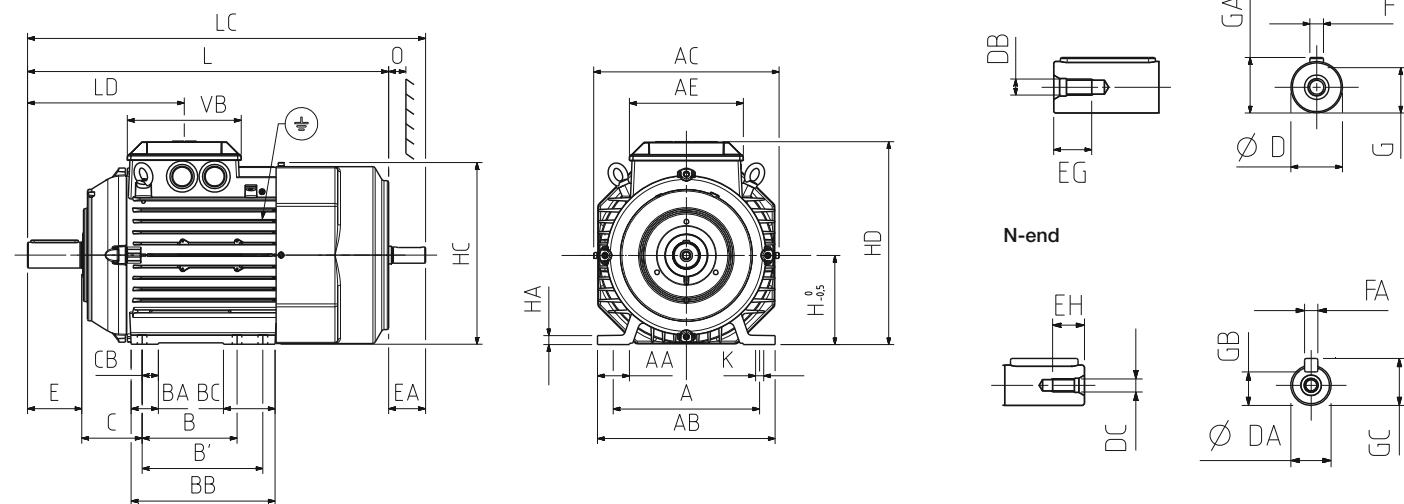


Dimension drawings

Foot-mounted cast iron motors, 71 - 132



Mounting options IM B3 (IM 1001), IM B6 (IM 1051), IM B7 (IM 1061), IM B8 (IM 1071), IM V5 (IM 1011), IM V6 (IM 1031)

Motor size	A	AA	AB	AC	AE	B	B'	BA	BB	BC	C	CB	D-Tol.	DA	DB	DC	E
71 M ₁	112	24	136	139	105	90	-	24	110	24	45	10	14-j6	11	M5	M4	30
71 ML ₁	112	24	136	139	105	90	-	24	110	24	45	10	14-j6	11	M5	M4	30
80 M ₁	125	28	154	157	105	100	-	28	124	28	50	12	19-j6	14	M6	M5	40
80 ML ₁	125	28	154	157	105	100	112	28	136	40	50	12	19-j6	14	M6	M5	40
90 SL ₁	140	30	170	177	118	100	125	28	150	54	56	12	24-j6	14	M8	M5	50
90 L ₁	140	30	170	177	118	100	125	28	150	54	56	12	24-j6	14	M8	M5	50
100 L ₁	160	38	200	197	118	140	-	34	172	34	63	16	28-j6	19	M10	M6	60
100 ML ₁	160	38	200	197	118	140	-	34	172	34	63	16	28-j6	19	M10	M6	60
100 LK ₁	160	38	200	197	118	140	160	34	192	54	63	16	28-j6	19	M10	M6	60
IE2 112	190	41	230	197	110	140	-	34	172	34	70	16	28-j6	19	M10	M6	60
IE3 112	190	41	230	239	168	140	-	34	170	34	70	14	28-j6	19	M10	M6	60
132	216	47	262	273	168	140	178	40	212	76	89	16	38-k6	24	M12	M8	80

