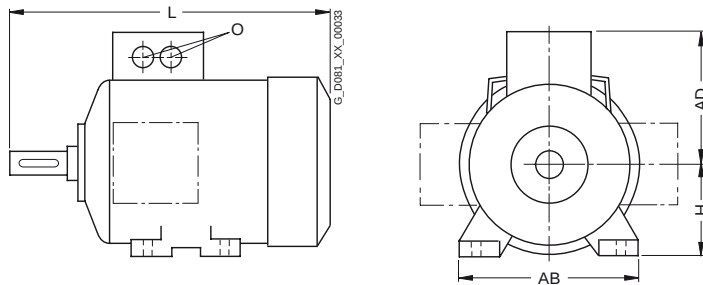


Overall dimensions



Frame size	Type	Number of poles	Dimensions				
			L	AD	H	AB	O
56 M	1LA7		169	101	56	110	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 050		169	101	56	110	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 053		195	101	56	110	1 x M16 x 1.5 1 x M25 x 1.5
63 M	1LA7		202.5	101	63	120	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 063		202.5	101	63	120	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 061		228.5	101	63	120	1 x M16 x 1.5 1 x M25 x 1.5
71 M	1LA7		240	111	71	132	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9		240	111	71	132	1 x M16 x 1.5 1 x M25 x 1.5
	1LP7		207	111	71	132	1 x M16 x 1.5 1 x M25 x 1.5
80 M	1LA7		273.5	120	80	150	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 080		273.5	120	80	150	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 083		308.5	120	80	150	1 x M16 x 1.5 1 x M25 x 1.5
	1LP7		237	120	80	150	1 x M16 x 1.5 1 x M25 x 1.5
90 S/ 90 L	1LA7		331	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9		331	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 096-6K.		376	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 096-2..		358	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
	1LA9 096-4..		358	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
	1LP7		286	128	90	165	1 x M16 x 1.5 1 x M25 x 1.5
100 L	1LA6		372	164	100	196	2 x M32 x 1.5
	1LA7		372	135	100	196	2 x M32 x 1.5
	1LA9		407	135	100	196	2 x M32 x 1.5
	1LA9 107-4KA.		442	135	100	196	2 x M32 x 1.5
	1LP7		331	135	100	196	2 x M32 x 1.5
112 M	1LA6		393	178	112	226	2 x M32 x 1.5
	1LA7		393	148	112	226	2 x M32 x 1.5
	1LA9		431	148	112	226	2 x M32 x 1.5
	1LP7		349	148	112	226	2 x M32 x 1.5
132 S/ 132 M	1LA6	4	453	194	132	256	2 x M32 x 1.5
	1LA7		452.5	167	132	256	2 x M32 x 1.5
	1LA9		452.5	167	132	256	2 x M32 x 1.5
	1LA9 131		490.5	167	132	256	2 x M32 x 1.5
	1LA9 133		490.5	167	132	256	2 x M32 x 1.5
	1LA9 134		490.5	167	132	256	2 x M32 x 1.5
	1LP7		397	167	132	256	2 x M32 x 1.5

Frame size	Type	Number of poles	Dimensions				
			L	AD	H	AB	O
160 M/ 160 L	1LA6		588	226	160	300	2 x M40 x 1.5
	1LA7		588	197	160	300	2 x M40 x 1.5
	1LA9		588	197	160	300	2 x M40 x 1.5
	1LA9 166		628	197	160	300	2 x M40 x 1.5
	1LP7		529	197	160	300	2 x M40 x 1.5
180 M/ 180 L	1LA5		712	258	180	339	2 x M40 x 1.5
	1LA9		712	258	180	339	2 x M40 x 1.5
	1LG4		669	262	180	339	2 x M40 x 1.5
	1LG4 188		720	262	180	339	2 x M40 x 1.5
	1LG6 183	2	720	262	180	339	2 x M40 x 1.5
	1LG6 183	4	669	262	180	339	2 x M40 x 1.5
	1LG6 186	4, 6, 8	720	262	180	339	2 x M40 x 1.5
	1LP4 183	2, 4	562	262	180	339	2 x M40 x 1.5
	1LP4 186	4, 6, 8	562	262	180	339	2 x M40 x 1.5
	1LP5		611	258	180	339	2 x M40 x 1.5
200 L	1LA5		769.5	305	200	388	2 x M50 x 1.5
	1LA9		768.5	305	200	388	2 x M50 x 1.5
	1LG4		720	300	200	378	2 x M50 x 1.5
	1LG4 208	2, 6	777	300	200	378	2 x M50 x 1.5
	1LG6 206		720	300	200	378	2 x M50 x 1.5
	1LG6 207	2, 6	777	300	200	378	2 x M50 x 1.5
	1LG6 207	4, 8	720	300	200	378	2 x M50 x 1.5
	1LP4 206	2, 6	617	300	200	378	2 x M50 x 1.5
	1LP4 207	2, 4, 6, 8	617	300	200	378	2 x M50 x 1.5
	1LP5		675	305	200	388	2 x M50 x 1.5
225 S/ 225 M	1LA5		806	305	225	426	2 x M50 x 1.5
	1LA5	2	776	305	225	426	2 x M50 x 1.5
	1LG4		789	325	225	436	2 x M50 x 1.5
	1LG4 223	2	759	325	225	436	2 x M50 x 1.5
	1LG4 228	2	819	325	225	436	2 x M50 x 1.5
	1LG4 228	4, 6, 8	849	325	225	436	2 x M50 x 1.5
	1LG6 220	4, 8	789	325	225	436	2 x M50 x 1.5
	1LG6 223	2	819	325	225	436	2 x M50 x 1.5
	1LG6 223	4, 6, 8	849	325	225	436	2 x M50 x 1.5
	1LG6 228	2	869	325	225	436	2 x M50 x 1.5
	1LG6 228	4, 6	899	325	225	436	2 x M50 x 1.5
	1LP4 220	4, 8	670	325	225	436	2 x M50 x 1.5
	1LP4 223	2	640	325	225	436	2 x M50 x 1.5
	1LP4 223	4, 6, 8	670	325	225	436	2 x M50 x 1.5
250 M	1LG4		887	392	250	490	2 x M63 x 1.5
	1LG4 258	4	957	392	250	490	2 x M63 x 1.5
	1LG6 253	2, 6, 8	887	392	250	490	2 x M63 x 1.5
	1LG6 253	4	957	392	250	490	2 x M63 x 1.5
	1LG6 258	2, 4, 6	957	392	250	490	2 x M63 x 1.5
	1LP4 253	2	764	392	250	490	2 x M63 x 1.5
	1LP4 253	4, 6, 8	764	392	250	490	2 x M63 x 1.5

