

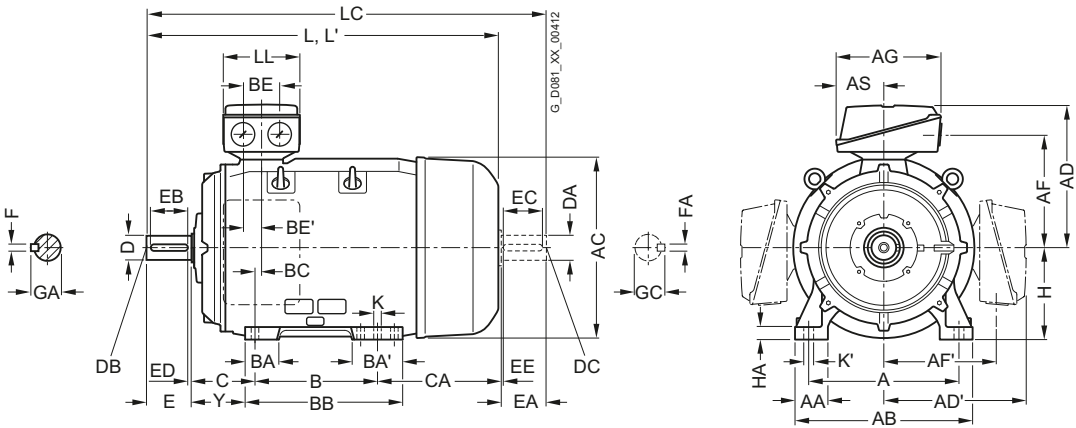
SIMOTICS SD 1LE1 Standard Motors

Dimensions

Cast-iron series 1LE1501, 1LE1521, 1LE1601, 1LE1621
Self-ventilated, frame sizes 180 M to 250 M

