

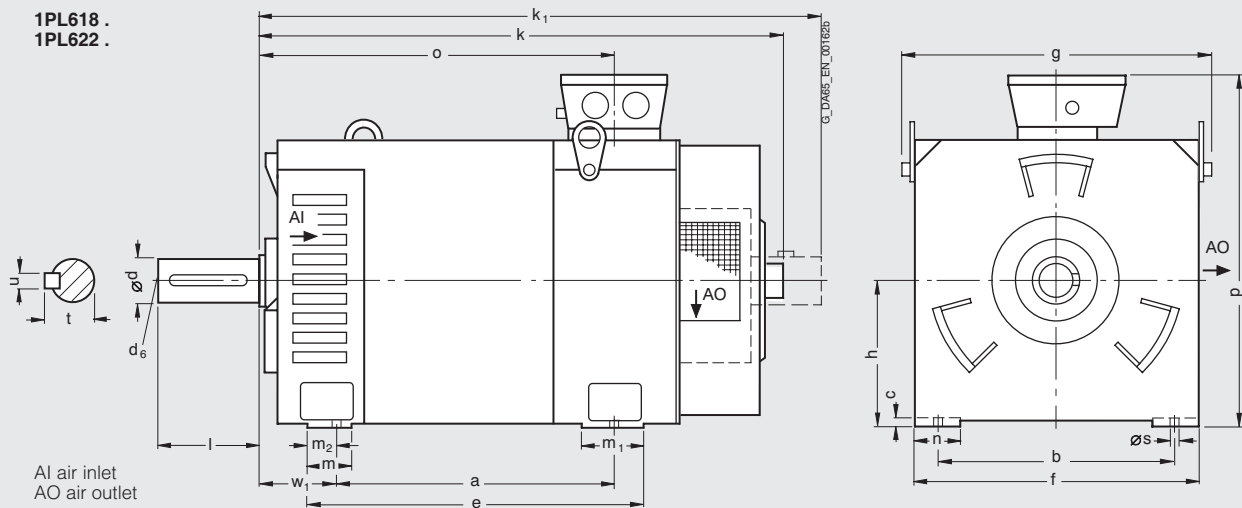
AC motors

Dimension drawings - asynchronous motors

1PL6 motors
Forced ventilation

For motor		Dimensions in mm (in)														
Shaft height	Type	DIN IEC	a B	b A	c LA	e M	f AB	g AC	h H	k LB	k ₁ –	m BA	m ₁ –	m ₂ –	n AA	o –
Type IM B3, forced ventilation, air-flow direction DE to NDE																
180	1PL6184		430 (16.93)	279 (10.98)	14 (0.55)	525 (20.67)	360 (14.17)	405 (15.94)	180 (7.09)	835 (32.87)	–	78 (3.07)	120 (4.72)	50 (1.97)	65 (2.56)	541 (21.30)
	1PL6186		520 (20.47)			615 (24.21)				925 (36.42)						631 (24.84)
225	1PL6224		445 (17.52)	356 (14.02)	18 (0.71)	545 (21.46)	450 (17.72)	498 (19.61)	225 (8.86)	–	1100 (43.31)	80 (3.15)	120 (4.72)	60 (2.36)	85 (3.35)	629 (24.76)
	1PL6226		545 (21.46)			645 (25.39)					1200 (47.24)					729 (28.70)
	1PL6228		635 (25.00)			735 (28.94)					1290 (50.79)					819 (32.24)

			Terminal box type 1XB7...					DE shaft extension				
Shaft height	Type	DIN IEC	...322	...422	...700	s K	w ₁ C	d D	d ₆ –	l E	t GA	u F
			p ¹⁾ HD	p ¹⁾ HD	p ¹⁾ HD							
180	1PL6184		495 (19.49)	560 (22.05)	–	14.5 (0.57)	121 (4.76)	60 (2.36)	M20	140 (5.51)	64 (2.52)	18 (0.71)
	1PL6186				580 (22.83)			65 (2.56)			69 (2.72)	
225	1PL6224		595 (23.43)	645 (25.39)	680 (26.77)	18.5 (0.73)	149 (5.87)	75 (2.95)	M20	140 (5.51)	79.5 (3.13)	20 (0.79)
	1PL6226			–								
	1PL6228			–								



¹⁾ Maximum dimensions, depending on electrical version (terminal box type).

