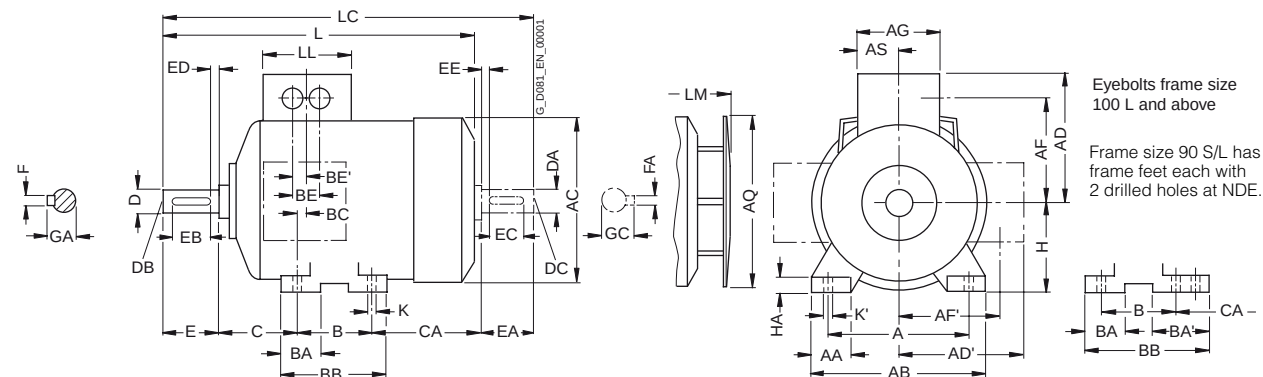


Type of construction IM B3

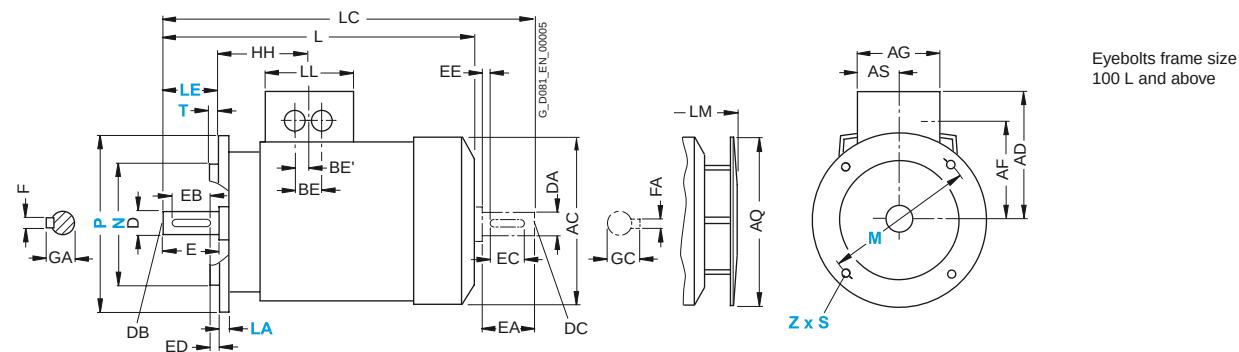


Eyebolts frame size 100 L and above

Frame size 90 S/L has frame feet each with 2 drilled holes at NDE.

