



**LV Motor Price List 15.04.2022**

**IE2 & IE3 Motots**



**BCH  
ELECTRIC  
LIMITED**





BCH IE2 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 IS:12615 / IEC:60034-1.

2 Pole (3000 RPM)					4 Pole (1500 RPM)				
KW	HP	Frame	Cat Code	Unit LP (₹)	KW	HP	Frame	Cat Code	Unit LP (₹)
0.18	0.25	63	EC2-260-0202M	14500	0.12	0.16	63	EC2-260-0402M	14660
0.25	0.33	63	EC2-263-0202M	15970	0.18	0.25	63	EC2-263-0402M	14650
0.37	0.5	71	EC2-270-0202M	16330	0.25	0.33	71	EC2-270-0402M	15050
0.55	0.75	71	EC2-273-0202M	19950	0.37	0.5	71	EC2-273-0402M	17540
0.75	1.00	80	EC2-280-0202M	20700	0.55	0.75	80	EC2-280-0402M	21010
1.10	1.50	80	EC2-283-0202M	22390	0.75	1.00	80	EC2-283-0402M	21790
1.50	2.00	90S	EC2-290-0202M	25970	1.10	1.50	90S	EC2-290-0402M	26220
2.20	3.00	90L	EC2-296-0202M	34110	1.50	2.00	90L	EC2-296-0402M	30750
3.70	5.0	100L	EC2-306-0202M	39920	2.20	3.00	100L	EC2-306-0402M	37070
5.5	7.5	112M	EC2-313-0202N*	63280	3.70	5.0	112M	EC2-313-0402M	48100
5.5	7.5	132S	EC2-313-0202M	68660	5.5	7.5	132S	EC2-330-0402M	64300
7.5	10.0	132S	EC2-330-0202M	74900	7.5	10.0	132M	EC2-333-0402M	76450
9.3	12.5	160M	EC2-362-0202M	117300	9.3	12.5	132M	EC2-334-0402M	94130
11.0	15.0	160M	EC2-363-0202M	133180	9.3	12.5	160M	EC2-363-0402M	118030
15.0	20.0	160M	EC2-364-0202M	149640	11.0	15.0	160M	EC2-364-0402M	123550
18.5	25.0	160L	EC2-366-0202M	185700	15.0	20.0	160L	EC2-366-0402M	154930
22.0	30.0	180M	EC2-383-0202M	203210	18.5	25.0	180M	EC2-383-0402M	193030
30.0	40.0	200L	EC2-406-0202M	296270	22.0	30.0	180L	EC2-386-0402M	212750
37.0	50.0	200L	EC2-407-0202M	351740	30.0	40.0	200L	EC2-406-0402M	294350
45.0	60.0	225M	EC2-423-0202M	447150	37.0	50.0	225S	EC2-420-0402M	353070
55.0	75.0	250M	EC2-453-0202M	613570	45.0	60.0	225M	EC2-423-0402M	413110
75.0	100.0	280S	EC2-480-0202M	756750	55.0	75.0	250M	EC2-453-0402M	582130
90.0	120.0	280M	EC2-483-0202M	878990	75.0	100.0	280S	EC2-480-0402M	692880
110.0	150.0	315S	EC2-510-0202M	1151410	90.0	120.0	280M	EC2-483-0402M	811240
125.0	170.0	315M	EC2-513-0202M	1369340	110.0	150.0	315S	EC2-510-0402M	952720
132.0	180.0	315M	EC2-514-0202M	1411810	125.0	170.0	315M	EC2-513-0402M	1087730
160.0	215.0	315L	EC2-516-0202M	1549240	132.0	180.0	315M	EC2-514-0402M	1114440
180.0	240.0	315L	EC2-518-0202M	1635570	160.0	215.0	315L	EC2-516-0402M	1372230
200.0	270.0	315L	EC2-517-0202M	1790720	180.0	240.0	315L	EC2-518-0402M	1490690
225.0	300.0	355S	EC2-550-0202M	2033390	200.0	270.0	315L	EC2-517-0402M	1576940
250.0	335.0	355M	EC2-553-0202M	2057920	225.0	300.0	355S	EC2-550-0402M	1910550
275.0	370.0	355L	EC2-556-0202M	2161860	250.0	335.0	355M	EC2-553-0402M	2032060
315.0	425.0	355L	EC2-557-0202M	2210800	275.0	370.0	355L	EC2-556-0402M	2212500
<i>N* = Use code EC2-313-0202NA0477 for 5.5KW 2P 112M B3</i>					315.0	425.0	355L	EC2-557-0402M	2365500



BCH IE2 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 IS:12615 / IEC:60034-1.