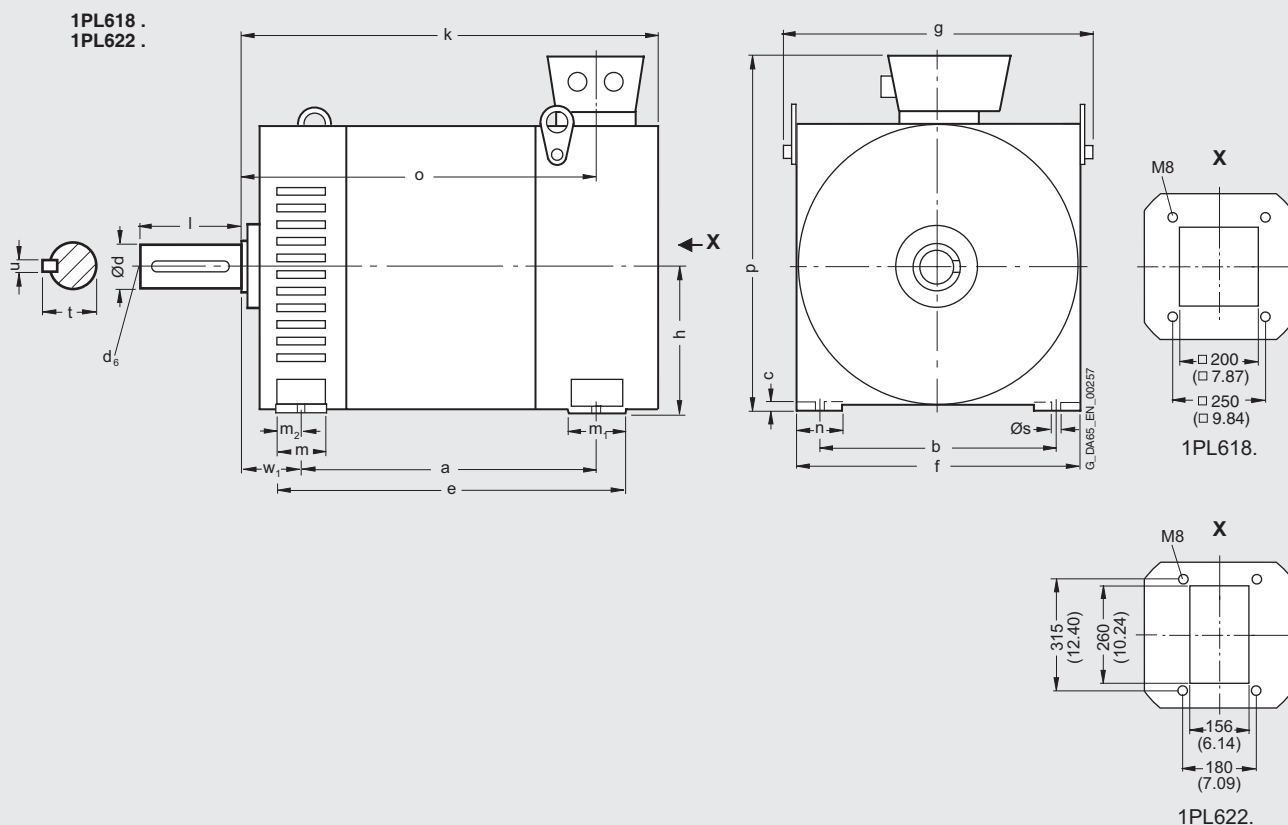
AC motors

Dimension drawings - asynchronous motors

1PL6 motors Forced ventilation

For motor		Dimensions in mm (in)														Terminal box type 1XB7...	
Shaft height	Type	DIN IEC	a	b	c	e	f	g	h	k	m	m ₁	m ₂	n	o	...422	...700
			B	A	LA	M	AB	AC	H	LB	BA	–	–	AA	–	p ¹⁾ HD	p ¹⁾ HD
Type IM B3, with external fan unit, with pipe connection at NDE																	
180	1PL6184		430 (16.93)	279 (10.98)	14 (0.55)	510 (20.08)	360 (14.17)	408 (16.06)	180 (7.09)	630 (24.80)	60 (2.36)	120 (4.72)	35 (1.38)	65 (2.56)	541 (21.30)	560 (22.05)	–
	1PL6186		520 (20.47)			600 (23.62)				720 (28.35)					631 (24.84)		680 (26.77)
