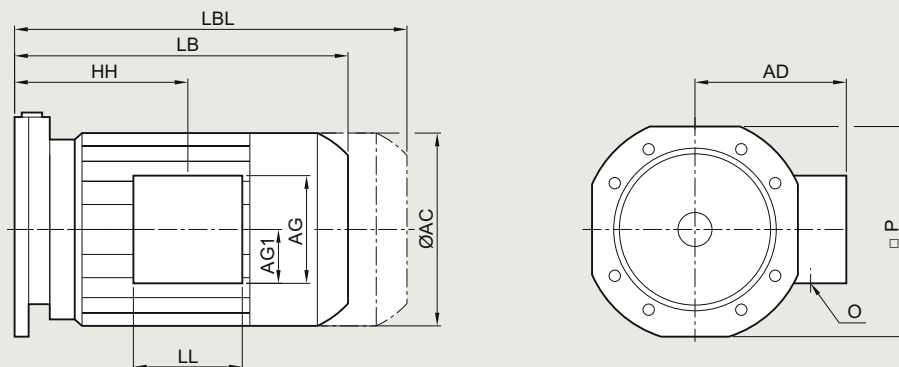


Motors

Dimensions

Motor frame sizes LE63 to LE71Y

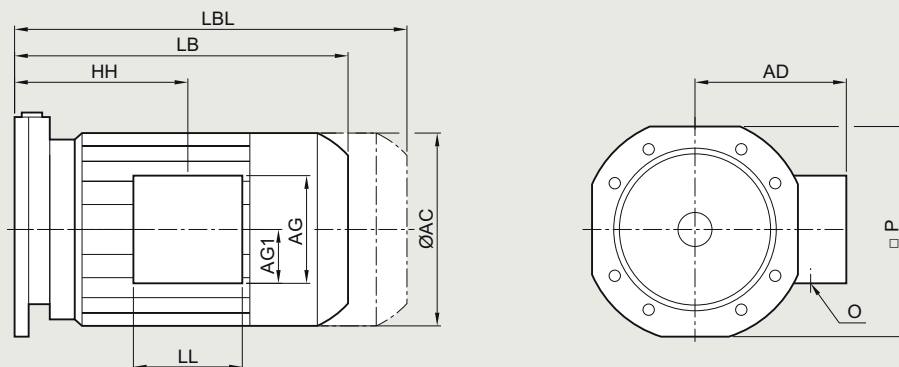
Overview



Motor	Gearbox type							Dimensions					Terminal box						
	D/Z	E	FD/ FZ	B	K	C	EHB	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT
LE63	19	–	–	19	–	–	–	–	61.5	160.5	205.0	117.8	gk127 gk030 TB1E10	124.0	90	90	45.0	M20x1.5/ M25x1.5	2 x 1/2"
	29	–	29	29	–	29	BH29	120	95.0	194.0	238.5			101.0	75	75	37.5		
	39	39	39	39	39	39	BH39							132.0	123	119.5	58.0		
	49	49	49	49	49	49	KH49	160	85.5	184.5	229.0								
	59	59	–	–	–	–	–												
	69	69	69	–	69	69	KH69												
LE63Z	–	–	–	–	79	–	KH79						gk127 gk030 TB1E10	124.0	90	90	45.0	M20x1.5/ M25x1.5	2 x 1/2"
	19	–	–	19	–	–	–	–	87.5	186.5	231.0	117.8		101.0	75	75	37.5		
	29	–	29	29	–	29	BH29	120	121.0	220.0	264.5			132.0	123	119.5	58.0		
	39	39	39	39	39	39	BH39												
	49	49	49	49	49	49	KH49	160	111.5	210.5	255.0								
	59	59	–	–	–	–	–												
LE71	69	69	69	–	69	69	KH69						gk127 gk030 TB1E10	134.0	90	90	45.0	M20x1.5/ M25x1.5	2 x 1/2"
	–	–	–	–	79	–	KH79							111.0	75	75	37.5		
	19	–	–	19	–	–	–	–	93.5	184.5	239.5	138.8		142.0	123	119.5	58.0		
	29	–	29	29	–	29	BH29	120	135.0	226.0	281.0								
	39	39	39	39	39	39	BH39												
	49	49	49	49	49	49	KH49	160	125.5	216.5	271.5								
LE71Z	59	–	–	–	–	–	–						gk127 gk030 TB1E10	134.0	90	90	45.0	M20x1.5/ M25x1.5	2 x 1/2"
	69	–	69	–	69	69	KH69							111.0	75	75	37.5		
	–	–	–	–	79	–	KH79							142.0	123	119.5	58.0		
	79	69	79	–	–	–	–	198	123.5	214.5	269.5								
	–	–	–	–	89	89	–												
	19	–	–	19	–	–	–	–	93.5	203.5	258.5	138.8		111.0	75	75	37.5		
LE71Y	29	–	29	29	–	29	BH29	120	135.0	245.0	300.0		gk127 gk030 TB1E10	142.0	123	119.5	58.0	M20x1.5/ M25x1.5	2 x 1/2"
	39	39	39	39	39	39	BH39												
	49	49	49	49	49	49	KH49	160	125.5	235.5	290.5								
	59	–	–	–	–	–	–												
	69	–	69	–	69	69	KH69												
	–	–	–	–	79	–	KH79												
LE71Y	79	69	79	–	–	–	–	198	163.5	273.5	328.5		gk127 gk030 TB1E10	134.0	90	90	45.0	M20x1.5/ M25x1.5	2 x 1/2"
	–	–	–	–	89	89	–							111.0	75	75	37.5		
	19	–	–	19	–	–	–	–	133.5	243.5	298.5	138.8		142.0	123	119.5	58.0		
	29	–	29	29	–	29	BH29	120	175	285	340								
	39	39	39	39	39	39	BH39												
	49	49	49	49	49	49	KH49	160	165.5	275.5	330.5								
LE71Y	59	–	–	–	–	–	–						gk127 gk030 TB1E10					M20x1.5/ M25x1.5	2 x 1/2"
	69	–	69	–	69	69	KH69												
	–	–	–	–	79	–	KH79												
	79	69	79	–	–	–	–	198	163.5	273.5	328.5								
	–	–	–	–	89	89	–												
	19	–	–	19	–	–	–	–	133.5	243.5	298.5	138.8		111.0	75	75	37.5		

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Overview



Motor	Gearbox type							Dimensions					Terminal box							
	D/Z	E	FD/ FZ	B	K	C	EHB	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT	
LE80	19	–	–	19	–	–	–	0	120.0	240.0	300.0	156.3	TB1E10	149.2	123	119.5	58.0	M20x1.5/ M25x1.5	2 x 1/2"	
	29	–	29	29	–	29	BH29	120	170.0	290.0	350.0	TB1E00	121.0	79	93	50.0	–			
	39	39	39	39	39	39	BH39													
	49	49	49	49	49	49	KH49	160	160.5	280.5	340.5									
	59	–	–	–	–	–	–													
	69	–	69	–	69	69	KH69													
	–	–	–	–	79	–	KH79													
	79	69	79	–	–	–	–	198	154.5	274.5	334.5									
	–	–	–	–	89	89	–													
	89	89	89	–	–	–	–	245	141.5	261.5	321.5									
–	–	–	–	109	–	–														
LE80Z	19	–	–	19	–	–	–	0	155.0	275.0	335.0	156.3	TB1E10	149.2	123	119.5	58.0	M20x1.5/ M25x1.5	2 x 1/2"	
	29	–	29	29	–	29	BH29	120	205.0	325.0	385.0	TB1E00	121.0	79	93	50.0	–			
	39	39	39	39	39	39	BH39													
	49	49	49	49	49	49	KH49	160	195.5	315.5	375.5									
	59	–	–	–	–	–	–													
	69	69	69	–	69	69	KH69													
	–	–	–	–	79	–	KH79													
	79	–	79	–	–	–	–	198	189.5	309.5	369.5									
	–	–	–	–	89	89	–													
	89	89	89	–	–	–	–	245	176.5	296.5	356.5									
–	–	–	–	109	–	–														
LE90	29	–	29	29	–	29	BH29	120	207.5	351.5	421.5	173.8	TB1E10	154.2	123	119.5	58	M20x1.5/ M25x1.5	3/4"+1/2"	
	39	39	39	39	39	39	BH39					TB1E00	126.0	79	93	50	–			
	49	49	49	49	49	49	KH49	160	198.0	342.0	412.0									
	59	–	–	–	–	–	–													
	69	–	69	–	69	69	KH69													
	–	–	–	–	79	–	KH79													
	79	69	79	–	–	–	–	198	192.0	336.0	406.0									
	–	–	–	–	89	89	–													
	89	89	89	–	–	–	–	245	179.0	323.0	393.0									
	–	–	–	–	109	–	–													
	–	–	–	–	129	–	–	300	172.0	316.0	386.0									
	109	109	109	–	–	–	–													
	129	129	129	–	–	–	–	350	165.0	309.0	379.0									
–	–	–	–	149	–	–														

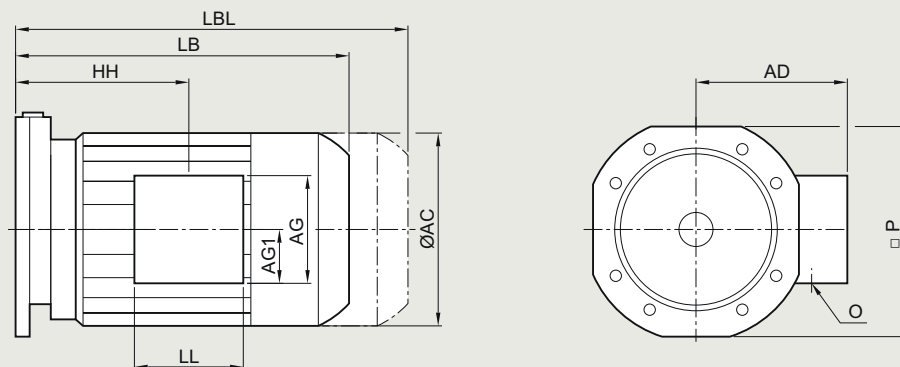
¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Motors

