

Main motors

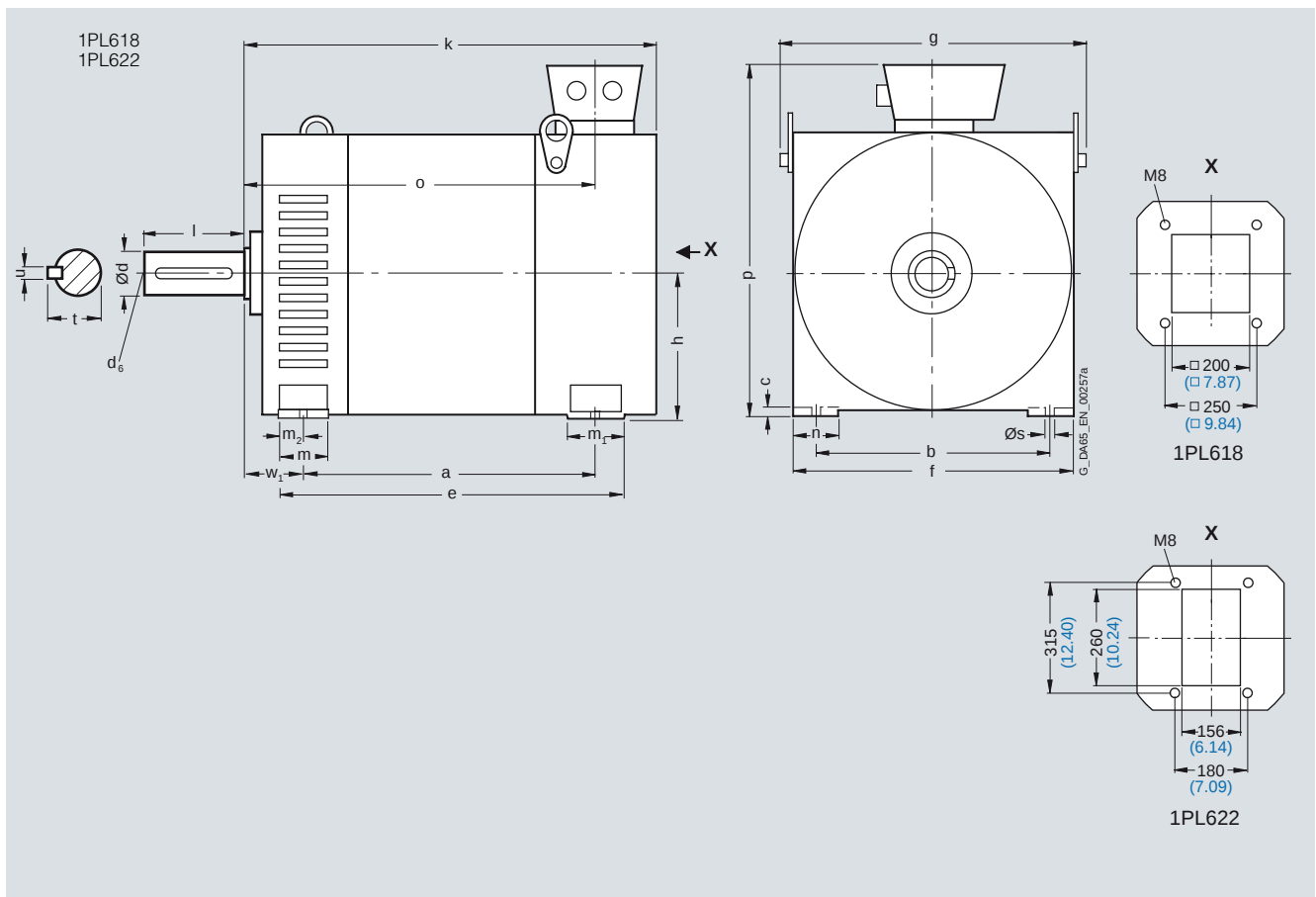
Dimensional drawings

1PL6 asynchronous motors Forced ventilation

Dimensional drawings

For motor		Dimensions in mm (inches)														Terminal box type	
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	p ¹⁾ HD
1PL6, type of construction IM B3, forced ventilation, 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 (20.87)	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)		

Shaft extension DE										
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).