225	1PL6224		445 (17.52)	356 (14.02)	18 (0.71)	530 (20.78)	450 (17.72)	498 (19.61)	225 (8.86)	750 (29.53)	60 (2.36)	120 (4.72)	40 (1.57)	80 (3.15)	629 (24.76)	–	680 (26.77)
	1PL6226		545 (21.46)			630 (24.80)				850 (33.46)					729 (28.70)		
	1PL6228		635 (25.00)			720 (28.35)				940 (37.01)					819 (32.24)		

DE shaft extension									
Shaft height	Type	DIN IEC	s K	w ₁ C	d D	d ₆ -	l E	t GA	u F
180	1PL6184		14.5 (0.57)	121 (4.76)	60 (2.36)	M20	140 (5.51)	64 (2.52)	18 (0.71)
	1PL6186				65 (2.56)			69 (2.72)	
225	1PL6224		18.5 (0.73)	149 (5.87)	75 (2.95)	M20	140 (5.51)	79.5 (3.13)	20 (0.79)
	1PL6226								
	1PL6228								



¹⁾ Maximum dimensions, depending on electrical version (terminal box type).

AC motors

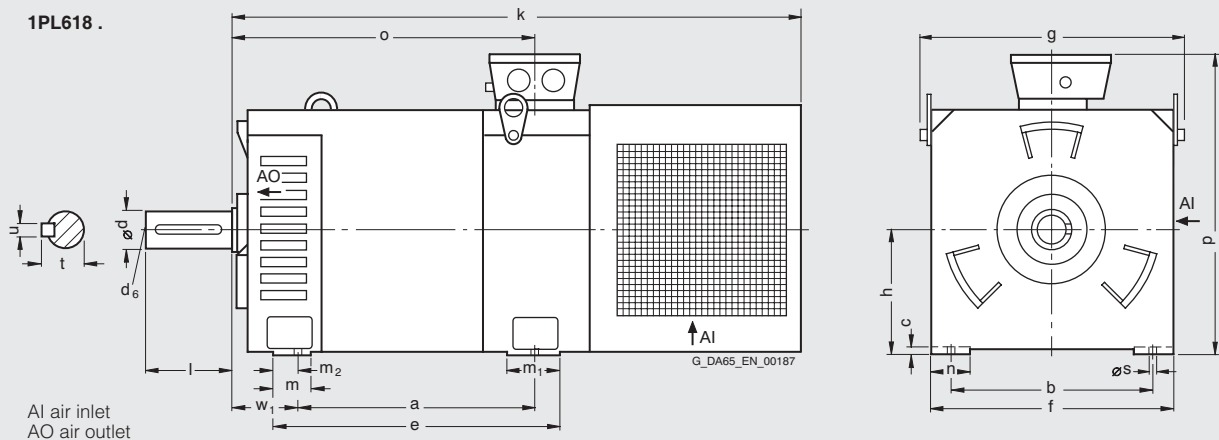
Dimension drawings - asynchronous motors

