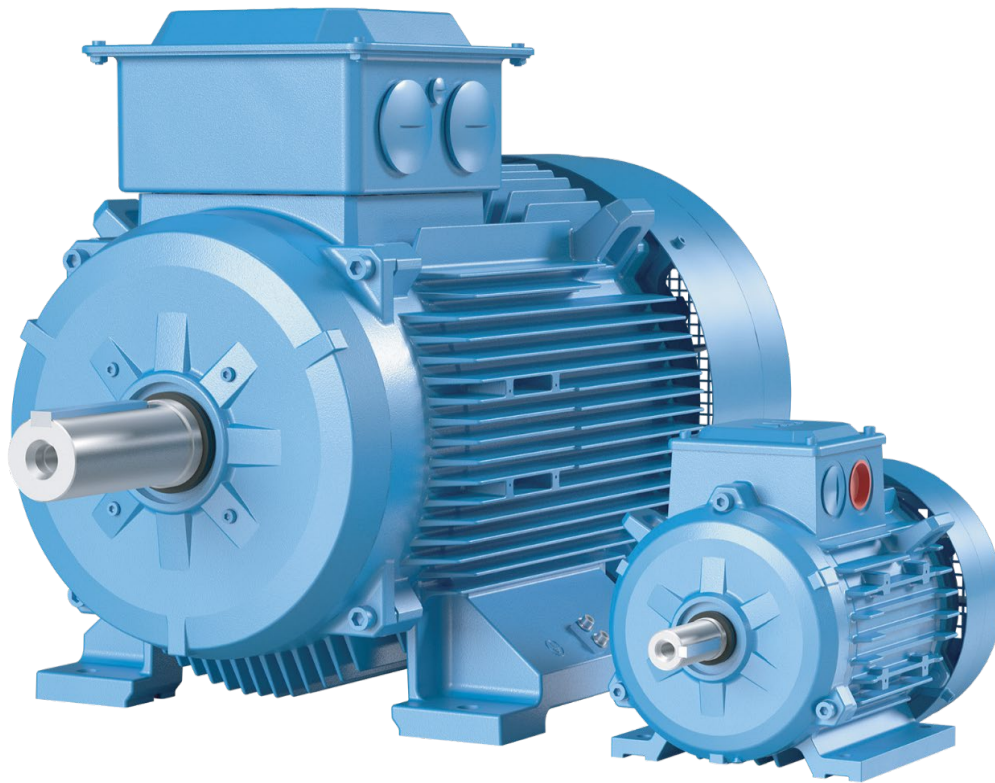


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**MTL, RMS, SOCO**  
**ABB M2BAX Motor - Trade Price List**

Version 1.1



# M2BAX motors in brief

IE3 General performance cast iron motors

General information	Three phase squirrel cage induction motor	
	IE3	
	IP66	
	IEC60034-1:2014	
	Australian HE MEPS	
	Duty S1	
	1000m above sea level	
	C3 medium corrosion class	
	Bi-directional rotation	
Mounting options	B3, B35 foot + flange, B34 foot + face as standard   Optional B5 (D) flange and B14 (C) face available ex factory.	
Voltage and frequency	71 - 100 frames	230/400V 50Hz. Multivoltage: 220-240V/380-415V- 50Hz; 250/460 - 60Hz
	112 - 355 frames	400/690V 50Hz. Multivoltage: 380-415V/660-690V - 50Hz; 440-460 - 60Hz
Insulation	71 - 132 frames	Class F insulation with B temp rise
	160 - 355 frames	Class H insulation with F temp rise
Bearings	All sizes	Drive end located
	71 - 112 frames	Standard
	71 - 132 frames	Type - sealed for life
	160 - 355 frames	63 series at drive end
	160 - 355 frames	Grease nipple and grease release
Ambient temperature	Operating range	-20°C to +40°C
Stator and end shields	Material	Cast iron
Terminal box	Position	Top mount
	71 - 132 frames	Fixed position
	160 - 355 frames	Indexable four directions
Connections threaded openings	71 frame	2 x M16, 1 x M16
	80 frame	2 x M25, 1 x M16
	90 - 132 frames	2 x M32, 1 x M16
	160 - 200 frames	2 x M40, 1 x M16
	225 - 250 frames	2 x M63, 1 x M16
	280 - 315 frames	2 x M63, 2 x M20
	355 frame	2 x M75, 2 x M20
Paint colour	Munsell blue 8B 4.5/3.25	
Fan	Material	Glass fibre reinforced polypropylene, optional aluminium
Fan cover	Material	Steel
Stator winding	Material	Copper
	Winding protection	1 x 150°C PTC thermistor per phase
Rotor winding	Material	Pressure die cast aluminium
Balancing method	Half key balancing as standard	
Service factor	1.0	
Key ways	Open key way	
Drain holes	Drain holes with closable plastic plugs, closed on delivery IP66. (Open IP55)	
Enclosure	IP66. (IP55)	
Cooling method	IC 411 TEFC	
Lifting lugs	71 - 250 frames	Integrated cast iron lifting lugs
	280 - 355 frames	Bolted lifting lugs
Variable speed drive (VSD)	All sizes	Winding suitable for VSD applications
	71 - 250 frames	Standard VSD suitable
	280 - 355 frames	EDM protection of bearings required