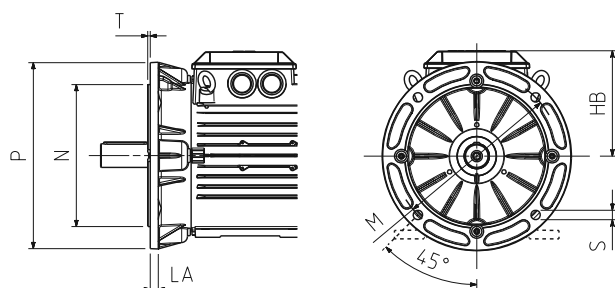
Motor size	EA	EG	EH	F	FA	G	GA	GB	GC	H	HA	HC	HD	K	L	LD	O	VB
71 M ₁	23	12.5	10	5	4	11	16	8.5	12.5	71	9	139	178	7	264	112	20	105
71 ML ₁	23	12.5	30	5	4	11	16	8.5	12.5	71	9	139	178	7	294	112	20	105
80 M ₁	30	16	12.5	6	5	15.5	21.5	11	16	80	10	157	194	10	331	126	20	105
80 ML ₁	30	16	12.5	6	5	15.5	21.5	11	16	80	10	157	194	10	363	126	20	105
90 SL ₁	30	19	12.5	8	5	20	27	11	16	90	10	178	218	10	356	151	20	118
90 L ₁	30	19	12.5	8	5	20	27	11	16	90	10	178	218	10	390	151	20	118
100 L ₁	40	22	16	8	6	24	31	15.5	21.5	100	12	198	247	12	381	164	25	118
100 ML ₁	40	22	16	8	6	24	31	15.5	21.5	100	12	198	247	12	403	164	25	118
100 LK ₁	40	22	16	8	6	24	31	15.5	21.5	100	12	198	247	12	435	164	25	118
IE2 112	40	22	16	8	6	24	31	16	22	112	12	197	259	12	403	164	25	168
IE3 112	40	22	16	8	6	24	31	16	22	112	12	223	258	12	442	200	25	168
132	50	28	19	10	8	33	41	20	27	132	13	268	300	12	532	231	30	168

Tolerances

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

Dimension drawings

Flange- and foot & flange mounted cast iron motors, 71 – 132



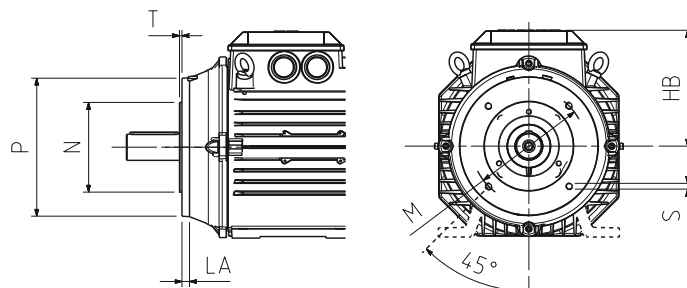
Mounting options IM B5 (IM 3001), V1 (IM 3011), V3 (IM 3031), IM B35 (IM 2001), IM V15 (IM 2011), IM V36 (IM 2031)

Large flange

Motor size	HB	LA	M	N	P	S	T
71	108	9	130	110	160	10	3.5
80	114	10	165	130	200	12	3.5
90	128	10	165	130	200	12	3.5
100	147	11	215	180	250	15	4
IE2 112	148	11	215	180	250	15	4
IE3 112	146	11	215	180	250	15	4
132	168	12.5	265	230	300	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



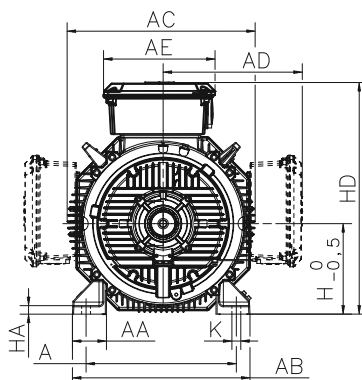
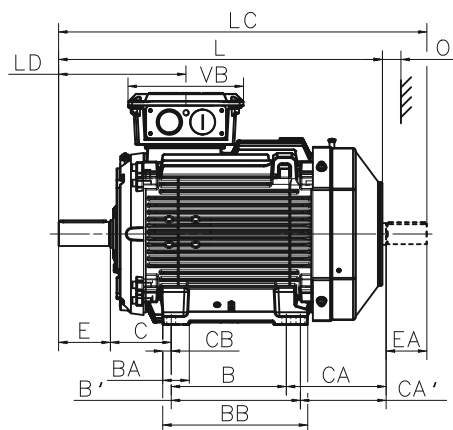
Mounting options IM B14 (IM 3601), V18 (IM 3611), V19 (IM 3631), IM B34 (IM 2101), V17 (IM 2111)