Types of construction IM B5 and IM V1

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



Eyebolts frame size 100 L and above

For motor		Dimension designation acc. to IEC																							
Frame size	Type	Number of poles	A	AA	AB	AC ¹⁾	AD	AD'	AF	AF'	AG	AQ	AS	B*	BA	BA'	BB	BC	BE	BE'	C	CA*	H	HA	
56 M ²⁾	1LA9 050 1LA9 053	2, 4	90	25	110	116	101	101	78	78	75	–	37.5	71	28	–	87	34	32	18	36	53	56	6	
63 M	1LA9 060 1LA9 063	2, 4	100	27	120	124	101	101	78	78	75	124	37.5	80	28	–	96	30	32	18	40	66 92	63	7	
71 M	1LA9 070 1LA9 073	2, 4	112	30.5	132	145	111	111	88	88	75	124	37.5	90	27	–	106	18	32	18	45	83	71	7	
80 M	1LA9 080 1LA9 083	2, 4	125	30.5	150	163	120	120	97	97	75	124	37.5	100	32	–	118	14	32	18	50	94 134	80	8	
90 S 90 L	1LA9 090 1LA9 096	2, 4, 6	140	30.5	165	180	128	128	105	105	75	170	37.5	100 125	33	54	143	23	32	18	56	143 118	90	10	
100 L	1LA9 106 1LA9 107	2, 4, 6	160	42	196	203	135	163	78	123	120	170	60	140	47	–	176	39	42	21	63	160 195 ³⁾	100	12	
112 M	1LA9 113	2, 4, 6	190	46	226	227	148	176	91	136	120	170	60	140	47	–	176	32	42	21	70	179	112	12	
132 S	1LA9 130 1LA9 131	2, 4 2	216	53	256	267	167	194	107	154	140	250	70	140	49	–	180	39	42	21	89	162.5 200.5	132	15	
132 M	1LA9 133 1LA9 133 1LA9 134	6 4 6	216	53	256	267	167	194	107	154	140	250	70	178	49	–	218	39	42	21	89	124.5 162.5	132	15	
160 M	1LA9 163 1LA9 164	2, 4, 6 2	254	60	300	320	197	226	127	183	165	250	82.5	210	57	–	256	52.5	54	27	108	183	160	18	
160 L	1LA9 166	2, 4, 6	254	60	300	320	197	226	127	183	165	250	82.5	254	57	–	300	52.5	54	27	108	179	160	18	
180 M	1LA9 183	2, 4	279	69.5	339	363	258	258	216	216	152	340	71	241	50	–	287	38	54	27	121	259	180	18	
180 L	1LA9 186	4, 6	279	69.5	339	363	258	258	216	216	152	340	71	279	50	–	325	38	54	27	121	221	180	18	
200 L	1LA9 206 1LA9 207	2, 6 2, 4, 6	318	83	388	402	305	305	252	252	260	340	96	305	58.5	–	355	45	85	42.5	133	239	200	24	

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

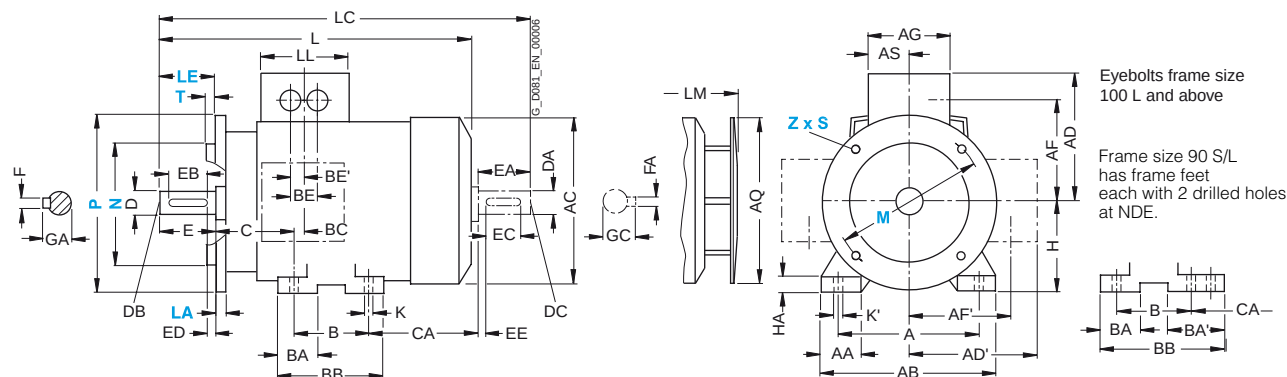
1) Measured across the bolt heads.

2) The motors of frame size 56 M are not ventilated. Frame size 56 M is not available in IM B35.

3) For 1LA9 107-4KA.

Type of construction IM B35

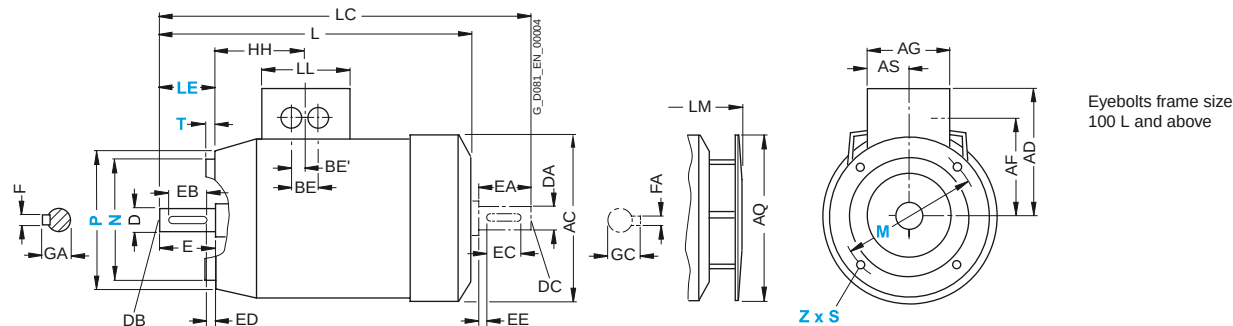
For flange dimensions, see "Flange dimensions" (Z = the number of retaining holes)