Main motors

Dimensional drawings

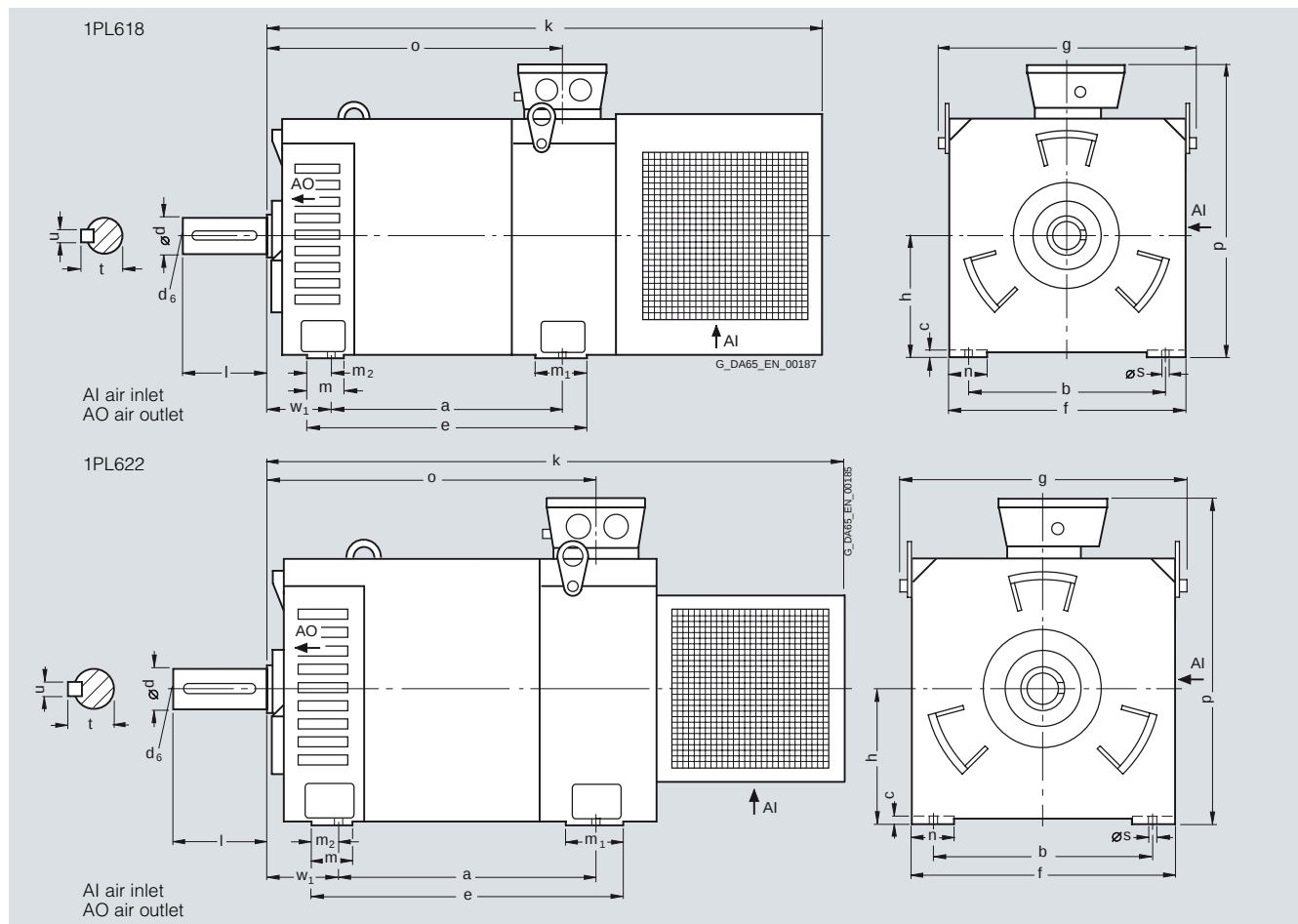
1PL6 asynchronous motors Forced ventilation

Dimensional drawings

For motor		Dimensions in mm (inches)															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	p ¹⁾ HD	p ¹⁾ HD
1PL6, type of construction IM B3, forced ventilation, direction of air flow NDE → 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)		–		