1PL6 motors
Forced ventilation

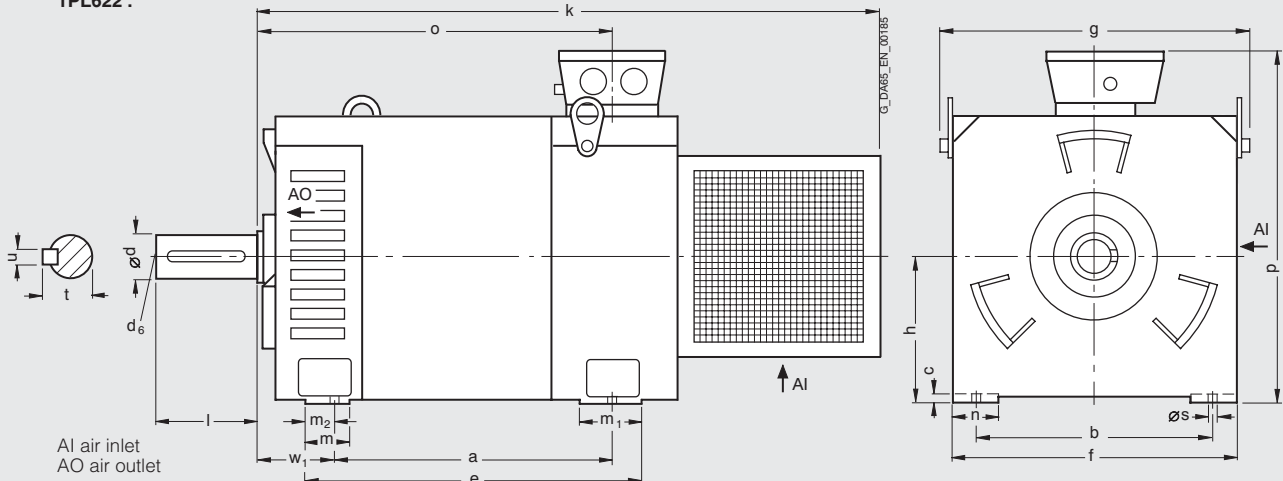
For motor		Dimensions in mm (in)															Terminal box type 1XB7...		
Shaft height	Type	DIN IEC	a B	b A	c LA	e M	f AB	g AC	h H	k LB	m BA	m ₁ -	m ₂ -	n AA	o -	p ¹⁾ HD	...322	...422	...700
Type IM B3, forced ventilation, air-flow direction NDE to DE																			
180	1PL6184		430 (16.93)	279 (10.98)	14 (0.55)	525 (20.67)	360 (14.17)	405 (15.94)	180 (7.09)	1010 (39.76)	78 (3.07)	120 (4.72)	50 (1.97)	65 (2.56)	541 (21.30)	495 (19.49)	560 (22.05)	-	-
	1PL6186		520 (20.47)			615 (24.21)				1100 (43.31)					631 (24.84)		580 (22.83)		
225	1PL6224		445 (17.52)	356 (14.02)	18 (0.71)	545 (21.46)	450 (17.72)	498 (19.61)	225 (8.86)	1090 (42.91)	80 (3.15)	120 (4.72)	60 (2.36)	85 (3.35)	629 (24.76)	595 (23.43)	645 (25.39)	680 (26.77)	
	1PL6226		545 (21.46)			645 (25.39)				1190 (46.85)					729 (28.70)		-		
	1PL6228		635 (25.00)			735 (28.94)				1280 (50.39)					819 (32.24)		-		

For motor		DE shaft extension							
Shaft height	Type	DIN IEC	s K	w ₁ C	d D	d ₆ -	l E	t GA	u F
180	1PL6184		14.5 (0.57)	121 (4.76)	60 (2.36)	M20	140 (5.51)	64 (2.52)	18 (0.71)
	1PL6186				65 (2.56)			69 (2.72)	
225	1PL6224		18.5 (0.73)	149 (5.87)	75 (2.95)	M20	140 (5.51)	79.5 (3.13)	20 (0.79)
	1PL6226								
	1PL6228								

1PL618 .



1PL622 .



¹⁾ Maximum dimensions, depending on electrical version (terminal box type).

