

Largest range
Efficient design



BCH IE2- IE3 Motors Price List

01-May-2021



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	11860	0.12	0.16	63	EC2-260-0402M	12100
0.25	0.33	63	EC2-263-0202M	13060	0.18	0.25	63	EC2-263-0402M	12100
0.37	0.5	71	EC2-270-0202M	13360	0.25	0.33	71	EC2-270-0402M	12430
0.55	0.75	71	EC2-273-0202M	16260	0.37	0.5	71	EC2-273-0402M	14480
0.75	1.00	80	EC2-280-0202M	16800	0.55	0.75	80	EC2-280-0402M	17350
1.10	1.50	80	EC2-283-0202M	18320	0.75	1.00	80	EC2-283-0402M	17990
1.50	2.00	90S	EC2-290-0202M	21070	1.10	1.50	90S	EC2-290-0402M	21660
2.20	3.00	90L	EC2-296-0202M	27920	1.50	2.00	90L	EC2-296-0402M	25060
3.70	5.0	100L	EC2-306-0202M	33600	2.20	3.00	100L	EC2-306-0402M	30350
5.5	7.5	132S	EC2-313-0202M	55720	3.70	5.0	112M	EC2-313-0402M	39740
7.5	10.0	132S	EC2-330-0202M	59720	5.5	7.5	132S	EC2-330-0402M	53130
9.3	12.5	160M	EC2-362-0202M	96930	7.5	10.0	132M	EC2-333-0402M	61770
11.0	15.0	160M	EC2-363-0202M	108100	9.3	12.5	132M	EC2-334-0402M	79220
15.0	20.0	160M	EC2-364-0202M	123650	9.3	12.5	160M	EC2-363-0402M	96660
18.5	25.0	160L	EC2-366-0202M	153450	11.0	15.0	160M	EC2-364-0402M	103030
22.0	30.0	180M	EC2-383-0202M	167930	15.0	20.0	160L	EC2-366-0402M	123540
30.0	40.0	200L	EC2-406-0202M	250530	18.5	25.0	180M	EC2-383-0402M	160250
37.0	50.0	200L	EC2-407-0202M	304520	22.0	30.0	180L	EC2-386-0402M	177430
45.0	60.0	225M	EC2-423-0202M	387130	30.0	40.0	200L	EC2-406-0402M	248910
55.0	75.0	250M	EC2-453-0202M	518870	37.0	50.0	225S	EC2-420-0402M	291780
75.0	100.0	280S	EC2-480-0202M	661480	45.0	60.0	225M	EC2-423-0402M	349340
90.0	120.0	280M	EC2-483-0202M	768320	55.0	75.0	250M	EC2-453-0402M	481080
110.0	150.0	315S	EC2-510-0202M	951560	75.0	100.0	280S	EC2-480-0402M	585930
125.0	170.0	315M	EC2-513-0202M	1131670	90.0	120.0	280M	EC2-483-0402M	686030
132.0	180.0	315M	EC2-514-0202M	1166770	110.0	150.0	315S	EC2-510-0402M	832780
160.0	215.0	315L	EC2-516-0202M	1268820	125.0	170.0	315M	EC2-513-0402M	950800
180.0	240.0	315L	EC2-518-0202M	1321670	132.0	180.0	315M	EC2-514-0402M	974130
200.0	270.0	315L	EC2-517-0202M	1479920	160.0	215.0	315L	EC2-516-0402M	1134060
225.0	300.0	355S	EC2-550-0202M	1650470	180.0	240.0	315L	EC2-518-0402M	1209970
250.0	335.0	355M	EC2-553-0202M	1700750	200.0	270.0	315L	EC2-517-0402M	1378420
275.0	370.0	355L	EC2-556-0202M	1754750	225.0	300.0	355S	EC2-550-0402M	1578950
315.0	425.0	355L	EC2-557-0202M	1827090	250.0	335.0	355M	EC2-553-0402M	1679370
					275.0	370.0	355L	EC2-556-0402M	1828500
					315.0	425.0	355L	EC2-557-0402M	1954940



