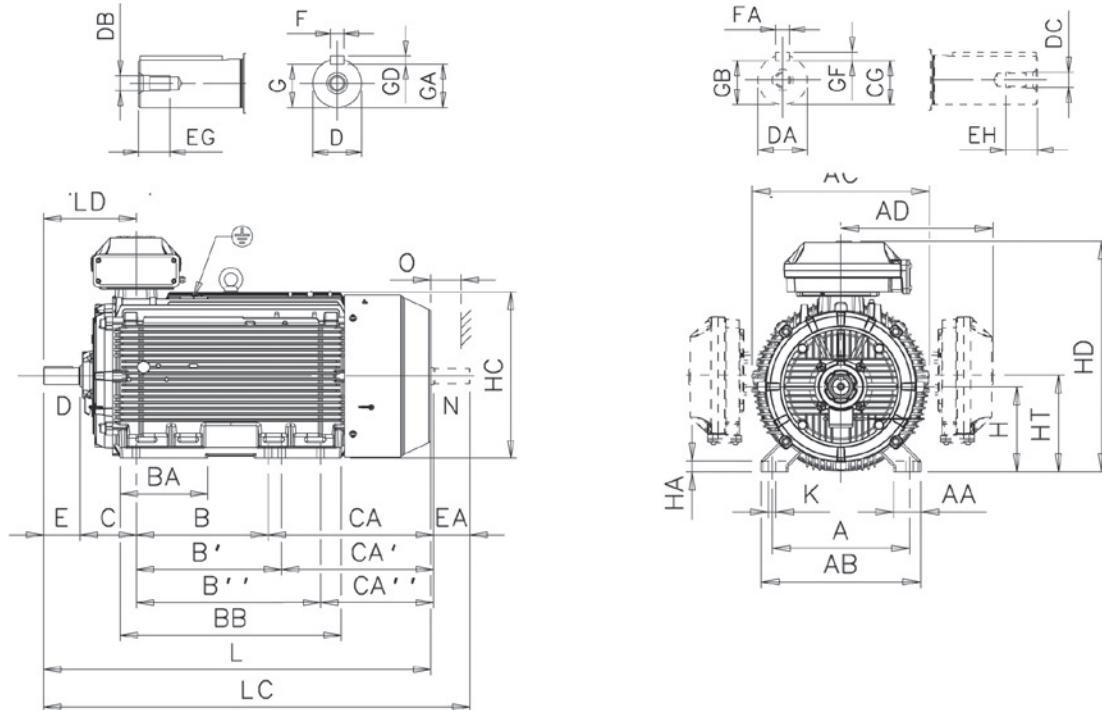


LV Process performance cast iron motors and premium efficiency motors

Sizes 280-315

Dimension drawings

Foot-mounted: 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
280 SM_	2	457	84	530	577	481	-	368	419	-	147	506	190	400	349	-	65	60	M20	M20	140	140	40	40
	4-12	457	84	530	577	481	-	368	419	-	147	506	190	400	349	-	75	65	M20	M20	140	140	40	40
315 SM_	2	508	100	590	654	545	-	406	457	-	180	558	216	420	369	-	65	60	M20	M20	140	140	40	40
	4-12	508	100	590	654	545	-	406	457	-	180	558	216	420	369	-	80	75	M20	M20	170	140	40	40
315 ML_	2	508	100	590	654	545	-	457	508	-	212	669	216	480	429	-	65	60	M20	M20	140	140	40	40
	4-12	508	100	590	654	545	-	457	508	-	212	669	216	480	429	-	90	75	M24	M20	170	140	48	40
315 LK_	2	508	100	590	654	562	576	508	560	710	336	851	216	635	583	433	65	60	M20	M20	140	140	40	40
	4-12	508	100	590	654	562	576	508	560	710	336	851	216	635	583	433	90	75	M24	M20	170	140	48	40

Motor size	Poles	F	FA	G	GA	GB	GC	GD	GF	H	HA	HC	HD ¹⁾	HD ²⁾	HT	K	L	LC	LD	LD O	O
		top-m.		top-m.		top-m.		side-m.		side-m.		side-m.		side-m.		side-m.		side-m.		side-m.	
280 SM_	2	18	18	58	69	53	64	11	11	280	31	564	762	-	337.5	24	1088	1238	336	539	100
	4-12	20	18	67.5	79.5	58	69	12	11	280	31	564	762	-	337.5	24	1088	1238	336	539	100
315 SM_	2	18	18	58	69	53	64	11	11	315	40	638	852	-	375	28	1174	1322	356	585	115
	4-12	22	20	71	85	67.5	79.5	14	12	315	40	638	852	-	375	28	1204	1352	386	615	115
315 ML_	2	18	18	58	69	53	64	11	11	315	40	638	852	-	375	28	1285	1433	356	640	115
	4-12	25	20	81	95	67.5	79.5	14	12	315	40	638	852	-	375	28	1315	1463	386	670	115
315 LK_	2	18	18	58	69	53	64	11	11	315	40	638	870	880	359	28	1491	1639	356	721	115
	4-12	25	20	81	95	67.5	79.5	14	12	315	40	638	852	880	359	28	1521	1669	386	751	115

Tolerances:

