

Asynchronous motors

Dimension drawings

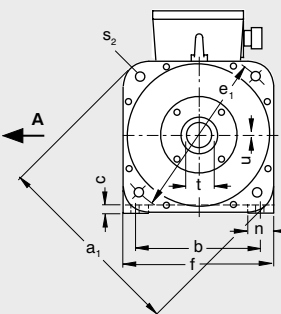
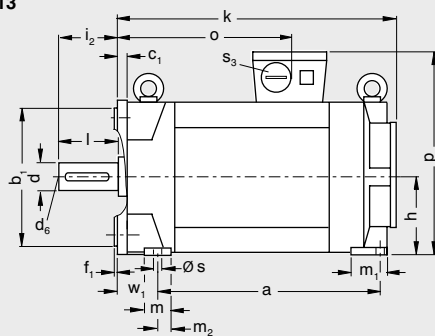
1PH4 motors

Water cooling

For motor		Dimensions in mm (in)																
Shaft height	Type	DIN IEC	a B	a ₁ P	b A	b ₁ N	c LA	c ₁ –	e ₁ –	f AB	f ₁ T	h H	i ₂ –	k LB	m BA	m ₁ –	m ₂ –	n AA
1PH4, type IM B35, water cooling																		
100	1PH4103		349 (13.74)	250 (9.84)	160 (6.30)	180 (7.09)	11 (0.43)	12 (0.47)	215 (8.46)	190 (7.48)	4 (0.16)	100 (3.94)	80 (3.15)	416 (16.38)	35 (1.38)	60 (2.36)	24 (0.94)	40 (1.57)
	1PH4105		409 (16.10)											476 (18.74)				
	1PH4107		474 (18.66)											541 (21.30)				
132	1PH4133		377 (14.84)	350 (13.78)	216 (8.50)	250 (9.84)	14 (0.55)	16 (0.63)	300 (11.81)	245 (9.65)	5 (0.20)	132 (5.20)	110 (4.33)	458 (18.03)	36 (1.42)	85 (3.35)	24 (0.94)	43 (1.69)
	1PH4135		447 (17.60)											528 (20.79)				
	1PH4137		497 (19.57)											578 (22.76)				

DE shaft extension														
Shaft height	Type	DIN IEC	o –	p HD	s K	s ₂ K	s ₃ –	w ₁ C	d D	d ₆ –	l E	t GA	u F	
100	1PH4103		244 (9.61)	259 (10.20)	12 (0.47)	14 (0.55)	PG29	44 (1.73)	38 (1.50)	M12	80 (3.15)	41 (1.61)	10 (0.39)	
	1PH4105		304 (11.97)											
	1PH4107		369 (14.53)											
132	1PH4133		264 (10.39)	334.5 (13.17)	12 (0.47)	18 (0.71)	PG36	53 (2.09)	42 (1.77)	M16	110 (4.33)	45 (1.77)	12 (0.47)	
	1PH4135		334 (13.15)											
	1PH4137		384 (15.12)											

1PH410
1PH413



Water connection
G 1/4 for 1PH410.
G 3/8 for 1PH413.

Water connection
G 1/4 for 1PH410.
G 3/8 for 1PH413.

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1PH4 motors
Water cooling

For motor		Dimensions in mm (in)																
Shaft height	Type	DIN IEC	a B	a ₁ P	b A	b ₁ N	c LA	c ₁ –	e ₁ –	f AB	f ₁ T	h H	i ₂ –	k LB	m BA	m ₁ –	m ₂ –	n AA
1PH4, type IM B35, water cooling																		
160	1PH4163		508 (20.00)	400 (15.75)	254 (10.00)	300 (11.81)	15 (0.59)	18 (0.71)	350 (13.78)	294 (11.57)	5 (0.20)	160 (6.30)	110 (4.33)	591 (23.27)	44 (1.73)	77 (3.03)	29 (1.14)	49 (1.93)
	1PH4167		563 (22.17)											646 (25.43)				
	1PH4163		608 (23.94)											691 (27.20)				

DE shaft extension													
Shaft height	Type	DIN IEC	o –	p HD	s K	s ₂ K	s ₃ –	w ₁ C	d D	d ₆ –	l E	t GA	u F
160	1PH4163		407 (16.02)	388 (15.28)	14 (0.55)	18 (0.71)	PG36	56 (2.20)	55 (2.17)	M20	110 (4.33)	59 (2.32)	16 (0.63)
	1PH4167		462 (18.19)										
	1PH4168		507 (19.96)										

1PH416