

Technical data

IE3 aluminum motors, 3000 and 1500 r/min

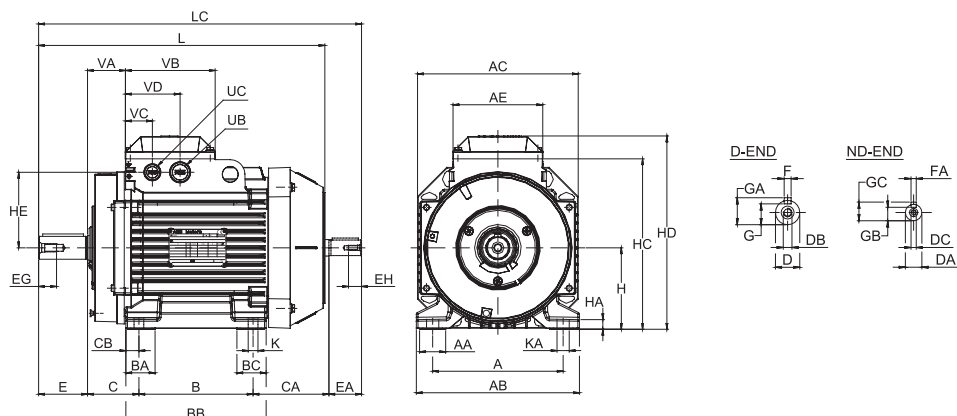
IP 55 - IC 411 - Insulation class F, temperature rise class B
IE3 efficiency class according to IEC 60034-30-1; 2014

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014			Power factor Cos φ	Current					Torque		Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _s /I _N	T _N Nm	T _f /T _N	T _b /T _N					
3000 r/min = 2 poles				400 V 50 Hz				CENELEC-design									
0.75	M3AA 80 B 2	3GAA081612-••J	2881	81.8	81.5	78.6	0.83	1.59	7.6	2.4	3.0	3.4	0.0020	9.4	60		
1.1	M3AA 80 C 2	3GAA081613-••J	2875	82.7	82.7	80.1	0.80	2.3	8.3	3.6	4.0	3.7	0.0020	11	60		
1.5	M3AA 90 L 2	3GAA091612-••J	2900	84.4	85.7	84.5	0.86	2.9	7.6	4.9	2.6	3.2	0.0050	16	60		
2.2	M3AA 90 LB 2	3GAA091613-••J	2880	85.9	87.7	87.5	0.87	4.2	7.0	7.2	2.6	3.2	0.0050	18	63		
3	M3AA 100 LB 2	3GAA101612-••J	2888	87.5	89.1	89.2	0.93	5.3	7.4	9.9	2.7	3.3	0.0090	31	62		
4	M3AA 112 MB 2	3GAA111612-••J	2887	88.1	89.8	90.0	0.92	7.1	9.1	13.2	3.4	4.3	0.0130	35	68		
5.5	M3AA 132 SB 2	3GAA131612-••J	2926	89.6	90.6	90.1	0.92	9.6	9.4	17.9	2.7	4.0	0.0210	56	73		
7.5	M3AA 132 SC 2	3GAA131613-••J	2901	90.5	91.7	91.6	0.91	13.1	7.9	24.6	2.4	4.0	0.0230	63	73		
11	M3AA 160 MLA 2	3GAA161051-••K	2943	92.1	92.7	92.4	0.92	18.7	8.1	35.6	2.7	3.4	0.0520	106	69		
15	M3AA 160 MLB 2	3GAA161052-••K	2943	92.5	93.4	93.2	0.92	25.4	8.4	48.6	3.1	3.4	0.0620	123	69		
18.5	M3AA 160 MLC 2	3GAA161053-••K	2942	93.1	93.9	93.9	0.93	30.8	8.3	60.0	3.1	3.6	0.0720	137	69		
22	M3AA 180 MLA 2	3GAA181051-••K	2957	93.2	93.9	93.8	0.91	37.4	8.1	71.0	2.6	3.2	0.116	176	69		
30	M3AA 200 MLA 2	3GAA201051-••K	2958	94.2	94.9	94.7	0.90	51.0	7.8	96.8	2.8	3.1	0.196	225	72		
37	M3AA 200 MLB 2	3GAA201052-••K	2960	94.7	95.2	95.0	0.91	61.9	8.8	119	3.1	3.4	0.217	241	72		
45	M3AA 225 SMA 2	3GAA221051-••K	2972	95.0	95.2	94.8	0.89	76.8	7.8	144	3.1	3.0	0.323	326	74		
55	M3AA 250 SMA 2	3GAA251051-••K	2975	95.2	95.4	95.0	0.89	93.6	8.0	176	2.8	3.3	0.579	351	75		