Dimensions

Motor frame sizes LE90Z to LE100Z

Overview

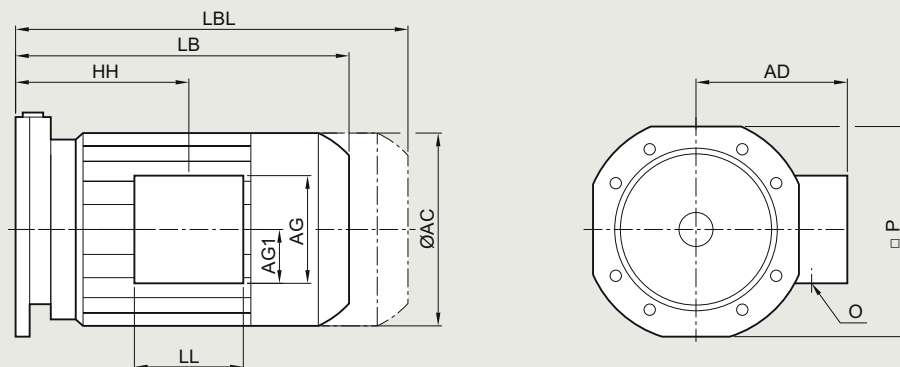


Motor	Gearbox type							Dimensions					Terminal box						
	D/Z	E	FD/FZ	B	K	C	EHB	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT
LE90Z	29	–	29	29	–	29	BH29	120	247.5	391.5	461.5	173.8	TB1E10 TB1E00	154.2	123	119.5	58	M20x1.5/ M25x1.5	3/4"+1/2"
	39	39	39	39	39	39	BH39							126.0	79	93	50		–
	49	49	49	49	49	49	KH49	160	238.0	382.0	452.0								
	59	–	–	–	–	–	–												
	69	–	69	–	69	69	KH69												
	–	–	–	–	79	–	KH79												
	79	69	79	–	–	–	–	198	232.0	376.0	446.0								
	–	–	–	–	89	89	–												
	89	89	89	–	–	–	–	245	219.0	363.0	433.0								
	–	–	–	–	109	–	–												
	–	–	–	–	129	–	–	300	212.0	356.0	426.0								
	109	109	109	–	–	–	–												
	129	129	129	–	–	–	–	350	205.0	349.0	419.0								
	–	–	–	–	149	–	–												
LE100	29	–	29	29	–	29	BH29	120	242.5	408.0	486.5	198.0	TB1F10 TB1F00	170.5	135	135	67.5	2xM32x1.5	3/4"+1/2"
	39	39	39	39	39	39	BH39							166.0	112	135	71.5		–
	49	49	49	49	49	49	KH49	160	233.0	398.5	477.0								
	59	–	–	–	–	–	–												
	69	–	69	–	69	69	KH69												
	–	–	–	–	79	–	KH79												
	79	69	79	–	–	–	–	198	227.0	392.5	471.0								
	–	–	–	–	89	89	–												
	89	89	89	–	–	–	–	245	210.0	375.5	454.0								
	–	–	–	–	109	–	–												
	–	–	–	–	129	–	–	300	201.0	366.5	445.0								
	109	109	109	–	–	–	–												
	129	129	129	–	–	–	–	350	192.0	357.5	436.0								
	–	–	–	–	149	–	–												
	149	149	149	–	169	–	–	405	190.5	356.0	434.5								
LE100Z	29	–	29	29	–	29	BH29	120	277.5	443.0	521.5	198.0	TB1F10 TB1F00	170.5	135	135	67.5	2xM32x1.5	3/4"+1/2"
	39	39	39	39	39	39	BH39							166.0	112	135	71.5		–
	49	49	49	49	49	49	KH49	160	268.0	433.5	512.0								
	59	–	–	–	–	–	–												
	69	–	69	–	69	69	KH69												
	–	–	–	–	79	–	KH79												
	79	69	79	–	–	–	–	198	262.0	427.5	506.0								
	–	–	–	–	89	89	–												
	89	89	89	–	–	–	–	245	245.0	410.5	489.0								
	–	–	–	–	109	–	–												
	–	–	–	–	129	–	–	300	236.0	401.5	480.0								
	109	109	109	–	–	–	–												
	129	129	129	–	–	–	–	350	227.0	392.5	471.0								
	–	–	–	–	149	–	–												
	149	149	149	–	169	–	–	405	225.5	391.0	469.5								

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Motor frame sizes LE112 to LE132

Overview



Motor	Gearbox type							Dimensions					Terminal box											
	D/Z	E	FD/ FZ	B	K	C	EHB	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT					
LE112	29	–	29	29	–	29	–	120	244.0	418.0	491.0	222.0	TB1F10 TB1F00	181.5	135	135	67.5	2xM32x1.5	3/4"+1/2"					
	39	39	39	39	39	39	–					177.0		112	135	71.5	–							
	49	49	49	49	49	49	KH49	160	234.5	408.5	481.5													
	59	–	–	–	–	–	–																	
	69	69	69	–	69	69	KH69																	
	–	–	–	–	79	–	KH79																	
	79	–	79	–	–	–	–	198	228.5	402.5	475.5													
	–	–	–	–	89	89	–																	
	89	89	89	–	–	–	–	245	211.5	385.5	458.5													
	–	–	–	–	109	–	–																	
	–	–	–	–	129	–	–	300	202.5	376.5	449.5													
	109	109	109	–	–	–	–																	
	129	129	129	–	–	–	–	350	193.5	367.5	440.5													
	–	–	–	–	149	–	–																	
	149	149	149	–	169	–	–	405	192.0	366.0	439.0													
	169	169	169	–	–	–	–	465	179.5	353.5	426.5													
	189	189	189	–	189	–	–																	
LE112Z	29	–	29	29	–	29	–	120	269.0	443.0	516.0	222.0	TB1F10 TB1F00	181.5	135	135	67.5	2xM32x1.5	3/4"+1/2"					
	39	39	39	39	39	39	–										177.0			112	135	71.5	–	
	49	49	49	49	49	49	KH49	160																
	59	–	–	–	–	–	–																	
	69	–	69	–	69	69	KH69																	
	–	–	–	–	79	–	KH79																	
	79	69	79	–	–	–	–	198						253.5	427.5	500.5								
	–	–	–	–	89	89	–																	
	89	89	89	–	–	–	–	245						236.5	410.5	483.5								
	–	–	–	–	109	–	–																	
	–	–	–	–	129	–	–	300						227.5	401.5	474.5								
	109	109	109	–	–	–	–																	
	129	129	129	–	–	–	–	350						218.5	392.5	465.5								
	–	–	–	–	149	–	–																	
	149	149	149	–	169	–	–	405						217.0	391.0	464.0								
	169	169	169	–	–	–	–	465						204.5	378.5	451.5								
	189	189	189	–	189	–	–																	
LE132	49	49	49	49	49	49	KH49	160	266.0	461.5	566.0	264.0	TB1H10 TB1H00	207.0	162	162	81.0	2xM32x1.5	3/4"+1/2"					
	59	–	–	–	–	–	–													202.0	130	155	84.5	–
	69	–	69	–	69	69	KH69																	
	–	–	–	–	79	–	KH79																	
	79	69	79	–	–	–	–	198	260.0	455.5	560.0													
	–	–	–	–	89	89	–																	
	89	89	89	–	–	–	–	245	243.0	438.5	543.0													
	–	–	–	–	109	–	–																	
	–	–	–	–	129	–	–	300	234.0	429.5	534.0													
	109	109	109	–	–	–	–																	
	129	129	129	–	–	–	–	350	223.0	418.5	523.0													
	–	–	–	–	149	–	–																	
	149	149	149	–	169	–	–	405	216.5	412.0	516.5													
	169	169	169	–	–	–	–	465	203.5	399.0	503.5													
	189	189	189	–	189	–	–																	

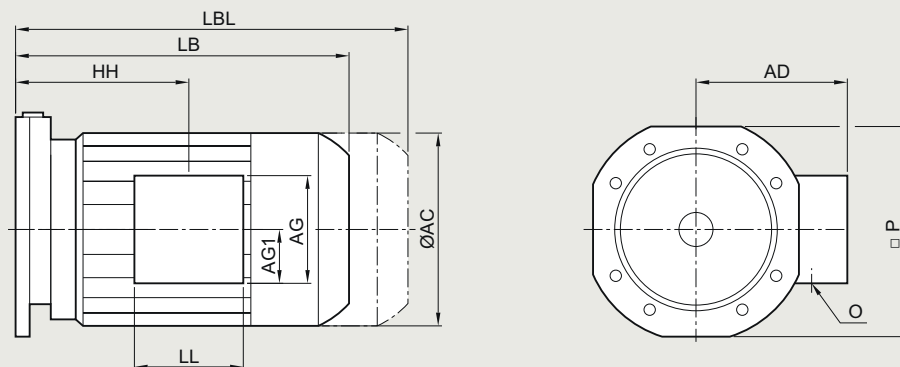
¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Motors

