

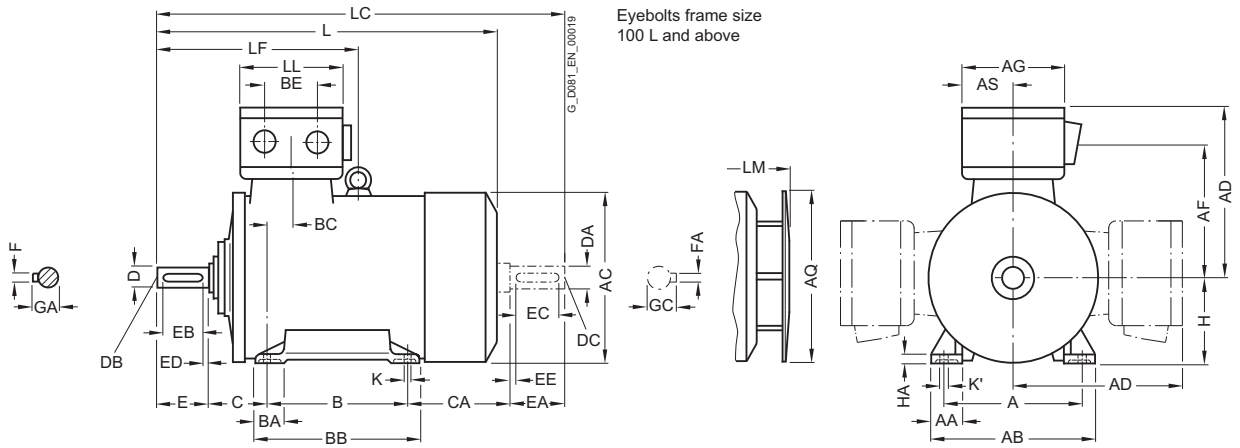
SIMOTICS XP 1MJ Explosion-Proof Motors

Dimensions

Cast-iron series 1MJ6
Frame sizes 71 M to 160 L

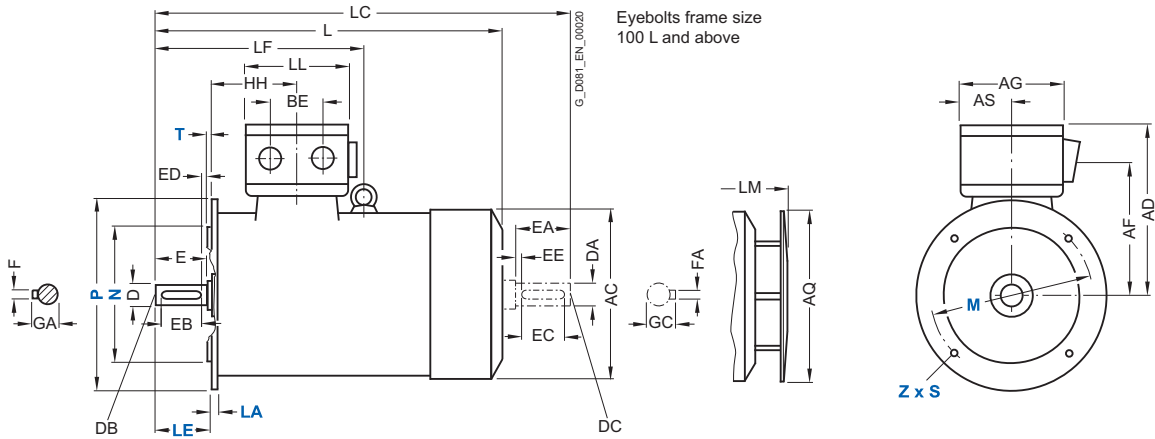
Dimensional drawings

Type of construction IM B3



Types of construction IM B5 and IM V1

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



For motor			Dimension designation acc. to IEC																					
Frame size	Type	Number of poles	A	AA	AB	AC ¹⁾	AD	AF	AG	AQ	AS	B	BA	BB	BC	BE	C	CA	H	HA	HH	K	K'	L
71 M	1MJ6070	2, 4	112	34	140	148.5	201 ²⁾	162	152	124	71	90	30	110	58	54	45	144	71	8	103	7	10	299
	1MJ6073	2, 4, 6																						
80 M	1MJ6080	2, 4, 6	125	36	160	165.5	209 ²⁾	170	152	125	71	100	35	125	44	54	50	156	80	10	93.5	9.5	13.5	336
	1MJ6083	2, 4, 6																						
90 L	1MJ6096	2, 4, 6, 8	140	37	168	183	218	177	162	170	81	125	35	156	54	54	56	177	90	13	109.5	10	14	383
	1MJ6097	2, 4, 6, 8																						
100 L	1MJ6106	2, 4, 6, 8	160	45	196	202.5	223	182	162	170	81	140	45	176	50	54	63	185	100	14	112.5	12	16	426
	1MJ6107	4, 8																						
112 M	1MJ6113	2, 4, 6, 8	190	50	226	228.5	238	197	162	170	81	140	45	176	52	54	70	180	112	15	121.5	12	16	428
132 S	1MJ6130	2, 4, 6, 8	216	53	256	267.5	258	217	162	250	81	140	49	180	55	54	89	228	132	17	144	12	16	515
	1MJ6131	2																						
132 M	1MJ6133	4, 6, 8	216	53	256	267.5	258	217	162	250	81	178	49	218	55	54	89	190	132	17	144	12	16	515
	1MJ6134	6																						
160 M	1MJ6163	2, 4, 6, 8	254	60	300	323	280	239	162	250	81	210	57	256	40	54	108	238	160	20	148	15	19	641
	1MJ6164	2, 8																						
160 L	1MJ6166	2, 4, 6, 8	254	60	300	323	314	246	216	250	95	254	57	300	40	96	108	194	160	20	148	15	19	641