Output kW	Motor type	Product code	Speed r/min	Efficiency IEC 60034-30-1; 2014			Power factor Cos φ	Current					Torque		Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure Level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _s /I _N	T _N Nm	T _f /T _N	T _b /T _N					
1500 r/min = 4 poles				400 V 50 Hz				CENELEC-design									
0.75	M3AA 80 E 4	3GAA082614-••J	1433	82.5	83.4	81.4	0.73	1.79	7.0	4.9	3.1	3.9	0.0040	13.1	54		
1.1	M3AA 90 LB 4	3GAA092614-••J	1437	84.1	84.4	82.1	0.80	2.3	6.9	7.3	3.1	3.5	0.0070	17	50		
1.5	M3AA 90 LD 4	3GAA092615-••J	1440	85.3	84.9	82.2	0.75	3.3	7.1	9.9	3.4	3.9	0.0070	20	50		
2.2	M3AA 100 LC 4	3GAA102613-••J	1452	86.7	86.5	84.2	0.80	4.5	7.3	14.4	2.7	3.4	0.0110	25	54		
3	M3AA 100 LD 4	3GAA102614-••J	1449	87.9	88.8	88.0	0.83	5.9	6.9	19.7	2.6	3.3	0.0140	32	63		
	M3AA 112 MB 4	3GAA112612-••J	1444	88.6	89.4	88.9	0.79	8.2	7.1	26.4	2.8	3.3	0.0180	34	64		
5.5	M3AA 132 M 4	3GAA132612-••J	1460	89.6	90.5	89.6	0.82	10.8	6.4	35.9	1.9	2.6	0.0310	48	66		
7.5	M3AA 132 MA 4	3GAA132614-••J	1462	90.6	91.3	90.6	0.79	15.1	6.6	48.9	2.2	3.7	0.0370	59	63		
11	M3AA 160 MLA 4	3GAA162051-••K	1473	92.2	93.0	92.7	0.84	20.4	7.7	71.3	2.6	2.9	0.108	126	62		
15	M3AA 160 MLB 4	3GAA162052-••K	1474	92.6	93.4	93.2	0.84	27.8	7.9	97.1	2.8	3.3	0.125	140	62		
18.5	M3AA 180 MLA 4	3GAA182051-••K	1481	93.3	94.0	93.8	0.82	34.9	7.6	119	3.0	3.1	0.217	177	62		
22	M3AA 180 MLB 4	3GAA182052-••K	1480	93.3	94.1	94.1	0.82	41.5	8.2	141	2.8	3.1	0.217	176	62		
30	M3AA 200 MLA 4	3GAA202051-••K	1484	94.4	94.8	94.6	0.84	54.6	8.3	193	3.0	3.3	0.366	246	63		
37	M3AA 225 SMA 4	3GAA222051-••K	1482	94.9	95.5	95.4	0.86	65.4	7.7	238	2.8	3.1	0.536	315	66		
45	M3AA 225 SMB 4	3GAA222052-••K	1482	95.2	95.6	95.5	0.85	80.2	7.9	289	2.8	3.2	0.536	316	66		
55	M3AA 250 SMA 4	3GAA252051-••K	1485	95.4	95.9	95.7	0.85	97.8	7.9	353	3.0	3.3	0.933	376	67		

Dimension drawings

Foot-mounted aluminum motors, 63 - 112



Foot-mounted motor; IM B3 (IM 1001), IM 1002

IM B3 (IM 1001), IM 1002

Motor size	A	AA	AB	AC	AE	B	BA	BB	BC	C	CA	CB	D	DA	DB	DC	E	EA	EG	EH	F
63	100	25	120	120	85	80	32	98	32	40	74	10	11	11	M4	M4	23	23	10	10	4
71	112	23	136	130	97	90	24.5	110	24.5	45	79.5	10	14	11	M5	M4	30	23	12.5	10	5
80 ¹⁾	125	27	154	150	97	100	32	125	32	50	80.5	12.5	19	14	M6	M5	40	30	16	12.5	6
80 ²⁾	125	27	154	150	97	100	32	125	32	50	108	12.5	19	14	M6	M5	40	30	16	12.5	6
90 ³⁾	140	27	170	177	110	100	32	125	32	56	83.5	12.5	24	14	M8	M5	50	30	19	12.5	8
90 ⁴⁾	140	27	170	177	110	125	32	150	32	56	83.5	12.5	24	14	M8	M5	50	30	19	12.5	8
90 ⁵⁾	140	27	170	177	110	125	32	150	32	56	105.5	12.5	24	14	M8	M5	50	30	19	12.5	8
100 ⁶⁾	160	32	200	197	110	140	36	172	36	63	93	16	28	19	M10	M6	60	40	22	16	8
100 ⁷⁾	160	32	200	197	110	140	36	172	36	63	115	16	28	19	M10	M6	60	40	22	16	8
100 ⁸⁾	160	32	200	197	110	140	36	172	36	63	136	16	28	19	M10	M6	60	40	22	16	8
112 ⁹⁾	190	32	230	197	110	140	36	172	36	70	136	16	28	19	M10	M6	60	40	22	16	8
112 ¹⁰⁾	190	41	222	221	160	140	31	168	31	70	123	14	28	19	M10	M8	60	40	22	19	8
112 ¹¹⁾	190	41	222	221	160	140	31	168	31	70	143	14	28	19	M10	M8	60	40	22	19	8

