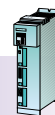


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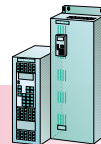
Dimension drawings

1PH7 asynchronous servomotors

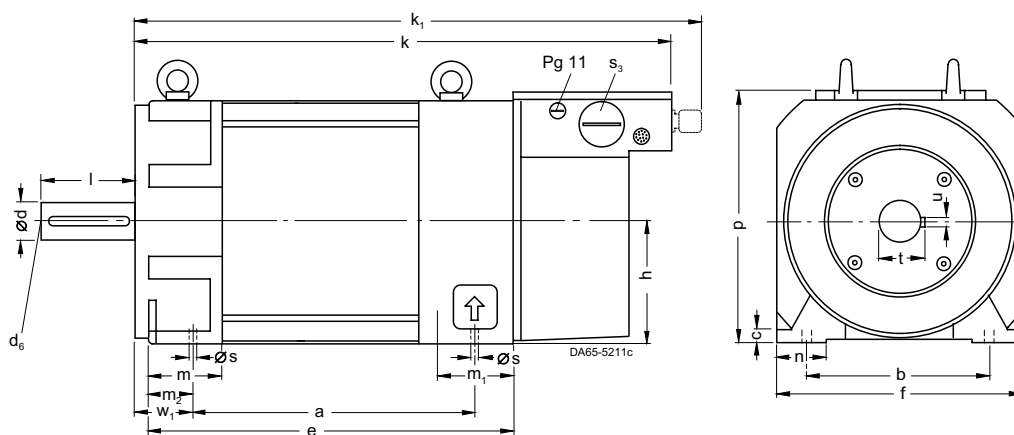
Compact
PLUS units

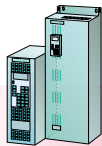


Compact and
chassis units



For motor		Dimension in mm (inches)																	D-end of shaft					
Size	Type	DIN IEC	a B	b A	c LA	e M	f AB	h H	k LB	k ₁ –	m BA	m ₁ –	m ₂ –	n AA	p HD	s K	s ₃ –	w ₁ C	d D	d ₆ –	l E	t GA	u F	
Type of construction IM B3																								
100	1PH7101		202.5 (7.97)	160 (6.2)	11 (0.43)	263 (10.35)	196 (7.7)	100 (3.9)	411 (16.18)	434 (17.09)	52 (2.04)	64 (2.51)	27 (1.06)	39 (1.53)	220 (8.6)	12 (0.47)	Pg 29	40 (1.57)	38 (1.49)	M12	80 (3.14)	41 (1.61)	10 (0.39)	
	1PH7103									</														





Compact and
chassis units



Compact
PLUS units

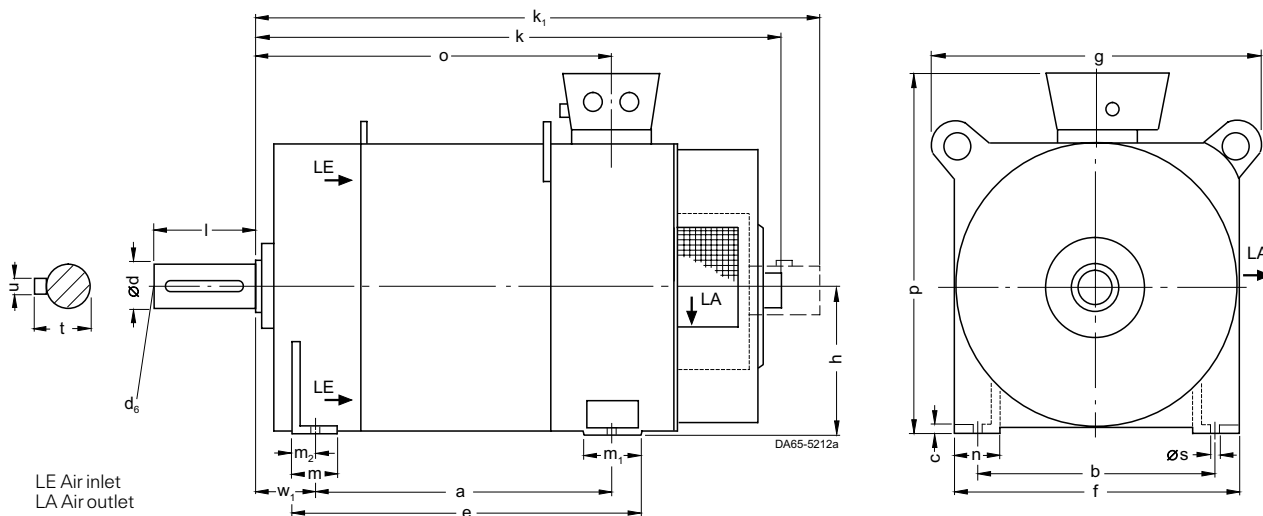
SIMOVER MASTERDRIVES Motion Control

Dimension drawings

1PH7 asynchronous servomotors

For motor		Dimension in mm (inches)																	
Size	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 –	p ¹⁾ HD	s K	w ₁ C
Type of construction IM B3, air-flow from D-end to ND-end																			
180	1PH7184		430 (16.9)	279 (10.9)	14 (0.55)	510 (20)	360 (14.1)	395 (15.5)	180 (7)	820 (32.28)	–	52 (2.04)	110 (4.3)	35 (1.37)	65 (2.55)	541 (21.2)	500 (19.6)	14.5 (0.57)	121 (4.7)
	1PH7186		520 (20.4)			600 (23.6)				910 (35.83)						631 (24.8)	560 (22.1)		
225	1PH7224		445 (17.5)	356 (14)	18 (0.7)	540 (21.2)	450 (17.7)	495 (19.4)	225 (8.8)	–	1100 (43.31)	60 (2.36)	110 (4.3)	40 (1.57)	85 (3.34)	629 (24.7)	680 (26.8)	18.5	

(continued)		D-end of shaft				
		DIN IEC	d D	d ₆ –	l E	t GA u F
180	1PH7184		60 (2.36)	M20	140 (5.5)	64 (2.5) 18 (0.7)
	1PH7186		65 (2.55)			69 (2.7)
225	1PH7224		75 (2.95)	M20	140 (5.5)	79.5 (3.1) 20 (0.8)
	1PH7226					
	1PH7228					



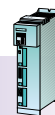
1) Maximum dimensions. Depending on the electrical design (terminal box type), smaller dimensions are also possible.