AC motors

Dimension drawings - asynchronous motors

1PL6 motors Forced ventilation

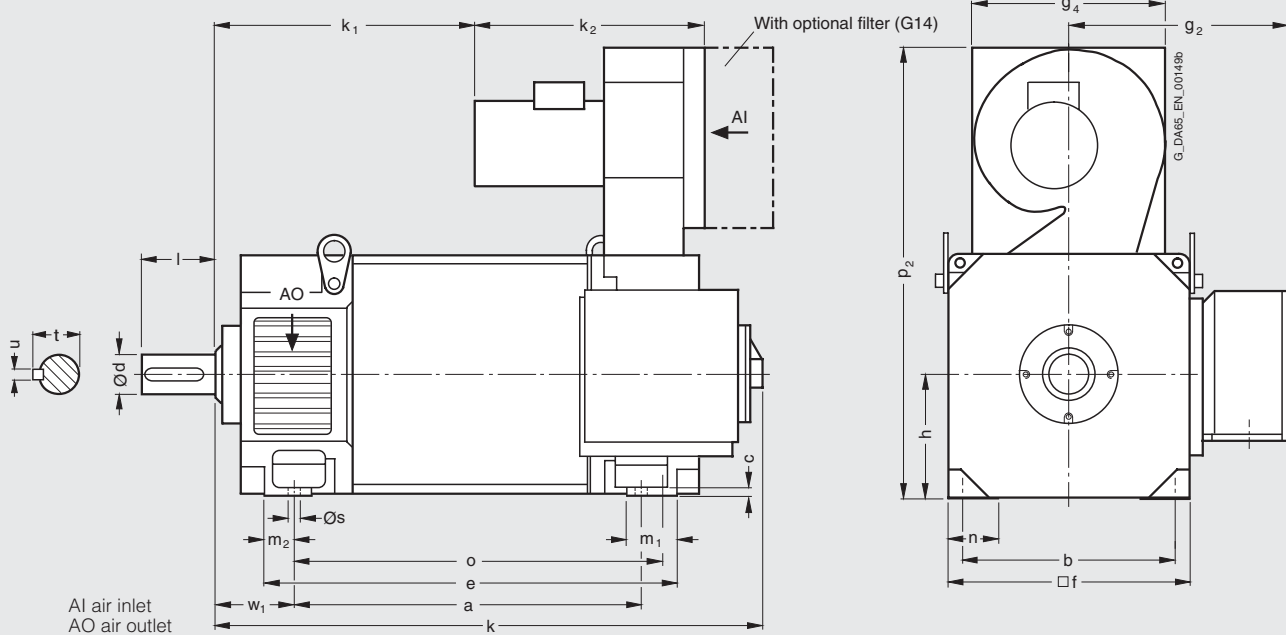
For motor Dimensions in mm (in)

Shaft height	Type	DIN IEC	a B	b A	c HA	e BB	f AB	g ₂ AD	g ₄ -	h H	k LB	k ₁ -	k ₂ -	m ₁ -	m ₂ -	n AA
Type IM B 3, forced ventilation, air-flow direction NDE to DE																
280	1PL6284		684 (26.93)	457 (17.99)	22 (0.87)	840 (33.07)	560 (22.05)	518 (20.39)	449 (17.68)	280 (11.02)	1146 (45.12)	489 (19.25)	546 (21.50)	108 (4.25)	78 (3.07)	100 (3.94)
	1PL6286		794 (31.26)			950 (37.40)					1256 (49.45)	599 (23.58)				
	1PL6288		924 (36.38)			1080 (42.52)					1386 (54.57)	729 (28.70)				

