

Motors

Dimensional drawings

1FK7 Compact synchronous motors with DRIVE-CLiQ – Natural cooling

Dimensional drawings

For motor Dimensions in mm (inches)

Shaft height	Type	DIN IEC	a ₁ P	b ₁ N	c ₁ LA	e ₁ M	f AB	f ₁ T	i ₂ –	s ₂ S	Shaft extension DE						
											d D	d ₆ –	l E	t GA	u F		
1FK7 Compact, natural cooling, DQI encoder with DRIVE-CLiQ, without/with brake																	
63	1FK706.-2A		155 (6.10)	110 (4.33)	10 (0.39)	130 (5.12)	126 (4.96)	3.5 (0.14)	50 (1.97)	9 (0.35)	24 (0.94)	M8	50 (1.97)	27 (1.06)	8 (0.31)		
80	1FK708.-2A		194 (7.64)	130 (5.12)	11.5 (0.45)	165 (6.50)	155 (6.10)	3.5 (0.14)	58 (2.28)	11 (0.43)	32 (1.26)	M12	58 (2.28)	35 (1.38)	10 (0.39)		
100	1FK710.-2A		245 (9.65)	180 (7.09)	13 (0.51)	215 (8.46)	192 (7.56)	4 (0.16)	80 (3.15)	14 (0.55)	38 (1.50)	M12	80 (3.15)	41 (1.61)	10 (0.39)		

Shaft height	Type	DIN IEC	DQI encoder system with DRIVE-CLiQ						
			without brake			with brake			
			o ₂ –	k LB	o ₁ –	k LB	o ₁ –	g ₁ –	g ₂ –
63	1FK7060-2A		50 (1.97)	168 (6.61)	106 (4.17)	203 (7.99)	141 (5.55)	104 (4.09)	104 (4.09)
	1FK7063-2A		50 (1.97)	213 (8.39)	151 (5.94)	248 (9.76)	186 (7.32)	104 (4.09)	104 (4.09)
80	1FK7080-2A		48 (1.89)	171 (6.73)	111 (4.37)	223 (8.78)	163 (6.42)	119 (4.69)	119 (4.69)
	1FK7083-2A		48 (1.89)	209 (8.23)	149 (5.87)	261 (10.28)	201 (7.91)	119 (4.69)	119 (4.69)
	1FK7084-2A		48 (1.89)	229 (9.02)	168 (6.61)	281 (11.06)	221 (8.70)	119 (4.69)	119 (4.69)
100	1FK7100-2A		53 (2.09)	183 (7.20)	118 (4.65)	220 (8.66)	170 (6.69)	137 (5.39)	137 (5.39)
	1FK7101-2A		53 (2.09)	209 (8.23)	144 (5.67)	261 (10.28)	196 (7.72)	137 (5.39)	158 (6.22)
	1FK7103-2A		53 (2.09)	235 (9.25)	170 (6.69)	287 (11.30)	222 (8.74)	137 (5.39)	158 (6.22)
	1FK7105-2A		53 (2.09)	287 (11.30)	222 (8.74)	339 (13.35)	274 (10.79)	137 (5.39)	158 (6.22)

1FK706
1FK708
1FK710