Motor size	FA	G	GA	GB	GC	H	HA	HC	HD	HE	K	KA	L	LC	UB	UC	VA	VB	VC	VD
63	4	8.5	12.5	8.5	12.5	63	7	120	151	50	7	11	214	237	pg11	M16x1.5	31	92	30.5	61.5
71	4	11	16	8.5	12.5	71	9	151	180	63.5	7	11	240	267	M20	M20	35			
80 ¹⁾	5	15.5	21.5	11	16	80	10	164.5	193.5	68	10	14	265.5	300.5	M20	M20	37.5	97	30.5	66.5
80 ²⁾	5	15.5	21.5	11	16	80	10	164.5	193.5	68	10	14	293	328	M20	M20	37.5	97	30.5	66.5
90 ³⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	284.5	319.5	M25	M20	43.5	110	33	67
90 ⁴⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	309.5	344.5	M25	M20	43.5	110	33	67
90 ⁵⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	331.5	366.5	M25	M20	43.5	110	33	67
100 ⁶⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	351	396	M25	M20	46.5	110	33	67
100 ⁷⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	373	418	M25	M20	46.5	110	33	67
100 ⁸⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	393	436	M25	M20	46.5	110	33	67
112 ⁹⁾	6	24	31	15.5	21.5	112	12	221	249	92.5	12	15	393	436	M25	M20	46.5	110	33	67
112 ¹⁰⁾	6	24	31	15.5	21.5	112	12	226	258	92	12	15	390	433	M25	M20	60	160	80	120
112 ¹¹⁾	6	24	31	15.5	21.5	112	12	226	258	92	12	15	410	453	M25	M20	60	160	80	120

Tolerances

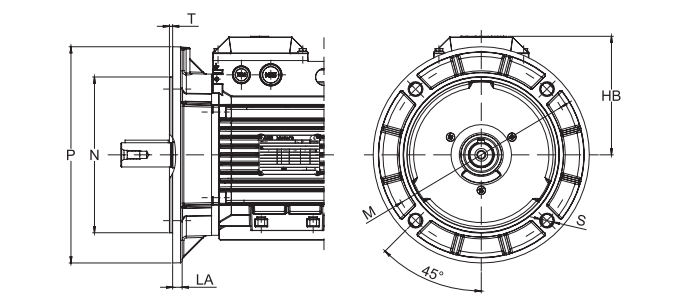
A, B	±0.8
D, DA	ISO j6
F, FA	ISO h9
H	+0 -0.5
N	ISO j6
C, CA	±0.8

Footnotes

- ¹⁾IE2: B-2, C-2, A-4, D-4, A-6, B-6, A-8, B-8, C-8
IE3: B-2, C-2
²⁾IE3: E-4
³⁾IE2: S-8
⁴⁾IE2: L-2, L-8, LB-2, LB-4, LB-6, LB-8
IE3: L-2, LB-2, LB-4, LB-6
⁵⁾IE2: LD-4, LD-6
IE3: LD-4, LD-6
⁶⁾IE2: LB-2, LC-4, LC-6, LA-8, LB-8, LC-8
IE3: LC-4
⁷⁾IE2: LD-4
⁸⁾IE3: LB-2, LC-6, LD-4
⁹⁾IE2: MB-2, MB-4, MB-6, MB-8, M-8
¹⁰⁾IE3: MB-2
¹¹⁾IE3: MB-4

Dimension drawings

Flange-mounted aluminum motors, 63 - 112



Flange-mounted motor, large flange; IM B5 (IM 3001), IM 3002

IM B5 (IM3001), IM 3002

Motor size	HB	LA	M	N	P	S	T
63	103	10	100	80	120	7	3
71	109	9.5	130	110	160	10	3.5
80 ¹⁾	113.5	10	165	130	200	12	3.5
80 ²⁾	113.5	10	165	130	200	12	3.5
90 ³⁾	127	10	165	130	200	12	3.5
90 ⁴⁾	127	10	165	130	200	12	3.5
90 ⁵⁾	127	10	165	130	200	12	3.5
100 ⁶⁾	137	11	215	180	250	15	4
100 ⁷⁾	137	11	215	180	250	15	4
100 ⁸⁾	137	11	215	180	250	15	4
112 ⁹⁾	137	11	215	180	250	15	4
112 ¹⁰⁾	146	11	215	180	250	15	4
112 ¹¹⁾	137	11	215	180	250	15	4

