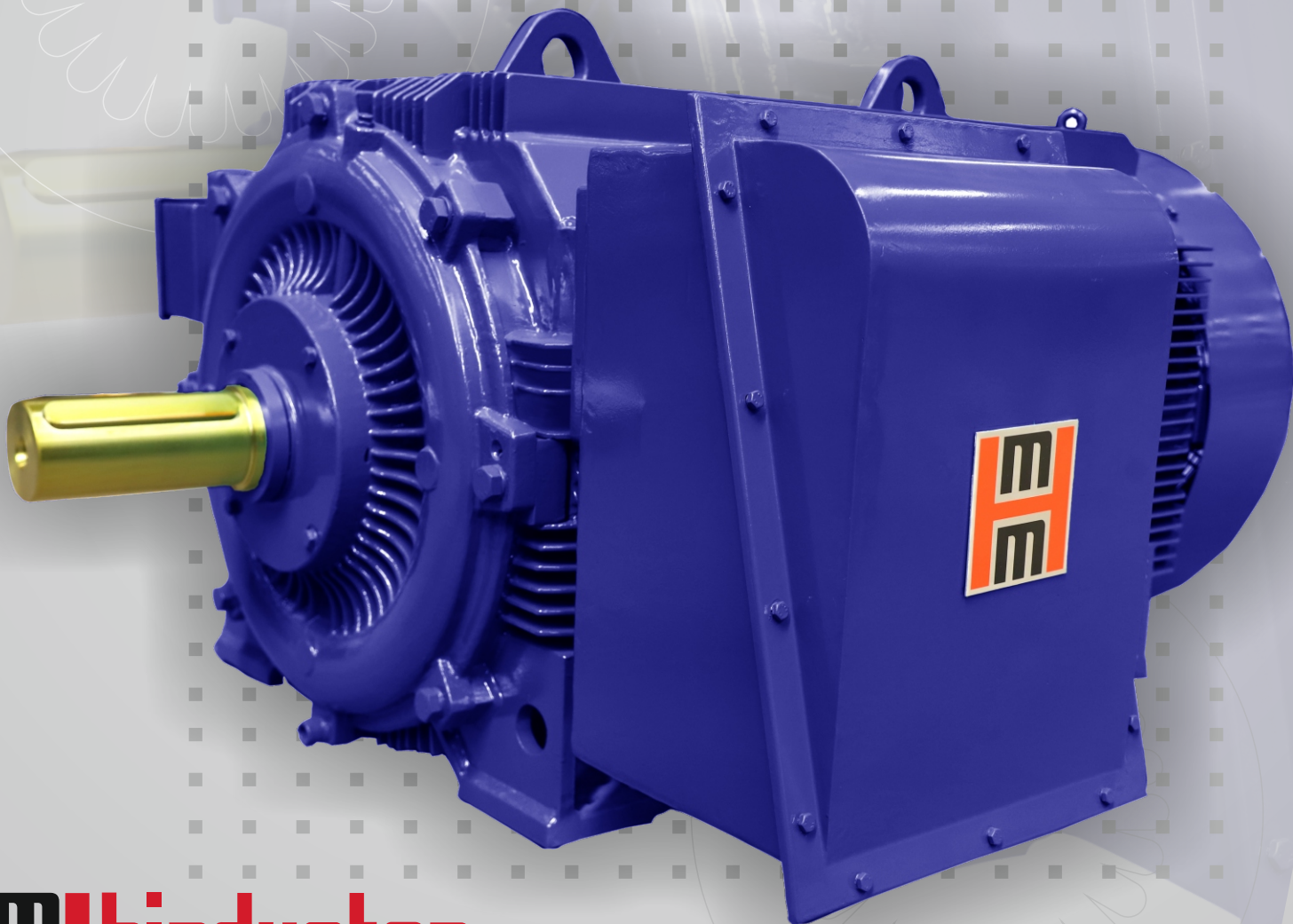


Price list no. 42-1/2022

Effective from 6th April, 2022



TERMS & CONDITIONS

1. This price list supersedes all the previous price lists.
2. The prices quoted are Ex-factory.
3. The prices & frame sizes are subject to change without prior notice.
4. GST will be charged extra as applicable at the time of delivery.
5. All orders are booked subject to price & discount ruling at the time of delivery.
6. Aluminium body motors are available in frame sizes 63 to 132.
7. Higher than 12 pole motors are available for cooling tower motors on request.



