



BCH Motor Price List w.e.f. 05.07.2021

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	13050	0.12	0.16	63	EC2-260-0402M	13310
0.25	0.33	63	EC2-263-0202M	14370	0.18	0.25	63	EC2-263-0402M	13310
0.37	0.5	71	EC2-270-0202M	14700	0.25	0.33	71	EC2-270-0402M	13680
0.55	0.75	71	EC2-273-0202M	17890	0.37	0.5	71	EC2-273-0402M	15930
0.75	1.00	80	EC2-280-0202M	18480	0.55	0.75	80	EC2-280-0402M	19090
1.10	1.50	80	EC2-283-0202M	20160	0.75	1.00	80	EC2-283-0402M	19790
1.50	2.00	90S	EC2-290-0202M	23180	1.10	1.50	90S	EC2-290-0402M	23830
2.20	3.00	90L	EC2-296-0202M	30720	1.50	2.00	90L	EC2-296-0402M	27570
3.70	5.0	100L	EC2-306-0202M	36960	2.20	3.00	100L	EC2-306-0402M	33390
5.5	7.5	132S	EC2-313-0202M	61300	3.70	5.0	112M	EC2-313-0402M	43720
7.5	10.0	132S	EC2-330-0202M	65700	5.5	7.5	132S	EC2-330-0402M	58450
9.3	12.5	160M	EC2-362-0202M	106630	7.5	10.0	132M	EC2-333-0402M	67950
11.0	15.0	160M	EC2-363-0202M	118910	9.3	12.5	132M	EC2-334-0402M	87150
15.0	20.0	160M	EC2-364-0202M	136020	9.3	12.5	160M	EC2-363-0402M	106330
18.5	25.0	160L	EC2-366-0202M	168800	11.0	15.0	160M	EC2-364-0402M	113340
22.0	30.0	180M	EC2-383-0202M	184730	15.0	20.0	160L	EC2-366-0402M	135900
30.0	40.0	200L	EC2-406-0202M	275590	18.5	25.0	180M	EC2-383-0402M	176280
37.0	50.0	200L	EC2-407-0202M	334980	22.0	30.0	180L	EC2-386-0402M	195180
45.0	60.0	225M	EC2-423-0202M	425850	30.0	40.0	200L	EC2-406-0402M	273810
55.0	75.0	250M	EC2-453-0202M	570760	37.0	50.0	225S	EC2-420-0402M	320960
75.0	100.0	280S	EC2-480-0202M	727630	45.0	60.0	225M	EC2-423-0402M	384280
90.0	120.0	280M	EC2-483-0202M	845160	55.0	75.0	250M	EC2-453-0402M	529190
110.0	150.0	315S	EC2-510-0202M	1046720	75.0	100.0	280S	EC2-480-0402M	644530
125.0	170.0	315M	EC2-513-0202M	1244840	90.0	120.0	280M	EC2-483-0402M	754640
132.0	180.0	315M	EC2-514-0202M	1283450	110.0	150.0	315S	EC2-510-0402M	916060
160.0	215.0	315L	EC2-516-0202M	1395710	125.0	170.0	315M	EC2-513-0402M	1045880
180.0	240.0	315L	EC2-518-0202M	1453840	132.0	180.0	315M	EC2-514-0402M	1071550
200.0	270.0	315L	EC2-517-0202M	1627920	160.0	215.0	315L	EC2-516-0402M	1247470
225.0	300.0	355S	EC2-550-0202M	1815520	180.0	240.0	315L	EC2-518-0402M	1330970
250.0	335.0	355M	EC2-553-0202M	1870830	200.0	270.0	315L	EC2-517-0402M	1516270
275.0	370.0	355L	EC2-556-0202M	1930230	225.0	300.0	355S	EC2-550-0402M	1736850
315.0	425.0	355L	EC2-557-0202M	2009800	250.0	335.0	355M	EC2-553-0402M	1847310
					275.0	370.0	355L	EC2-556-0402M	2011350
					315.0	425.0	355L	EC2-557-0402M	2150440



