

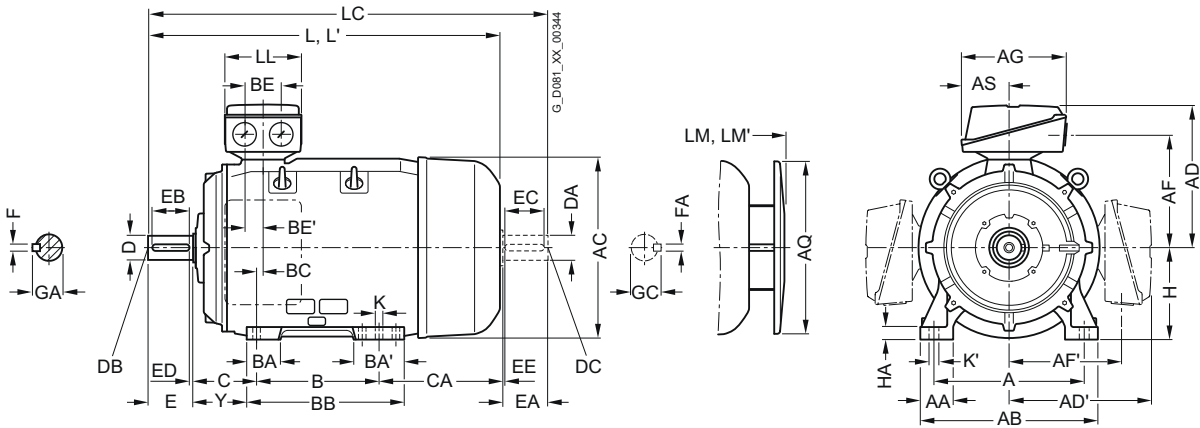
SIMOTICS SD 1LE1 Standard Motors

Dimensions

Cast-iron series 1LE1503, 1LE1523, 1LE1603, 1LE1623
Self-ventilated, frame sizes 180 M to 315 L

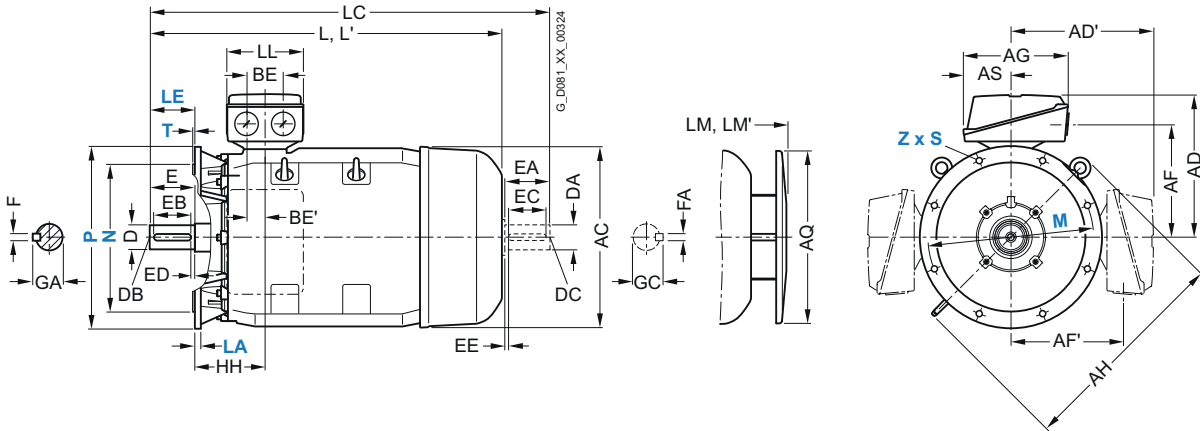
Dimensional drawings

Type of construction IM B3



Types of construction IM B5, IM V1

For flange dimensions, see section flange dimension (Z = the number of retaining holes)



For motor	Type		Dimension designation acc. to IEC																				
Frame size	1LE1503, 1LE1523 1LE1603, 1LE1623	No. of poles	A	AA	AB	AC	AD	AD´	AF	AF´	AG	AH	AQ	AS	B*	BA	BA´	BB	BC	BE	BE´	C ¹⁾	CA*
180 M/ 180 L	1EB2, 1EC4 1EA2, 1EB4	4, 6 2, 4	279	65	339	356	286	286	234	234	189	468	340	91	241	85	120	328	34	60	30	121	202
200 L	2AA4, 2AC4 2AA5, 2AB55, 2AC5	2, 6 2, 4, 6	318	60	378	396	315	315	259	259	265	533	340	112	305	104	104	355	31	85	43	133	177
225 S	2BB0	4	356	80	436	449	338	338	282	282	266	556	425	112	286	92	117	361	15	85	43	149	218
225 M	2BA2 2BB2, 2BC2	2 4, 6	356	80	436	449	338	338	282	282	266	556	425	112	311	92	117	361	15	85	43	149	193
250 M	2CA2 2CB2, 2CC2	2 4, 6	406	100	490	497	410	410	322	322	319	620	470	145	349	102	102	409	24	110	55	168	235
280 S	2DA0 2DB0, 2DC0	2 4, 6	457	100	540	551	433	433	345	345	319	672	525	145	368	101	152	479	20	110	55	190	267
280 M	2DC2 2DA2 2DB2	6 2 4	457	100	540	551	433	433	345	345	319	672	525	145	419	101	152	479	20	110	55	190	216 326
315 S	3AA0 3AB0, 3AC0	2 4, 6	508	120	610	616	515	515	404	404	374	780	590	164	406	113	170	527	22	110	55	216	295
315 M	3AA2 3AB2, 3AC2	2 4, 6	508	120	610	616	515	515	404	404	374	780	590	164	457	113	170	578	22	110	55	216	409
315 L	3AA4 3AB4, 3AC4 3AA5 3AB5, 3AC5, 3AC6	2 4, 6 2 4, 6	508	120	610	616	515	515	404	404	374	780	590	164	508	113	170	578	22	110	55	216	358
																176	227	648					513