6 Pole (1000 RPM)					8 Pole (750 RPM)				
KW	HP	Frame	Cat Code	Unit LP (₹)	KW	HP	Frame	Cat Code	Unit LP (₹)
0.18	0.25	71	EC2-273-0602M	19570	0.12	0.16	71	EC2-273-0802M	21740
0.25	0.33	71	EC2-274-0602M	21160	0.18	0.25	80	EC2-280-0802M	25690
0.37	0.5	80	EC2-280-0602M	23130	0.25	0.33	80	EC2-283-0802M	23940
0.55	0.75	80	EC2-283-0602M	23550	0.37	0.5	90S	EC2-290-0802M	25170
0.75	1.00	90S	EC2-290-0602M	26860	0.55	0.75	90L	EC2-296-0802M	30180
1.1	1.50	90L	EC2-296-0602M	29590	0.75	1.00	100L	EC2-306-0802M	38510
1.5	2.00	100L	EC2-306-0602M	39760	1.10	1.50	100L	EC2-307-0802M	44820
2.2	3.00	112M	EC2-313-0602M	43930	1.50	2.00	112M	EC2-313-0802M	50770
3.7	5.0	132S	EC2-330-0602M	70600	2.20	3.00	132S	EC2-330-0802M	68600
5.5	7.5	132M	EC2-333-0602M	83190	3.70	5.0	160M	EC2-363-0802M	119290
7.5	10.0	160M	EC2-363-0602M	124920	5.5	7.5	160M	EC2-364-0802M	131800
9.3	12.5	160L	EC2-366-0602M	142270	7.5	10.0	160L	EC2-366-0802M	161780
11.0	15.0	160L	EC2-367-0602M	153650	9.3	12.5	180M	EC2-383-0802M	205440
15.0	20.0	180L	EC2-386-0602M	201150	11.0	15.0	180L	EC2-386-0802M	216640
18.5	25.0	200L	EC2-406-0602M	275500	15.0	20.0	200L	EC2-406-0802M	332090
22.0	30.0	200L	EC2-407-0602M	289520	18.5	25.0	225S	EC2-420-0802M	417990
30.0	40.0	225M	EC2-423-0602M	417340	22.0	30.0	225M	EC2-423-0802M	464370
37.0	50.0	250M	EC2-453-0602M	560620	30.0	40.0	250M	EC2-453-0802M	630030
45.0	60.0	280S	EC2-480-0602M	685780	37.0	50.0	280S	EC2-480-0802M	796600
55.0	75.0	280M	EC2-483-0602M	788480	45.0	60.0	280M	EC2-483-0802M	901400
75.0	100.0	315S	EC2-510-0602M	935640	55.0	75.0	315S	EC2-510-0802M	1092300
90.0	120.0	315M	EC2-513-0602M	1170040	75.0	100.0	315M	EC2-513-0802M	1356290
110.0	150.0	315M	EC2-514-0602M	1296750	90.0	120.0	315L	EC2-516-0802M	1529750
125.0	170.0	315L	EC2-516-0602M	1455540	110.0	150.0	315L	EC2-517-0802M	1693030
132.0	180.0	315L	EC2-517-0602M	1531930	132.0	180.0	355S	EC2-550-0802M	1876270
160.0	215.0	355S	EC2-550-0602M	1645780	150.0	200.0	355M	EC2-554-0802M	1969220
180.0	240.0	355M	EC2-554-0602M	1882040	160.0	215.0	355M	EC2-553-0802M	2149510
200.0	270.0	355M	EC2-553-0602M	2047760	200.0	270.0	355L	EC2-556-0802M	2383650
225.0	300.0	355L	EC2-556-0602M	2088850	225.0	300.0	355L	EC2-557-0802M	2745480
250.0	335.0	355L	EC2-557-0602M	2241080					



BCH 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 IS:12615 / IEC:60034-1.