32/A, Vidyavilla Comp., Old Nagardas Road,
Andheri (East), Mumbai 400 069. Tel: 022-42500500
Email: sales@hindmotors.com

HL

42-1

HINDUSTAN 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) as per IS/IEC:60034-1.

KW	HP	Frame	Type Designation	List Price ₹	KW	HP	Frame	Type Designation	List Price ₹
4 Pole, 1500 rpm, IE2					4 Pole, 1500 rpm, IE3				
0.37	0.50	71	2KL2 073-0405	8,880	0.37	0.50	71	2KL3 073-0405	10,070
0.55	0.75	80	2KL2 080-0405	11,580	0.55	0.75	80	2KL3 080-0405	13,130
0.75	1.0	80	2KL2 083-0405	11,770	0.75	1.0	80	2KL3 083-0405	13,660
1.1	1.5	90S	2KL2 090-0405	14,510	1.1	1.5	90S	2KL3 090-0405	15,930
1.5	2.0	90L	2KL2 096-0405	16,880	1.5	2.0	90L	2KL3 096-0405	18,530
6 Pole, 1000 rpm, IE2					6 Pole, 1000 rpm, IE3				
0.75	1.0	90S	2KL2 090-0605	14,920	0.75	1.0	90S	2KL3 090-0605	16,880
1.1	1.5	90L	2KL2 096-0605	16,980	1.1	1.5	90L	2KL3 096-0605	19,160
1.5	2.0	100L	2KL2 106-0605	21,620	1.5	2.0	100L	2KL3 106-0605	24,880
2.2	3.0	112M	2KL2 123-0605	25,110	2.2	3.0	112M	2KL3 123-0605	28,400
3.7	5.0	132S	2KL2 130-0605	39,110	3.7	5.0	132S	2KL3 130-0605	44,180
5.5	7.5	132M	2KL2 133-0605	47,260	5.5	7.5	132M	2KL3 133-0605	54,360
7.5	10.0	160M	2KL2 164-0605	68,190	7.5	10.0	160M	2KL3 164-0605	78,410
9.3	12.5	160L	2KL2 166-0605	81,400	9.3	12.5	160L	2KL3 166-0605	91,940
11.0	15.0	160L	2KL2 167-0605	85,910	11.0	15.0	160L	2KL3 167-0605	98,810
8 Pole, 750 rpm, IE2					8 Pole, 750 rpm, IE3				
1.1	1.5	100L	2KL2 107-0805	24,190	1.1	1.5	100L	2KL3 107-0805	27,830
1.5	2.0	112M	2KL2 123-0805	27,400	1.5	2.0	112M	2KL3 123-0805	31,510
2.2	3.0	132S	2KL2 130-0805	37,010	2.2	3.0	132S	2KL3 130-0805	42,570
3.7	5.0	132M	2KL2 133-0805 *	56,260	3.7	5.0	160M	2KL3 163-0805	73,390
		160M	2KL2 163-0805	63,810	5.5	7.5	160M	2KL3 164-0805	80,350
5.5	7.5	160M	2KL2 164-0805	71,140	7.5	10.0	160L	2KL3 166-0805	1,00,390
7.5	10.0	160L	2KL2 166-0805	87,310	9.3	12.5	180M	2KL3 183-0805	1,27,480
9.3	12.5	180M	2KL2 183-0805	1,10,850	11.0	15.0	180L	2KL3 186-0805	1,34,450
11.0	15.0	180L	2KL2 186-0805	1,16,900	15.0	20.0	200L	2KL3 206-0805	2,00,700
15.0	20.0	200L	2KL2 206-0805	1,74,520					
10 Pole, 600 rpm					12 Pole, 500 rpm				
1.5	2.0	132S	2HL1 130-1005	30,860	1.1	1.5	132S	2HL1 130-1205	30,860
2.2	3.0	132M	2HL1 133-1005	50,030	1.5	2.0	132M	2HL1 133-1205	46,160
3.7	5.0	160M	2HL1 164-1005	59,730	2.2	3.0	160M	2HL1 164-1205	54,290
5.5	7.5	180M	2HL1 183-1005	89,640	3.7	5.0	160L	2HL1 166-1205	66,580
7.5	10.0	180L	2HL1 186-1005	1,01,160	5.5	7.5	180M	2HL1 183-1205	85,850
9.3	12.5	180L	2HL1 187-1005	1,07,930	7.5	10.0	180L	2HL1 186-1205	1,00,130
11.0	15.0	180L	2HL1 188-1005	1,20,700	9.3	12.5	180L	2HL1 187-1205	1,14,420
15.0	20.0	200L	2HL1 206-1005	1,67,170	11.0	15.0	200L	2HL1 206-1205	1,60,530
18.5	25.0	225MX	2HL1 223-1005	2,23,320	15.0	20.0	225MX	2HL1 223-1205	2,11,780
* 45°C Ambient, Insulation class F utilised upto class F limit.					18.5	25.0	250MX	2HL1 253-1205	2,74,590
					22.0	30.0	280SX	2HL1 280-1205	3,38,800
					30.0	40.0	280MX	2HL1 283-1205	3,71,930
					37.0	50.0	315SX	2HL1 310-1205	5,61,430
					45.0	60.0	315MX	2HL1 314-1205	5,86,710