Shaft extension DE

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								

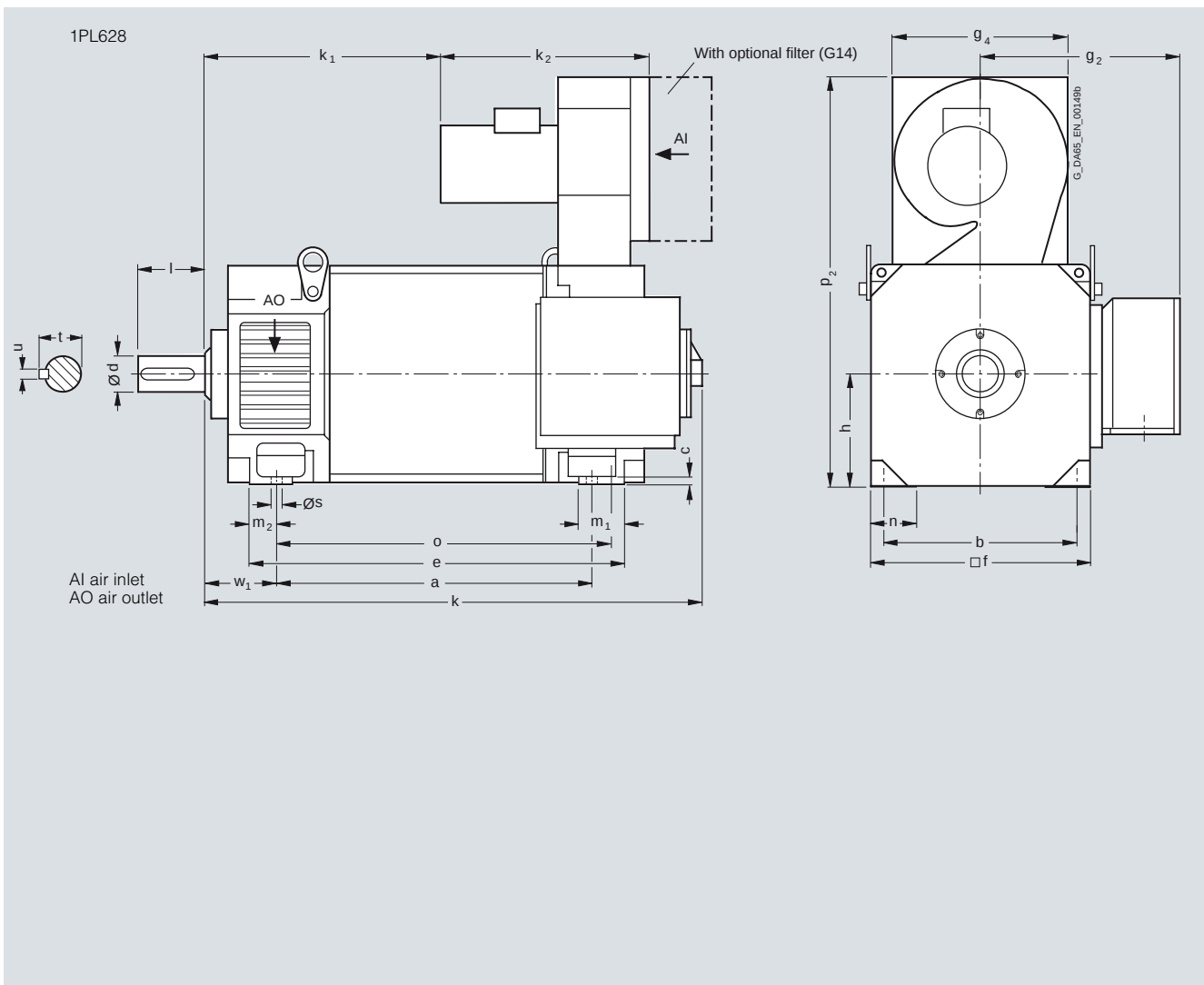


¹⁾ Maximum dimensions, depending on electrical version (terminal box).

Dimensional drawings

For motor		Dimensions in mm (inches)														
Shaft height	Type	DIN IEC	a B	b A	c LA	e M	f AB	g ₂ AD	g ₄ –	h H	k LB	k ₁ –	k ₂ –	m ₁ –	m ₂ –	n AA
1PL6, type of construction IM B3, forced ventilation, direction of air flow NDE → 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)			

Shaft extension DE											
Shaft height	Type	DIN IEC	o –	p ₂ –	s K	w ₁ C	d D	d ₆ –	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)								



Main motors

Dimensional drawings

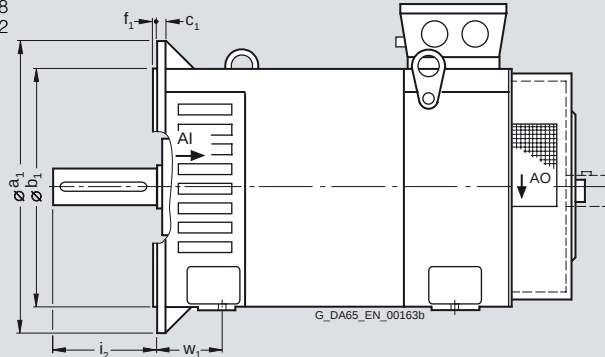
1PL6 asynchronous motors Forced ventilation

Dimensional drawings

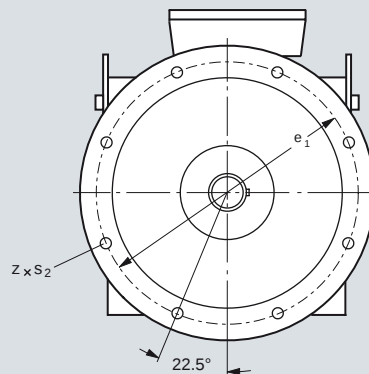
For motor Dimensions in mm (inches) For dimensions for foot mounting, shaft and terminal box, see dimensional drawing of 1PL618/1PL622 motors, type of construction IM B3.