Type of construction IM B14

Type of construction IM B14 not possible for 1LA9 motors, frame sizes 180 M to 200 L

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



For motor		Dimension designation acc. to IEC										DE shaft extension				NDE shaft extension							
Frame size	Type	Number of poles	HH	K	K'	L	LC	LL	LM	D	DB	E	EB	ED	F	GA	DA	DC	EA	EC	EE	FA	GC
56 M ¹⁾	1LA9 050 1LA9 053	2, 4	69.5	5.8	9	169 ²⁾ 195	200 ²⁾ 226	75	—	9	M3	20	14	3	3	10.2	9	M3	20	14	3	3	10.2
63 M	1LA9 060 1LA9 063	2, 4	69.5	7	10	202.5 ³⁾ 228.5	232 ³⁾ 258	75	231.5 257.5	11	M4	23	16	3.5	4	12.5	11	M4	23	16	3.5	4	12.5
71 M	1LA9 070 1LA9 073	2, 4	63.5	7	10	240	278	75	268	14	M5	30	22	4	5	16	14	M5	30	22	4	5	16
80 M	1LA9 080 1LA9 083	2, 4	63.5	9.5	13.5	273.5 308.5	324 364	75	299.5 334.5	19	M6	40	32	4	6	21.5	19	M6	40	32	4	6	21.5
90 S 90 L	1LA9 090 1LA9 096	2, 4, 6	79	10	14	331 376 ⁴⁾ 358 ⁵⁾	389 434 ⁴⁾ 414 ⁵⁾	75	382.5 427.5 ⁴⁾ 409.5 ⁵⁾	24	M8	50	40	5	8	27	19	M6	40	32	4	6	21.5
100 L	1LA9 106 1LA9 107	2, 4, 6	102	12	16	407 442 ⁶⁾	473 508 ⁶⁾	120	458.5 493 ⁶⁾	28	M10	60	50	5	8	31	24	M8	50	40	5	8	27
112 M	1LA9 113	2, 4, 6	102	12	16	431	499	120	482.5	28	M10	60	50	5	8	31	24	M8	50	40	5	8	27
132 S	1LA9 130 1LA9 131	2, 4 2	128	12	16	452.5 490.5	551.5 589.5	140	505 543	38	M12	80	70	5	10	41	38	M12	80	70	5	10	41
132 M	1LA9 133 1LA9 134	6 4 6	128	12	16	452.5 490.5	551.5 589.5	140	505 543	38	M12	80	70	5	10	41	38	M12	80	70	5	10	41
160 M	1LA9 163 1LA9 164	2, 4, 6 2	160.5	15	19	588	721	165	640.5	42	M16	110	90	10	12	45	42	M16	110	90	10	12	45
160 L	1LA9 166	2, 4, 6	160.5	15	19	628	761	165	680.5	42	M16	110	90	10	12	45	42	M16	110	90	10	12	45
180 M	1LA9 183	2, 4	159	15	19	712	841	132	793.5	48	M16	110	100	5	14	51.5	48	M16	110	100	5	14	51.5
180 L	1LA9 186	4, 6	159	15	19	712	841	132	793.5	48	M16	110	100	5	14	51.5	48	M16	110	100	5	14	51.5
200 L	1LA9 206 1LA9 207	2, 6 2, 4, 6	178	19	25	768.5	897	192	850	55	M20	110	100	5	16	59	55	M20	110	100	5	16	59

¹⁾ The motors of frame size 56 M are not ventilated. Frame size 56 M is not available in IM B35.

²⁾ For 1LA9 frame size 56 M with type of construction code 1 (B5, IM V1 without protective cover, IM V3) the dimensions L and LC are 26 mm longer.

³⁾ For 1LA9 060 with type of construction code 1 (B5, IM V1 without protective cover, IM V3) the dimensions L, LC and LM are 26 mm longer.

⁴⁾ For 1LA9 096-6KA.

⁵⁾ For 1LA9 096-2 and 1LA9 096-4.

⁶⁾ For 1LA9 107-4KA.