Dimensions

Motor frame sizes LE132Z to LE160Z

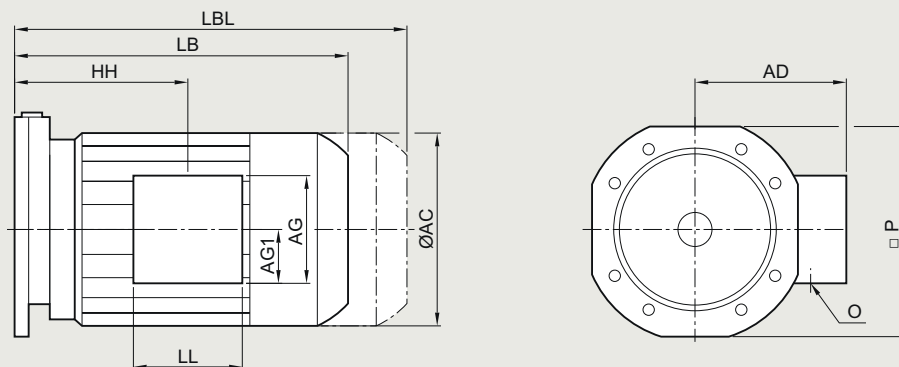
Overview



Motor	Gearbox type							Dimensions					Terminal box							
	D/Z	E	FD/F Z	B	K	C	EHB	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT	
LE132Z	49	49	49	49	49	49	KH49	160	316.0	511.5	616.0	264.0	TB1H10	207.0	162	162	81.0	2xM32x1.5	3/4" + 1/2"	
	59	—	—	—	—	—	—						TB1H00	202.0	130	155	84.5			—
	69	—	69	—	69	69	KH69						—	—	—	—	—			
	—	—	—	—	79	—	KH79						—	—	—	—	—			
	79	69	79	—	—	—	—	198	310.0	505.5	610.0	—	—	—	—	—	—	—		
	—	—	—	—	89	89	—	—	—	—	—	—	—	—	—	—	—	—		
	89	89	89	—	—	—	—	245	293.0	488.5	593.0	—	—	—	—	—	—	—		
	—	—	—	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—		
	—	—	—	—	129	—	—	300	284.0	479.5	584.0	—	—	—	—	—	—	—		
	109	109	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	129	129	129	—	—	—	—	350	273.0	468.5	573.0	—	—	—	—	—	—	—		
	—	—	—	—	149	—	—	—	—	—	—	—	—	—	—	—	—	—		
	149	149	149	—	169	—	—	405	266.5	462.0	566.5	—	—	—	—	—	—	—		
	169	169	169	—	—	—	—	465	253.5	499.0	553.5	—	—	—	—	—	—	—		
189	189	189	—	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
LE160	49	49	49	49	49	49	—	160	299.5	543.5	659.5	318.0	TB1J10	241.0	180	180	90.0	2xM40x1.5	1 1/4" + 1/2"	
	59	—	—	—	—	—	—						TB1J00	236.5	145	175	97.5			—
	69	—	69	—	69	69	—						—	—	—	—	—			
	—	—	—	—	79	—	—						—	—	—	—	—			
	79	69	79	—	—	—	—	198	293.5	537.5	653.5	—	—	—	—	—	—	—		
	—	—	—	—	89	89	—	—	—	—	—	—	—	—	—	—	—	—		
	89	89	89	—	—	—	—	245	276.5	520.5	636.5	—	—	—	—	—	—	—		
	—	—	—	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—		
	—	—	—	—	129	—	—	300	267.5	511.5	627.5	—	—	—	—	—	—	—		
	109	109	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	129	129	129	—	—	—	—	350	256.5	500.5	616.5	—	—	—	—	—	—	—		
	—	—	—	—	149	—	—	—	—	—	—	—	—	—	—	—	—	—		
	149	149	149	—	169	—	—	405	250.0	494.0	610.0	—	—	—	—	—	—	—		
	169	169	169	—	—	—	—	465	237.0	481.0	597.0	—	—	—	—	—	—	—		
189	189	189	—	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
LE160Z	49	49	49	49	49	49	—	160	359.5	603.5	719.5	318.0	TB1J10	241.0	180	180	90.0	2xM40x1.5	1 1/4" + 1/2"	
	59	—	—	—	—	—	—						TB1J00	236.5	145	175	97.5			—
	69	—	69	—	69	69	—						—	—	—	—	—			
	—	—	—	—	79	—	—						—	—	—	—	—			
	79	69	79	—	—	—	—	198	353.5	597.5	713.5	—	—	—	—	—	—	—		
	—	—	—	—	89	89	—	—	—	—	—	—	—	—	—	—	—	—		
	89	89	89	—	—	—	—	245	336.5	580.5	696.5	—	—	—	—	—	—	—		
	—	—	—	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—		
	—	—	—	—	129	—	—	300	327.5	571.5	687.5	—	—	—	—	—	—	—		
	109	109	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	129	129	129	—	—	—	—	350	316.5	560.5	676.5	—	—	—	—	—	—	—		
	—	—	—	—	149	—	—	—	—	—	—	—	—	—	—	—	—	—		
	149	149	149	—	169	—	—	405	310.0	554.0	670.0	—	—	—	—	—	—	—		
	169	169	169	—	—	—	—	465	297.0	541.0	657.0	—	—	—	—	—	—	—		
189	189	189	—	189	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Overview



Motor	Gearbox type						Dimensions					Terminal box							
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT	
LES180	89	89	89	–	–	–	245	336.0	593.5	722.5	352.5	TB1K01	292.0	197	265	153	2xM40x1.5	1 1/2" + 1/2"	
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	327.0	584.5	713.5	–								
	109	109	109	–	–	–	–	–	–	–	–								
	129	129	129	–	–	–	350	316.0	573.5	702.5	–								
	–	–	–	–	149	–	–	–	–	–	–								
	149	149	149	–	169	–	405	309.5	567.0	696.0	–								
LES180	169	169	169	–	–	–	465	296.0	553.5	682.5	–	TB1K01	292.0	197	265	153	2xM40x1.5	1 1/2" + 1/2"	
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	327.0	584.5	713.5	–								
	109	109	109	–	–	–	–	–	–	–	–								
	129	129	129	–	–	–	350	316.0	573.5	702.5	–								
	–	–	–	–	149	–	–	–	–	–	–								
LES180Z	149	149	149	–	169	–	405	309.5	567.0	696.0	–	TB1K01	292.0	197	265	153	2xM40x1.5	1 1/2" + 1/2"	
	169	169	169	–	–	–	465	296.0	553.5	682.5	–								
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	357.0	614.5	743.5	–								
	109	109	109	–	–	–	–	–	–	–	–								
	129	129	129	–	–	–	350	346.0	603.5	732.5	–								
LES180Z	–	–	–	–	149	–	–	–	–	–	–	TB1K01	292.0	197	265	153	2xM40x1.5	1 1/2" + 1/2"	
	149	149	149	–	169	–	405	339.5	597.0	726.0	–								
	169	169	169	–	–	–	465	326.0	583.5	712.5	–								
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	391.5	652.5	799.5	392.5								
	109	109	109	–	–	–	–	–	–	–	–								
LES200	129	129	129	–	–	–	350	380.5	641.5	788.5	–	TB1L01	315.0	197	266	154	2xM50x1.5	1 1/2" + 1/2"	
	–	–	–	–	149	–	–	–	–	–	–								
	149	149	149	–	169	–	405	374.0	635.0	782.0	–								
	169	169	169	–	–	–	465	360.5	621.5	768.5	–								
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	416.5	677.5	824.5	392.5								
LES200Z	109	109	109	–	–	–	–	–	–	–	–	TB1L01	315.0	197	266	154	2xM50x1.5	1 1/2" + 1/2"	
	129	129	129	–	–	–	350	405.5	666.5	813.5	–								
	–	–	–	–	149	–	–	–	–	–	–								
	149	149	149	–	169	–	405	399.0	660.0	807.0	–								
	169	169	169	–	–	–	466	385.5	646.5	793.5	–								
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
LES225	129	129	129	–	–	–	350	420.0	698.0	937.0	439.0	TB1L01 TB1N01	337.0 407.5	197 233	266 319	154 174	2xM50x1.5 2xM63x1.5	1 1/2" + 1/2" –	
	–	–	–	–	149	–	–	–	–	–	–								
	149	149	149	–	169	–	405	402.5	680.5	919.5	–								
	169	169	169	–	–	–	465	388.0	666.0	905.0	–								
	189	189	189	–	189	–	–	–	–	–	–								
	–	–	–	–	109	–	–	–	–	–	–								
	–	–	–	–	129	–	300	420.0	698.0	937.0	439.0								

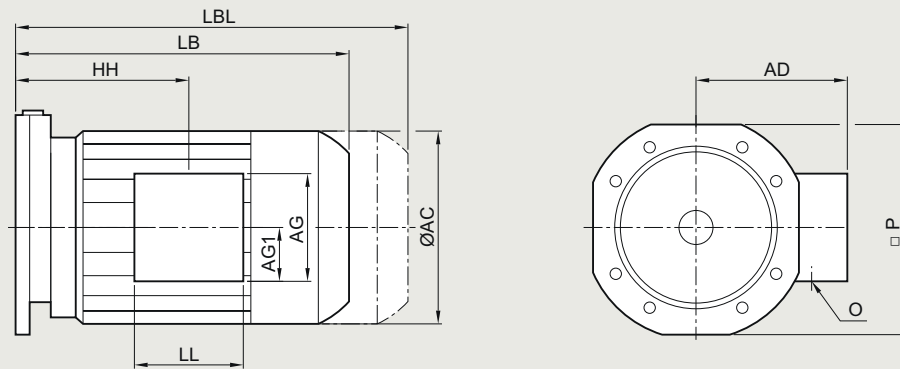
¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Motors

Dimensions

Motor frame sizes LES225Y to LES250

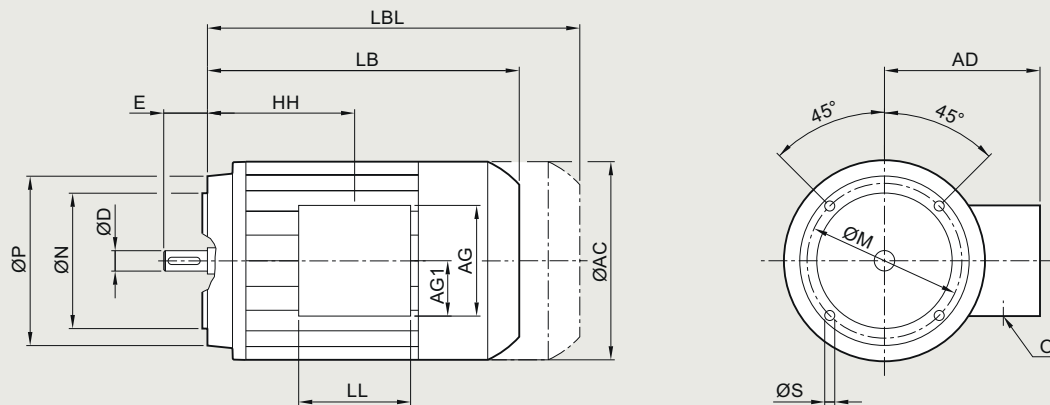
Overview



Motor	Gearbox type						Dimensions					Terminal box						
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric	O NPT
LES225Y	–	–	–	–	129	–	300	480.0	758.0	997.0	439.0	TB1L01	337.0	197	266	154	2xM50x1.5	1 1/2"+1/2"
	109	109	109	–	–	–						TB1N01	407.5	233	319	174	2xM63x1.5	–
	129	129	129	–	–	–	350	469.0	747.0	986.0								
	–	–	–	–	149	–												
	149	149	149	–	169	–	405	462.5	740.5	979.5								
	169	169	169	–	–	–	465	448.0	726.0	965.0								
LES250	189	189	189	–	189	–												
	129	129	129	–	–	–	350	487.5	798.5	1 023.5	487.0	TB1N01	407.5	233	319	174	2xM63x1.5	2 1/2"+1/2"
	–	–	–	–	149	–						TB1Q01	457.0	299	374	210	2xM63x1.5	–
	149	149	149	–	169	–	405	481.0	792.0	1 017.0								
	169	169	169	–	–	–	465	462.5	773.5	998.5								
	189	189	189	–	189	–												