Tolerances	Footnotes
A, B	±0.8
D, DA	ISO j6
F, FA	ISO h9
H	+0 -0.5
N	ISO j6
C, CA	±0.8

¹⁾ **IE2:** B-2, C-2, A-4, D-4, A-6, B-6, A-8, B-8, C-8
IE3: B-2, C-2

²⁾ **IE3:** E-4

³⁾ **IE2:** S-8

⁴⁾ **IE2:** L-2, L-8, LB-2, LB-4, LB-6, LB-8
IE3: L-2, LB-2, LB-4, LB-6

⁵⁾ **IE2:** LD-4, LD-6
IE3: LD-4, LD-6

⁶⁾ **IE2:** LB-2, LC-4, LC-6, LA-8, LB-8, LC-8
IE3: LC-4

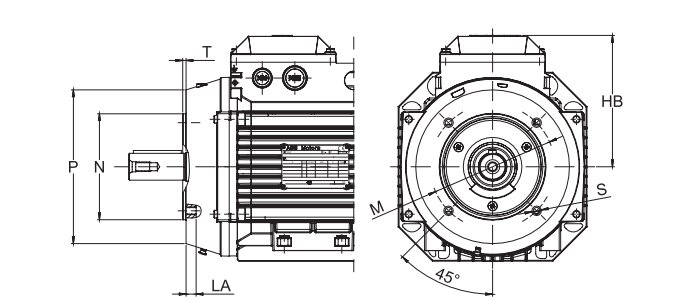
⁷⁾ **IE2:** LD-4

⁸⁾ **IE3:** LB-2, LC-6, LD-4

⁹⁾ **IE2:** MB-2, MB-4, MB-6, MB-8, M-8

¹⁰⁾ **IE3:** MB-2

¹¹⁾ **IE3:** MB-4



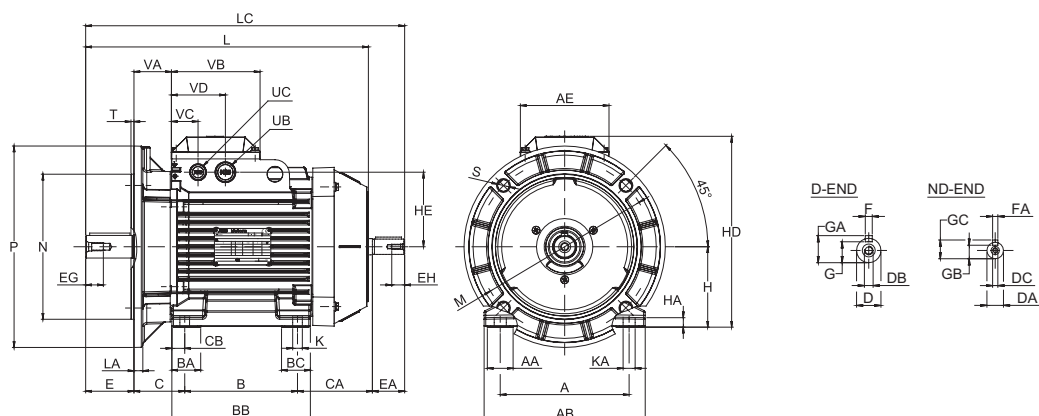
Flange-mounted motor, small flange; IM B14 (IM 3601)

IM B14 (IM 3601), IM 3602

Motor size	HB	LA	M	N	P	S	T
63	103	10	75	60	90	M5	2.5
71	109	11	85	70	105	M6	3
80 ¹⁾	113.5	11	100	80	120	M6	3
80 ²⁾	113.5	11	100	80	120	M6	3
90 ³⁾	127	13	115	95	140	M8	3
90 ⁴⁾	127	13	115	95	140	M8	3
90 ⁵⁾	127	13	115	95	140	M8	3
100 ⁶⁾	137	14	130	110	160	M8	3.5
100 ⁷⁾	137	14	130	110	160	M8	3.5
100 ⁸⁾	137	14	130	110	160	M8	3.5
112 ⁹⁾	137	14	130	110	160	M8	3.5
112 ¹⁰⁾	146	20	130	110	160	M8	3.5
112 ¹¹⁾	137	14	130	110	160	M8	3.5