ANNEXURE 1: GUIDELINES FOR PRICE CALCULATION OF NON STANDARD MOTORS

Sr. No.	Special Features & Scope	Frame Size	Price
1.0	Non-standard winding		
1.1	Non standard voltage/frequency other than 415V, 50Hz	All	380V, 50Hz
			Voltage change other than 380V, 415V & 220V
			Freq. change other than 50Hz
			Combined change other than those specified above
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
2.0	Winding Protection		
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.
			Set of 6 Nos.
		Flameproof motors	Set of 3 Nos.
			Set of 6 Nos.
		All	₹ 2,220
		160FLP & above	₹ 4,420
			₹ 4,750
			₹ 5,660
2.5	RTD (For Standard motors only)	3 wire simplex	Set of 3 Nos.
			Set of 6 Nos.
		6 wire duplex	Set of 3 Nos.
			Set of 6 Nos.
		All	₹ 6,640
			₹ 11,400
			₹ 11,400
			₹ 17,670
2.6	BTD (2 Nos.) duplex type with wires terminated in auxilliary terminal box	200-225	₹ 8,800
		250-355	₹ 10,000
2.7	Thermostat	1 No.	All
			₹ 630
3.0	Non-standard Construction		
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	Upto 132
		* Not recommended for frame 355	160 & above
		B35 / B34	All
			3%
			5%
			5%
3.3	Special fixing dimensions other than IS:1231/2223	All	20%
3.4	Noise level as per IS:12065		No Extra
	Upto 85 dB(A) @ 1m at no load for 4 pole & above motors	All	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

Sr. No.	Special Features & Scope			Frame Size	Price		
4.0	Further Mountings						
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	Encoder mounting arrangement for inverter duty motors suitable for hollow shaft encoders			100-132	₹ 3,690		
				160-250	₹ 4,420		
				280-355	₹ 5,680		
4.4	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						
5.0	Fan & Fan Cover						
5.1	Cast iron fan in place of plastic fan			All	10%		
5.2	Clean flow fan cover			All	7.5%		
6.0	Bearings						
6.1	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			
6.2	Bearing Temperature Detector (BTD) ROD type (Duplex) terminated in auxilliary TB, 2 Nos.			280-355	₹ 9,350		
7.0	Terminal Box						
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
8.0	Painting		
8.1	Non-standard paint shade	Standard motors other than RAL shade 6011 Flameproof motors other than RAL shade 7046	All 5%
8.2	Anti corrosive epoxy paint	All	3%
8.3	External epoxy paint + gelcoat on winding	All	10%
8.4	Motor delivered with red oxide primer	All	No reduction
8.5	Additional paint thickness upto 130μ	All	5%
8.6	C3-M/C4-M/C5-M painting for any paint shade (Applicable for minimum order value of ₹ 50 Lacs)	All	20%
9.0	Motor Protection		
9.1	IP56 / IP65 Protection	All	5%
10.0	Testing		
10.1	IP test	All	On request
10.2	Witness testing of routine test per motor	63-90 100-132 160-250 280-355	₹ 1,410 ₹ 2,810 ₹ 4,210 ₹ 5,610
	Additional No-load running over routine testing	All	₹ 1,500
10.3	Witness testing of type test per motor	63-90 100-132 160-250 280-315 355	₹ 4,210 ₹ 7,010 ₹ 9,800 ₹ 15,400 ₹ 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	63-132 160-315	₹ 3,000 ₹ 8,500
10.5	2nd numeral IP55 test per motor	63-132 160-250 280-355	₹ 3,000 ₹ 4,000 ₹ 5,000
10.6	Testing with inverter drive (Customer to arrange for drive)		
	With third party laboratory witness	All	₹ 1,10,000
	Without third party laboratory witness		₹ 50,000
11.0	Miscellaneous		
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.