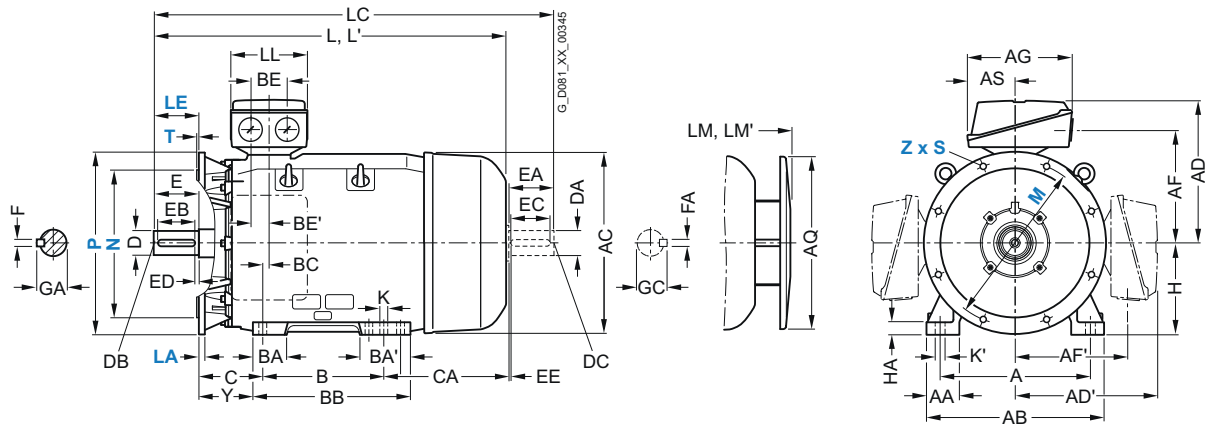
* This dimension is assigned in DIN EN 50347 to the frame size listed.

¹⁾ Additional information – not a standard dimension according to DIN EN 50347.

Dimensional drawings (continued)

Type of construction IM B35

For flange dimensions, see section flange dimension (Z = the number of retaining holes)



Type																																						
1LE1503, 1LE1523													DE shaft extension										NDE shaft extension															
1LE1603, 1LE1623													H	HA	Y ¹⁾	HH	K	K'	L	L ²⁾	LC ³⁾	LL	LM	LM ²⁾	D	DB	E	EB	ED	F	GA	DA	DC	EA	EC	EE	FA	GC
1EB2, 1EC4													180	20	95	155	15	19	668	668	784	164	758	758	48	M16	110	100	5	14	52	48	M16	110	100	5	14	52
1EA2, 1EB4																			698	698	814		788	788														
2AA4, 2AC4													200	25	108	164	19	25	721	755	835	197	811	845	55	M20	110	100	5	16	59	55	M20	110	100	5	16	59
2AA5, 2AB55, 2AC5																			746	780	860		836	870														
2BB0													225	34	124	164	19	25	788	–	903	197	888	–	60	M20	140	125	10	18	64	55	M20	110	100	5	16	59
2BA2													225	34	124	164	19	25	818	852	933	197	918	952	55	M20	110	100	5	16	59	48	M16	110	100	5	14	52
2BB2, 2BC2																			848	–	963		948	–	60		140	125	10	18	64	55	M20				16	59
2CA2													250	40	138	192	24	30	887	924	1002	233	987	1024	60	M20	140	125	10	18	64	55	M20	110	100	5	16	59
2CB2, 2CC2																			–		1032			–	65					69	60		140	125	10	18	64	
2DA0													280	40	160	210	24	30	960	998	1105	233	1070	1108	65	M20	140	125	10	18	69	60	M20	140	125	10	18	64
2DB0, 2DC0																			–					–	75					20	80	65					69	
2DC2													280	40	160	210	24	30	960	–	1105	233	1070	–	75	M20	140	125	10	20	80	65	M20	140	125	10	18	69
2DA2																			1070	1108	1215		1180	1218	65				18	69	60					64		
2DB2																			–					–	75				20	80	65					69		
3AA0													315	50	181	238	28	35	1052	1122	1197	299	1162	1232	65	M20	140	125	10	18	69	60	M20	140	125	10	18	64
3AB0, 3AC0																			1082	–	1227		1192	–	80		170	140	25	22	85	70					20	75
3AA2													315	50	181	238	28	35	1217	1287	1362	299	1327	1397	65	M20	140	125	10	18	69	60	M20	140	125	10	18	64
3AB2, 3AC2																			1247	–	1392		1357	–	80		170	140	25	22	85	70					20	75
3AA4													315	50	181	238	28	35	1217	1287	1362	299	1327	1397	65	M20	140	125	10	18	69	60	M20	140	125	10	18	64
3AB4, 3AC4																			1247	–	1392		1357	–	80		170	140	25	22	85	70					20	75
3AA5															146				1372	1442	1517		1482	1552	65		140	125	10	18	69	60					18	64
3AB5, 3AC5, 3AC6																			1402	–	1547		1512	–	80		170	140	25	22	85	70					20	75

1) Additional information – not a standard dimension according to DIN EN 50347.

2) For version with low-noise fan for 2-pole motors.

3) In the low-noise version, a second shaft extension and/or mounted encoder is not possible.