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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	15460	0.12	0.16	71	EC2-273-0802M	17180
0.25	0.33	71	EC2-274-0602M	16720	0.18	0.25	80	EC2-280-0802M	20640
0.37	0.5	80	EC2-280-0602M	18590	0.25	0.33	80	EC2-283-0802M	18910
0.55	0.75	80	EC2-283-0602M	18930	0.37	0.5	90S	EC2-290-0802M	19550
0.75	1.00	90S	EC2-290-0602M	21590	0.55	0.75	90L	EC2-296-0802M	24260
1.10	1.50	90L	EC2-296-0602M	23390	0.75	1.00	100L	EC2-306-0802M	30960
1.50	2.00	100L	EC2-306-0602M	32540	1.10	1.50	100L	EC2-307-0802M	36050
2.20	3.00	112M	EC2-313-0602M	35330	1.50	2.00	112M	EC2-313-0802M	40830
3.70	5.0	132S	EC2-330-0602M	56790	2.20	3.00	132S	EC2-330-0802M	55170
5.5	7.5	132M	EC2-333-0602M	65190	3.70	5.0	132M	EC2-363-0802M	95950
7.5	10.0	160M	EC2-363-0602M	103230	5.5	7.5	160M	EC2-364-0802M	106970
9.3	12.5	160L	EC2-366-0602M	114450	7.5	10.0	160L	EC2-366-0802M	131300
11.0	15.0	160L	EC2-367-0602M	126980	9.3	12.5	180M	EC2-383-0802M	166740
15.0	20.0	180L	EC2-386-0602M	166220	11.0	15.0	180L	EC2-386-0802M	175830
18.5	25.0	200L	EC2-406-0602M	229770	15.0	20.0	200L	EC2-406-0802M	274450
22.0	30.0	200L	EC2-407-0602M	248300	18.5	25.0	225S	EC2-420-0802M	345430
30.0	40.0	225M	EC2-423-0602M	361320	22.0	30.0	225M	EC2-423-0802M	383760
37.0	50.0	250M	EC2-453-0602M	485360	30.0	40.0	250M	EC2-453-0802M	520670
45.0	60.0	280S	EC2-480-0602M	588140	37.0	50.0	280S	EC2-480-0802M	658320
55.0	75.0	280M	EC2-483-0602M	676210	45.0	60.0	280M	EC2-483-0802M	744940
75.0	100.0	315S	EC2-510-0602M	802420	55.0	75.0	315S	EC2-510-0802M	902710
90.0	120.0	315M	EC2-513-0602M	1003460	75.0	100.0	315M	EC2-513-0802M	1120890
110.0	150.0	315M	EC2-514-0602M	1112120	90.0	120.0	315L	EC2-516-0802M	1264230
125.0	170.0	315L	EC2-516-0602M	1248310	110.0	150.0	315L	EC2-517-0802M	1338360
132.0	180.0	315L	EC2-517-0602M	1313820	132.0	180.0	355S	EC2-550-0802M	1550610
160.0	215.0	355S	EC2-550-0602M	1411470	150.0	200.0	355M	EC2-554-0802M	1627450
180.0	240.0	355M	EC2-554-0602M	1487770	160.0	215.0	355M	EC2-553-0802M	1776450
200.0	270.0	355M	EC2-553-0602M	1618780	200.0	270.0	355L	EC2-556-0802M	1969950
225.0	300.0	355L	EC2-556-0602M	1651260	225.0	300.0	355L	EC2-557-0802M	2170330
250.0	335.0	355L	EC2-557-0602M	1771600					