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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	17010	0.12	0.16	71	EC2-273-0802M	18900
0.25	0.33	71	EC2-274-0602M	18400	0.18	0.25	80	EC2-280-0802M	22710
0.37	0.5	80	EC2-280-0602M	20450	0.25	0.33	80	EC2-283-0802M	20810
0.55	0.75	80	EC2-283-0602M	20830	0.37	0.5	90S	EC2-290-0802M	21510
0.75	1.00	90S	EC2-290-0602M	23750	0.55	0.75	90L	EC2-296-0802M	26690
1.10	1.50	90L	EC2-296-0602M	25730	0.75	1.00	100L	EC2-306-0802M	34060
1.50	2.00	100L	EC2-306-0602M	35800	1.10	1.50	100L	EC2-307-0802M	39660
2.20	3.00	112M	EC2-313-0602M	38870	1.50	2.00	112M	EC2-313-0802M	44920
3.70	5.0	132S	EC2-330-0602M	62470	2.20	3.00	132S	EC2-330-0802M	60690
5.5	7.5	132M	EC2-333-0602M	71710	3.70	5.0	132M	EC2-363-0802M	105550
7.5	10.0	160M	EC2-363-0602M	113560	5.5	7.5	160M	EC2-364-0802M	117670
9.3	12.5	160L	EC2-366-0602M	125900	7.5	10.0	160L	EC2-366-0802M	144430
11.0	15.0	160L	EC2-367-0602M	139680	9.3	12.5	180M	EC2-383-0802M	183420
15.0	20.0	180L	EC2-386-0602M	182850	11.0	15.0	180L	EC2-386-0802M	193420
18.5	25.0	200L	EC2-406-0602M	252750	15.0	20.0	200L	EC2-406-0802M	301900
22.0	30.0	200L	EC2-407-0602M	273130	18.5	25.0	225S	EC2-420-0802M	379980
30.0	40.0	225M	EC2-423-0602M	397460	22.0	30.0	225M	EC2-423-0802M	422140
37.0	50.0	250M	EC2-453-0602M	533900	30.0	40.0	250M	EC2-453-0802M	572740
45.0	60.0	280S	EC2-480-0602M	646960	37.0	50.0	280S	EC2-480-0802M	724160
55.0	75.0	280M	EC2-483-0602M	743840	45.0	60.0	280M	EC2-483-0802M	819440
75.0	100.0	315S	EC2-510-0602M	882670	55.0	75.0	315S	EC2-510-0802M	992990
90.0	120.0	315M	EC2-513-0602M	1103810	75.0	100.0	315M	EC2-513-0802M	1232980
110.0	150.0	315M	EC2-514-0602M	1223340	90.0	120.0	315L	EC2-516-0802M	1390660
125.0	170.0	315L	EC2-516-0602M	1373150	110.0	150.0	315L	EC2-517-0802M	1472200
132.0	180.0	315L	EC2-517-0602M	1445210	132.0	180.0	355S	EC2-550-0802M	1705680
160.0	215.0	355S	EC2-550-0602M	1552620	150.0	200.0	355M	EC2-554-0802M	1790200
180.0	240.0	355M	EC2-554-0602M	1636550	160.0	215.0	355M	EC2-553-0802M	1954100
200.0	270.0	355M	EC2-553-0602M	1780660	200.0	270.0	355L	EC2-556-0802M	2166950
225.0	300.0	355L	EC2-556-0602M	1816390	225.0	300.0	355L	EC2-557-0802M	2387370
250.0	335.0	355L	EC2-557-0602M	1948760					