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Product code	Motor type	Output kW	Hp	Speed r/min	Motor frame	Shaft size		Weight kg	Trade price		
						A	mm		B3 foot	B35 foot + flange	B34 foot + face
<b>3000 r/min = 2 poles</b>						<b>400 V 50 Hz</b>					
ABB2000037X	M2BAX 71MC 2	0.37	0.5	2819	71MC	0.86	14	10	\$384	\$491	\$513
ABB2000055X	M2BAX 71MB 2	0.55	0.7	2816	71MB	1.27	14	10	\$431	\$539	\$560
ABB2000075X	M2BAX 80MC 2	0.75	1.0	2891	80MC	1.66	19	16	\$517	\$625	\$647
ABB2000110X	M2BAX 80MD 2	1.1	1.5	2860	80MD	2.29	19	17	\$556	\$664	\$685
ABB2000150X	M2BAX 90SB 2	1.5	2.0	2912	90SB	3.04	24	23	\$655	\$763	\$784
ABB2000220X	M2BAX90SLA 2	2.2	2.9	2908	90SLA	4.54	24	26	\$819	\$927	\$948
ABB2000300X	M2BAX 100LKA 2	3	4.0	2910	100LKA	5.38	28	42	\$935	\$1,043	\$1,065
ABB2000400X	M2BAX 112MB 2	4	5.4	2908	112MB	7.23	28	42	\$1,190	\$1,358	\$1,392
ABB2000550X	M2BAX 132SMA 2	5.5	7.4	2931	132SMA	10.5	38	64	\$1,871	\$1,978	\$2,073
ABB2000750X	M2BAX 132SMB 2	7.5	10.1	2921	132SMB	14	38	72	\$2,228	\$2,397	\$2,431
ABB2001100X	M2BAX 160MLA 2	11	14.7	2943	160MLA	19.1	42	121	\$2,905	\$3,211	NA
ABB2001500X	M2BAX 160MLB 2	15	20.1	2947	160MLB	26.5	42	128	\$3,591	\$3,897	NA
ABB2001850X	M2BAX 160MLC 2	18.5	24.8	2949	160MLC	32	42	145	\$4,198	\$4,504	NA
ABB2002200X	M2BAX 180MLA 2	22	29.5	2941	180MLA	41.1	48	152	\$4,711	\$5,043	NA
ABB2003000X	M2BAX 200MLA 2	30	40.2	2961	200MLA	52	55	250	\$5,901	\$6,418	NA
ABB2003700X	M2BAX 200MLB 2	37	49.6	2951	200MLB	63.9	55	268	POA	POA	NA
ABB2004500X	M2BAX 225SMA 2	45	60.3	2962	225SMA	81.3	55	278	POA	POA	NA
ABB2005500X	M2BAX 250SMA 2	55	73.7	2965	250SMA	96.4	60	335	POA	POA	NA
ABB2007500X	M2BAX 280SMF 2	75	100.5	2971	280SMF	129	65	527	POA	POA	NA
ABB2009000X	M2BAX 280SMG 2	90	120.6	2970	280SMG	152	65	578	POA	POA	NA
ABB2011000X	M2BAX 315SMB 2	110	147.5	2982	315SMB	192	65	801	POA	POA	NA
ABB2013200X	M2BAX 315SMC 2	132	176.9	2982	315SMC	229	65	852	POA	POA	NA
ABB2016000X	M2BAX 315SMD 2	160	214.5	2983	315SMD	275	65	909	POA	POA	NA
ABB2020000X	M2BAX 315MLA 2	200	268.1	2983	315MLA	342	75	1051	POA	POA	NA
ABB2025000X	M2BAX 355SMA 2	250	335.1	2985	355SMA	423	75	1412	POA	POA	NA
ABB2031500X	M2BAX 355SMB 2	315	422.3	2980	355SMB	529	75	1495	POA	POA	NA
ABB2035500X	M2BAX 355SMC 2	355	475.9	2984	355SMC	605	75	1565	POA	POA	NA