Dimension drawings

Foot- and flange-mounted aluminum motors, 63 - 112



Foot- and flange-mounted motor; IM B35 (IM 2001), IM 2002, large flange

IM B35 (IM 2001), IM 2002; IM B34 (IM 2101), IM 2102

Motor size	A	AA	AB	AC	AE	B	BA	BB	BC	C	CA	CB	D	DA	DB	DC	E	EA	EG	EH	F
63	100	25	120	120	85	80	32	98	32	40	74	10	11	11	M4	M4	23	23	10	10	4
71	112	23	136	130	97	90	24.5	110	24.5	45	79.5	10	14	11	M5	M4	30	23	12.5	10	5
80 ¹⁾	125	27	154	150	97	100	32	125	32	50	80.5	12.5	19	14	M6	M5	40	30	16	12.5	6
80 ²⁾	125	27	154	150	97	100	32	125	32	50	108	12.5	19	14	M6	M5	40	30	16	12.5	6
90 ³⁾	140	27	170	177	110	100	32	125	32	56	83.5	12.5	24	14	M8	M5	50	30	19	12.5	8
90 ⁴⁾	140	27	170	177	110	125	32	150	32	56	83.5	12.5	24	14	M8	M5	50	30	19	12.5	8
90 ⁵⁾	140	27	170	177	110	125	32	150	32	56	105.5	12.5	24	14	M8	M5	50	30	19	12.5	8
100 ⁶⁾	160	32	200	197	110	140	36	172	36	63	93	16	28	19	M10	M6	60	40	22	16	8
100 ⁷⁾	160	32	200	197	110	140	36	172	36	63	115	16	28	19	M10	M6	60	40	22	16	8
100 ⁸⁾	160	32	200	197	110	140	36	172	36	63	136	16	28	19	M10	M6	60	40	22	16	8
112 ⁹⁾	190	32	230	197	110	140	36	172	36	70	136	16	28	19	M10	M6	60	40	22	16	8
112 ¹⁰⁾	190	41	222	221	160	140	31	168	31	70	123	14	28	19	M10	M8	60	40	22	19	8
112 ¹¹⁾	190	41	222	221	160	140	31	168	31	70	143	14	28	19	M10	M8	60	40	22	19	8

Motor size	FA	G	GA	GB	GC	H	HA	HC	HD	HE	K	KA	L	LC	UB	UC	VA	VB	VC	VD
63	4	8.5	12.5	8.5	12.5	63	7	120	151	50	7	11	214	237	pg11	M16x1.5	31	92	30.5	61.5
71	4	11	16	8.5	12.5	71	9	151	180	63.5	7	11	240	267	M20	M20	35			
80 ¹⁾	5	15.5	21.5	11	16	80	10	164.5	193.5	68	10	14	265.5	300.5	M20	M20	37.5	97	30.5	66.5
80 ²⁾	5	15.5	21.5	11	16	80	10	164.5	193.5	68	10	14	293	328	M20	M20	37.5	97	30.5	66.5
90 ³⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	284.5	319.5	M25	M20	43.5	110	33	67
90 ⁴⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	309.5	344.5	M25	M20	43.5	110	33	67
90 ⁵⁾	5	20	27	11	16	90	10	189	217	82.5	10	14	331.5	366.5	M25	M20	43.5	110	33	67
100 ⁶⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	351	396	M25	M20	46.5	110	33	67
100 ⁷⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	373	418	M25	M20	46.5	110	33	67
100 ⁸⁾	6	24	31	15.5	21.5	100	12	209	237	92.5	12	15	393	436	M25	M20	46.5	110	33	67
112 ⁹⁾	6	24	31	15.5	21.5	112	12	221	249	92.5	12	15	393	436	M25	M20	46.5	110	33	67
112 ¹⁰⁾	6	24	31	15.5	21.5	112	12	226	258	92	12	15	390	433	M25	M20	60	160	80	120
112 ¹¹⁾	6	24	31	15.5	21.5	112	12	226	258	92	12	15	410	453	M25	M20	60	160	80	120

Tolerances

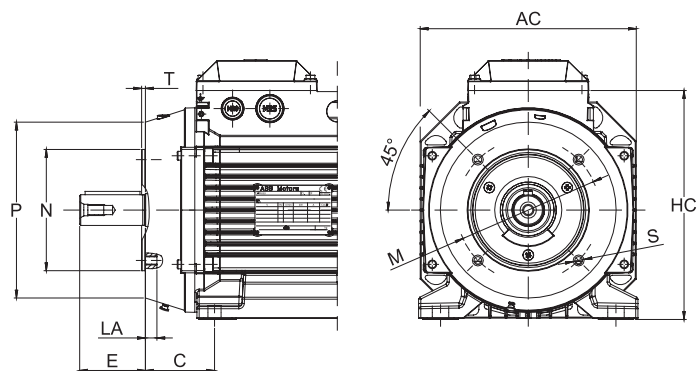
A, B	± 0.8
D, DA	ISO j6
F, FA	ISO h9
H	+0 -0.5
N	ISO j6
C, CA	± 0.8