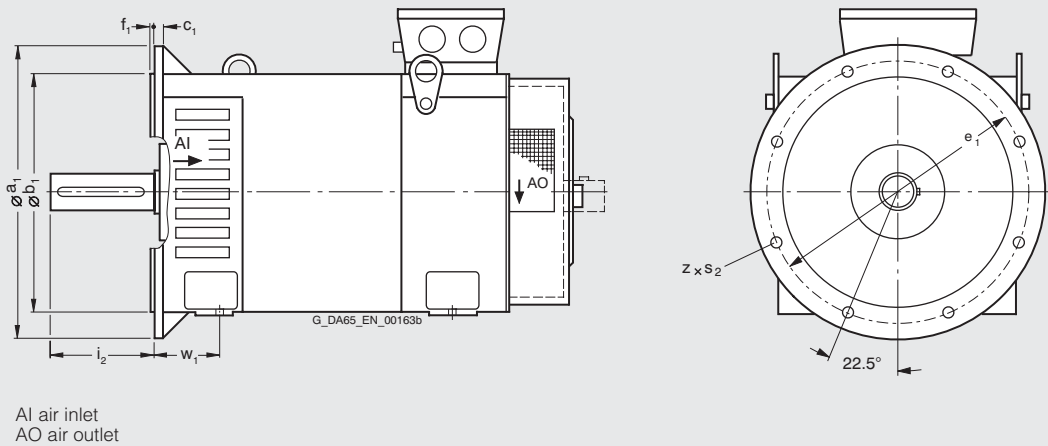
DE shaft extension

Shaft height	Type	DIN IEC	o -	p ₂ -	s K	w ₁ C	d D	l E	t GA	u F
280	1PL6284		731 (28.78)	1042 (41.02)	24 (0.94)	190 (7.48)	95 (3.74)	170 (6.69)	100 (3.94)	25 (0.98)
	1PL6286		841 (33.11)							
	1PL6288		971 (38.23)							

1PL628 .



For motor		Dimensions in mm (in)										For dimensions of the shaft and terminal box foot installation, see dimension drawing of 1PL618. and 1PL622. motors type IM B 3.
Shaft height	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f ₁ T	i ₂ —	s ₂ S	z —	w ₁ —	
Type IM B 35, forced ventilation, air-flow direction DE to NDE												
180	1PL6184		450	350	16	400	5	140	19	8	121	
	1PL6186		(17.72)	(13.78)	(0.63)	(15.75)	(0.20)	(5.51)	(0.75)		(4.76)	
225	1PL6224		550	450	18	500	5	140	19	8	149	
			(21.65)	(17.72)	(0.71)	(19.69)	(0.20)	(5.51)	(0.75)		(5.87)	
	1PL6226 1PL6228											



AC motors

Dimension drawings - asynchronous motors

1PL6 motors Forced ventilation

For motor Dimensions in mm (in)

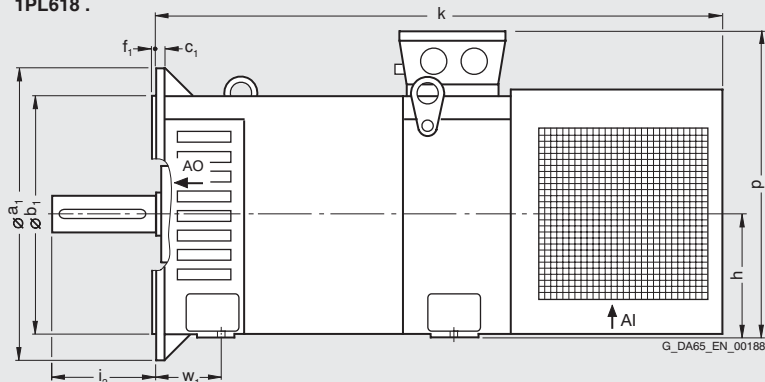
For dimensions of the shaft and terminal box foot installation, see dimension drawing of 1PL618. and 1PL622. motors type IM B 3.

Terminal box type 1XB7...