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

Motors with B14 flange



Motor	Dimensions										Terminal box					
	P	HH	LB	LBL	AC	N	M	S	D	E	Type ¹⁾	AD	LL	AG	AG1	O
LEI63	90	69.5	179.5	230.5	118.0	60	75	M5	11	23	gk127	124.0	90	90	45.0	M20x1.5/ M25x1.5
											gk030	101.0	75	75	37.5	
											TB1E10	132.0	123	119.5	58.0	
LEI63Z	90	69.5	205.5	256.5	118.0	60	75	M5	11	23						
LEI71	105	63.5	210.0	261.5	139.0	70	85	M6	14	30	gk127	134.0	90	90	45.0	M20x1.5/ M25x1.5
											gk030	111.0	75	75	37.5	
											TB1E10	142.0	123	119.5	58.0	
LEI71Z	105	63.5	226.5	281.5	139.0	70	85	M6	14	30						
LEI71Y	105	63.5	266.5	321.5	139.0	70	85	M6	14	30						

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

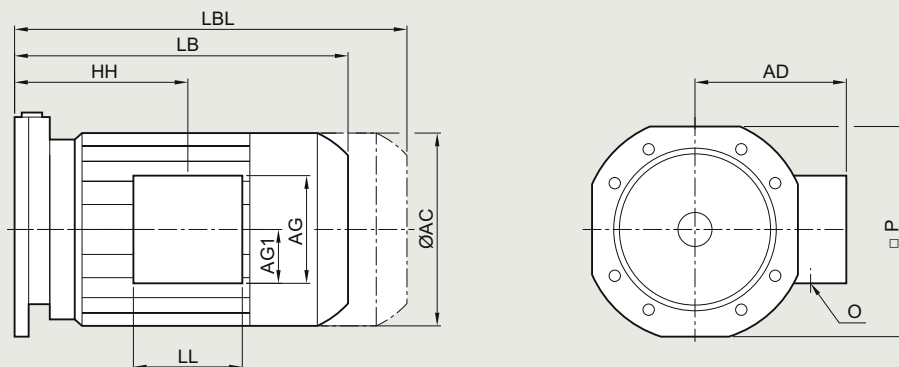
Motors

Dimensions



Explosion-protected motors - motor frame sizes MB71 to MB80Z

Overview

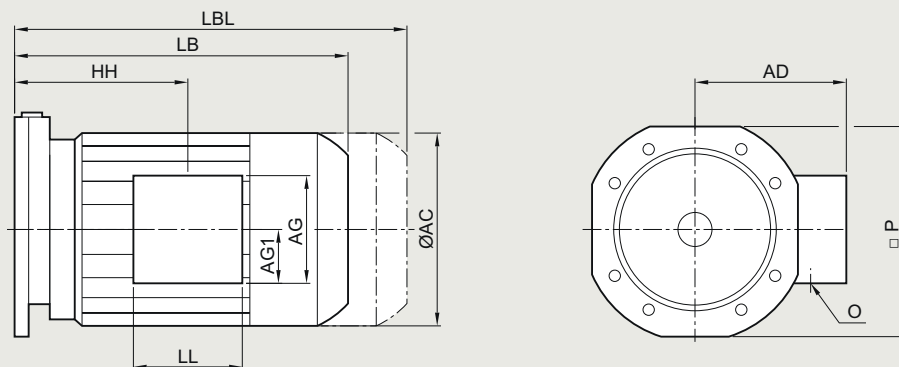


Motor	Gearbox type						Dimensions					Terminal box				
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1
MB71	29	–	29	29	–	29	120	135.0	226.0	281.0	138.8	TB1B00 ²⁾	111.0	75	75	37.5
	39	39	39	39	39	39						TB1B10 ²⁾	134.0	90	90	45.0
	49	49	49	49	49	49	160	125.5	216.5	271.5		TB1C10 ³⁾	142.0	123	119.5	58.0
	59	–	–	–	–	–										
	69	69	69	–	69	69										
	–	–	–	–	79	–										
	79	79	79	–	–	–	198	123.5	214.5	269.5						
	–	–	–	–	89	89										
MB71Z	29	–	29	29	–	29	120	135.0	245.0	300.0	138.8	TB1B00 ²⁾	111.0	75	75	37.5
	39	39	39	39	39	39						TB1B10 ²⁾	134.0	90	90	45.0
	49	49	49	49	49	49	160	125.5	235.5	290.5		TB1C10 ³⁾	142.0	123	119.5	58.0
	59	–	–	–	–	–										
	69	69	69	–	69	69										
	–	–	–	–	79	–										
	79	–	79	–	–	–	198	123.5	233.5	288.5						
	–	–	–	–	89	89										
MB80	29	–	29	29	–	29	120	170.0	290.0	350.0	156.3	TB1E10	149.2	123	119.5	58.0
	39	39	39	39	39	39						TB1E00	121.0	79	93	50.0
	49	49	49	49	49	49	160	160.5	280.5	340.5						
	59	–	–	–	–	–										
	69	69	69	–	69	69										
	–	–	–	–	79	–										
	79	–	79	–	–	–	198	154.5	274.5	334.5						
	–	–	–	–	89	89										
MB80Z	29	–	29	29	–	29	120	205.0	325.0	385.0	156.3	TB1E10	149.2	123	119.5	58.0
	39	39	39	39	39	39						TB1E00	121.0	79	93	50.0
	49	49	49	49	49	49	160	195.5	315.5	375.5						
	59	–	–	–	–	–										
	69	69	69	–	69	69										
	–	–	–	–	79	–										
	79	–	79	–	–	–	198	189.5	309.5	369.5						
	–	–	–	–	89	89										
MB80Z	89	89	89	–	–	–	245	176.5	296.5	356.5	156.3					
	–	–	–	–	109	–										
	29	–	29	29	–	29	120	205.0	325.0	385.0		TB1E10	149.2	123	119.5	58.0
	39	39	39	39	39	39						TB1E00	121.0	79	93	50.0
	49	49	49	49	49	49	160	195.5	315.5	375.5						
	59	–	–	–	–	–										
	69	69	69	–	69	69										
	–	–	–	–	79	–										

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

²⁾ Terminal box for Zone 22

³⁾ Terminal box for Zone 2


Explosion-protected motors - motor frame sizes MB90 to MB100Z
Overview


Motor	Gearbox type						Dimensions					Terminal box					
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric
MB90	29	–	29	29	–	29	120	207.5	351.5	421.5	173.8	TB1E10	154.2	123	119.5	58	M20x1.5/ M25x1.5
	39	39	39	39	39	39							TB1E00	126.0	79	93	
	49	49	49	49	49	49	160	198.0	342.0	412.0							
	59	–	–	–	–	–											
	69	69	69	–	69	69											
	–	–	–	–	79	–											
	79	–	79	–	–	–	198	192.0	336.0	406.0							
	–	–	–	–	89	89											
	89	89	89	–	–	–	245	179.0	323.0	393.0							
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	172.0	316.0	386.0							
	109	109	109	–	–	–											
129	129	129	–	–	–	350	165.0	309.0	379.0								
–	–	–	–	149	–												
MB90Z	29	–	29	29	–	29	120	247.5	391.5	461.5	173.8	TB1E10	154.2	123	119.5	58	M20x1.5/ M25x1.5
	39	39	39	39	39	39							TB1E00	126.0	79	93	
	49	49	49	49	49	49	160	238.0	382.0	452.0							
	59	–	–	–	–	–											
	69	69	69	–	69	69											
	–	–	–	–	79	–											
	79	–	79	–	–	–	198	232.0	376.0	446.0							
	–	–	–	–	89	89											
	89	89	89	–	–	–	245	219.0	363.0	433.0							
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	212.0	356.0	426.0							
	109	109	109	–	–	–											
129	129	129	–	–	–	350	205.0	349.0	419.0								
–	–	–	–	149	–												
MB100Z	29	–	29	29	–	29	120	277.5	436.5	515.0	198.0	TB1F10	170.5	135	135	67.5	2xM32x1.5
	39	39	39	39	39	39							TB1F00	166.0	112	135	
	49	49	49	49	49	49	160	268.0	427.0	505.5							
	59	–	–	–	–	–											
	69	69	69	–	69	69											
	–	–	–	–	79	–											
	79	–	79	–	–	–	198	262.0	421.0	499.5							
	–	–	–	–	89	89											
	89	89	89	–	–	–	245	245.0	404.0	482.5							
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	236.0	395.0	473.5							
	109	109	109	–	–	–											
	129	129	129	–	–	–	350	227.0	386.0	464.5							
	–	–	–	–	149	–											
149	149	149	–	169	–	405	225.5	384.5	463.0								

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

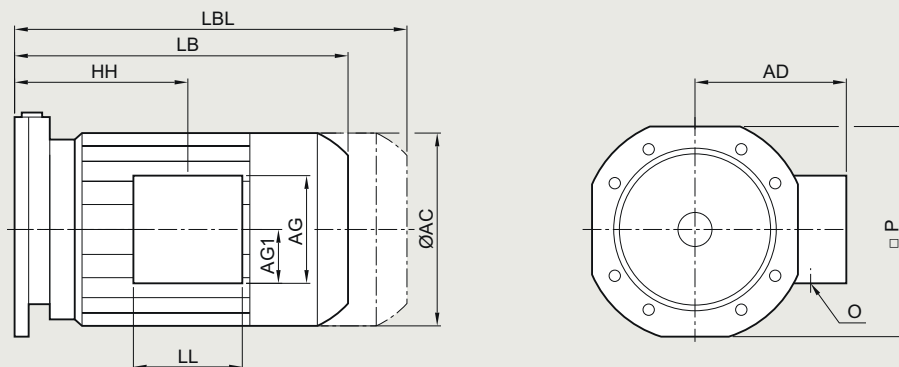
Motors

Dimensions



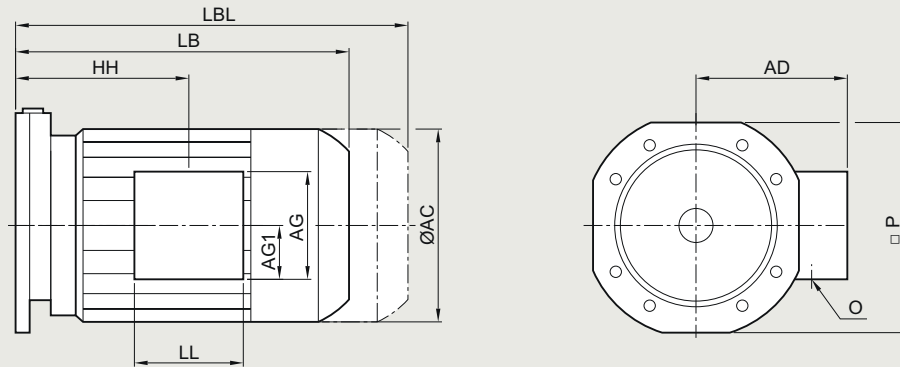
Explosion-protected motors - motor frame sizes MB112Z to MB160