Footnotes

- ¹⁾IE2: B-2, C-2, A-4, D-4, A-6, B-6, A-8, B-8, C-8
²⁾IE3: B-2, C-2
³⁾IE3: E-4
⁴⁾IE2: S-8
⁵⁾IE2: L-2, L-8, LB-2, LB-4, LB-6, LB-8
⁶⁾IE3: L-2, LB-2, LB-4, LB-6
⁷⁾IE2: LD-4, LD-6
⁸⁾IE3: LD-4, LD-6
⁹⁾IE2: LB-2, LC-4, LC-6, LA-8, LB-8, LC-8
¹⁰⁾IE3: LC-4
¹¹⁾IE2: LD-4
¹²⁾IE3: LB-2, LC-6, LD-4
¹³⁾IE2: MB-2, MB-4, MB-6, MB-8, M-8
¹⁴⁾IE3: MB-2
¹⁵⁾IE3: MB-4

Dimension drawings

Foot- and flange-mounted aluminum motors, 63 - 112



IM B35 (IM 2001), IM 2002

Motor size	HB	LA	M	N	P	S	T
63	103	10	100	80	120	7	3
71	109	9.5	130	110	160	10	3.5
80 ¹⁾	113.5	10	165	130	200	12	3.5
80 ²⁾	113.5	10	165	130	200	12	3.5
90 ³⁾	127	10	165	130	200	12	3.5
90 ⁴⁾	127	10	165	130	200	12	3.5
90 ⁵⁾	127	10	165	130	200	12	3.5
100 ⁶⁾	137	11	215	180	250	15	4
100 ⁷⁾	137	11	215	180	250	15	4
100 ⁸⁾	137	11	215	180	250	15	4
112 ⁹⁾	137	11	215	180	250	15	4
112 ¹⁰⁾	146	11	215	180	250	15	4
112 ¹¹⁾	137	11	215	180	250	15	4

Tolerances

A, B	± 0.8
D, DA	ISO j6
F, FA	ISO h9
H	+0 -0.5
N	ISO j6
C, CA	± 0.8

Footnotes

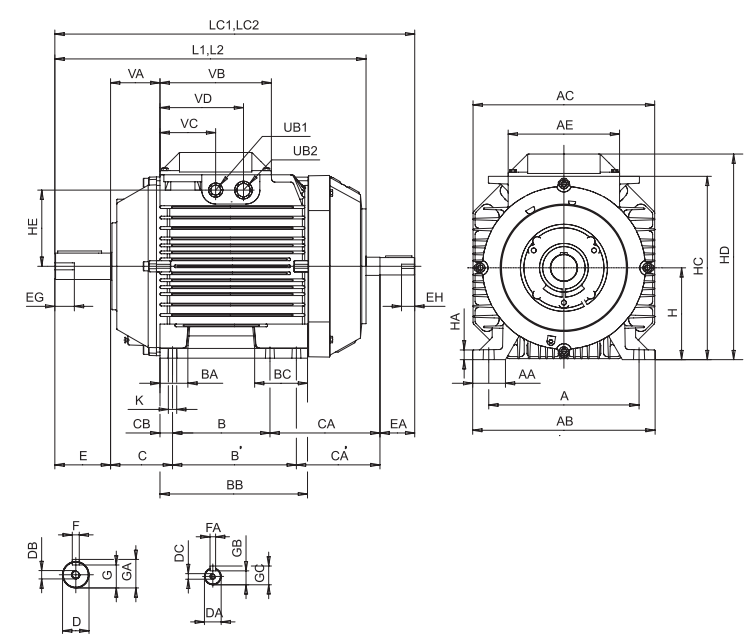
- ¹⁾ IE2: B-2, C-2, A-4, D-4, A-6, B-6, A-8, B-8, C-8
- IE3: B-2, C-2
- ²⁾ IE3: E-4
- IE2: S-8
- ⁴⁾ IE2: L-2, L-8, LB-2, LB-4, LB-6, LB-8
- IE3: L-2, LB-2, LB-4, LB-6
- ⁵⁾ IE2: LD-4, LD-6
- IE3: LD-4, LD-6
- ⁶⁾ IE2: LB-2, LC-4, LC-6, LA-8, LB-8, LC-8
- IE3: LC-4
- ⁷⁾ IE2: LD-4
- IE3: LB-2, LC-6, LD-4
- ⁹⁾ IE2: MB-2, MB-4, MB-6, MB-8, M-8
- ¹⁰⁾ IE3: MB-2
- ¹¹⁾ IE3: MB-4

