



Applicable to any mobile platform



Part Number	5 C 06 05	5 C 08 04	5 C 08 05	5 C 10 05	5 C 10 10	
Values at Nominal Voltage						
Nominal Voltage	24	24	24	24	24	V
Nominal Speed	1600	2300	1.250	3.500	1.700	rpm
Nominal Torque	1,3	1,7	2,2	3,8	7,5	Nm.
Nominal Current	13	19	15	61	59	A.
Output Power	220	410	290	1400	1330	W.
No-load Speed	2100	2700	1750	4080	1930	rpm
Stall Torque	3	3,1	6	11	22	Nm.
Stall Current	30	35	49	175	175	A.
Torque Constant	0,1	0,09	0,14	0,063	0,127	Nm./A.
Speed Constant	12,8	7,64	12,35	5,45	10,9	Vp/krpm
Resistance, terminal to terminal	430	130	205	8,26	14	mOhm
Inductance, terminal to terminal	0,37	0,22	0,22	0,024	0,049	mH
Number of Phase	3					
Number of Poles	12	8	8	12	12	
Operating Temperature	-40 / +55					°C
Weight	3	3,3	3,5	5,8	10,3	kg.
Brake (1)	2	2,5	2,5	6	15	Nm.
Feedback (2)						Resolver
Signal Connector (3)						D38999/20WC98PN
Power Connector (3)	ACA3102E20-22PB-F80			ACA3102E28-22PB-F80		
Motor Shaft	11	11	11	19		mm.
Frame (housing) Size	70 x 70	80 x 80	86 x 86	105 x 105		mm.
Flange Diameter	60	60	60	95		mm.
Hole Axis Diameter	75	80	95	115		mm.

(1) : Spring applied electromagnetic brake. Manual release is available upon request.

(2) : SinCos, Encoder (magnetic or optic) and Hall Sensor feedbacks are also available upon request.

(3) : Alternative connectors and terminal box connection is available upon request

Options

- Planetary Gearbox (in line or angle) mounting possibilities
- Backlash prevent mechanisms to secure robust working
- Plain (w/ or w/out key way) or geared output shaft
- All kind of mechanical interfaces to mount any platform
- Configurable signal and power connectors
- Absolute Encoder

C Series Brushless DC Motors

Applicable to any mobile platform



Part Number	5 C 14 08	5 C 14 17-1	5 C 14 17-2	5 C 16 15	5 C 20 15	
Values at Nominal Voltage						
Nominal Voltage	24	24	24	24	24	V
Nominal Speed	1500	1350	2.600	800	800	rpm
Nominal Torque	19	33	30	21	38	Nm.
Nominal Current	138	200	350	60	100	A.
Output Power	3000	4650	8150	1760	3200	W.
No-load Speed	1650	1450	2700	1300	1300	rpm
Stall Torque	48	87	50	77	115	Nm.
Stall Current	385	565	560	235	300	A.
Torque Constant	0,14	0,165	0,085	0,35	0,38	Nm./A.
Speed Constant	13,5	14,6	7,54	20,3	20,3	Vp/krpm
Resistance, terminal to terminal	13,5	4,5	4,9	9,8	3,8	mOhm
Inductance, terminal to terminal	7	0,027	0,0176	0,05	0,028	mH
Number of Phase						3
Number of Poles	12	12	12	12	12	
Operating Temperature						-40 / +55 °C
Weight	15	29	31	28	42	
Brake (1)	25	64	64	N.A.	N.A.	
Feedback (2)						Resolver
Signal Connector (3)						D38999/20WC35PN
Power Connector (3)						CA3102E36-3P-B-01
Motor Shaft	22	24	24	22	24	mm.
Frame (housing) Size	140 x 140	140 x 140	140 x 140	160 x 160	200 x 200	mm.
Flange Diameter	130	130	130	130	130	mm.
Hole Axis Diameter	165	165	165	165	165	mm.

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Options

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