-0805	37,870	9.3	12.5	180L FLP	2FL1 187-1205	261,220
1.5	2.0	112M FLP	2FL1 123-0805	45,420	11.0	15.0	200L FLP	2FL1 206-1205	324,260
2.2	3.0	132M FLP	2FL1 130-0805	60,020	15.0	20.0	225MX FLP	2FL1 223-1205	424,930
3.7	5.0	132M FLP	2FL1 133-0805	97,070	18.5	25.0	250MX FLP	2FL1 253-1205	521,890
5.5	7.5	160L FLP	2FL1 164-0805	111,430	22.0	30.0	280SX FLP	2FL1 280-1205	712,470
7.5	10.0	160L FLP	2FL1 166-0805	135,920	30.0	40.0	280MX FLP	2FL1 283-1205	727,610
9.3	12.5	180L FLP	2FL1 183-0805	167,890	37.0	50.0	315SX FLP	2FL1 310-1205	886,540
11.0	15.0	180L FLP	2FL1 186-0805	176,800	45.0	60.0	315MX FLP	2FL1 313-1205	1,038,370
15.0	20.0	200L FLP	2FL1 206-0805	239,000					



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FL2, FL3

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**HINDUSTAN Flameproof Ex'd' IE Cooling tower** induction motors suitable for 415V±10%, 50Hz±5%, combined ±10%, 3 phase supply, flange mounted (B5 construction), ambient temperature 50°C, TE construction, Class 'F' insulation, IP55 protection, continuous rated (S1 duty) & suitable for gas group IIB as per IS/IEC:60079-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
<b>4 Pole, 1500 rpm, IE2</b>					<b>4 Pole, 1500 rpm, IE3</b>				
0.37	0.50	71 FLP	2ML2 073-0405	19,840	0.37	0.50	71 FLP	2ML3 073-0405	22,310
0.55	0.75	80 FLP	2ML2 080-0405	21,920	0.55	0.75	80 FLP	2ML3 080-0405	24,660
0.75	1.0	80 FLP	2ML2 083-0405	22,770	0.75	1.0	80 FLP	2ML3 083-0405	25,600
1.1	1.5	90 FLP	2ML2 090-0405	26,000	1.1	1.5	90 FLP	2ML3 090-0405	29,210
1.5	2.0	90 FLP	2ML2 096-0405	28,260	1.5	2.0	90 FLP	2ML3 096-0405	31,770
<b>6 Pole, 1000 rpm, IE2</b>					<b>6 Pole, 1000 rpm, IE3</b>				
0.75	1.0	90 FLP	2ML2 090-0605	27,520	0.75	1.0	90 FLP	2ML3 090-0605	30,930
1.1	1.5	90 FLP	2ML2 096-0605	28,390	1.1	1.5	90 FLP	2ML3 096-0605	31,910
1.5	2.0	100L FLP	2ML2 106-0605	41,220	1.5	2.0	100L FLP	2ML3 106-0605	46,320
2.2	3.0	112M FLP	2ML2 123-0605	47,650	2.2	3.0	112M FLP	2ML3 123-0605	53,550
3.7	5.0	132M FLP	2ML2 130-0605	63,220	3.7	5.0	132M FLP	2ML3 130-0605	71,060
5.5	7.5	132M FLP	2ML2 133-0605	76,520	5.5	7.5	132M FLP	2ML3 133-0605	85,980
7.5	10.0	160L FLP	2ML2 164-0605	118,320	7.5	10.0	160L FLP	2ML3 164-0605	132,980
9.3	12.5	160L FLP	2ML2 166-0605	136,720	9.3	12.5	160L FLP	2ML3 166-0605	153,660
11.0	15.0	160L FLP	2ML2 167-0605	144,900	11.0	15.0	160L FLP	2ML3 167-0605	162,850
<b>8 Pole, 750 rpm, IE2</b>					<b>8 Pole, 750 rpm, IE3</b>				
1.1	1.5	100L FLP	2ML2 107-0805	35,390	1.1	1.5	100L FLP	2ML3 107-0805	39,780
1.5	2.0	112M FLP	2ML2 123-0805	49,390	1.5	2.0	112M FLP	2ML3 123-0805	55,510
2.2	3.0	132M FLP	2ML2 130-0805	65,220	2.2	3.0	132M FLP	2ML3 130-0805	73,300
3.7	5.0	132M FLP	2ML2 133-0805 *	98,610	3.7	5.0	132M FLP	2ML3 133-0805	113,410
		160L FLP	2ML2 163-0805	105,500			160L FLP	2ML3 163-0805	118,570
5.5	7.5	160L FLP	2ML2 164-0805	121,130	5.5	7.5	160L FLP	2ML3 164-0805	136,130
7.5	10.0	160L FLP	2ML2 166-0805	147,720	7.5	10.0	160L FLP	2ML3 166-0805	166,020
9.3	12.5	180L FLP	2ML2 183-0805	187,770	9.3	12.5	180L FLP	2ML3 183-0805	211,020
11.0	15.0	180L FLP	2ML2 186-0805	197,750	11.0	15.0	180L FLP	2ML3 186-0805	222,270
15.0	20.0	200L FLP	2ML2 206-0805	267,300	15.0	20.0	200L FLP	2ML3 206-0805	300,430

\* 45°C Ambient, Insulation class F utilised upto class F limit.