Small flange

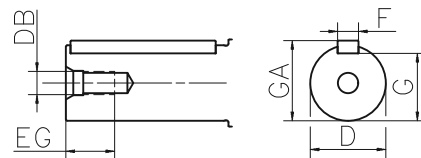
Motor size	HB	LA	M	N	P	S	T
71	108	8	85	70	105	M6	2.5
80	114	8	100	80	120	M6	3
90	128	10	115	95	140	M8	3
100	147	10	130	110	160	M8	3.5
IE2 112	148	10	130	110	160	M8	3.5
IE3 112	146	14	130	110	160	M8	3.5
132	168	12	165	130	200	M10	3.5

Dimension drawings

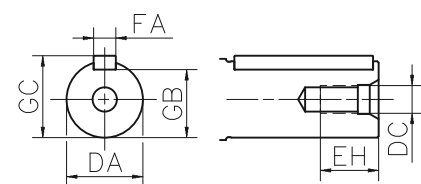
Foot-mounted cast iron motors, 160 - 250



D-end



N-end



Mounting options IM B3 (IM 1001), IM B6 (IM 1051), IM B7 (IM 1061), IM B8 (IM 1071), IM V5 (IM 1011), IM V6 (IM 1031)

Motor size	Poles	A	AA	AB	AC	AD	AE	B	B'	BA	BB	C	CA	CA'	CB	D	DA	DB	DC	E
160 ¹⁾	2-8	254	67	310	338	261	257	210	254	69	294	108	164	126	20	42	32	M16	M12	110
160 ²⁾	2-8	254	67	310	338	261	257	210	254	69	294	108	262	224	20	42	32	M16	M12	110
180	2-8	279	67	340	381	281	257	241	279	68	317	121	263	225	19	48	32	M16	M12	110
200	2-8	318	69	378	413	328	300	267	305	80	345	133	314	276	20	55	45	M20	M16	110
225	2	356	84	435	460	348	300	286	311	69	351	149	314	289	20	55	55	M20	M20	110
225	4-8	356	84	435	460	348	300	286	311	69	351	149	314	289	20	60	55	M20	M20	140
250	2	406	92	480	508	376	300	311	349	69	392	168	281	243	23	60	55	M20	M20	140
250	4-8	406	92	480	508	376	300	311	349	69	392	168	281	243	23	65	55	M20	M20	140

Motor size	Poles	EA	EG	EH	F	FA	G	GA	GB	GC	H	HA	HD	K	L	LC	LD	O	VB
160 ¹⁾	2-8	80	36	28	12	10	37	45	27	35	160	23	421	14.5	584	671.5	287.5	45	257
160 ²⁾	2-8	80	36	28	12	10	37	45	27	35	160	23	421	14.5	681	768.5	287.5	45	257
180	2-8	80	36	28	14	10	42.5	51.5	27	35	180	23	461	14.5	726	815	300.5	50	257
200	2-8	110	42	36	16	14	49	59	39.5	48.5	200	23	528	18.5	821	934	320.5	70	311
225	2	110	42	42	16	16	49	59	49	59	225	23	573	18.5	849	971	313.5	80	311
225	4-8	110	42	42	18	16	53	64	49	59	225	23	573	18.5	879	1001	343.5	80	311
250	2	110	42	42	18	16	53	64	49	59	250	23	626	24.0	884	1010	343.5	90	311
250	4-8	110	42	42	18	16	58	69	49	59	250	23	626	24.0	884	1010	343.5	90	311