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Product code	Motor type	Output kW	Hp	Speed r/min	Motor frame	Shaft			B3 foot	B35 foot + flange	B34 foot + face
						Current A	size mm	Weight kg			
<b>1500 r/min = 4 poles</b>						<b>400 V 50 Hz</b>					
ABB4000025X	M2BAX 71MB 4	0.25	0.3	1440	71MB	0.78	14	10	POA	POA	POA
ABB4000037X	M2BAX 71MLA 4	0.37	0.5	1441	71MLA	1.06	14	12	\$422	\$530	\$552
ABB4000055X	M2BAX 80MC 4	0.55	0.7	1446	80MC	1.32	19	17	\$461	\$569	\$591
ABB4000075X	M2BAX 80MLA 4	0.75	1	1445	80MLA	1.84	19	21	\$530	\$638	\$659
ABB4000110X	M2BAX 90SB 4	1.1	1.5	1438	90SB	2.59	24	23	\$603	\$711	\$733
ABB4000150X	M2BAX 90SLA 4	1.5	2	1434	90SLA	3.52	24	25	\$698	\$806	\$828
ABB4000220X	M2BAX 100LB 4	2.2	2.9	1450	100LB	4.74	28	34	\$832	\$940	\$961
ABB4000300X	M2BAX 100LKA 4	3	4	1448	100LKA	6.25	28	41	\$987	\$1,095	\$1,116
ABB4000400X	M2BAX 112MLA 4	4	5.4	1443	112MLA	7.91	28	50	\$1,246	\$1,414	\$1,448
ABB4000550X	M2BAX 132SMA 4	5.5	7.4	1463	132SMA	11.4	38	67	\$1,909	\$2,078	\$2,112
ABB4000750X	M2BAX 132MLA 4	7.5	10.1	1456	132MLA	15.2	38	84	\$2,310	\$2,478	\$2,513
ABB4001100X	M2BAX 160MLA 4	11	14.7	1477	160MLA	21.1	42	136	\$2,961	\$3,267	NA
ABB4001500X	M2BAX 160MLB 4	15	20.1	1477	160MLB	28.5	42	161	\$3,629	\$3,935	NA
ABB4001850X	M2BAX 180MLA 4	18.5	24.8	1472	180MLA	35	48	169	\$4,121	\$4,453	NA
ABB4002200X	M2BAX 180MLB 4	22	29.5	1473	180MLB	42.8	48	198	\$4,767	\$5,099	NA
ABB4003000X	M2BAX 200MLA 4	30	40.2	1481	200MLA	56.3	55	282	\$6,078	\$6,595	NA
ABB4003700X	M2BAX 225SMA 4	37	49.6	1479	225SMA	70.3	60	278	POA	POA	NA
ABB4004500X	M2BAX 225SMB 4	45	60.3	1481	225SMB	87.8	60	293	POA	POA	NA
ABB4005500X	M2BAX 250SMA 4	55	73.7	1479	250SMA	102	70	386	POA	POA	NA
ABB4007500X	M2BAX 280SMF 4	75	100.5	1481	280SMF	137	80	530	POA	POA	NA
ABB4009000X	M2BAX 280SMG 4	90	120.6	1482	280SMG	161	80	593	POA	POA	NA
ABB4011000X	M2BAX 315SMB 4	110	147.5	1489	315SMB	196	85	823	POA	POA	NA
ABB4013200X	M2BAX 315SMC 4	132	176.9	1488	315SMC	231	85	892	POA	POA	NA
ABB4016000X	M2BAX 315SMD 4	160	214.5	1488	315SMD	282	85	933	POA	POA	NA
ABB4020000X	M2BAX 315MLB 4	200	268.1	1487	315MLB	351	85	1091	POA	POA	NA
ABB4025000X	M2BAX 355SMA 4	250	335.1	1491	355SMA	435	100	1445	POA	POA	NA
ABB4031500X	M2BAX 355SMB 4	315	422.3	1491	355SMB	545	100	1595	POA	POA	NA
ABB4035500X	M2BAX 355SMC 4	355	476	1490	355SMC	616	100	1635	POA	POA	NA