ANNEXURE 1: GUIDELINES FOR PRICE CALCULATION OF NON STANDARD MOTORS					
Sr. No.	Special Features & Scope			Frame Size	Price
<b>1.0</b>	<b>Non-standard winding</b>				
1.1	Non standard voltage/ frequency other than 415V, 50Hz	380V, 50Hz		All	Nil
		Voltage change other than 380V, 415V & 220V			5%
		Freq. change other than 50Hz			5%
		Combined change other than those specified above			7.5%
1.2	Insulation class 'H'			All	10%
1.3	Two speed motors with single winding not specified in the price list			All	On request
	Two speed motors with separate winding			100 & above	20% of higher price for among poarity
1.4	Crane duty motor			All	5%
1.5	Ambient Temp. -30 to +65°C			All	List price as per selected frame
<b>2.0</b>	<b>Winding Protection</b>				
2.1	Vacuum Pressure Impregnation for winding			63-225	5%
				250-355	Nil
2.2	Epoxy gelcoat on winding			All	5%
2.3	Anti Condensation Heater (Space Heater)			80-112	₹ 2,220
				132-180	₹ 2,950
				200-355	₹ 5,890
2.4	Thermistors	Standard Motors	Set of 3 Nos.	All	₹ 2,220
			Set of 6 Nos.		₹ 4,420
		Flameproof motors	Set of 3 Nos.	160FLP & above	₹ 4,750
			Set of 6 Nos.		₹ 5,660
2.5	RTD (For Standard motors only)	3 wire simplex	Set of 3 Nos.	All	₹ 6,640
			Set of 6 Nos.		₹ 11,400
		6 wire duplex	Set of 3 Nos.		₹ 11,400
			Set of 6 Nos.		₹ 17,670
2.6	BTD (2 Nos.) (RTD) duplex type with wires terminated in auxilliary terminal box.			250-355	₹ 10,000
2.7	Thermostat	1 No.		All	₹ 630
<b>3.0</b>	<b>Non-standard Construction</b>				
3.1	Non std shaft	Shaft length = 2E max.			5%
		Double shaft extension			7.5%
		Shaft length more than 2E			On request
		Shaft material EN 24			10%
		Taper single shaft extension taper 1:10			5%
		Taper double shaft extension taper 1:10			10%
		Stainless steel shaft			On request
3.2	Mounting	B5* / B14 / V1 / V3* / V18 / V19 * Not recommended for frame 355		Upto 160	3%
				180 & above	5%
		B35 / B34		All	3%
3.3	Special fixing dimensions other than IS:1231/2223			All	20%
3.4	Noise level as per IS:12065			All	No Extra
	Upto 85 dB(A) @ 1m at no load for 4 pole & above motors				5%
	Upto 90 dB(A) @ 1m at no load for 2 pole motors				
3.5	Special low vibration motors for machine tools conforming to vibration grade B as per Table 1 of IEC:60034-14			All	10%
3.6	Jacking out holes on motor feet			280 & above	5%
3.7	Stainless steel hardware			100 & above	7.5% upto max ₹ 5,000
3.8	Roller table motors in CI body having circular fins			112-200	20% extra over IE2
3.9	Flameproof Ex'd' motors with ATEX/IECEc approval			All	10%