Overview



Motor	Gearbox type						Dimensions					Terminal box							
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric		
MB112Z	29	–	29	29	–	29	120	269.0	432	505	222.0	TB1F10 TB1F00	181.5	135	135	67.5	2xM32x1.5		
	–	39	39	39	39	39	160						177.0	112	135	71.5			
	49	49	49	49	49	49													
	59	–	–	–	–	–													
	69	69	69	–	69	69													
	–	–	–	–	79	–													
	79	–	79	–	–	–							198	253.5	416.5	489.5			
	–	–	–	–	89	89													
	89	89	89	–	–	–	245	236.5	399.5	472.5									
	–	–	–	–	109	–													
	–	–	–	–	129	–	300	227.5	390.5	463.5									
	109	109	109	–	–	–													
	129	129	129	–	–	–	350	218.5	381.5	454.5									
	–	–	–	–	149	–													
	149	149	149	–	169	–	405	217.0	380.0	453.0									
	169	169	169	–	–	–	465	204.5	367.5	440.5									
	189	189	189	–	189	–													
MB132Z	49	49	49	49	49	49	160	316.0	502.0	606.5	264.0	TB1H10 TB1H00	207.0	162	162	81.0	2xM32x1.5		
	59	–	–	–	–	–	198						202.0	130	155	84.5			
	69	69	69	–	69	69													
	–	–	–	–	79	–													
	79	–	79	–	–	–							310.0	496.0	600.5				
	–	–	–	–	89	89													
	89	89	89	–	–	–							245	293.0	479.0	583.5			
	–	–	–	–	109	–													
	–	–	–	–	129	–	300	284.0	470.0	574.5									
	109	109	109	–	–	–													
	129	129	129	–	–	–	350	273.0	459.0	563.5									
	–	–	–	–	149	–													
	149	149	149	–	169	–	405	266.5	452.5	557.0									
	169	169	169	–	–	–	465	253.5	489.5	544.0									
	189	189	189	–	189	–													
	MB160	49	49	49	49	49	49	160	299.5	528.5	644.5		318.0	TB1J10 TB1J00	241.0	180	180	90.0	2xM40x1.5
		59	–	–	–	–	–	198							236.5	145	175	97.5	
69		69	69	–	69	69													
–		–	–	–	79	–													
79		–	79	–	–	–	293.5					522.5			638.5				
–		–	–	–	89	89													
89		89	89	–	–	–	245					276.5			505.5	621.5			
–		–	–	–	109	–													
–		–	–	–	129	–	300	267.5	496.5	612.5									
109		109	109	–	–	–													
129		129	129	–	–	–	350	256.5	485.5	601.5									
–		–	–	–	149	–													
149		149	149	–	169	–	405	250.0	479.0	595.0									
169		169	169	–	–	–	465	237.0	466.0	582.0									
189		189	189	–	189	–													

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.


Explosion-protected motors - motor frame sizes MB160Z to MB180Z
Overview


Motor	Gearbox type						Dimensions					Terminal box					
	D/Z	E	FD/FZ	B	K	C	P	HH	LB	LBL	AC	Type ¹⁾	AD	LL	AG	AG1	O metric
MB160Z	49	49	49	49	49	49	160	359.5	588.5	704.5	318.0	TB1J10	241.0	180	180	90.0	2xM40x1.5
	59	–	–	–	–	–						TB1J00	236.5	145	175	97.5	
	69	69	69	–	69	69											
	–	–	–	–	79	–											
	79	–	79	–	–	–	198	353.5	582.5	698.5							
	–	–	–	–	89	89											
	89	89	89	–	–	–	245	336.5	565.5	681.5							
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	327.5	556.5	672.5							
	109	109	109	–	–	–											
	129	129	129	–	–	–	350	316.5	545.5	661.5							
	–	–	–	–	149	–											
	149	149	149	–	169	–	405	310.0	539.0	655.0							
MB180	169	169	169	–	–	–	465	297.0	526.0	642.0							
	189	189	189	–	189	–											
	89	89	89	–	–	–	245	336.0	593.5	722.5	352.5	TB1J01	241.0	180	180	90.0	2xM40x1.5
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	327.0	584.5	713.5							
	109	109	109	–	–	–											
	129	129	129	–	–	–	350	316.0	573.5	702.5							
MB180Z	–	–	–	–	149	–											
	149	149	149	–	169	–	405	309.5	567.0	696.0							
	169	169	169	–	–	–	465	296.0	553.5	682.5							
	189	189	189	–	189	–											
	89	89	89	–	–	–	245	366.0	623.5	752.5	352.5	TB1J01	241.0	180	180	90.0	2xM40x1.5
	–	–	–	–	109	–											
	–	–	–	–	129	–	300	357.0	614.5	743.5							
	109	109	109	–	–	–											
	129	129	129	–	–	–	350	346.0	603.5	732.5							
	–	–	–	–	149	–											
	149	149	149	–	169	–	405	339.5	597.0	726.0							
	169	169	169	–	–	–	465	326.0	583.5	712.5							
	189	189	189	–	189	–											

¹⁾ Terminal box type is dependent on the motor options, see page 11/19.

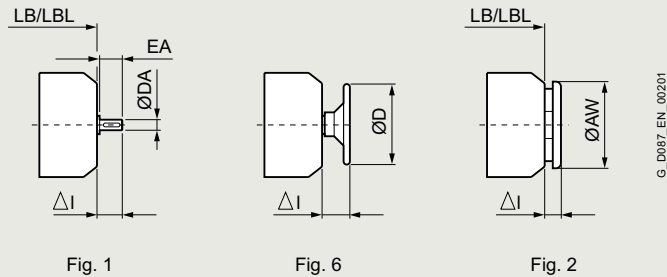
Motors

Dimensions

Additional lengths

Second shaft extension, handwheel, and canopy

More information about the second shaft extension, the handwheel and the canopy can be found in [chapter "Motor options"](#) from page 11/70.



Relevant figure Motor	1 Second shaft extension			6 Handwheel at the second shaft extension		2 Canopy	
	DA	EA	ΔI	D	ΔI	AW	ΔI
LEI63 / LEI63Z ¹⁾	–	–	–	–	–	124	27
LEI71 ¹⁾	–	–	–	–	–	124	27
LE63 / LE63Z	–	–	–	–	–	122.8	11.9
LE71 / LE71Z / LE71Y	14	30	34	100	50	137.8	25.9
LE80 / LE80Z	14	30	34	100	50	137.8	25.9
LE90 / LE90Z	19	40	45	160	65	175.8	16
LE100 / LE100Z	19	40	45	160	65	195	40
LE112 / LE112Z	24	50	56	200	77	195	40
LE132 / LE132Z	28	60	68	200	89	260	60
LE160 / LE160Z	38	80	88	315	111	260	60
LES180 / LES180Z	42	110	125	–	–	340	90
LES200 / LES200Z	48	110	130	–	–	340	90
LES225 / LES225Y	55	110	115	–	–	425	96
LES250	60	140	145	–	–	470	96

¹⁾ Only for worm geared motors S

Encoder

More information about the encoder can be found in [chapter "Motor options" from page 11/48](#).

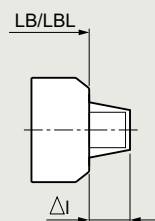


Fig. 3

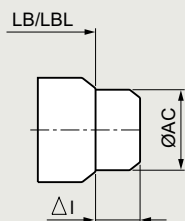


Fig. 4

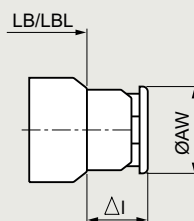


Fig. 5

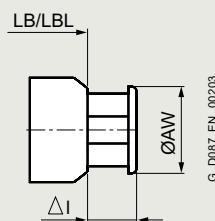


Fig. 7

Relevant figure Motor	3	4			5			7			
	Encoder with protective plate ΔI 1XP	Encoder under cover AC ΔI 1XP LL, HOG9, HOG10 IN 8.5834 IA 8.5883			Encoder under cover with canopy AW ΔI 1XP LL, HOG9, HOG10			Encoder with canopy AW ΔI 1XP LL, HOG9 HOG10			
LEI63 / LEI63Z ¹⁾	70	–	–	–	–	–	–	–	–	–	–
LEI71 ¹⁾	70	–	–	–	–	–	–	–	–	–	–
LE63 / LE63Z	70	–	–	–	–	–	–	–	–	–	–
LE71 / LE71Z / LE71Y	70	139	92.5	–	138	118.5	–	–	–	–	–
LE80 / LE80Z	70	156.5	92.5	–	138	118.5	–	155	67.5	–	–
LE90 / LE90Z	70	174	92.5	–	176	107	–	155	67.5	–	–
LE100 / LE100Z	–	174	93.5	–	176	108	–	195	83	–	–
LE112 / LE112Z	–	195	95.0	–	194	111	–	195	83	83	–
LE132 / LE132Z	–	195	95.0	–	194	111	–	260	87	87	130
LE160 / LE160Z	–	195	95.0	–	310	111	–	260	87	87	130
LES180 / LES180Z	–	195	95.0	–	310	111	–	340	91	91	131
LES200 / LES200Z	–	195	95.0	–	310	111	–	340	91	91	131
LES225 / LES225Y	–	–	–	–	–	–	–	425	87	87	158.2
LES250	–	–	–	–	–	–	–	472	87	87	158.2

¹⁾ Only for worm geared motors S

Motors

Dimensions

Additional lengths

Prepared for encoder mounting

More information about "prepared for encoder mounting" can be found in [chapter "Motor options" on page 11/64](#).