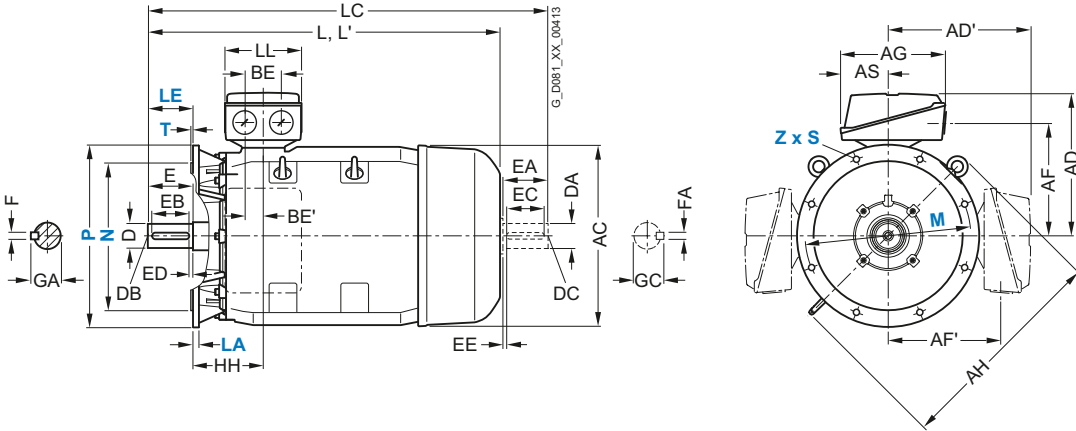
Dimensional drawings

Type of construction IM B3



Types of construction IM B5, IM V1

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



For motor Frame size	Type	Dimension designation acc. to IEC																		
			No. of poles	A	AA	AB	AC	AD	AD'	AF	AF'	AG	AH	AS	B*	BA	BA'	BB	BC	BE
180 M/ 180 L	1EA2, 1EB2, 1EC6	2, 4, 6	2, 4, 6	279	65	339	356	286	286	234	234	190	468	92	241	85	120	328	34	60
	1EB4, 1EC4, 1EA6, 1EB6		2, 4, 6												279					30
200 L	2AA4.2AA5. 2AB5. 2AC4.2AC5	2, 4, 6	2, 4, 6	318	60	378	396	315	315	259	259	266	533	112	305	104	104	355	31	85
	2AA6, 2AB6, 2AC6		2, 4, 6																	42.5
225 S/ 225 M	2BB0, 2BD0,	4, 8	4, 8	356	80	436	449	338	338	282	282	266	556	112	311	92	117	361	15	85
	2BB2, 2BC2, 2BD2, 2BB6,		4, 6, 8																	42.5
	2BC6, 2BD6	2	2																	149
	2BA2, 2BA6		2																	253
250 M	2CA2, 2CA6	2	2	406	100	490	497	410	410	322	322	319	620	145	349	102	102	409	24	110
	2CB2, 2CC2, 2CD2, 2CC6,		4, 6, 8																	55
	2CD6,	4	4																	168
	2CB6		4																	230

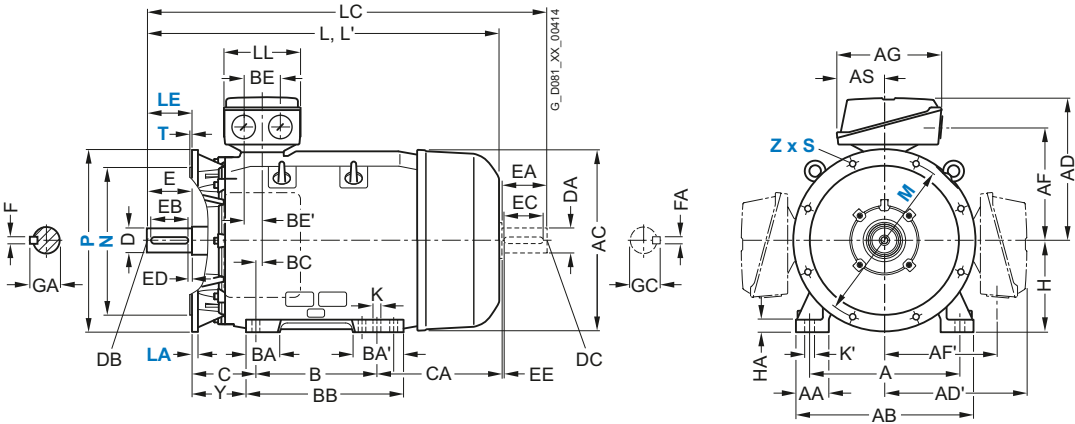
* This dimension is assigned in DIN EN 50347 to the frame size listed.

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 dimensions (Z = the number of retaining holes)



Type																										
										DE shaft extension								NDE shaft extension								
1LE1501, 1LE1521 1LE1601, 1LE1621	H	HA	Y ¹⁾	HH	K	K´	L	L´ ²⁾	LC ³⁾	LL	D	DB	E	EB	ED	F	GA	DA	DC	EA	EC	EE	FA	GC		
1EA2, 1EB2, 1EC6	180	20	95	155	15	19	668	668	784	165	48	M16	110	100	5	14	52	48	M16	110	100	5	14	51.5		
1EB4, 1EC4, 1EA6, 1EB6							698	698	814																	
2AA4.2AA5, 2AB5, 2AC4.2AC5	200	25	108	164	19	25	721	755	835	197	55	M20	110	100	5	16	59	55	M20	110	100	5	16	59		
2AA6, 2AB6, 2AC6							746	780	860																	
2BB0, 2BD0	225	34	124	164	19	25	788	–	903	197	60	M20	140	125	10	18	64	55	M20	110	100	5	16	59		
2BB2, 2BC2, 2BD2, 2BB6, 2BC6, 2BD6							848		963																	
2BA2, 2BA6							818	852	933	55			110	100	5	16	59	48	M16				14	51.5		
2CA2, 2CA6	250	40	138	192	24	30	887	924	1002	233	60	M20	140	125	10	18	64	55	M20	110	100	5	16	59		
2CB2, 2CC2, 2CD2, 2CC6, 2CD6							–		1032	65							69	60		140	125	10	18	64		
2CB6							957		1072																	

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.