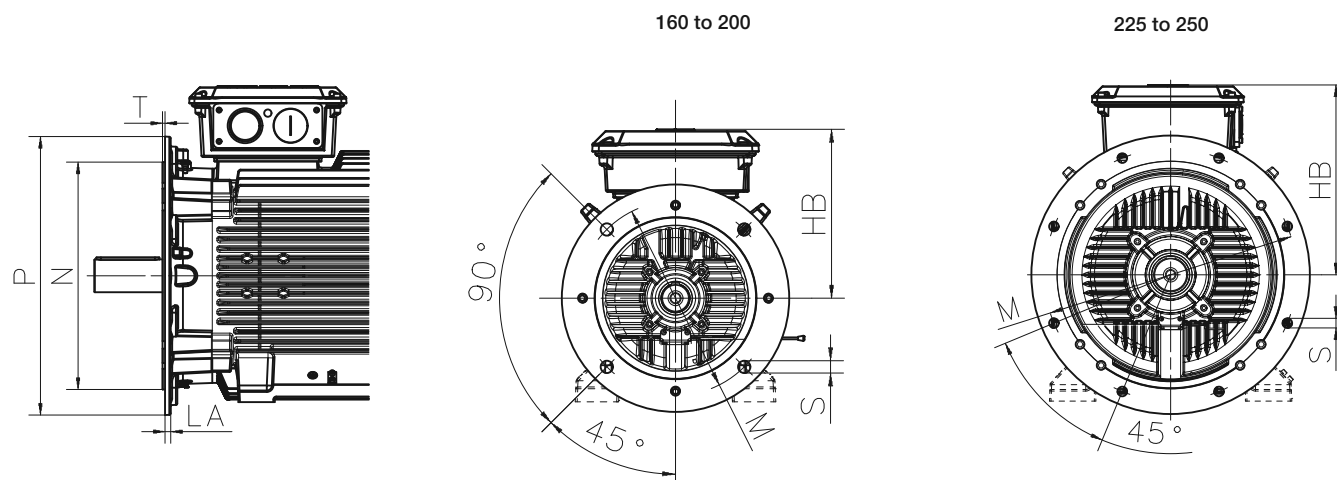
Tolerances	Footnotes
A, B	ISO js14
C, CA	± 0.8
D, DA	ISO k6 < Ø 50 mm ISO m6 > Ø 50 mm
F, FA	ISO h9
H	+0 -0.5

M3BP IE2:
¹⁾MLA, MLB 2 and 8
²⁾MLB 4-6, MLC 4-8, MLD, MLE, MLC 2

M3BP IE3:
¹⁾MLA 2 only
²⁾All others

Dimension drawings

Flange- and foot & flange mounted cast iron motors, 160 - 250



Mounting options IM B5 (IM 3001), V1 (IM 3011), V3 (IM 3031), IM B35 (IM 2001), IM V15 (IM 2011), IM V36 (IM 2031)

Motor size	Poles	HB	LA	M	N	P	S	T
160 ¹⁾	2-8	261	20	300	250	350	19	5
160 ²⁾	2-8	261	20	300	250	350	19	5
180	2-8	281	15	300	250	350	19	5
200	2-8	328	20	350	300	400	19	5
225	2	348	20	400	350	450	19	5
225	4-8	325	20	400	350	450	19	5
250	2	376	24	500	450	550	19	5
250	4-8	376	24	500	450	550	19	5

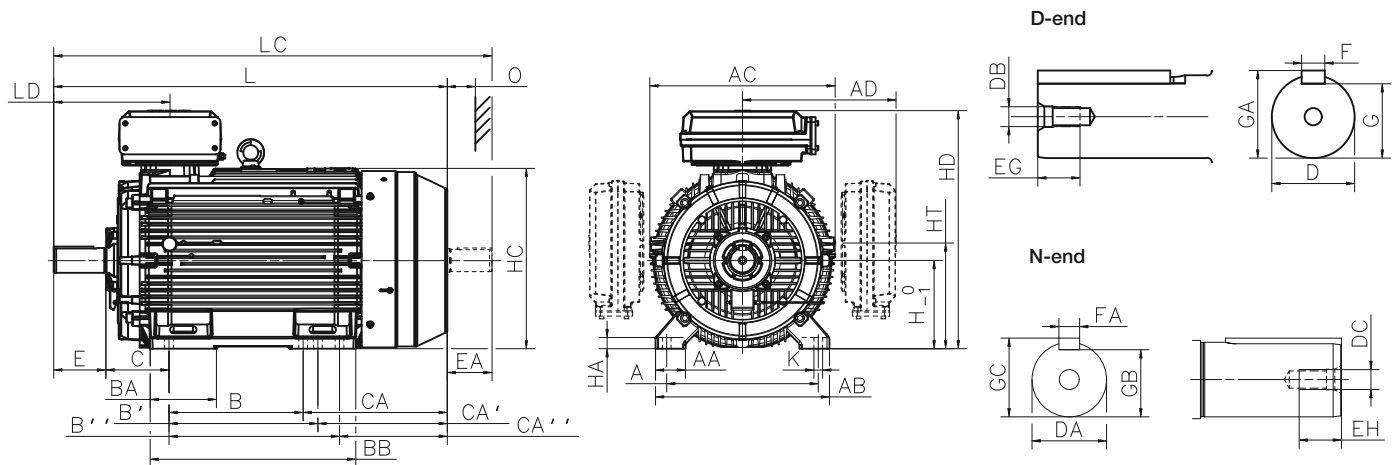
Tolerances	Footnotes
A, B	ISO js14
C, CA	± 0.8
D, DA	ISO k6 < Ø 50 mm ISO m6 > Ø 50 mm
F, FA	ISO h9
H	+0 -0.5
N	ISO j6