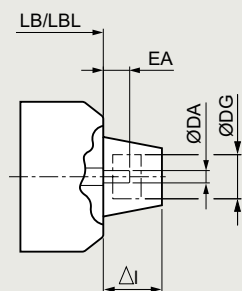


Fig. 1

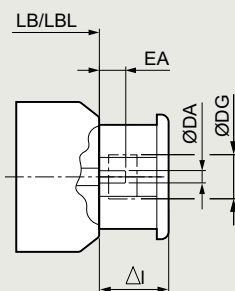


Fig. 2

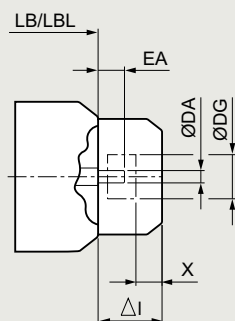


Fig. 3

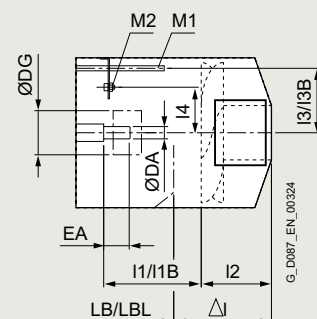


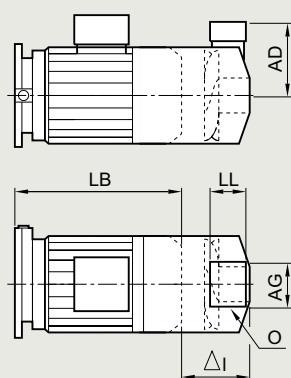
Fig. 4

Relevant figure Motor				1	2	3	4										
	DA	EA	DG	Encoder prepared with protective plate ΔI	Encoder prepared under canopy ΔI	Encoder prepared under cover ΔI X	Encoder prepared + separately driven fan + with / without brake										
LE63	12	25	max. 60	70	–	–	–	–	–	–	–	–	–	–	–	–	–
LE63Z																	
LE71		30				92.5	min. 10	229.5	134.5	95	59.0	L4, L8	115.0	59.0	37	M5x120	2xM4
LE71Z																	
LE71Y																	
LE80		30 (25) ¹⁾			67.5			213.0	121.2	95	56.0	L4, L8	95.5	67.0		M6x130	
LE80Z												L16	95.5	56.0			
												L4, L8	95.5	67.0			
												L16	95.5	56.0			
LE90								213.0	109.4	105	66.0	L8, L16	93.5	75.0			
LE90Z												L32	93.5	66.0			
												L8, L16	93.5	75.0			
												L32	93.5	66.0			
LE100		25		–	83	93.5		218.5	115.3	105	66.0	L16, L32	97.0	85.0			
LE100Z												L60	97.0	72.5		M8x160	
												L16, L32	97.0	85.0		M6x130	
												L60	97.0	72.5		M8x160	
LE112						95.0		206.0	115.5	105	72.5	L32, L60	93.5	95.0			
LE112Z																	
LE132					87			258.5	132.0	127	98.0	L80	97.5	116.0			
LE132Z												L150	97.5	98.0			
												L80	97.5	116.0			
												L150	97.5	98.0			
LE160								285.0	147.0	152	115.0	L150, L260	93.0	141.0		M8x170	
LE160Z												L150, L260	93.0	141.0			
LES180					91			274.0	162.0	151.5	157.0	L260	95.0	157.0		M10x210	
LES180Z																	
LES200								293.0	136.5	151.5	175.0	L260, L400	96.0	175.0			
LES200Z																	

¹⁾ Value in parenthesis applies to motor with separately driven fan and brake

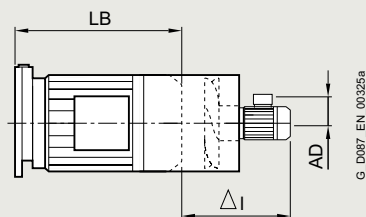
Separately driven fan, encoder, and canopy

More information about the separately driven fan can be found in [chapter "Motor options" on page 11/14](#).



LA71 ... LES200

Fig. 8



LES225 ... LES250

Fig. 8

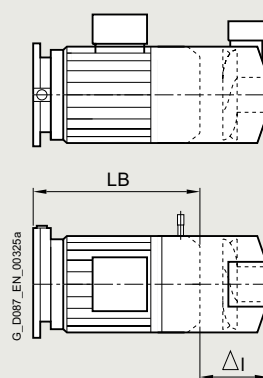


Fig. 9

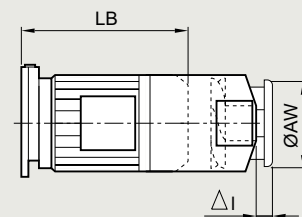


Fig. 10

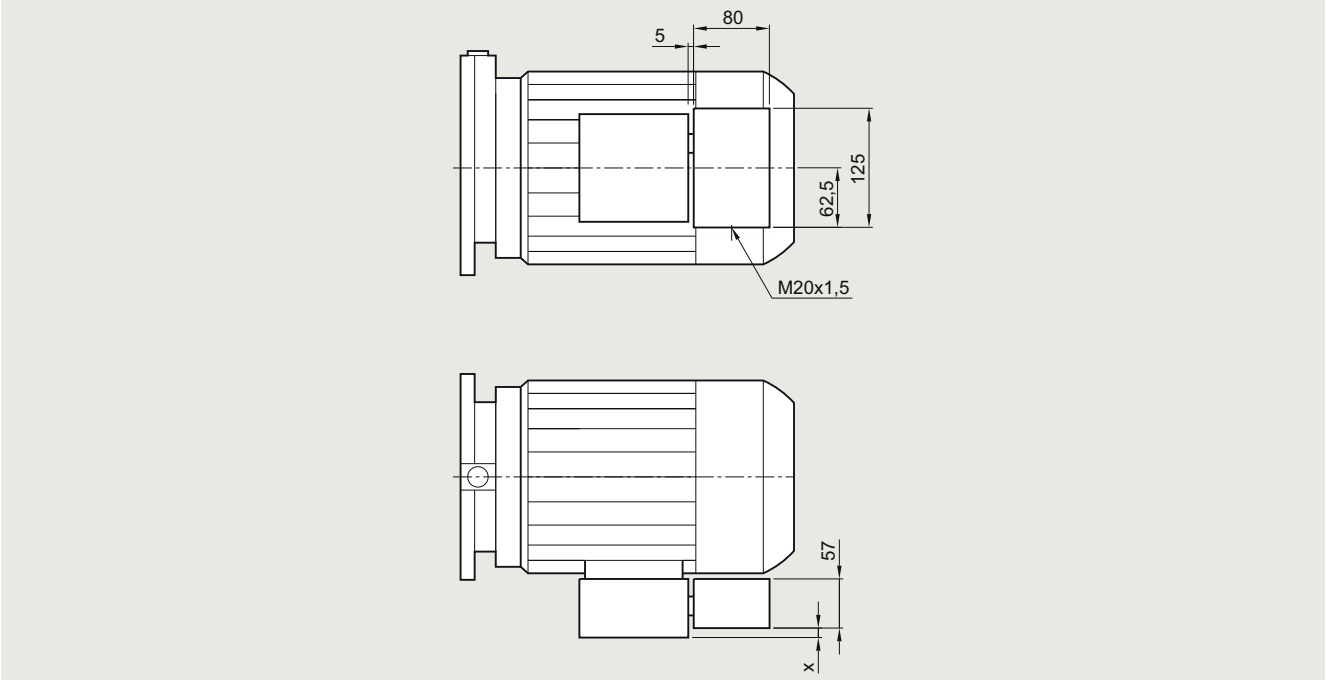
Relevant figure Motor	8 Separately driven fan					9 Brake + separately driven fan	9 Encoder + separately driven fan		9 Brake + encoder + separately driven fan			10 Canopy for separately driven fan	
	ΔI	AD	LL	AG	O	ΔI	ΔI 1XP	LL, HOG9, HOG10	ΔI 1XP	LL, HOG9	HOG10	ΔI	AW
LE63 / LE63Z	–	–	–	–	–	–	–	–	–	–	–	–	–
LE71 / LE71Z / LE71Y	110.5	124	107	105	M16x1.5	134.5	229.5	–	229.5	–	–	37	150
LE80 / LE80Z	89	134	107	105	M16x1.5	118	213	–	213	–	–	40	170
LE90 / LE90Z	85	143	107	105	M16x1.5	120	213	–	213	–	–	30	188
LE100 / LE100Z	81.5	152	107	105	M16x1.5	121.5	218.5	–	218.5	–	–	28	210
LE112 / LE112Z	81	164	107	105	M16x1.5	113	206	–	206	–	–	33	249
LE132 / LE132Z	114.5	185	107	105	M16x1.5	164.5	258.5	258.5	258.5	258.5	302.5	25	300
LE160 / LE160Z	131	211	107	105	M16x1.5	191	285	285	285	285	329	32	338
LES180 / LES180Z	132	211	107	105	M16x1.5	199	274	274	274	274	319	32	338
LES200 / LES200Z	141	211	107	105	M16x1.5	233	293	293	293	293	337	32	338
LES225 / LES225Y	227.5	101	–	–	M25x1.5 + M16x1.5	–	–	786.5	–	–	–	258	470
LES250	232.5	101	–	–	M25x1.5 + M16x1.5	–	–	826.5	–	–	–	256	525
Explosion-protected motors													
MB100 / MB100Z	81.5	152	107	105			–	–	–	–	–	28	210
MB112 / MB112Z	81.0	164	107	105			–	–	–	–	–	33	249
MB132 / MB132Z	114.5	185	107	105			–	–	–	–	–	25	300
MB160 / MB160Z	131	211	107	105			–	–	–	–	–	32	338
MB180 / MB180Z	132	211	107	105			–	–	–	–	–	32	338

Motors
Dimensions

Application terminal box

Overview

More information about the application terminal box can be found in [chapter "Motor options" on page 11/67](#).



Motor	x	Terminal box type
LE63	2.5 (3.5)	gk127 (TB1E10)
LE71	2.5 (3.5)	
LE80	3.5	TB1E10
LE90	3.5	TB1F10
LE100	7.0	
LE112	7.0	TB1H10
LE132	11.5	
LE160	19.8	TB1J10
LES180	38.0	TB1K01
LES200	39.0	TB1L01

() Dimension or terminal box type in parenthesis for terminal box with 9 terminals (YY/Y connection)

Overview

More information about the motor plug can be found in [chapter "Motor options" on page 11/21](#).