Sr. No.	Special Features & Scope	Frame Size	Price				
<b>4.0</b>	<b>Further Mountings</b>						
4.1	Motor suitable for brake mounting arrangement (Customer to provide brake details. Brake mounting is not in HM scope)	All	15%				
4.2	Brake motor kit (Brake protection IP54)  (Refer Technical catalogue for brake selection)	Brake size      Torque (Nm)					
		06                      4	63, 71                      ₹ 5,150				
		08                      8	71, 80                      ₹ 5,630				
		10                      16	80, 90                      ₹ 8,250				
		12                      32	90, 100                      ₹ 9,410				
		14                      60	100, 112                      ₹ 11,770				
		16                      80	112, 132                      ₹ 16,160				
		18                      150	132, 160                      ₹ 21,370				
		20                      260	160, 180                      ₹ 27,180				
		25                      400	180, 200                      ₹ 38,190				
31                      600, 800	225, 250                      ₹ 74,900						
4.3	Non-standard Brake coil voltage	All	5% on Brake price				
4.4	Encoder mounting arrangement for inverter duty motors suitable for hollow Shaft encoders	100-132	₹ 3,690				
		160-250	₹ 4,420				
		280-355	₹ 5,680				
4.5	Force cooling arrangement (inclusive of force cooling fan) for inverter duty motors (3 ph, 415V, 50Hz fan motor)	90-132	₹ 5,890				
		160-180	₹ 7,080				
		200-225	₹ 16,980				
		250	₹ 25,870				
		280	₹ 32,050				
		315	₹ 35,540				
		355	₹ 43,170				
4.6	Force cooling arrangement for Flameproof motors (3 ph, 415V, 50Hz fan motor)	250	₹ 35,260				
		280	₹ 39,100				
		315	₹ 47,500				
<b>5.0</b>	<b>Fan &amp; Fan Cover</b>						
5.1	Cast iron fan in place of plastic fan	63-315	10%				
5.2	Clean flow fan cover	All	7.5%				
<b>6.0</b>	<b>Bearings</b>						
	Frame size	Roller Bearing (at DE)		Hybrid Bearing (at NDE)		Insulated Bearing (at NDE)	
		Size	Price	Size	Price	Size	Price
	132 / 132FLP	NU 208	₹ 1,400	6208	₹ 9,920	-	
	132FLP	NU 308	₹ 1,600	-			
	160 / 160FLP	NU 309	₹ 2,170	6209	₹ 10,400		
	180 / 180FLP	NU 310	₹ 2,220	6210	₹ 11,070	6310	₹ 23,470
	200 / 200FLP	NU 312	₹ 3,580	-		6312	₹ 25,640
	225 / 225FLP	NU 313	₹ 3,830			6313	₹ 27,150
	250 / 250FLP	NU 315	₹ 3,980			6315	₹ 30,240
	280 / 280FLP	NU 317	₹ 5,860			6317	₹ 31,670
	315 / 315FLP	NU 319	₹ 5,990			6319	₹ 34,770
	355	NU 322	₹ 6,630	6322	₹ 44,700		
<b>7.0</b>	<b>Terminal Box</b>						
7.1	One size larger terminal box	100-315	3%				
7.2	Flying Leads up to 1m & 6 leads	All	5%				
7.3	Cast iron terminal box	63-250	5%				
7.4	Cable gland (per run of cable) Standard / Flameproof * * Flameproof cable glands of double compression type	63-90	₹ 600 / ₹ 1,420				
		100-132	₹ 830 / ₹ 2,370				
		160-180	₹ 1,190 / ₹ 2,960				
		200-250	₹ 2,370 / ₹ 7,100				
		280-315	₹ 3,550 / ₹ 10,650				
		355	₹ 4,730 / -				

Sr. No.	Special Features & Scope	Frame Size	Price
<b>8.0</b>	<b>Painting</b>		
8.1	Non-standard paint shade	All	5%
	Standard motors other than RAL shade 6011 Flameproof motors other than RAL shade 7046		
8.2	Anti corrosive epoxy paint	All	3%
8.3	Motor delivered with red oxide primer	All	No reduction
8.4	Additional paint thickness upto 130μ	All	5%
8.5	C3-M/C4-M/C5-M painting for any paint shade (Applicable for minimum order value of ₹ 50 Lacs)	All	20%
<b>9.0</b>	<b>Motor Protection</b>		
9.1	IP56 / IP65 Protection	All	5%
<b>10.0</b>	<b>Testing</b>		
10.1	IP test	All	On request
10.2	Witness testing of routine test per motor	63-90	₹ 1,410
		100-132	₹ 2,810
		160-250	₹ 4,210
		280-355	₹ 5,610
		Additional No-load running over routine testing	All
10.3	Witness testing of type test per motor	63-90	₹ 4,210
		100-132	₹ 7,010
		160-250	₹ 9,800
		280-315	₹ 15,400
		355	₹ 19,590
	Dimension check	All	25% of type test of frame involved
10.4	Witness testing of pressure test on FLP component's set per motor	63-132	₹ 3,000
		160-315	₹ 8,500
10.5	2nd numeral IP55 test per motor	63-132	₹ 3,000
		160-250	₹ 4,000
		280-355	₹ 5,000
10.6	Testing with inverter drive (Customer to arrange for drive)	All	₹ 110,000
	With third party laboratory witness		
	Without third party laboratory witness		
<b>11.0</b>	<b>Miscellaneous</b>		
11.1	Motor delivered in unpacked condition	All	No reduction
11.2	Sea worthy packing	All	5%
11.3	Additional nameplates	All	₹ 400
11.4	Direction arrow plate	All	₹ 400

**Note:**

1. All % (percentage) figures are to be loaded on the list price.
2. All ₹ (rupee) figures are to be added on nett price.
3. For any other special features, please refer to head office.