M3BP IE2:
¹⁾MLA, MLB 2 and 8
²⁾MLB 4-6, MLC 4-8, MLD, MLE, MLC 2

M3BP IE3:
¹⁾MLA 2 only
²⁾All others

Dimension drawings

Foot-mounted cast iron motors, 280 - 315



Mounting options IM B3 (IM 1001), IM B6 (IM 1051), IM B7 (IM 1061), IM B8 (IM 1071), IM V5 (IM 1011), IM V6 (IM 1031)

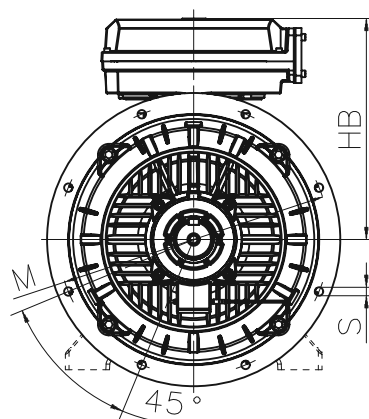
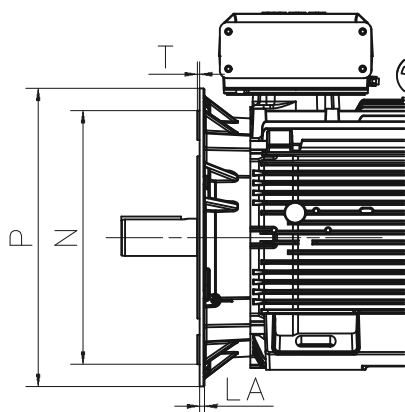
Motor size	Poles	A	AA	AB	AC	AD ¹⁾	AD ²⁾	B	B'	B''	BA	BB	C	CA	CA'	CA''	D	DA	DB	DC	E
280 SM ₋	2	457	84	530	577	481	-	368	419	-	147	506	190	400	349	-	65	60	M20	M20	140
	4-12	457	84	530	577	481	-	368	419	-	147	506	190	400	349	-	75	65	M20	M20	140
280 ML ₋	2	457	84	530	577	-	504	419	457	-	193	608	190	400	349	-	65	60	M20	M20	140
	4-12	457	84	530	577	481	504	419	457	-	193	608	190	400	349	-	75	65	M20	M20	140
315 SM ₋	2	508	100	590	654	545	-	406	457	-	180	558	216	420	369	-	65	60	M20	M20	140
	4-12	508	100	590	654	545	-	406	457	-	180	558	216	420	369	-	80	75	M20	M20	170
315 ML ₋	2	508	100	590	654	545	-	457	508	-	212	669	216	480	429	-	65	60	M20	M20	140
	4-12	508	100	590	654	545	-	457	508	-	212	669	216	480	429	-	90	75	M24	M20	170
315 LK ₋	2	508	100	590	654	562	576	508	560	710	336	851	216	635	583	433	65	60	M20	M20	140
	4-12	508	100	590	654	562	576	508	560	710	336	851	216	635	583	433	90	75	M24	M20	170