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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	13650	0.12	0.16	63	EC3-260-0402M	13390
0.25	0.33	63	EC3-263-0202M	15020	0.18	0.25	63	EC3-263-0402M	14550
0.37	0.5	71	EC3-270-0202M	15340	0.25	0.33	71	EC3-270-0402M	15760
0.55	0.75	71	EC3-273-0202M	18750	0.37	0.5	71	EC3-273-0402M	15780
0.75	1.00	80	EC3-280-0202M	19390	0.55	0.75	80	EC3-280-0402M	19980
1.10	1.50	80	EC3-283-0202M	21820	0.75	1.0	80	EC3-283-0402M	19770
1.5	2.0	90S	EC3-290-0202M	24250	1.10	1.5	90S	EC3-290-0402M	24630
2.2	3.0	90L	EC3-296-0202M	31870	1.50	2.0	90L	EC3-296-0402M	29060
3.70	5.0	100L	EC3-306-0202M	41260	2.20	3.0	100L	EC3-306-0402M	34890
5.5	7.5	132S	EC3-313-0202M	61990	3.70	5.0	112M	EC3-313-0402M	44830
7.5	10.0	132S	EC3-330-0202M	65020	5.5	7.5	132S	EC3-330-0402M	61340
9.3	12.5	160M	EC3-362-0202M	109610	7.5	10.0	132M	EC3-333-0402M	71820
11.0	15.0	160M	EC3-363-0202M	114690	9.3	12.5	160M	EC3-363-0402M	116100
15.0	20.0	160M	EC3-364-0202M	138450	11.0	15.0	160M	EC3-364-0402M	121760
18.5	25.0	160L	EC3-366-0202M	173000	15.0	20.0	160L	EC3-366-0402M	146970
22.0	30.0	180M	EC3-383-0202M	189090	18.5	25.0	180M	EC3-383-0402M	188440
30.0	40.0	200L	EC3-406-0202M	280870	22.0	30.0	180L	EC3-386-0402M	203760
37.0	50.0	200L	EC3-407-0202M	344690	30.0	40.0	200L	EC3-406-0402M	275200
45.0	60.0	225M	EC3-423-0202M	442960	37.0	50.0	225S	EC3-420-0402M	333140
55.0	75.0	250M	EC3-453-0202M	602890	45.0	60.0	225M	EC3-423-0402M	399770
75.0	100.0	280S	EC3-480-0202M	759570	55.0	75.0	250M	EC3-453-0402M	551590
90.0	120.0	280M	EC3-483-0202M	883310	75.0	100.0	280S	EC3-480-0402M	685920
110.0	150.0	315S	EC3-510-0202M	1093230	90.0	120.0	280M	EC3-483-0402M	810700
125.0	170.0	315M	EC3-513-0202M	1258300	110.0	150.0	315S	EC3-510-0402M	956310
132.0	180.0	315M	EC3-514-0202M	1339110	125.0	170.0	315M	EC3-513-0402M	1074990
160.0	215.0	315L	EC3-516-0202M	1468800	132.0	180.0	315M	EC3-514-0402M	1118180
180.0	240.0	315L	EC3-518-0202M	1519920	160.0	215.0	315L	EC3-516-0402M	1341160
200.0	270.0	315L	EC3-517-0202M	1701190	180.0	240.0	315L	EC3-518-0402M	1512290
225.0	300.0	355S	EC3-550-0202M	1783740	200.0	270.0	315L	EC3-517-0402M	1596000
250.0	335.0	355M	EC3-553-0202M	1916720	225.0	300.0	355S	EC3-550-0402M	1916720
275.0	370.0	355L	EC3-556-0202M	1999860	250.0	335.0	355M	EC3-553-0402M	1916720
315.0	425.0	355L	EC3-557-0202M	2068010	275.0	370.0	355L	EC3-556-0402M	2101590
					315.0	425.0	355L	EC3-557-0402M	2208920