IM B34 (IM 2101), IM 2102

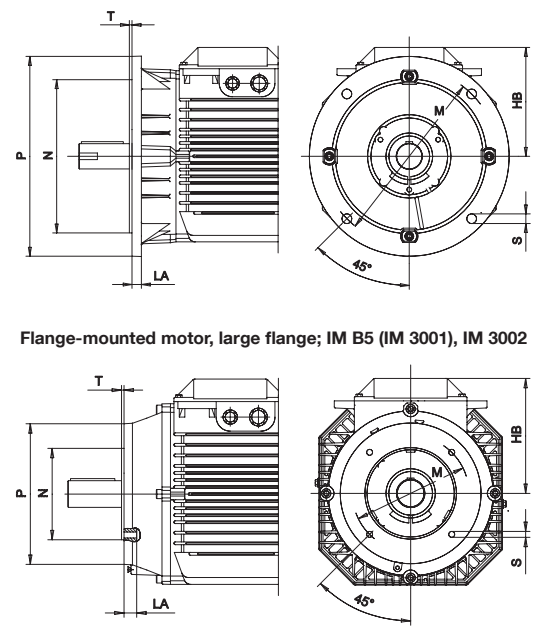
Motor size	HB	LA	M	N	P	S	T
63	103	10	65	50	80	M5	2.5
71	109	11	85	70	105	M6	3
80 ¹⁾	113.5	11	100	80	120	M6	3
80 ²⁾	113.5	11	100	80	120	M6	3
90 ³⁾	127	13	115	95	140	M8	3
90 ⁴⁾	127	13	115	95	140	M8	3
90 ⁵⁾	127	13	115	95	140	M8	3
100 ⁶⁾	137	14	130	110	160	M8	3.5
100 ⁷⁾	137	14	130	110	160	M8	3.5
100 ⁸⁾	137	14	130	110	160	M8	3.5
112 ⁹⁾	137	14	130	110	160	M8	3.5
112 ¹⁰⁾	146	20	130	110	160	M8	3.5
112 ¹¹⁾	137	14	130	110	160	M8	3.5

Dimension drawings

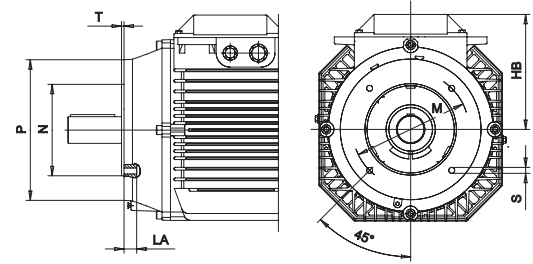
Foot- and flange-mounted aluminum motors, 132



Foot-mounted motor; IM B3 (IM 1001), IM 1002



Flange-mounted motor, large flange; IM B5 (IM 3001), IM 3002



Flange-mounted motor, small flange; IM B14 (IM 3601), IM 3602

IM B3 (IM 1001), IM 1002

Motor size	A	AA	AB	AC	AE	B	B'	BA	BB	BC	C	CA	CA'	CB	D	DA	DB	DC	E	EA	EG	EH	F
132 ¹⁾	216	47	262	261	160	140	178	40	212	76	89	158	120	18	38	24	M12	M8	80	50	28	19	10
132 ²⁾	216	47	262	261	160	140	178	40	212	76	89	178	140	18	38	24	M12	M8	80	50	28	19	10
132 SM_	216	47	262	261	160	140	178	40	212	76	89	261	223	18	38	24	M12	M8	80	50	28	19	10

Motor size	FA	G	GA	GB	GC	H	HA	HC	HD	HE	K	KA	L	LC	UB1	UB2	UD	VA	VB	VC	VD	VE
132 ¹⁾	8	33	41	20	27	132	14	263.5	295.5	109.5	12	15	447	517	M20	M25	-	71	160	80	120	
132 ²⁾	8	33	41	20	27	132	14	263.5	295.5	109.5	12	15	487	537	M20	M25	-	71	160	80	120	
132 SM_	8	33	41	20	27	132	14	287	321	123.5	12	15	550	620	M40	M32	M12	71	160	42	102	136

IM B5 (IM 3001), IM 3002

Motor size	HB	LA	M	N	P	S	T
132 ¹⁾	163.5	14	265	230	300	14.5	4
132 ²⁾	163.5	14	265	230	300	14.5	4
132 SM_	189	14	265	230	300	14.5	4