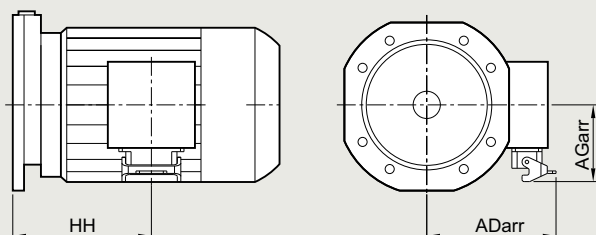


Fig. 1

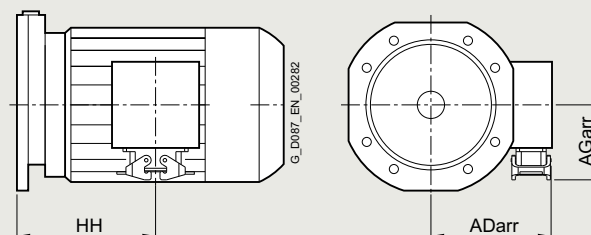


Fig. 2

Relevant figure							Fig. 1			Fig. 2		
Motor	Gearbox type						HAN 10E motor plug with one bracket			HAN 10E motor plug with two brackets		
	D/Z	FD/FZ	B	K	C	EHB	HH	ADarr	AGarr	HH	ADarr	AGarr
LE63	19	–	19	–	–	–	61.5	132	92.0	61.5	127.0	89.5
	39	29, 39	29, 39	39	29, 39	BH29, BH39	95.0			95.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	85.5			85.5		
LE63Z	19	–	19	–	–	–	87.5	132	92.0	87.5	127.0	89.5
	39	29, 39	29, 39	39	29, 39	BH29, BH39	121.0			121.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	111.5			111.5		
LE71	19	–	19	–	–	–	93.5	142.0	92.0	93.5	127.0	89.5
LE71Z	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	135.0			135.0		
LE71Y	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	125.5			125.5		
	79	79	–	89	89	–	123.5			123.5		
LE80	19	–	19	–	–	–	120.0	155.0	106.0	120.0	139.5	103.5
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	170.0			170.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	160.5			160.5		
	79	79	–	89	89	–	154.5			154.5		
	89	89	–	109	–	–	141.5			141.5		
LE80Z	19	–	19	–	–	–	155.0	155.0	106.0	155.0	139.5	103.5
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	205.0			205.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	195.5			195.5		
	79	79	–	89	89	–	189.5			189.5		
	89	89	–	109	–	–	176.5			176.5		
LE90	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	207.5	160.0	106.0	207.5	144.5	103.5
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	198.0			198.0		
	79	79	–	89	89	–	192.0			192.0		
	89	89	–	109	–	–	179.0			179.0		
	109	109	–	129	–	–	172.0			172.0		
	129	129	–	149	–	–	165.0			165.0		
LE90Z	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	247.5	160.0	106.0	247.5	144.5	103.5
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	238.0			238.0		
	79	79	–	89	89	–	232.0			232.0		
	89	89	–	109	–	–	219.0			219.0		
	109	109	–	129	–	–	212.0			212.0		
	129	129	–	149	–	–	205.0			205.0		
LE100	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	242.5	179.5	115.5	242.5	164.0	113.0
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	233.0			233.0		
	79	79	–	89	89	–	227.0			227.0		
	89	89	–	109	–	–	210.0			210.0		
	109	109	–	129	–	–	201.0			201.0		
	129	129	–	149	–	–	192.0			192.0		
	149	149	–	169	–	–	190.5			190.5		

Motors

Dimensions

HAN 10E motor plug

Overview

More information about the motor plug can be found in [chapter "Motor options" on page 11/21](#).

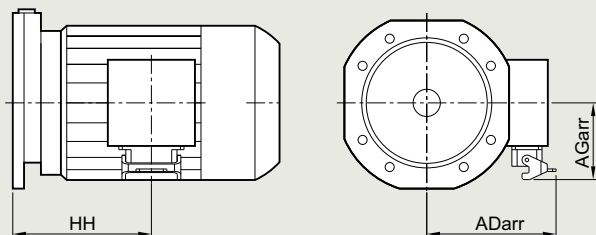


Fig. 1

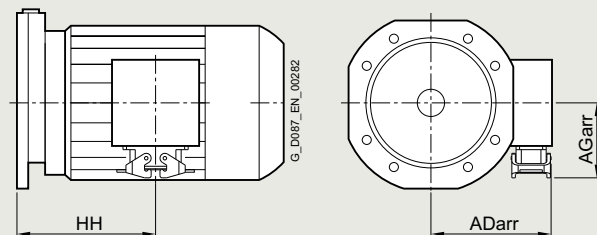


Fig. 2

Relevant figure							Fig. 1			Fig. 2		
Motor	Gearbox type						HAN 10E motor plug with one bracket			HAN 10E motor plug with two brackets		
	D/Z	FD/FZ	B	K	C	EHB	HH	ADarr	AGarr	HH	ADarr	AGarr
LE100Z	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	277.5	179.5	115.5	277.5	164.0	113.0
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	268.0			268.0		
	79	79	–	89	89	–	262.0			262.0		
	89	89	–	109	–	–	245.0			245.0		
	109	109	–	129	–	–	236.0			236.0		
	129	129	–	149	–	–	227.0			227.0		
	149	149	–	169	–	–	225.5			225.5		
LE112	29, 39	29, 39	29, 39	39	29, 39	–	244.0	190.5	115.5	244.0	175.0	113.0
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	234.5			234.5		
	79	79	–	89	89	–	228.5			228.5		
	89	89	–	109	–	–	211.5			211.5		
	109	109	–	129	–	–	202.5			202.5		
	129	129	–	149	–	–	193.5			193.5		
	149	149	–	169	–	–	192.0			192.0		
LE112Z	169, 189	169, 189	–	189	–	–	179.5			179.5		
	29, 39	29, 39	29, 39	39	29, 39	–	269.0	190.5	115.5	269.0	1175.0	113.0
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	234.5			234.5		
	79	79	–	89	89	–	253.5			253.5		
	89	89	–	109	–	–	236.5			236.5		
	–	–	–	129	–	–	227.5			227.5		
	129	129	–	149	–	–	218.5			218.5		
	149	149	–	169	–	–	217.0			217.0		
LE132	169, 189	169, 189	–	189	–	–	204.5			204.5		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	266.0	209.5	138.0	266.0	223.0	135.5
	79	79	–	89	89	–	260.0			260.0		
	89	89	–	109	–	–	243.0			243.0		
	109	109	–	129	–	–	234.0			234.0		
	129	129	–	149	–	–	223.0			223.0		
	149	149	–	169	–	–	216.5			216.5		
	169, 189	169, 189	–	189	–	–	203.5			203.5		
LE132Z	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	316.0	209.5	138.0	316.0	223.0	135.5
	79	79	–	89	89	–	310.0			310.0		
	89	89	–	109	–	–	293.0			293.0		
	109	109	–	129	–	–	284.0			284.0		
	129	129	–	149	–	–	273.0			273.0		
	149	149	–	169	–	–	266.5			266.5		
	169, 189	169, 189	–	189	–	–	253.5			253.5		

Overview

More information about the motor plug can be found in [chapter "Motor options" on page 11/22](#).

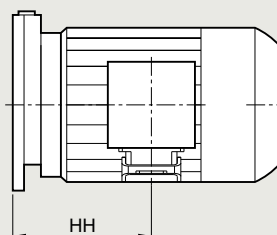


Fig. 1

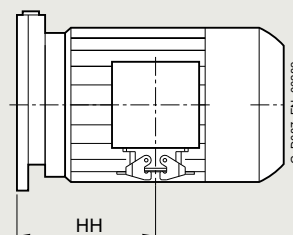
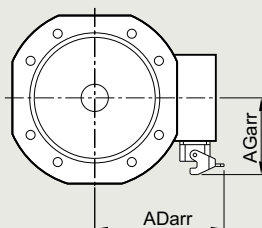
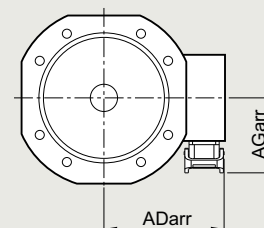


Fig. 2



Relevant figure							Fig. 1			Fig. 2		
Motor	Gearbox type						K4/4 motor plug with one bracket			K4/4 motor plug with two brackets		
	D/Z	FD/FZ	B	K	C	EHB	HH	ADarr	AGarr	HH	ADarr	AGarr
LE112	29, 39	29, 39	29, 39	39	29, 39	–	244.0	190.5	115.5	244.0	175.0	113.0
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	234.5			234.5		
	79	79	–	89	89	–	228.5			228.5		
	89	89	–	109	–	–	211.5			211.5		
	109	109	–	129	–	–	202.5			202.5		
	129	129	–	149	–	–	193.5			193.5		
	149	149	–	169	–	–	192.0			192.0		
LE112Z	169, 189	169, 189	–	189	–	–	179.5	190.5	115.5	179.5	1175.0	113.0
	29, 39	29, 39	29, 39	39	29, 39	–	269.0			269.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	234.5			234.5		
	79	79	–	89	89	–	253.5			253.5		
	89	89	–	109	–	–	236.5			236.5		
	–	–	–	129	–	–	227.5			227.5		
	129	129	–	149	–	–	218.5			218.5		
LE132	149	149	–	169	–	–	217.0	209.5	138.0	217.0	223.0	135.5
	169, 189	169, 189	–	189	–	–	204.5			204.5		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	266.0			266.0		
	79	79	–	89	89	–	260.0			260.0		
	89	89	–	109	–	–	243.0			243.0		
	109	109	–	129	–	–	234.0			234.0		
	129	129	–	149	–	–	223.0			223.0		
LE132Z	149	149	–	169	–	–	216.5	209.5	138.0	216.5	223.0	135.5
	169, 189	169, 189	–	189	–	–	203.5			203.5		
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49 ... 79	316.0			316.0		
	79	79	–	89	89	–	310.0			310.0		
	89	89	–	109	–	–	293.0			293.0		
	109	109	–	129	–	–	284.0			284.0		
	129	129	–	149	–	–	273.0			273.0		
LE160	149	149	–	169	–	–	266.5	138.5	138.0	266.5	123.0	135.5
	169, 189	169, 189	–	189	–	–	253.5			253.5		
	49 ... 69	49, 69	49	49 ... 79	49, 69	–	299.5			299.5		
	79	79	–	89	89	–	293.5			293.5		
	89	89	–	109	–	–	276.5			276.5		
	109	109	–	129	–	–	267.5			267.5		
	129	129	–	149	–	–	256.5			256.5		
LE160Z	149	149	–	169	–	–	250.0	138.5	138.0	250.0	123.0	135.5
	169, 189	169, 189	–	189	–	–	237.0			237.0		
	49 ... 69	49, 69	49	49 ... 79	49, 69	–	359.5			359.5		
	79	79	–	89	89	–	353.5			353.5		
	89	89	–	109	–	–	336.5			336.5		
	109	109	–	129	–	–	327.5			327.5		
	129	129	–	149	–	–	316.5			316.5		
	149	149	–	169	–	–	310.0			310.0		
	169, 189	169, 189	–	189	–	–	297.0			297.0		

Motors

Dimensions

HAN K4/4 motor plug

Overview

More information about the motor plug can be found in [chapter "Motor options" on page 11/22](#).