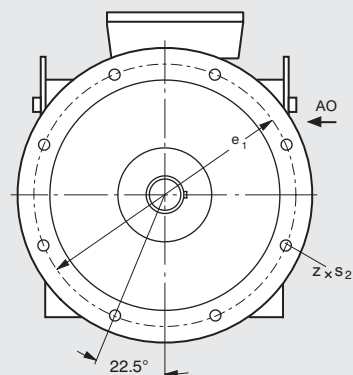
...322 ...422 ...700

Shaft height	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f ₁ T	h H	k LB	p ¹⁾ HD	p ¹⁾ HD	p ¹⁾ HD	s ₂ S	z	α
Type IM B 35, forced ventilation, air-flow direction NDE to DE															
180	1PL6184		450 (17.72)	350 (13.78)	16 (0.63)	400 (15.75)	5 (0.20)	180 (7.09)	1010 (39.76)	495 (19.49)	560 (22.05)	—	19 (0.75)	8	22.5°
	1PL6186								1100 (43.31)			580 (22.83)			
225	1PL6224		550 (21.65)	450 (17.72)	18 (0.71)	500 (19.69)	5 (0.20)	225 (8.86)	1090 (42.91)	595 (23.43)	645 (25.39)	680 (26.77)	19 (0.75)	8	22.5°
	1PL6226								1190 (46.85)		—				
	1PL6228								1280 (50.39)		—				

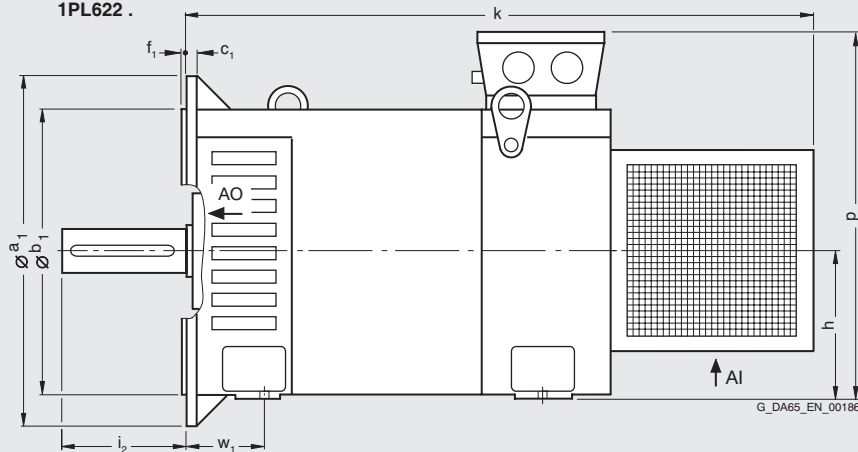
1PL618 .



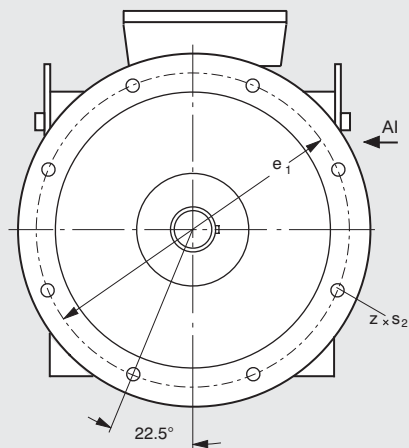
AI air inlet
AO air outlet



1PL622 .



AI air inlet
AO air outlet



¹⁾ Maximum dimensions, depending on electrical version (terminal box type).

AC motors

Dimension drawings - asynchronous motors

1PL6 motors
Forced ventilation

For motor		Dimensions in mm (in)									For dimensions of the shaft and terminal box foot installation, see dimension drawing of 1PL628. motors type IM B 3.			
Shaft height	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f ₁ T	h H	i ₂ –	k LB	k ₁ –	k ₂ –	p ₂ –	
Type IM B 35, forced ventilation, air-flow direction NDE to DE														
280	1PL6284		660 (25.98)	550 (21.65)	24 (0.94)	600 (23.62)	6 (0.24)	280 (11.02)	170 (6.69)	1146 (45.12)	489 (19.25)	546 (21.50)	1042 (41.02)	
	1PL6286									1256 (49.45)	599 (23.58)			
	1PL6288									1386 (54.57)	729 (28.70)			

1PL628 .