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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	20090	0.12	0.16	71	EC3-270-0802M	20840
0.25	0.33	71	EC3-274-0602M	20590	0.18	0.25	80	EC3-280-0802M	21490
0.37	0.5	80	EC3-280-0602M	21370	0.25	0.33	80	EC3-283-0802M	22990
0.55	0.75	80	EC3-283-0602M	22030	0.37	0.5	90S	EC3-290-0802M	24580
0.75	1.00	90S	EC3-290-0602M	25180	0.55	0.75	90L	EC3-296-0802M	27900
1.1	1.50	90L	EC3-296-0602M	27800	0.75	1.00	100L	EC3-306-0802M	35640
1.5	2.00	100L	EC3-306-0602M	39150	1.1	1.50	100L	EC3-307-0802M	41450
2.2	3.00	112M	EC3-313-0602M	43080	1.5	2.00	112M	EC3-313-0802M	46950
3.7	5.0	132S	EC3-330-0602M	64580	2.2	3.00	132S	EC3-330-0802M	63460
5.5	7.5	132M	EC3-333-0602M	75820	3.7	5.0	160M	EC3-363-0802M	110380
7.5	10.0	160M	EC3-363-0602M	117830	5.5	7.5	160M	EC3-364-0802M	123060
9.3	12.5	160L	EC3-366-0602M	129930	7.5	10.0	160L	EC3-366-0802M	151000
11.0	15.0	160L	EC3-367-0602M	140960	9.3	12.5	180M	EC3-383-0802M	191740
15.0	20.0	180L	EC3-386-0602M	183660	11.0	15.0	180L	EC3-386-0802M	202230
18.5	25.0	200L	EC3-406-0602M	264310	15.0	20.0	200L	EC3-406-0802M	315630
22.0	30.0	200L	EC3-407-0602M	272660	18.5	25.0	225S	EC3-420-0802M	397260
30.0	40.0	225M	EC3-423-0602M	407000	22.0	30.0	225M	EC3-423-0802M	441350
37.0	50.0	250M	EC3-453-0602M	567320	30.0	40.0	250M	EC3-453-0802M	598780
45.0	60.0	280S	EC3-480-0602M	685030	37.0	50.0	280S	EC3-480-0802M	757080
55.0	75.0	280M	EC3-483-0602M	790430	45.0	60.0	280M	EC3-483-0802M	856710
75.0	100.0	315S	EC3-510-0602M	926670	55.0	75.0	315S	EC3-510-0802M	1038130
90.0	120.0	315M	EC3-513-0602M	1171730	75.0	100.0	315M	EC3-513-0802M	1289040
110.0	150.0	315M	EC3-514-0602M	1298020	90.0	120.0	315L	EC3-516-0802M	1453890
125.0	170.0	315L	EC3-516-0602M	1389300	110.0	150.0	315L	EC3-517-0802M	1539140
132.0	180.0	315L	EC3-517-0602M	1520690	132.0	180.0	355S	EC3-550-0802M	1783200
160.0	215.0	355S	EC3-550-0602M	1580630	150.0	200.0	355M	EC3-554-0802M	1871590
180.0	240.0	355M	EC3-554-0602M	1892680	160.0	215.0	355M	EC3-553-0802M	2042950
200.0	270.0	355M	EC3-553-0602M	1940640	200.0	270.0	355L	EC3-556-0802M	2265460
225.0	300.0	355L	EC3-556-0602M	2065660	225.0	300.0	355L	EC3-557-0802M	2495890
250.0	335.0	355L	EC3-557-0602M	2087780					

Terms & Conditions:

1. This price list supercedes all previous price lists.
2. The Prices are ex-works and excluding of GST which will be charged extra at actuals.
3. The list 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.

