

Motor Specifications

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Version: 1.0.0

CM1 - C - 17L30C - RT3.12

Generation

Interface
P: Pulse
C: Computer

Size
11
17
23

Length
L: Long
S: Short

Max Speed
30: 3000RPM
20: 2000RPM

H/W Version
A
C

Firmware

Model	11L30	11S30	17L30	17S30	23L30	23S30	Unit
Max Speed	3000	3000	3000	3000	2000	3000	RPM
Continuous Torque	0.055 (7.78)	0.027 (3.8)	0.36 (50.98)	0.084 (11.89)	0.89 (126)	0.3 (42.48)	NM (oz•in)
Peak Torque	0.078 (11.1)	0.039 (5.5)	0.53 (75)	0.12 (16.56)	1.24 (175.6)	0.42 (65.14)	NM (oz•in)
Max Load Inertia	180 (2.5 × 10 ⁻³)	80 (1.1 × 10 ⁻³)	760 (1.07 × 10 ⁻²)	380 (5.38 × 10 ⁻³)	4.6 × 10 ³ (6.5 × 10 ⁻²)	1.4 × 10 ³ (1.9 × 10 ⁻²)	g•cm ² (oz•in•s ²)
Motor Inertia	18 (2.5 × 10 ⁻⁴)	8 (1.1 × 10 ⁻³)	74 (1.04 × 10 ⁻³)	36 (5.09 × 10 ⁻⁴)	3.6 × 10 ² (5.09 × 10 ⁻³)	180 (2.5 × 10 ⁻³)	g•cm ² (oz•in•s ²)
Input Supply Voltage	24 ± 10%						VDC
Continuous Current	1.2	0.8	1.5	0.8	2.6	3.9	A
Peak Current	1.5	1.0	1.8	1.0	3.4	5.1	A
Operating Temp.	0 - 40						°C
Storage Temperature	-20 - 60						°C
Operational Humidity	<90						% Relative Humidity
Shock	<10						G
Vibration	<1						G
Mass	295	234	470	323	1110	552	g