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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	15020	0.12	0.16	63	EC3-260-0402M	14730
0.25	0.33	63	EC3-263-0202M	16530	0.18	0.25	63	EC3-263-0402M	16010
0.37	0.5	71	EC3-270-0202M	16880	0.25	0.33	71	EC3-270-0402M	17340
0.55	0.75	71	EC3-273-0202M	20630	0.37	0.5	71	EC3-273-0402M	17360
0.75	1.00	80	EC3-280-0202M	21330	0.55	0.75	80	EC3-280-0402M	21980
1.10	1.50	80	EC3-283-0202M	24010	0.75	1.0	80	EC3-283-0402M	21750
1.5	2.0	90S	EC3-290-0202M	26680	1.10	1.5	90S	EC3-290-0402M	27100
2.2	3.0	90L	EC3-296-0202M	35060	1.50	2.0	90L	EC3-296-0402M	31970
3.70	5.0	100L	EC3-306-0202M	45390	2.20	3.0	100L	EC3-306-0402M	38380
5.5	7.5	132S	EC3-313-0202M	68190	3.70	5.0	112M	EC3-313-0402M	49320
7.5	10.0	132S	EC3-330-0202M	71530	5.5	7.5	132S	EC3-330-0402M	67480
9.3	12.5	160M	EC3-362-0202M	120580	7.5	10.0	132M	EC3-333-0402M	79010
11.0	15.0	160M	EC3-363-0202M	126160	9.3	12.5	160M	EC3-363-0402M	127710
15.0	20.0	160M	EC3-364-0202M	152300	11.0	15.0	160M	EC3-364-0402M	133940
18.5	25.0	160L	EC3-366-0202M	190300	15.0	20.0	160L	EC3-366-0402M	161670
22.0	30.0	180M	EC3-383-0202M	208000	18.5	25.0	180M	EC3-383-0402M	207290
30.0	40.0	200L	EC3-406-0202M	308960	22.0	30.0	180L	EC3-386-0402M	224140
37.0	50.0	200L	EC3-407-0202M	379160	30.0	40.0	200L	EC3-406-0402M	302720
45.0	60.0	225M	EC3-423-0202M	487260	37.0	50.0	225S	EC3-420-0402M	366460
55.0	75.0	250M	EC3-453-0202M	663180	45.0	60.0	225M	EC3-423-0402M	439750
75.0	100.0	280S	EC3-480-0202M	835530	55.0	75.0	250M	EC3-453-0402M	606750
90.0	120.0	280M	EC3-483-0202M	971650	75.0	100.0	280S	EC3-480-0402M	754520
110.0	150.0	315S	EC3-510-0202M	1202560	90.0	120.0	280M	EC3-483-0402M	891770
125.0	170.0	315M	EC3-513-0202M	1384130	110.0	150.0	315S	EC3-510-0402M	1051950
132.0	180.0	315M	EC3-514-0202M	1473030	125.0	170.0	315M	EC3-513-0402M	1182490
160.0	215.0	315L	EC3-516-0202M	1615680	132.0	180.0	315M	EC3-514-0402M	1230000
180.0	240.0	315L	EC3-518-0202M	1671920	160.0	215.0	315L	EC3-516-0402M	1475280
200.0	270.0	315L	EC3-517-0202M	1871310	180.0	240.0	315L	EC3-518-0402M	1663520
225.0	300.0	355S	EC3-550-0202M	1962120	200.0	270.0	315L	EC3-517-0402M	1755600
250.0	335.0	355M	EC3-553-0202M	2108400	225.0	300.0	355S	EC3-550-0402M	2108400
275.0	370.0	355L	EC3-556-0202M	2199850	250.0	335.0	355M	EC3-553-0402M	2108400
315.0	425.0	355L	EC3-557-0202M	2274820	275.0	370.0	355L	EC3-556-0402M	2311750
					315.0	425.0	355L	EC3-557-0402M	2429820