Frame size	Type	Number of poles	Dimensions L AD H AB O				
280 S/ 280 M	1LG4		960	432	280	540	2 x M63 x 1.5
	1LG4 288	2, 4	1070	432	280	540	2 x M63 x 1.5
	1LG6 280	2, 4, 6, 8	960	432	280	540	2 x M63 x 1.5
	1LG6 283	2, 4	1070	432	280	540	2 x M63 x 1.5
	1LG6 283	6, 8	960	432	280	540	2 x M63 x 1.5
	1LG6 288	2, 4, 6	1070	432	280	540	2 x M63 x 1.5
	1LP4 280	2, 4, 6, 8	830	432	280	540	2 x M63 x 1.5
	1LP4 283	2, 4, 6, 8	830	432	280	540	2 x M63 x 1.5
315 S/ 315 M/ 315 L	1LG4		1072	500	315	610	2 x M63 x 1.5
	1LG4 310	4, 6, 8	1102	500	315	610	2 x M63 x 1.5
	1LG4 313	4, 6, 8	1102	500	315	610	2 x M63 x 1.5
	1LG4 316	2	1232	500	315	610	2 x M63 x 1.5
	1LG4 316	4, 6, 8	1262	500	315	610	2 x M63 x 1.5
	1LG4 317	2	1232	500	315	610	2 x M63 x 1.5
	1LG4 317	4, 6, 8	1262	500	315	610	2 x M63 x 1.5
	1LG4 318	8	1262	500	315	610	2 x M63 x 1.5
	1LG4 318	6	1402	500	315	610	2 x M63 x 1.5

Notes on the dimensions

■ Dimension drawings according to DIN EN 50347 and IEC 60072.

■ Fits

The shaft extensions specified in the dimension tables (DIN 748) and centering spigot diameters (DIN EN 50347) are machined with the following fits:

Dimension designation	ISO fit DIN ISO 286-2	
D, DA	to 30	j6
	over 31 to 50	k6
	over 50	m6
N	to 250	j6
	over 250	h6
F, FA		h9
K		H17
S	flange (FF)	H17

The drilled holes of couplings and belt pulleys should have an ISO fit of at least H7.

Frame size	Type	Number of poles	Dimensions L AD H AB O				
315 S/ 315 M/ 315 L	1LG6 310	2	1072	500	315	610	2 x M63 x 1.5
	1LG6 310	4, 6, 8	1102	500	315	610	2 x M63 x 1.5
	1LG6 313	2	1232	500	315	610	2 x M63 x 1.5
	1LG6 313	4, 6	1262	500	315	610	2 x M63 x 1.5
	1LG6 313	8	1102	500	315	610	2 x M63 x 1.5
	1LG6 316	2	1232	500	315	610	2 x M63 x 1.5
	1LG6 316	4, 6, 8	1262	500	315	610	2 x M63 x 1.5
	1LG6 317	8	1262	500	315	610	2 x M63 x 1.5
	1LG6 317	2	1372	500	315	610	2 x M63 x 1.5
	1LG6 317	4, 6	1402	500	315	610	2 x M63 x 1.5
	1LG6 318	2	1372	651	315	610	2 x M63 x 1.5
	1LG6 318	4	1402	651	315	610	2 x M63 x 1.5
	1LG6 318	6, 8	1402	500	315	610	2 x M63 x 1.5
	1LP4 310	2	925	500	315	610	2 x M63 x 1.5
	1LP4 310	4, 6, 8	955	500	315	610	2 x M63 x 1.5
	1LP4 313	2	925	500	315	610	2 x M63 x 1.5
	1LP4 313	4, 6, 8	955	500	315	610	2 x M63 x 1.5
	1LP4 316	2	1085	500	315	610	2 x M63 x 1.5
	1LP4 316	4, 6, 8	1115	500	315	610	2 x M63 x 1.5
	1LP4 317	2	1085	500	315	610	2 x M63 x 1.5
	1LP4 317	4, 6, 8	1115	500	315	610	2 x M63 x 1.5

■ Dimension tolerances

For the following dimensions, the admissible deviations are given below:

Dimension designation	Dimension	Permitted deviation
H	to 250	– 0.5
	over 250	– 1.0
E, EA		– 0.5

Keyways and feather keyways (dimensions GA, GC, F and FA) are made in compliance with DIN 6885 Part 1.

■ All dimensions are specified in mm.