SIMOVERT MASTERDRIVES Motion Control

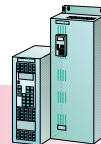
Dimension drawings

1PH7 asynchronous servomotors

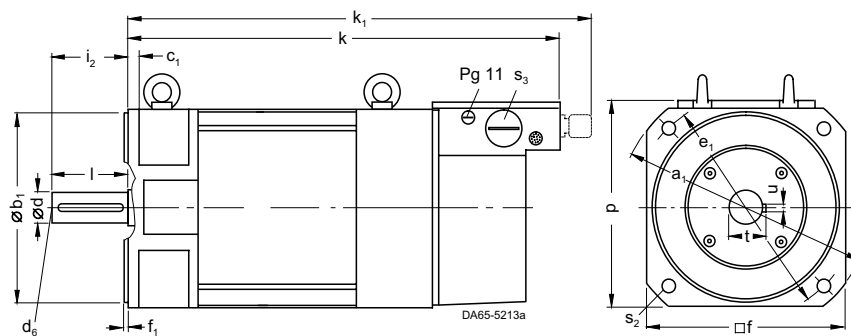
Compact
PLUS units

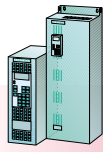


Compact and
chassis units

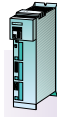


For motor		Dimension in mm (inches)													D-end of shaft					
Size	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f AB	f ₁ T	i ₂ –	k LB	k ₁ –	p HD	s ₂ S	s ₃ –	d D	d ₆ –	l E	t GA	u F	
Type of construction IM B5																				
100	1PH7101		250 (9.84)	180 (7.08)	10 (0.39)	215 (8.46)	196 (7.71)	4 (0.15)	80 (3.14)	411 (16.18)	434 (17.13)	218 (8.58)	14 (0.55)	Pg 29	38 (1.49)	M12	80 (3.14)	41 (1.61)	10 (0.38)	
	1PH7103																			
	1PH7105									506 (19.92)	529 (20.83)									
	1PH7107																			
132	1PH7131		350 (13.77)	250 (9.84)	16 (0.62)	300 (11.81)	260 (10.23)	5 (0.19)	110 (4.33)	538 (21.18)	561 (20.09)	273 (10.74)	18 (0.7)	Pg 36	42 (1.65)	M16	110 (4.33)	45 (1.77)	12 (0.47)	
	1PH7133																			





Compact and
chassis units



Compact
PLUS units

SIMOVER MASTERDRIVES Motion Control

Dimension drawings

1PH7 asynchronous servomotors

For motor		Dimension in mm (inches)																	
Size	Type	DIN IEC	a B	a ₁ P	b A	b ₁ N	c LA	e ₁ M	f AB	f ₁ T	h H	i ₂ —	k LB	k ₁ —	m BA	m ₁ —	m ₂ —	n AA	p HD
Type of construction IM B35																			
100	1PH7101		202.5 (7.97)	250 (9.84)	160 (6.29)	180 (7.08)	11 (0.4)	215 (8.4)	196 (7.7)	4 (0.1)	100 (3.93)	80 (3.14)	411 (16.18)	434 (17.13)	52 (2.04)	64 (2.5)	27 (1.06)	39 (1.53)	220 (8.66)
	1PH7103																		
	1PH7105		297.5 (11.71)										506 (19.92)	529 (20.83)					
	1PH7107																		
132	1PH7131		265.5 (10.45)	350 (13.77)	216 (8.5)	250 (9.84)	14 (0.5)	300 (11.8)	260 (10.2)	5 (0.2)	132 (5.19)	110 (4.33)	538 (21.18)	561 (22.09)	63 (2.48)	75 (2.9)	33 (1.29)	52 (2.04)	275 (10.8)
	1PH7133																		
	1PH7135		350.5 (13.79)										623 (24.53)	646 (25.43)					
	1PH7137																		
160	1PH7163		346.5 (13.64)	400 (15.74)	254 (10)	300 (11.8)	17 (0.6)	350 (13.7)	314 (12.3)	5 (0.2)	160 (6.29)	110 (4.33)	640 (25.2)	663 (26.1)	78 (3.07)	81 (3.1)	42 (1.65)	62 (2.44)	330 (12.9)
	1PH7167		406.5 (16)										700 (27.56)	723 (28.46)					

(continued)		D-end of shaft									
		DIN IEC	s K	s ₂ S	s ₃ —	w ₁ C	d D	d ₆ —	l E	t GA	u F
Type of construction IM B35											
100	1PH7101		12 (0.47)	14 (0.55)	Pg 29	40 (1.57)	38 (1.49)	M12	80 (3.14)	41 (1.61)	10 (0.39)
	1PH7103										
	1PH7105										
	1PH7107										
132	1PH7131		12 (0.47)	18 (0.7)	Pg 36	50 (1.96)	42 (1.65)	M16	110 (4.33)	45 (1.77)	12 (0.47)
	1PH7133										
	1PH7135										
	1PH7137		</								