2 Pole (3000 RPM)					4 Pole (1500 RPM)				
KW	HP	Frame	Cat Code	Unit LP (₹)	KW	HP	Frame	Cat Code	Unit LP (₹)
0.18	0.25	63	EC3-260-0202M	15940	0.12	0.16	63	EC3-260-0402M	16000
0.25	0.33	63	EC3-263-0202M	17530	0.18	0.25	63	EC3-263-0402M	17400
0.37	0.5	71	EC3-270-0202M	17900	0.25	0.33	71	EC3-270-0402M	18830
0.55	0.75	71	EC3-273-0202M	22080	0.37	0.5	71	EC3-273-0402M	18850
0.75	1.00	80	EC3-280-0202M	22830	0.55	0.75	80	EC3-280-0402M	23860
1.1	1.50	80	EC3-283-0202M	25460	0.75	1.0	80	EC3-283-0402M	24150
1.5	2.0	90S	EC3-290-0202M	28300	1.10	1.5	90S	EC3-290-0402M	28460
2.2	3.0	90L	EC3-296-0202M	37170	1.50	2.0	90L	EC3-296-0402M	33890
3.7	5.0	100L	EC3-306-0202M	50400	2.20	3.0	100L	EC3-306-0402M	40690
5.5	7.5	132S	EC3-313-0202M	73650	3.70	5.0	112M	EC3-313-0402M	51810
7.5	10.0	132S	EC3-330-0202M	77260	5.5	7.5	132S	EC3-330-0402M	71530
9.3	12.5	160M	EC3-362-0202M	126620	7.5	10.0	132M	EC3-333-0402M	83760
11.0	15.0	160M	EC3-363-0202M	138780	9.3	12.5	160M	EC3-363-0402M	132830
15.0	20.0	160M	EC3-364-0202M	159930	11.0	15.0	160M	EC3-364-0402M	139320
18.5	25.0	160L	EC3-366-0202M	199830	15.0	20.0	160L	EC3-366-0402M	168160
22.0	30.0	180M	EC3-383-0202M	220480	18.5	25.0	180M	EC3-383-0402M	215600
30.0	40.0	200L	EC3-406-0202M	327500	22.0	30.0	180L	EC3-386-0402M	233110
37.0	50.0	200L	EC3-407-0202M	398140	30.0	40.0	200L	EC3-406-0402M	320890
45.0	60.0	225M	EC3-423-0202M	511640	37.0	50.0	225S	EC3-420-0402M	384800
55.0	75.0	250M	EC3-453-0202M	676450	45.0	60.0	225M	EC3-423-0402M	461750
75.0	100.0	280S	EC3-480-0202M	852260	55.0	75.0	250M	EC3-453-0402M	618890
90.0	120.0	280M	EC3-483-0202M	991090	75.0	100.0	280S	EC3-480-0402M	769630
110.0	150.0	315S	EC3-510-0202M	1262690	90.0	120.0	280M	EC3-483-0402M	909620
125.0	170.0	315M	EC3-513-0202M	1453350	110.0	150.0	315S	EC3-510-0402M	1073010
132.0	180.0	315M	EC3-514-0202M	1546690	125.0	170.0	315M	EC3-513-0402M	1241620
160.0	215.0	315L	EC3-516-0202M	1696480	132.0	180.0	315M	EC3-514-0402M	1285370
180.0	240.0	315L	EC3-518-0202M	1772240	160.0	215.0	315L	EC3-516-0402M	1504810
200.0	270.0	315L	EC3-517-0202M	1908760	180.0	240.0	315L	EC3-518-0402M	1788300
225.0	300.0	355S	EC3-550-0202M	2079850	200.0	270.0	315L	EC3-517-0402M	1887280
250.0	335.0	355M	EC3-553-0202M	2213840	225.0	300.0	355S	EC3-550-0402M	2266530
275.0	370.0	355L	EC3-556-0202M	2331850	250.0	335.0	355M	EC3-553-0402M	2266540
315.0	425.0	355L	EC3-557-0202M	2388580	275.0	370.0	355L	EC3-556-0402M	2485150
					315.0	425.0	355L	EC3-557-0402M	2612070



BCH 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 IS:12615 / IEC:60034-1.