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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	22100	0.12	0.16	71	EC3-270-0802M	22930
0.25	0.33	71	EC3-274-0602M	22650	0.18	0.25	80	EC3-280-0802M	23640
0.37	0.5	80	EC3-280-0602M	23510	0.25	0.33	80	EC3-283-0802M	25290
0.55	0.75	80	EC3-283-0602M	24240	0.37	0.5	90S	EC3-290-0802M	27040
0.75	1.00	90S	EC3-290-0602M	27700	0.55	0.75	90L	EC3-296-0802M	30690
1.1	1.50	90L	EC3-296-0602M	30580	0.75	1.00	100L	EC3-306-0802M	39210
1.5	2.00	100L	EC3-306-0602M	43070	1.1	1.50	100L	EC3-307-0802M	45600
2.2	3.00	112M	EC3-313-0602M	47390	1.5	2.00	112M	EC3-313-0802M	51650
3.7	5.0	132S	EC3-330-0602M	71040	2.2	3.00	132S	EC3-330-0802M	69810
5.5	7.5	132M	EC3-333-0602M	83410	3.7	5.0	160M	EC3-363-0802M	121420
7.5	10.0	160M	EC3-363-0602M	129620	5.5	7.5	160M	EC3-364-0802M	135370
9.3	12.5	160L	EC3-366-0602M	142930	7.5	10.0	160L	EC3-366-0802M	166100
11.0	15.0	160L	EC3-367-0602M	155060	9.3	12.5	180M	EC3-383-0802M	210920
15.0	20.0	180L	EC3-386-0602M	202030	11.0	15.0	180L	EC3-386-0802M	222460
18.5	25.0	200L	EC3-406-0602M	290750	15.0	20.0	200L	EC3-406-0802M	347200
22.0	30.0	200L	EC3-407-0602M	299930	18.5	25.0	225S	EC3-420-0802M	436990
30.0	40.0	225M	EC3-423-0602M	447700	22.0	30.0	225M	EC3-423-0802M	485490
37.0	50.0	250M	EC3-453-0602M	624060	30.0	40.0	250M	EC3-453-0802M	658660
45.0	60.0	280S	EC3-480-0602M	753540	37.0	50.0	280S	EC3-480-0802M	832790
55.0	75.0	280M	EC3-483-0602M	869480	45.0	60.0	280M	EC3-483-0802M	942390
75.0	100.0	315S	EC3-510-0602M	1019340	55.0	75.0	315S	EC3-510-0802M	1141950
90.0	120.0	315M	EC3-513-0602M	1288910	75.0	100.0	315M	EC3-513-0802M	1417950
110.0	150.0	315M	EC3-514-0602M	1427830	90.0	120.0	315L	EC3-516-0802M	1599280
125.0	170.0	315L	EC3-516-0602M	1528230	110.0	150.0	315L	EC3-517-0802M	1693060
132.0	180.0	315L	EC3-517-0602M	1672760	132.0	180.0	355S	EC3-550-0802M	1961520
160.0	215.0	355S	EC3-550-0602M	1738700	150.0	200.0	355M	EC3-554-0802M	2058750
180.0	240.0	355M	EC3-554-0602M	2081950	160.0	215.0	355M	EC3-553-0802M	2247250
200.0	270.0	355M	EC3-553-0602M	2134710	200.0	270.0	355L	EC3-556-0802M	2492010
225.0	300.0	355L	EC3-556-0602M	2272230	225.0	300.0	355L	EC3-557-0802M	2745480
250.0	335.0	355L	EC3-557-0602M	2296560					

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 guidelines for Non-standard motors

ANNEXURE: PRICE CALCULATION GUIDELINES FOR NON STANDARD MOTORS					
Sr. No.	Special Features & Scope		Frame Size	Price	
1 Non-standard winding					
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	12.5%	
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 parity	
1.4	Crane duty motor		All	5%	
1.5	Ambient Temp. -30 to +65°C		All	List price as per selected frame	
2 Winding Protection					
2.1	Vacuum Pressure Impregnation for winding		63-225	5%	
			250-355	Nil	
2.2	Epoxy gelcoat on winding		All	7.5%	
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.	All	₹ 2560
			Set of 6 Nos.	All	₹ 5090
2.5	RTD (For Standard motors only)	3 wire simplex	Set of 3 Nos.	All	₹ 7640
			Set of 6 Nos.		₹ 13110
		6 wire duplex	Set of 3 Nos.		₹ 13110
			Set of 6 Nos.		₹ 20330
2.6	Thermostat	1 No.	All	₹ 730	
3 Non-standard Construction					
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	3%
				160 & above	5%
		B35 / B34		All	5%
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	
4 Further Mountings					
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					
5	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	Bearings						
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	Bearing Temperature Detector (BTD) ROD type (Duplex) terminated in auxilliary TB, 2 Nos.		280-355	₹ 10760			
7	Terminal Box						
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			
8	Painting						
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%
9	Motor Protection		
9.1	IP56 / IP65 Protection	All	10%
10	Testing		
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
11	Miscellaneous		
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
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.			