IM B14 (IM 3601), 3602

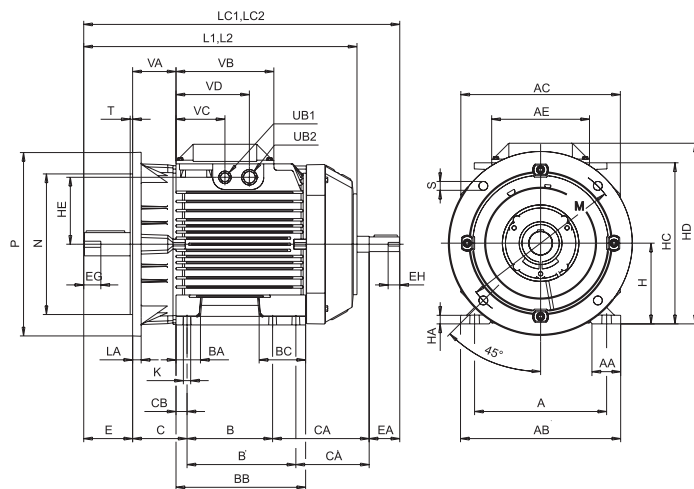
Motor size	HB	LA	M	N	P	S	T
132 ¹⁾	163.5	14.5	165	130	200	M10	3.5
132 ²⁾	163.5	14.5	165	130	200	M10	3.5
132 SM_	189	14.5	165	130	200	M10	3.5

Tolerances	Footnotes
A, B	ISO js14
C, CA	+2 -2
D	ISO k6
DA	ISO j6
F, FA	ISO h9
H	+0 -0.5
N	ISO j6

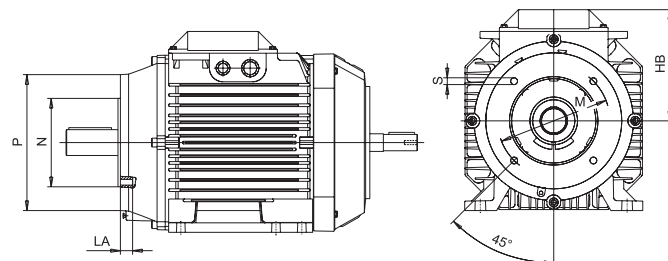
¹⁾ IE2: SB-2, M-4, MA-4, MBA-4
IE3: M-4, MA-4, S-6
²⁾ IE2: SC-2, MC-6
IE3: SB-2, SC-2, MA-6, MC-6

Dimension drawings

Foot- and flange-mounted aluminum motors, 132



Foot- and flange-mounted motor; IM B35 (IM 2001), IM 2002, large flange



Foot- and flange-mounted motor; IM B34 (IM 2101), IM 2102, small flange

IM B3 (IM 2001), IM 2002

Motor size	A	AA	AB	AC	AE	B	B'	BA	BB	BC	C	CA	CA'	CB	D	DA	DB	DC	E	EA	EG	EH	F
132 1)	216	47	262	261	160	140	178	40	212	76	89	158	120	18	38	24	M12	M8	80	50	28	19	10
132 2)	216	47	262	261	160	140	178	40	212	76	89	178	140	18	38	24	M12	M8	80	50	28	19	10
132 SM_	216	47	262	261	160	140	178	40	212	76	89	261	223	18	38	24	M12	M8	80	50	28	19	10

Motor size	FA	G	GA	GB	GC	H	HA	HC	HD	HE	K	KA	L	LC	UB1	UB2	UD	VA	VB	VC	VD	VE
132 1)	8	33	41	20	27	132	14	263.5	295.5	109.5	12	15	447	517	M20	M25	-	71	160	80	120	
132 2)	8	33	41	20	27	132	14	263.5	295.5	109.5	12	15	487	537	M20	M25	-	71	160	80	120	
132 SM_	8	33	41	20	27	132	14	287	321	123.5	12	15	550	620	M40	M32	M12	71	160	42	102	136

IM B35 (IM 2001)

IM B34 (IM 2101)

Motor size	HB	LA	M	N	P	S	T	Motor size	HB	LA	M	N	P	S	T
132 ¹⁾	163.5	14	265	230	300	14.5	4	132 ¹⁾	163.5	14.5	165	130	200	M10	3.5
132 ²⁾	163.5	14	265	230	300	14.5	4	132 ²⁾	163.5	14.5	165	130	200	M10	3.5
132 SM_	189	14	265	230	300	14.5	4	132 SM_	189	14.5	165	130	200	M10	3.5

Tolerances

Footnotes

A, B	ISO js14	¹⁾ IE2: SB-2, M-4, MA-4, MBA-4
C, CA	+2 -2	IE3: M-4, MA-4, S-6
D	ISO k6	²⁾ IE2: SC-2, MC-6
DA	ISO j6	IE3: SB-2, SC-2, MA-6, MC-6
F, FA	ISO h9	
H	+0 -0.5	
N	ISO j6	