6 Pole (1000 RPM)					8 Pole (750 RPM)				
KW	HP	Frame	Cat Code	Unit LP (₹)	KW	HP	Frame	Cat Code	Unit LP (₹)
0.18	0.25	71	EC3-273-0602M	24560	0.12	0.16	71	EC3-270-0802M	25930
0.25	0.33	71	EC3-274-0602M	25150	0.18	0.25	80	EC3-280-0802M	26720
0.37	0.5	80	EC3-280-0602M	26110	0.25	0.33	80	EC3-283-0802M	28600
0.55	0.75	80	EC3-283-0602M	26910	0.37	0.5	90S	EC3-290-0802M	30570
0.75	1.0	90S	EC3-290-0602M	30760	0.55	0.75	90L	EC3-296-0802M	34690
1.1	1.5	90L	EC3-296-0602M	33950	0.75	1.00	100L	EC3-306-0802M	44310
1.5	2.0	100L	EC3-306-0602M	47830	1.1	1.50	100L	EC3-307-0802M	51540
2.2	3.0	112M	EC3-313-0602M	52620	1.5	2.00	112M	EC3-313-0802M	58380
3.7	5.0	132S	EC3-330-0602M	78870	2.2	3.00	132S	EC3-330-0802M	78900
5.5	7.5	132M	EC3-333-0602M	95930	3.7	5.0	160M	EC3-363-0802M	136000
7.5	10.0	160M	EC3-363-0602M	142600	5.5	7.5	160M	EC3-364-0802M	151620
9.3	12.5	160L	EC3-366-0602M	158660	7.5	10.0	160L	EC3-366-0802M	186040
11.0	15.0	160L	EC3-367-0602M	172900	9.3	12.5	180M	EC3-383-0802M	236240
15.0	20.0	180L	EC3-386-0602M	225270	11.0	15.0	180L	EC3-386-0802M	249170
18.5	25.0	200L	EC3-406-0602M	302390	15.0	20.0	200L	EC3-406-0802M	381940
22.0	30.0	200L	EC3-407-0602M	311950	18.5	25.0	225S	EC3-420-0802M	480700
30.0	40.0	225M	EC3-423-0602M	474570	22.0	30.0	225M	EC3-423-0802M	534060
37.0	50.0	250M	EC3-453-0602M	636560	30.0	40.0	250M	EC3-453-0802M	724530
45.0	60.0	280S	EC3-480-0602M	768620	37.0	50.0	280S	EC3-480-0802M	916080
55.0	75.0	280M	EC3-483-0602M	886880	45.0	60.0	280M	EC3-483-0802M	1036640
75.0	100.0	315S	EC3-510-0602M	1039740	55.0	75.0	315S	EC3-510-0802M	1256160
90.0	120.0	315M	EC3-513-0602M	1314700	75.0	100.0	315M	EC3-513-0802M	1559770
110.0	150.0	315M	EC3-514-0602M	1456400	90.0	120.0	315L	EC3-516-0802M	1759220
125.0	170.0	315L	EC3-516-0602M	1635210	110.0	150.0	315L	EC3-517-0802M	1862380
132.0	180.0	315L	EC3-517-0602M	1756420	132.0	180.0	355S	EC3-550-0802M	2157690
160.0	215.0	355S	EC3-550-0602M	1808250	150.0	200.0	355M	EC3-554-0802M	2264640
180.0	240.0	355M	EC3-554-0602M	2290170	160.0	215.0	355M	EC3-553-0802M	2471980
200.0	270.0	355M	EC3-553-0602M	2348190	200.0	270.0	355L	EC3-556-0802M	2741230
225.0	300.0	355L	EC3-556-0602M	2613080	225.0	300.0	355L	EC3-557-0802M	3020040
250.0	335.0	355L	EC3-557-0602M	2526240					

**Terms & Conditions:**

1. This price list supercedes all the previous price lists.
2. The Prices are ex-works and excluding of GST which will be charged extra at actuals.
3. The prices are subjected to change without prior notice.
4. Due to continuous design improvement frame sizes are subject to change without prior notice.
5. For more details please contact nearest BCH sales office.

## PRICE CALCULATION GUIDELINE- NON STANDARD MOTORS

Sr. No.	Special Features & Scope	Frame Size	Price
<b>1 Non-standard winding</b>			
1.1	Non standard voltage/ frequency other than 415V, 50Hz	380V, 50Hz	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 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	₹ 2560
		132-180	₹ 3400
		200-355	₹ 6780
2.4	Thermistors	Standard Motors	Set of 3 Nos.
			Set of 6 Nos.
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.
2.6	Thermostat	1 No.	All
<b>3 Non-standard Construction</b>			
3.1	Non std shaft	Shaft length = 2E max.	7.5%
		Double shaft extension	7.5%
		Shaft length more than 2E	On request
		Shaft material EN 24	15%
		Taper single shaft extension taper 1:10	10%
		Taper double shaft extension taper 1:10	15%
		Stainless steel shaft	On request
3.2	Mounting	B5* / B14 / V1 / V3* / V18 / V19 * Not recommended for frame 355	Upto 132
			160 & above
			All
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 ₹ 5,500
3.8	Roller table motors in CI body having circular fins	112-200	20% extra over IE2
<b>4 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%

