



Motor Data

		SME6011024H	
1	Nominal voltage	VT	24 VDC
2	No load speed	Wnl	3600 rpm
3	No load current	InI	≤1 A
4	Nominal speed	Wc	3100 rpm
5	Nominal torque	Tc	0.58 Nm
6	Peak torque	TP	4.5 Nm
7	Nominal current	Ic	11 A
8	Maximum current	IP	85 A
9	Nominal power	PR	194 watts
10	Maximum available power	PR	382 watts
11	Current at maximum available power	IP	28.8 A
12	Terminal resistance	Rt	0.28 Ω
13	Terminal inductance	L	117 μH
14	Torque constant	Kt	0.057 Nm /A
15	Mechanical time constant	Tm	0.4 ms
16	Electric time constant	Te	7.4 ms
17	Rotor inertia	J	0.73 Kg*cm ²
18	Max. winding temperature	Temp	120 °C
19	Number of pole pairs	p	2
20	Weight	Wt	1.35 kg
21	Motor insulation class		F
22	Protection class		IP65
23	Ambient temperature		0~40°C
24	Encoder options	Incremental 2500PPR	Magnetic 2500PPR
25	Terminal definitions	U:green V: black W: red	
26	Encoder Terminal definitions	A+:green A-:green-black B+:white B-:white-black Z+:yellow Z-:yellow-black U+:brown U-:brown-black V+:gray V-:gray-black W+:orange W-:orange-black +5V :red GND:black	

Operating Range

A: Continuous Working Area
B: Repeatedly Working Area