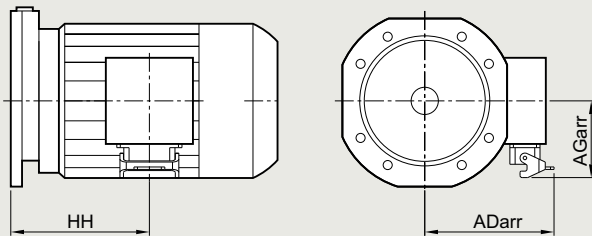


Fig. 1

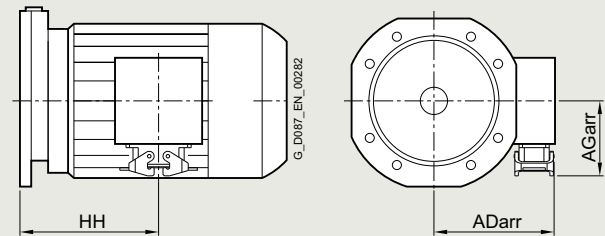


Fig. 2

Relevant figure						Fig. 1			Fig. 2		
Motor	Gearbox type					K4/4 motor plug with one bracket			K4/4 motor plug with two brackets		
	D/Z	FD/FZ	B	K	C	HH	ADarr	AGarr	HH	ADarr	AGarr
LES180	89	89	–	109	–	336.0	278.5	201.0	336.0	263.0	198.5
	109	109	–	129	–	327.0			327.0		
	129	129	–	149	–	316.0			316.0		
	149	149	–	169	–	309.5			309.5		
	169, 189	169, 189	–	189	–	296.0			296.0		
LES180Z	89	89	–	109	–	366.0	278.5	201.0	366.0	263.0	198.5
	–	–	–	129	–	357.0			357.0		
	129	129	–	149	–	346.0			346.0		
	149	149	–	169	–	339.5			339.5		
	169, 189	169, 189	–	189	–	326.0			326.0		
LES200	109	109	–	129	–	391.5	302.5	201.0	391.5	287.0	198.5
	129	129	–	149	–	380.5			380.5		
	149	149	–	169	–	374.0			374.0		
	169, 189	169, 189	–	189	–	360.5			360.5		
	109	109	–	129	–	300.0	302.5	201.0	300.0	287.0	198.5
LES200Z	129	129	–	149	–	350.0			350.0		
	149	149	–	169	–	405.0			405.0		
	169, 189	169, 189	–	189	–	466.0			466.0		

Overview

More information about the motor plug can be found in [chapter "Motor options"](#) from [page 11/24](#) to [page 11/28](#).

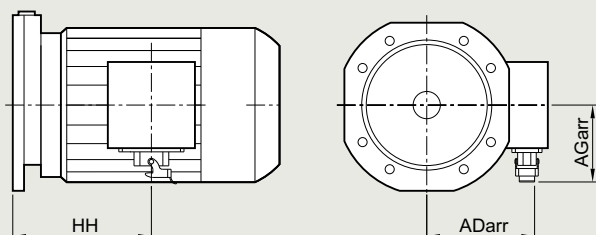


Fig. 1

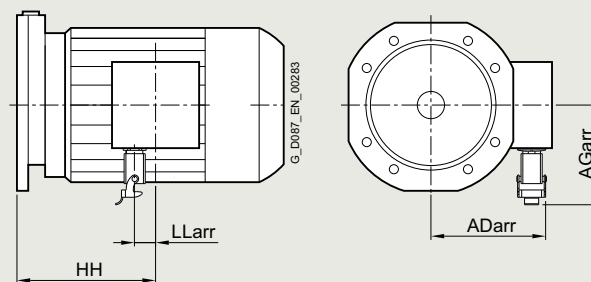


Fig. 2

Relevant figure							Fig. 1 HAN Q8 motor plug			Fig. 2 HAN Q12 motor plug			
Motor	Gearbox type						HH	ADarr	AGarr	HH	ADarr	AGarr	LLarr
LE63	D/Z	FD/FZ	B	K	C	EHB							
	19	–	19	–	–	–	61.5	110.0	87.5	61.5	104.0	109.0	18
	39	29, 39	29, 39	39	29, 39	BH29, BH39	95.0			95.0			
LE63Z	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	85.5			85.5			
	19	–	19	–	–	–	87.5	110.0	87.5	87.5	104.0	109.0	
	39	29, 39	29, 39	39	29, 39	BH29, BH39	121.0			121.0			
LE71 LE71Z LE71Y	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	111.5			111.5			
	19	–	19	–	–	–	93.5	120.0	87.5	93.5	114.0	109.0	
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	135.0			135.0			
LE80	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	125.5			125.5			
	79	79	–	89	89	–	123.5			123.5			
	19	–	19	–	–	–	120.0	134.0	107.0	120.0	128.0	122.0	
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	170.0			170.0			
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	160.5			160.5			
LE80Z	79	79	–	89	89	–	154.5			154.5			
	89	89	–	109	–	–	141.5			141.5			
	19	–	19	–	–	–	155.0	134.0	107.0	155.0	233.0	122.0	
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	205.0			205.0			
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	195.5			195.5			
LE90	79	79	–	89	89	–	189.5			189.5			
	89	89	–	109	–	–	176.5			176.5			
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	207.5	139.0	107.0	207.5	133.0	122.0	
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	198.0			198.0			
	79	79	–	89	89	–	192.0			192.0			
	89	89	–	109	–	–	179.0			179.0			
LE90Z	109	109	–	129	–	–	172.0			172.0			
	129	129	–	149	–	–	165.0			165.0			
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	247.5	139.0	107.0	247.5	152.5	122.0	
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	238.0			238.0			
	79	79	–	89	89	–	232.0			232.0			
	89	89	–	109	–	–	219.0			219.0			
LE100	109	109	–	129	–	–	212.0			212.0			
	129	129	–	149	–	–	205.0			205.0			
	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	242.5	158.5	116.5	–	–	–	–
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	233.0			–			
	79	79	–	89	89	–	227.0			–			
	89	89	–	109	–	–	210.0			–			
	109	109	–	129	–	–	201.0			–			
	129	129	–	149	–	–	192.0			–			
	149	149	–	169	–	–	190.5			–			

Motors

HAN Q8 and HAN Q12 motor plugs

Overview

More information about the motor plug can be found in [chapter "Motor options"](#) from [page 11/24](#) to [page 11/28](#).

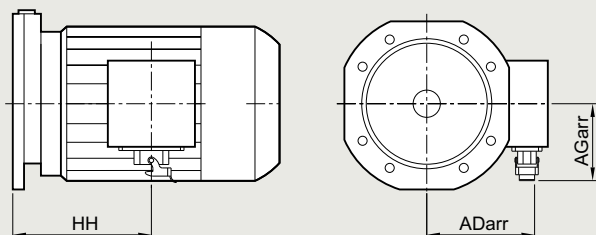


Fig. 1

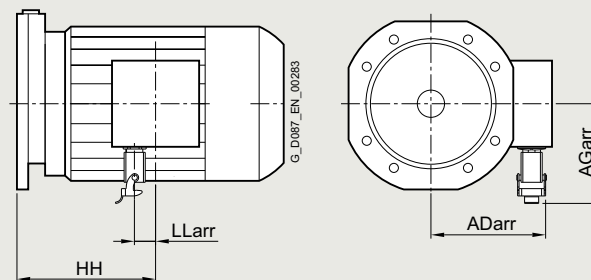


Fig. 2

Relevant figure							Fig. 1			Fig. 2			
Motor	Gearbox type						HAN Q8 motor plug			HAN Q12 motor plug			
	D/Z	FD/FZ	B	K	C	EHB	HH	ADarr	AGarr	HH	ADarr	AGarr	LLarr
LE100Z	29, 39	29, 39	29, 39	39	29, 39	BH29, BH39	277.5	158.5	116.5	–	–	–	–
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	268.0			–	–	–	–
	79	79	–	89	89	–	262.0			–	–	–	–
	89	89	–	109	–	–	245.0			–	–	–	–
	109	109	–	129	–	–	236.0			–	–	–	–
	129	129	–	149	–	–	227.0			–	–	–	–
LE112	149	149	–	169	–	–	225.5	169.5	116.5	–	–	–	–
	29, 39	29, 39	29, 39	39	29, 39	–	244.0			–	–	–	–
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	234.5			–	–	–	–
	79	79	–	89	89	–	228.5			–	–	–	–
	89	89	–	109	–	–	211.5			–	–	–	–
	109	109	–	129	–	–	202.5			–	–	–	–
LE112Z	129	129	–	149	–	–	193.5	169.5	116.5	–	–	–	–
	149	149	–	169	–	–	192.0			–	–	–	–
	169, 189	169, 189	–	189	–	–	179.5			–	–	–	–
	29, 39	29, 39	29, 39	39	29, 39	–	269.0			–	–	–	–
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	234.5			–	–	–	–
	79	79	–	89	89	–	253.5			–	–	–	–
LE132	89	89	–	109	–	–	236.5	188.5	130.0	–	–	–	–
	–	–	–	129	–	–	227.5			–	–	–	–
	129	129	–	149	–	–	218.5			–	–	–	–
	149	149	–	169	–	–	217.0			–	–	–	–
	169, 189	169, 189	–	189	–	–	204.5			–	–	–	–
	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	266.0			–	–	–	–
LE132Z	79	79	–	89	89	–	260.0	188.5	130.0	–	–	–	–
	89	89	–	109	–	–	243.0			–	–	–	–
	109	109	–	129	–	–	234.0			–	–	–	–
	129	129	–	149	–	–	223.0			–	–	–	–
	149	149	–	169	–	–	216.5			–	–	–	–
	169, 189	169, 189	–	189	–	–	203.5			–	–	–	–
LE132Z	49 ... 69	49, 69	49	49 ... 79	49, 69	KH49...79	316.0	188.5	130.0	–	–	–	–
	79	79	–	89	89	–	310.0			–	–	–	–
	89	89	–	109	–	–	293.0			–	–	–	–
	109	109	–	129	–	–	284.0			–	–	–	–
	129	129	–	149	–	–	273.0			–	–	–	–
	149	149	–	169	–	–	266.5			–	–	–	–
LE132Z	169, 189	169, 189	–	189	–	–	253.5			–	–	–	–
	169, 189	169, 189	–	189	–	–	253.5			–	–	–	–