Motor size	Poles	EA	EG	EH	F	FA	G	GA	GB	GC	H	HA	HC	HD ¹⁾ top-m.	HD ²⁾ top-m.	HT	K	L	LC	LD top-m.	LD side-m.	O
280 SM ₋	2	140	40	40	18	18	58	69	53	64	280	31	564	762	-	337.5	24	1088	1238	336	539	100
	4-12	140	40	40	20	18	67.5	79.5	58	69	280	31	564	762	-	337.5	24	1088	1238	336	539	100
280 ML ₋	2	140	40	40	18	18	58	69	53	64	280	31	564	-	785	337.5	24	1189	1340	336	590	100
	4-12	140	40	40	20	18	67.5	79.5	58	69	280	31	564	762	785	337.5	24	1189	1340	336	590	100
315 SM ₋	2	140	40	40	18	18	58	69	53	64	315	40	638	852	-	375	28	1174	1322	356	585	115
	4-12	140	40	40	22	20	71	85	67.5	79.5	315	40	638	852	-	375	28	1204	1352	386	615	115
315 ML ₋	2	140	40	40	18	18	58	69	53	64	315	40	638	852	-	375	28	1285	1433	356	640	115
	4-12	140	48	40	25	20	81	95	67.5	79.5	315	40	638	852	-	375	28	1315	1463	386	670	115
315 LK ₋	2	140	40	40	18	18	58	69	53	64	315	40	638	852	880	359	28	1491	1639	356	721	115
	4-12	140	48	40	25	20	81	95	67.5	79.5	315	40	638	852	880	359	28	1521	1669	386	751	115

Tolerances		Footnotes
A, B	± 0.8	¹⁾ Terminal box 370
C, CA	± 0.8	²⁾ Terminal box 750
D	ISO k6 < Ø 50 mm ISO m6 > Ø 50 mm	
F	ISO h9	
H	+ 0 -0.5	
N	ISO j6	

Dimension drawings

Flange- and foot & flange mounted cast iron motors, 280 - 315



Mounting options IM B5 (IM 3001)V1, (IM 3011), V3 (IM 3031), IM B35 (IM 2001), IM V15 (IM 2011), IM V36 (IM 2031)

Motor size	Poles	HB ¹⁾	HB ²⁾	LA	M	N	P	S	T
280 SM_	2	482	-	23	500	450	550	18	5
	4-12	482	-	23	500	450	550	18	5
280 ML_	2	-	505	23	500	450	550	18	5
	4-12	482	505	23	500	450	550	15	5
315 SM_	2	537	-	25	600	550	660	23	6
	4-12	537	-	25	600	550	660	23	6
315 ML_	2	537	-	25	600	550	660	23	6
	4-12	537	-	25	600	550	660	23	6
315 LK_	2	537	565	25	600	550	660	23	6
	4-12	537	565	25	600	550	660	23	6

Tolerances

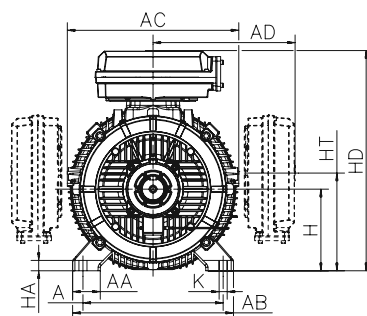
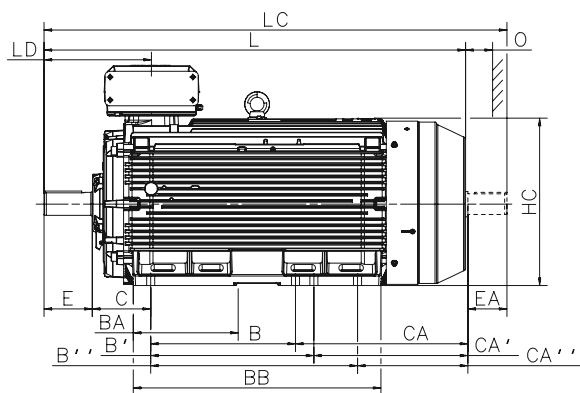
A, B	± 0.8
D	ISO j6
F	ISO h9
H	+0 - 0.1
N	ISO j6 (280 SM_)
	ISO js6 (315_)
C	± 0.8

Footnotes

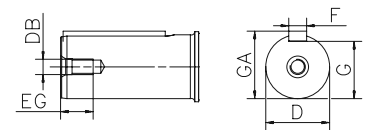
- ¹⁾ Terminal box 370
²⁾ Terminal box 750

Dimension drawings

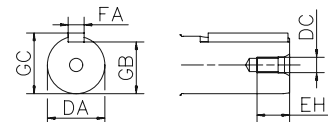
Foot-mounted cast iron motors, 355 - 450



D-end



N-end



Mounting options IM B3 (IM 1001), IM B6 (IM 1051), IM B7 (IM 1061), IM B8 (IM 1071), IM V5 (IM 1011), IM V6 (IM 1031)