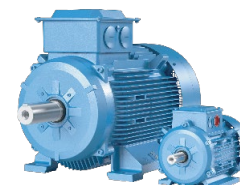


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Product code	Motor type	Output kW	Hp	Speed r/min	Motor frame	Shaft		Weight kg	Trade price		
						Current A	size mm		B3 foot	B35 foot + flange	B34 foot + face
<b>1000 r/min = 6 poles</b>						<b>400 V 50 Hz</b>					
ABB6000018X	M2BAX 71MB 6	0.18	0.2	931	71MB	0.6	14	10	POA	POA	POA
ABB6000025X	M2BAX 71MLA 6	0.25	0.3	926	71MLA	0.8	14	13	POA	POA	POA
ABB6000037X	M2BAX 80MC 6	0.37	0.5	939	80MC	1.09	19	17	\$491	\$599	\$621
ABB6000055X	M2BAX 80MLA 6	0.55	0.7	943	80MLA	1.54	19	23	\$556	\$664	\$685
ABB6000075X	M2BAX 90SLA 6	0.75	1.0	952	90SLA	2	24	23	\$664	\$772	\$793
ABB6000110X	M2BAX 90LB 6	1.1	1.5	954	90LB	3.2	24	30	\$806	\$914	\$935
ABB6000150X	M2BAX 100LKA 6	1.5	2.0	953	100LKA	4	28	37	\$862	\$966	\$991
ABB6000220X	M2BAX 112MLA 6	2.2	2.9	957	112MLA	5.94	28	46	\$1,190	\$1,358	\$1,392
ABB6000300X	M2BAX 132SMA 6	3	4	968	132SMA	7.4	38	65	\$1,759	\$1,927	\$1,961
ABB6000400X	M2BAX 132SMB 6	4	5.4	972	132SMB	10	38	71	\$2,103	\$2,272	\$2,306
ABB6000550X	M2BAX 132MLA 6	5.5	7.4	974	132MLA	14	38	97	\$2,582	\$2,750	\$2,784
ABB6000750X	M2BAX 160MLA 6	7.5	10.1	979	160MLA	15.9	42	131	\$3,116	\$3,422	NA
ABB6001100X	M2BAX 160MLB 6	11	14.7	976	160MLB	23	42	161	\$3,987	\$4,293	NA
ABB6001500X	M2BAX 180MLA 6	15	20.1	971	180MLA	32	48	197	\$4,767	\$5,099	NA
ABB6001850X	M2BAX 200MLA 6	18.5	24.8	978	200MLA	39	55	208	\$5,862	\$6,379	NA
ABB6002200X	M2BAX 200MLB 6	22	29.5	978	200MLB	45.9	55	251	\$6,763	\$7,280	NA
ABB6003000X	M2BAX 225SMA 6	30	40.2	988	225SMA	59	60	286	\$8,957	\$9,547	NA
ABB6003700X	M2BAX 250SMA 6	37	49.6	986	250SMA	72.4	70	360	POA	POA	NA
ABB6004500X	M2BAX 280SMF 6	45	60.3	990	280SMF	85	80	524	POA	POA	NA
ABB6005500X	M2BAX 280SMG 6	55	73.7	989	280SMG	103	80	563	POA	POA	NA
ABB6007500X	M2BAX 315SMB 6	75	100.5	994	315SMB	136	85	791	POA	POA	NA
ABB6009000X	M2BAX 315SMC 6	90	120.6	994	315SMC	164	85	859	POA	POA	NA
ABB6011000X	M2BAX 315SMD 6	110	147.5	994	315SMD	200	85	912	POA	POA	NA
ABB6013200X	M2BAX 315MLB 6	132	176.9	995	315MLB	242	85	1068	POA	POA	NA
ABB6016000X	M2BAX 355SMA 6	160	214.5	993	355SMA	292	100	1348	POA	POA	NA
ABB6020000X	M2BAX 355SMB 6	200	268.1	993	355SMB	365	100	1512	POA	POA	NA
ABB6025000X	M2BAX 355SMC 6	250	335.1	993	355SMC	464	100	1656	POA	POA	NA



# Bearings

IE3 General performance cast iron motors

## Bearings standard and alternative designs

Motor size	Poles	Standard design		Alternative design (optional)
		Deep groove ball bearings		Deep groove ball bearings
		D-end	N-end	Roller bearings (VC037)
		D-end	N-end	D-end
71	2 - 6	6203-2Z/C3	6202-2Z/C3	
80	2 - 6	6204-2Z/C3	6203-2Z/C3	
90	2 - 6	6205-2Z/C3	6204-2Z/C3	
100	2 - 6	6206-2Z/C3	6205-2Z/C3	
112	2 - 6	6206-2Z/C3	6205-2Z/C3	
132	2 - 4	6308-2Z/C3	6208-2Z/C3	NU 308 ECP/C3
160	2 - 6	6309-2Z/C3	6209-2Z/C3	NU 309 ECP/C3
180	2 - 6	6310-2Z/C3	6209-2Z/C3	NU 310 ECP/C3
200	2 - 6	6312/C3	6209/C3	NU 312 ECP/C3
225	2 - 6	6313/C3	6210/C3	NU 313 ECP/C3
250	2 - 6	6315/C3	6212/C3	NU 315 ECP/C3
280	2 - 6	6316/C3	6316/C3	NU 316 ECP/C3
315	2	6317/C3	6217/C3	NU 317 ECP/C3
315	4 - 6	6319/C3	6217/C3	NU 319 ECP/C3
355	2	6319/C3	6219/C3	NU 319 ECP/C3
355	4 - 6	6322/C3	6219/C3	NU 322 ECP/C3

### Axially-locked bearings

All motors are equipped as standard with an axially locked bearing at the D-end.

IP66 STEFA seal at both ends.

160 - 355 frames have regreasable bearings.