ANNEXURE: PRICE CALCULATION GUIDELINES FOR NON STANDARD MOTORS

S. no.	Special Features & Scope	Frame Size	Price	
1	Non-standard winding			
a	Non standard voltage/ frequency other than 415V, 50Hz	380V, 50Hz	All	Nil
		Voltage change other than 380V, 415V & 220V	All	5%
		Freq. change other than 50Hz	All	5%
		Combined change other than those specified above	All	7.5%
b	Insulation class 'H'	All	12.5%	
c	Two speed motors not specified in the price list	All	On request	
d	Crane duty motor	All	5%	
2	Winding Protection			
a	Vacuum Pressure Impregnation for winding (VPI)	63-225	5%	
		250-355	Nil	
b	Epoxy gelcoat on winding	All	7.5%	
c	Anti Condensation Heater (Space Heater)	80-112	₹ 2,220	
		132-180	₹ 2,950	
		200-355	₹ 5,890	
d	Thermistors	Set of 3 Nos.	All	₹ 2,220
		Set of 6 Nos.	All	₹ 4,420
e	RTD	1 No.	All	₹ 2,950
f	Thermostat	1 No.	All	₹ 630
3	Non-standard Construction			
a	Non std shaft	Shaft length = 2E max.	All	7.5%
		Double shaft extension	All	7.5%
		Shaft length more than 2E	All	On request
		Shaft material EN 24	All	15%
		Taper single shaft extension taper 1:10	All	10%
		Taper double shaft extension taper 1:10	All	15%
b	Mounting	B5* / B14 / V1 / V3* / V18 / V19	Upto 132	3%
		* Not recommended for frame 355	160 & above	5%
		B35 / B34	All	5%
c	Special fixing dimensions other than IS:1231/2223	All	20%	
d	Special low vibration motors for machine tools	All	10%	
4	Further Mountings			
a	Motor suitable for brake mounting (Dealer to provide brake details. Brake mounting is not in our scope of supply)	All	15%	
b	Brake motor kit (Brake protection IP54) (Refer Technical catalogue for brake selection)	Brake size		
		6	63, 71	₹ 5,150
		8	71, 80	₹ 5,630
		10	80, 90	₹ 8,250
		12	90, 100	₹ 9,410
		14	100, 112	₹ 11,770
		16	112, 132	₹ 16,160
		18	132, 160	₹ 21,370
		20	160, 180	₹ 27,180
		25	180, 200	₹ 38,190
c	Encoder mounting arrangement for inverter duty motors suitable for hollow shaft encoders	100-132	₹ 3,690	
		160-250	₹ 4,420	
		280-355	₹ 5,680	
d	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	Fan & Fan Cover			
a	Cast iron fan in place of plastic fan	All	10%	
b	Clean flow fan cover	All	7.5%	

Sr. No.	Special Features & Scope	Frame Size	Price	
6	Bearings			
a	Hybrid bearing	6208	132	₹ 9,920
		6209	160	₹ 10,400
		6210	180	₹ 11,070
b	Insulated bearing	6310	180	₹ 23,470
		6312	200	₹ 25,640
		6313	225	₹ 27,150
		6315	250	₹ 30,240
		6317	280	₹ 31,670
		6319	315	₹ 34,770
		6322	355	₹ 44,700
c	Roller bearing	NU 208	132	₹ 1,400
		NU 309	160	₹ 2,170
		NU 310	180	₹ 2,220
		NU 312	200	₹ 3,580
		NU 313	225	₹ 3,830
		NU 315	250	₹ 3,980
		NU 317	280	₹ 5,860
		NU 319	315	₹ 5,990
d	BTD	1 No.	280-355	₹ 7,010
7	Terminal Box			
a	One size larger terminal box	100-315	5%	
b	Flying Leads	Up to 1m	All	10%
c	Cast iron terminal box	63-250	5%	
d	Cable gland (per run of cable) Standard	63-90	₹ 600	
		100-132	₹ 830	
		160-180	₹ 1,190	
		200-250	₹ 2,370	
		280-315	₹ 3,550	
		355	₹ 4,730	
8	Painting			
a	Non-standard paint shade	All	5%	
b	External epoxy paint	All	7.5%	
c	External epoxy paint + gelcoat on winding	All	10%	
d	Motor delivered with red oxide primer	All	No reduction	
9	Motor Protection			
a	IP56 / IP65 Protection	All	10%	
10	Testing			
a	IP test	All	On request	
b	Witness testing of routine test per motor	63-90	₹ 1500	
		100-132	₹ 2500	
		160-250	₹ 4000	
		280-355	₹ 5500	
c	Witness testing of type test per motor	63-90	₹ 4000	
		100-132	₹ 7000	
		160-250	₹ 9500	
		280-315	₹ 15000	
		355	₹ 19000	
11	Miscellaneous			
a	Motor delivered in unpacked condition	All	No reduction	
b	Sea worthy packing	All	5%	

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.