Motor size	Poles	A	AA	AB	AC	AD ¹⁾	AD ²⁾	B	B'	B''	BA	BB	C	CA	CA'	CA''	D	DA	DB	DC	E	EA	EG	EH
355 SM ₋	2	610	120	700	746	604	618	500	560	-	221	722	254	525	465	-	70	70	M20	M20	140	140	42	40
	4-12	610	120	700	746	604	618	500	560	-	221	722	254	525	465	-	100	90	M24	M24	210	170	51	48
355 ML ₋	2	610	120	700	746	604	618	560	630	-	267	827	254	500	570	-	70	70	M20	M20	140	140	42	40
	4-12	610	120	700	746	604	618	560	630	-	267	827	254	500	570	-	100	90	M24	M24	210	170	51	48
355 LK ₋	2	610	120	700	746	604	618	630	710	900	447	1077	254	750	670	480	70	70	M20	M20	140	140	42	40
	4-12	610	120	700	746	604	618	630	710	900	447	1077	254	750	670	480	100	90	M24	M24	210	170	51	48
400 L ₋	2	710	150	840	834	-	660	900	1000	-	410	1156	224	567	467	-	80	70	M20	M20	170	140	42	40
	4-12	710	150	840	834	-	660	900	1000	-	410	1156	224	567	467	-	110	90	M24	M24	210	170	50	50
400 LK ₋ ⁵⁾	2	686	150	840	834	-	660	710	800	900	410	1156	280	701	611	511	80	70	M20	M20	170	140	42	40
	4-12	686	150	840	834	-	660	710	800	900	410	1156	280	701	611	511	100	90	M24	M24	210	170	50	50
450	2	800	160	950	966	-	-	1000	1120	1250	450	1420	250	-	-	-	80	-	M20	-	170	-	-	-
	4-12	800	160	950	966	-	-	1000	1120	1250	450	1420	250	737	617	487	120	100	M24	M24	210	210	50	50

Motor size	Poles	F	FA	G	GA	GB	GC	H	HA	HC	HD ¹⁾ top-	HD ²⁾ top-	HD ³⁾ top-	HD ⁴⁾ side-m.	HT	K	L	LC	LD ¹⁾ top-	LD ²⁾ top-	LD ³⁾ top-	LD ³⁾ side-m.	O
355 SM ₋	2	20	20	62.5	74.5	62.5	74.5	355	45	725	944	958	-	843	425	35	1409	1559	397	397	-	679	130
	4-12	28	25	90	106	81	95	355	45	725	944	958	-	843	425	35	1479	1659	467	467	-	750	130
355 ML ₋	2	20	20	62.5	74.5	62.5	74.5	355	45	725	944	958	-	843	425	35	1514	1664	397	397	-	732	130
	4-12	28	25	90	106	81	95	355	45	725	944	958	-	843	425	35	1584	1764	467	467	-	802	130
355 LK ₋	2	20	20	62.5	74.5	62.5	74.5	355	45	725	944	958	-	843	425	35	1764	1914	397	397	-	857	130
	4-12	28	25	90	106	81	95	355	45	725	944	958	-	843	425	35	1834	2014	467	467	-	927	130
400 L ₋	2	22	20	71	85	67.5	79.5	400	45	814	-	1045	-	943	477	35	1851	2001	458	458	-	909	150
	4-12	28	25	100	116	81	95	400	45	814	-	1045	-	943	477	35	1891	2071	498	498	-	949	150
400 LK ₋ ⁵⁾	2	22	20	71	85	67.5	79.5	400	45	814	-	1045	-	943	477	35	1851	2001	458	458	-	909	150
	4-12	28	25	90	106	81	95	400	45	814	-	1045	-	943	477	35	1891	2071	498	498	-	949	150
450	2	22	-	71	85	-	-	450	46	933	-	1169	1293	-	-	42	2147	-	-	485	520	-	180
	4-12	32	28	109	127	100	116	450	46	933	-	1169	1293	-	-	42	2187	2407	-	525	560	-	180