Sr. No.	Special Features & Scope	Frame Size	Price				
4.2	Brake motor kit (Brake protection IP54)  (Refer Technical catalogue for brake selection)	Brake size      Torque (Nm)					
		06                  4	63, 71                  ₹ 5930				
		08                  8	71, 80                  ₹ 6480				
		10                  16	80, 90                  ₹ 9490				
		12                  32	90, 100                  ₹ 10830				
		14                  60	100, 112                  ₹ 13540				
		16                  80	112, 132                  ₹ 18590				
		18                  150	132, 160                  ₹ 24580				
		20                  260	160, 180                  ₹ 31260				
		25                  400	180, 200                  ₹ 43920				
	31                  600, 800	225, 250                  ₹ 86140					
4.3	Encoder mounting arrangement for inverter duty motors suitable for hollow shaft encoders	100-132	₹ 4250				
		160-250	₹ 5090				
		280-355	₹ 6540				
4.4	Force cooling arrangement (inclusive of force cooling fan) for inverter duty motors (3 ph, 415V, 50Hz fan motor)	90-132	₹ 6780				
		160-180	₹ 8150				
		200-225	₹ 19530				
		250	₹ 29760				
		280	₹ 36860				
		315	₹ 40880				
	355	₹ 49650					
<b>5 Fan &amp; Fan Cover</b>							
5.1	Cast iron fan in place of plastic fan	All	10%				
5.2	Clean flow fan cover	All	7.5%				
<b>6 Bearings</b>							
6.1	Frame size	Roller Bearing (at DE)		Hybrid Bearing (at NDE)		Insulated Bearing (at NDE)	
		Size	Price	Size	Price	Size	Price
	132	NU 208	₹ 1610	6208	₹ 11410		
	160	NU 309	₹ 2500	6209	₹ 11960		
	180	NU 310	₹ 2560	6210	₹ 12740	6310	₹ 27000
	200	NU 312	₹ 4120			6312	₹ 29490
	225	NU 313	₹ 4410			6313	₹ 31230
	250	NU 315	₹ 4580			6315	₹ 34780
	280	NU 317	₹ 6740			6317	₹ 36430
	315	NU 319	₹ 6890			6319	₹ 39990
355	NU 322	₹ 7630	6322			₹ 51410	
6.2	BTD (2 Nos.) duplex type with wires terminated in auxilliary terminal box	200-225			₹ 10120		
		250-355			₹ 11500		
<b>7 Terminal Box</b>							
7.1	One size larger terminal box	100-315			5%		
7.2	Flying Leads up to 1m & 6 leads	All			10%		
7.3	Cast iron terminal box	63-250			5%		
7.4	Cable gland (per run of cable) Standard	63-90			₹ 690		
		100-132			₹ 960		
		160-180			₹ 1370		
		200-250			₹ 2730		
		280-315			₹ 4090		
		355			₹ 5440		
<b>8 Painting</b>							
8.1	Non-standard paint shade	Standard motors other than RAL shade 6011		All	5%		
		Flameproof motors other than RAL shade 7046					

Sr. No.	Special Features & Scope	Frame Size	Price
8.2	Anti corrosive epoxy paint	All	7.5%
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%
<b>9 Motor Protection</b>			
9.1	IP56 / IP65 Protection	All	10%
<b>10 Testing</b>			
10.1	IP test	All	On request
10.2	Witness testing of routine test per motor	63-90	₹ 1630
		100-132	₹ 3240
		160-250	₹ 4850
		280-355	₹ 6460
	Additional No-load running over routine testing	All	₹ 1730
10.3	Witness testing of type test per motor	63-90	₹ 4850
		100-132	₹ 8070
		160-250	₹ 11270
		280-315	₹ 17710
	355	₹ 22530	
Dimension check	All	25% of type test of frame involved	
10.4	2nd numeral IP55 test per motor	63-132	₹ 3450
		160-250	₹ 4600
		280-355	₹ 5750
10.5	Testing with inverter drive (Customer to arrange for drive)		
	With third party laboratory witness	All	₹ 126500
	Without third party laboratory witness		₹ 57500
<b>11 Miscellaneous</b>			
11.1	Motor delivered in unpacked condition	All	No reduction
11.2	Sea worthy packing	All	5%
11.3	Additional nameplates	All	₹ 460
11.4	Direction arrow plate	All	₹ 460
<b>Note:</b> 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.			