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 —
1PL6, type of construction IM B35, forced ventilation, direction of air flow DE → NDE											
180	1PL6184		450 (17.72)	350 (13.78)	16 (0.63)	400 (15.75)	5 (0.20)	140 (5.51)	19 (0.75)	8	121 (4.76)
	1PL6186										
225	1PL6224		550 (21.65)	450 (17.72)	18 (0.71)	500 (19.69)	5 (0.20)	140 (5.51)	19 (0.75)	8	149 (5.87)
	1PL6226										
	1PL6228										

1PL618
1PL622



AI air inlet
AO air outlet



Main motors

Dimensional drawings

1PL6 asynchronous motors Forced ventilation

Dimensional drawings

For motor Dimensions in mm (inches)

For dimensions for foot mounting, shaft and terminal box see dimensional drawing of 1PL618/1PL622 motors, type of construction IM B3.

Terminal box type

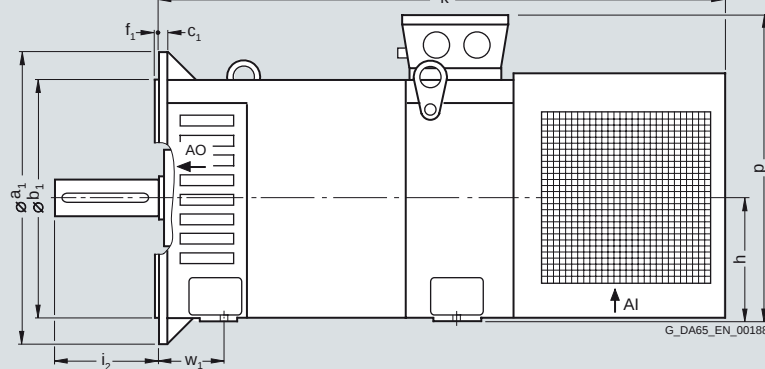
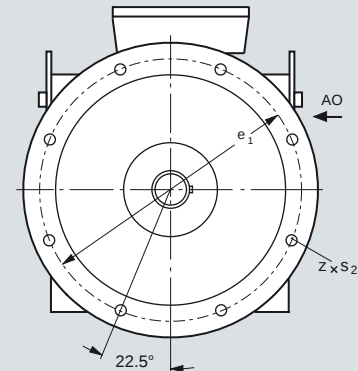
1XB7322 1XB7422 1XB7700

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
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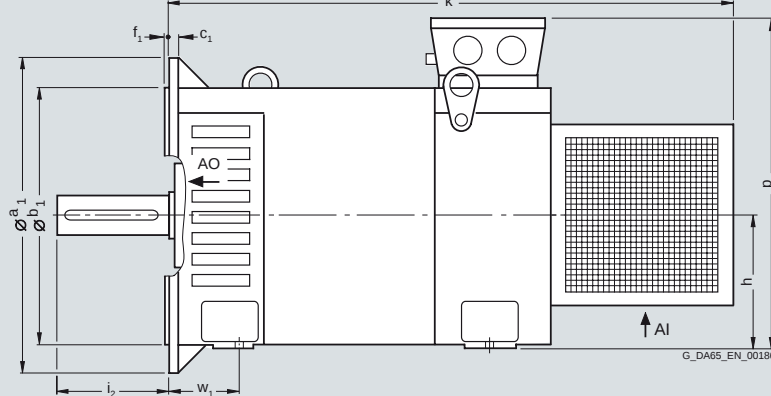
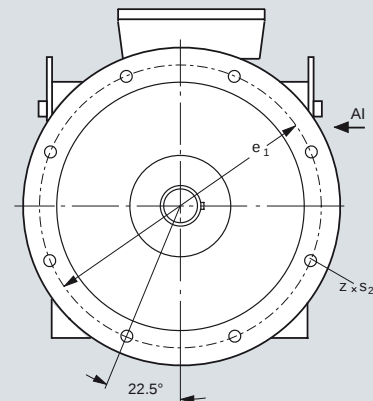
1PL6, type of construction IM B35, forced ventilation, direction of air flow NDE → DE

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
	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
	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).

Main motors

Dimensional drawings

1PL6 asynchronous motors Forced ventilation

Dimensional drawings

For motor Dimensions in mm (inches)

For dimensions for foot mounting, shaft and terminal box, see the dimensional drawing of 1PL628 motors, type of construction IM B3.

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
1PL6, type of construction IM B35, forced ventilation, direction of air flow NDE → 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)		