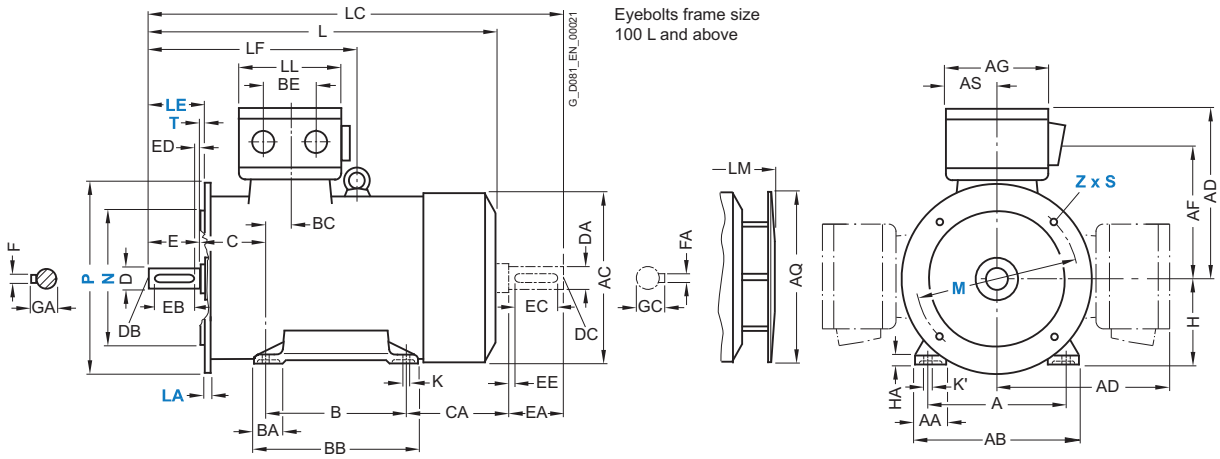
¹⁾ Measured across the bolt heads.

²⁾ K09 and K10 frame size 90 and above.

Dimensional drawings (continued)

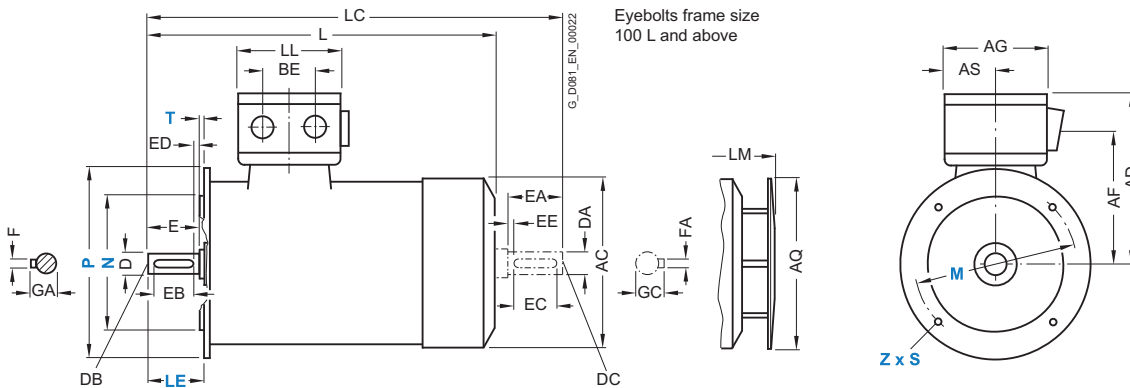
Type of construction IM B35

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



Type of construction IM B14 – only for frame sizes 71 M to 90 L

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



For motor		Dimension designation acc. to IEC	DE shaft extension										NDE shaft extension							
Frame size	Type		LC	LF	LL	LM	D	DB	E	EB	ED	F	GA	DA	DC	EA	EC	EE	FA	GC
71 M	1MJ6070	2, 4	339	-	132	327	14	M5	30	22	4	5	16	14	M5	30	22	4	5	16
	1MJ6073	2, 4, 6																		
80 M	1MJ6080	2, 4, 6	386	-	132	362	19	M6	40	32	4	6	21.5	19	M6	40	32	4	6	21.5
	1MJ6083	2, 4, 6																		
90 L	1MJ6096	2, 4, 6, 8	458	-	162	434.5	24	M8	50	40	5	8	27	24	M8	50	40	5	8	27
	1MJ6097	2, 4, 6, 8																		
100 L	1MJ6106	2, 4, 6, 8	508	-	162	477.5	28	M10	60	50	5	8	31	28	M10	60	50	5	8	31
	1MJ6107	4, 8																		
112 M	1MJ6113	2, 4, 6, 8	510	-	162	479.5	28	M10	60	50	5	8	31	28	M10	60	50	5	8	31
132 S	1MJ6130	2, 4, 6, 8	617	-	162	567.5	38	M12	80	70	5	10	41	38	M12	80	70	5	10	41
	1MJ6131	2																		
132 M	1MJ6133	4, 6, 8	617	-	162	567.5	38	M12	80	70	5	10	41	38	M12	80	70	5	10	41
	1MJ6134	6																		
160 M	1MJ6163	2, 4, 6, 8	776	383	162	693.5	42	M16	110	90	10	12	45	42	M16	110	90	10	12	45
	1MJ6164	2, 8																		
160 L	1MJ6166	2, 4, 6, 8	776	383	190	693.5	42	M16	110	90	10	12	45	42	M16	110	90	10	12	45