

# Asynchronous motors

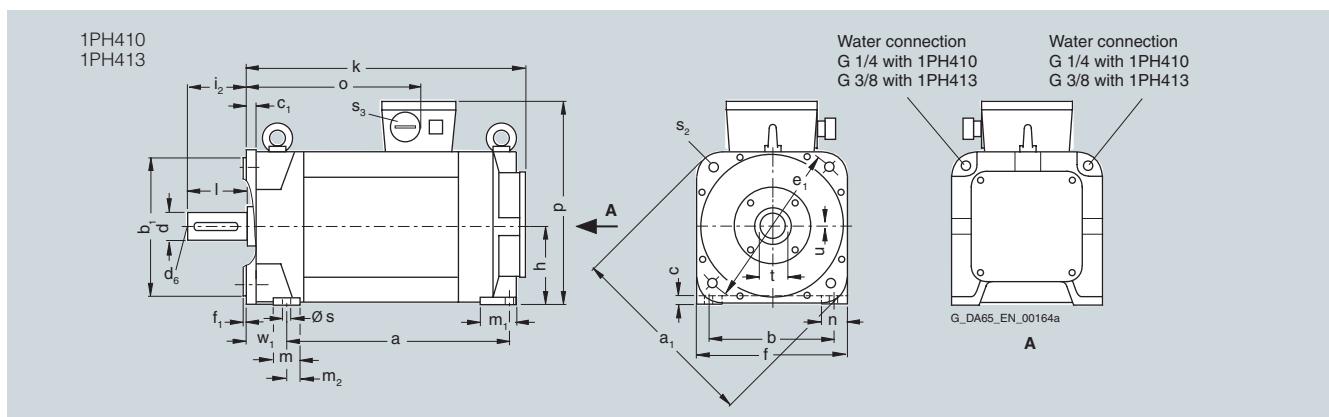
## Dimensional drawings

### 1PH4 motors Water cooling

#### Dimensional drawings

For motor		Dimensions in mm (in)																	
Shaft height	Type	DIN IEC	a	a <sub>1</sub>	b	b <sub>1</sub>	c	c <sub>1</sub>	e <sub>1</sub>	f	f <sub>1</sub>	h	i <sub>2</sub>	k	m	m <sub>1</sub>	m <sub>2</sub>	n	
<b>1PH4, type of construction IM B35, water cooling</b>																			
100	1PH4103		349	250	160	180	11	—	—	215	190	4	100	80	416	35	60	24	40
	1PH4105		(13.74)	(9.84)	(6.30)	(7.09)	(0.43)	(0.47)	(8.46)	(7.48)	(8.46)	(0.16)	(3.94)	(3.15)	(16.38)	(1.38)	(2.36)	(0.94)	(1.57)
	1PH4107		409	(16.10)											476	(18.74)			
			474	(18.66)											541	(21.30)			
132	1PH4133		377	350	216	250	14	16	300	245	5	132	110	458	36	85	24	43	
	1PH4135		(14.84)	(13.78)	(8.50)	(9.84)	(0.55)	(0.63)	(11.81)	(9.65)	(0.20)	(5.20)	(4.33)	(18.03)	(1.42)	(3.35)	(0.94)	(1.69)	
	1PH4137		447	(17.60)											528	(20.79)			
	1PH4138		497	(19.57)											578	(22.76)			
			532	(20.94)											613	(24.13)			

DE shaft extension																	
Shaft height	Type	DIN IEC	o	p	s	s <sub>2</sub>	s <sub>3</sub>	w <sub>1</sub>	d	d <sub>6</sub>	I	t	u	—	—	—	—
100	1PH4103		244	259	12	14	PG29	44	38	M12	80	41	10				
	1PH4105		(9.61)	(10.20)	(0.47)	(0.55)		(1.73)	(1.50)		(3.15)	(1.61)	(0.39)				
	1PH4107		304	(11.97)													
132	1PH4133		264	334.5	12	18	PG36	53	42	M16	110	45	12				
	1PH4135		(10.39)	(13.17)	(0.47)	(0.71)		(2.09)	(1.77)		(4.33)	(1.77)	(0.47)				
	1PH4137		334	(13.15)													
	1PH4138		384	(15.12)													
			419	(16.50)													



### Dimensional drawings

For motor		Dimensions in mm (in)																
Shaft height	Type	DIN IEC	a <sub>B</sub>	b <sub>A</sub>	b <sub>N</sub>	c <sub>LA</sub>	c <sub>1</sub>	e <sub>1</sub>	f <sub>AB</sub>	f <sub>T</sub>	h <sub>H</sub>	i <sub>2</sub>	k <sub>LB</sub>	m <sub>BA</sub>	m <sub>1</sub>	m <sub>2</sub>	n <sub>AA</sub>	
<b>1PH4, type of construction IM B35, water cooling</b>																		
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 <sub>-</sub>	p <sub>HD</sub>	s <sub>K</sub>	s <sub>2</sub> <sub>K</sub>	s <sub>3</sub> <sub>-</sub>	w <sub>1</sub> <sub>C</sub>	d <sub>D</sub>	d <sub>6</sub> <sub>-</sub>	l <sub>E</sub>	t <sub>GA</sub>	u <sub>F</sub>						
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)														