Tolerances

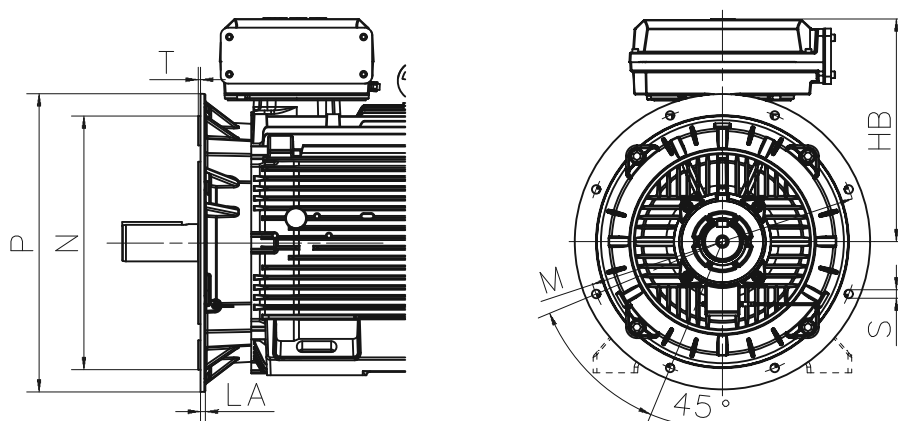
A, B	± 0.8
D, DA	ISO m6
F, FA	ISO h9
H	+0 -0.1
N	ISO j6
C, CA	± 0.8

Footnotes

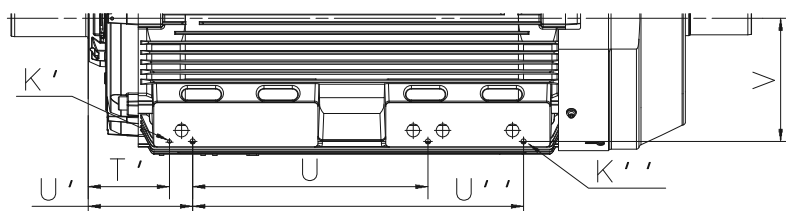
- ¹⁾ Terminal box 370
- ²⁾ Terminal box 750
- ³⁾ Terminal box 1200
- ⁴⁾ Lifting lugs included
- ⁵⁾ Same electrical values as with 400 L₋, alternative dimensions.

Dimension drawings

Flange- and foot & flange mounted cast iron motors, 355 - 450



Bottom view



Mounting options IM B5 (IM 3001), V1 (IM 3011), V3 (IM 3031), IM B35 (IM 2001), IM V15 (IM 2011), IM V36 (IM 2031)

Flange

Motor size	Poles	HB ¹⁾	HB ²⁾	HB ³⁾	LA	M	N	P	S	T
355 SM_	2	589	603	-	25	740	680	800	23	6
	4-12	589	603	-	25	740	680	800	23	6
355 ML_	2	589	603	-	25	740	680	800	23	6
	4-12	589	603	-	25	740	680	800	23	6
355 LK_	2	589	603	-	25	740	680	800	23	6
	4-12	589	603	-	25	740	680	800	23	6
400 L_	2	-	645	-	26	940	880	1000	28	6
	4-12	-	645	-	26	940	880	1000	28	6
400 LK_ ⁴⁾	2	-	645	-	26	740	680	800	24	6
	4-12	-	645	-	26	740	680	800	24	6
450	2	-	719	843	33	1080	1000	1150	28	6
	4-12	-	719	843	33	1080	1000	1150	28	6

Bottom

Motor size	Poles	K'	K''	T'	U	U'	U''	V
355 SM_	2	10	M16	120	280	560	-	670
	4-12	10	M16	120	282	560	-	670
355 ML_	2	10	M16	120	282	630	-	670
	4-12	10	M16	120	282	630	-	670
355 LK_	2	10	M16	120	282	630	890	670
	4-12	10	M16	120	282	630	890	670
400 L_	2	10	M16	248	287	887	-	802
	4-12	10	M16	248	287	887	-	802
400 LK_ ⁴⁾	2	10	M16	248	287	748	916	802
	4-12	10	M16	248	287	748	916	802
450	2	10	M16	274	290	861	-	912
	4-12	10	M16	274	323	841	-	912

Tolerances

A, B	± 0.8
D, DA	ISO m6
F, FA	ISO h9
H	+0 -1.0
N	ISO js6
C, CA	± 0.8

Footnotes

- ¹⁾ Terminal box 370
- ²⁾ Terminal box 750
- ³⁾ Terminal box 1200
- ⁴⁾ Same electrical values as with 400 L_, alternative dimensions.