A, B	± 0,8
C, CA	± 0,8
D	ISO k6 < Ø 50mm ISO m6 > Ø 50mm
F	ISO h9
H	+0 -0,5
N	ISO j6

¹⁾ Terminal box 370

²⁾ Terminal box 750

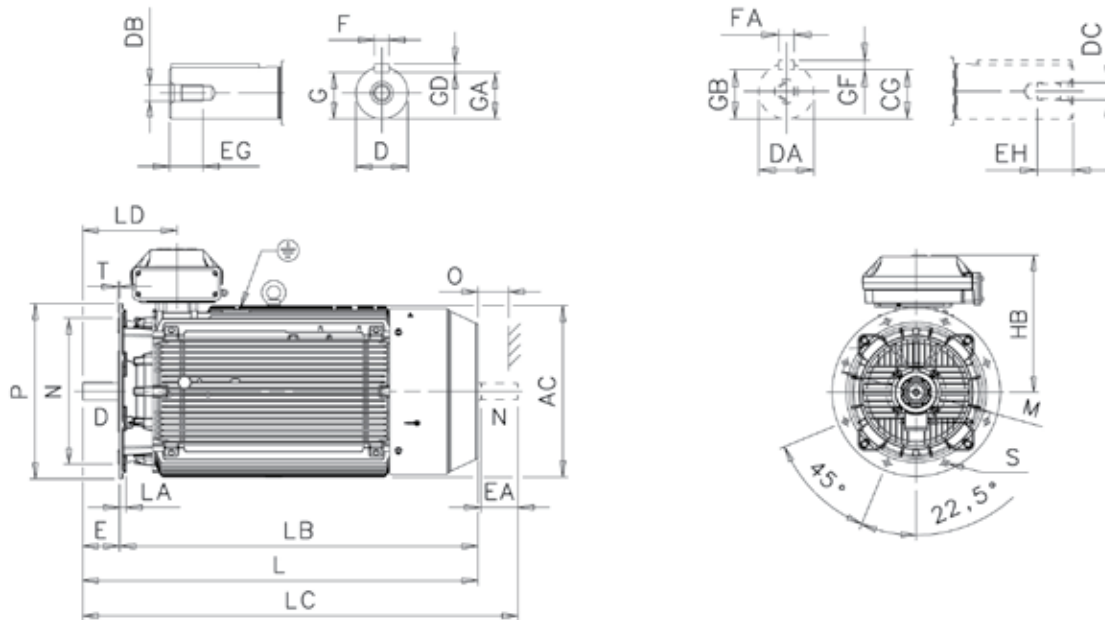
Above table gives the main dimensions in mm.
For detailed drawings please see our web-pages
'www.abb.com/motors&generators' or contact ABB.

LV Process performance cast iron motors and premium efficiency motors

Sizes 280-315

Dimension drawings

Flange-mounted; IM B5 (IM3001) , V1 (IM3011), V3 (IM3031) and IM B14 (IM3601),
V18 (IM3611), V19 (IM3631)



M000302

Motor size	Poles	AC	D	DA	DB	DC	E	EA	EG	EH	F	FA	G	GA	GB	GC	GD	GF
280 SM_	2	577	65	60	M20	M20	140	140	40	40	18	18	58	69	53	64	11	11
	4-12	577	75	65	M20	M20	140	140	40	40	20	18	67.5	79.5	58	69	12	11
315 SM_	2	645	65	60	M20	M20	140	140	40	40	18	18	58	69	53	64	11	11
	4-12	645	80	75	M20	M20	170	140	40	40	22	20	71	85	67.5	79.5	14	12
315 ML_	2	645	65	60	M20	M20	140	140	40	40	18	18	58	69	53	64	11	11
	4-12	645	90	75	M24	M20	170	140	48	40	25	20	81	95	67.5	79.5	14	12
315 LK_	2	645	65	60	M20	M20	140	140	40	40	18	18	58	69	53	64	11	11
	4-12	645	90	75	M24	M20	170	140	48	40	25	20	81	95	67.5	79.5	14	12

Motor size	Poles	HB ¹⁾	HB ²⁾	L	LA	LB	LC	LD	M	N	O	P	S	T
280 SM_	2	482	-	1088	23	948	1238	336	500	450	100	550	18	5
	4-12	482	-	1088	23	948	1238	336	500	450	100	550	18	5
315 SM_	2	537	-	1174	25	1034	1322	356	600	550	115	660	23	6
	4-12	537	-	1204	25	1034	1352	386	600	550	115	660	23	6
315 ML_	2	537	-	1285	25	1145	1433	356	600	550	115	660	23	6
	4-12	537	-	1315	25	1145	1463	386	600	550	115	660	23	6
315 LK_	2	537	565	1491	25	1306	1639	356	600	550	115	660	23	6
	4-12	537	565	1521	25	1306	1669	386	600	550	115	660	23	6

Tolerances:

D, DA ISO m6
F, FA ISO h9
N ISO j6 (280 SM_)
 ISO js6 (315_)

¹⁾ Terminal box 370
²⁾ Terminal box 750

Above table gives the main dimensions in mm.
 For detailed drawings please see our web-pages
 'www.abb.com/motors&generators' or contact ABB.