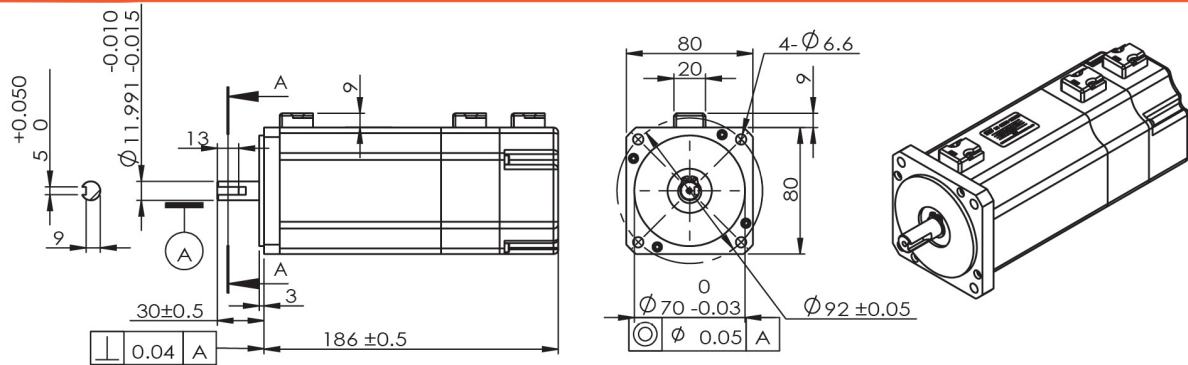


SA80B | Servo | Brake



Motor Data

		SA8024B	SA8048B	
1	motor model			
2	nominal power	PR	382	382 W
3	nominal voltage	VT	24	48 VDC
4	nominal current	IR	21.6	10.8 A
5	instantaneous maximum current	IP	44	32 A
6	nominal speed	NR	3650	3650 RPM
7	maximum speed	NP	4500	4500 RPM
8	nominal torque	TR	1.0	1.0 Nm
9	peak torque	TP	2.0	3.0 Nm
10	torque constant	KT	0.051	0.102 Nm/A
11	back EMF constant	Ke	5.34	10.7 V/Krpm
12	rotor inertia	J	6.05	6.05 Kg*cm ²
13	nominal angular acceleration	Ar	1488	1488 rad/s ²
14	terminal resistance	Ra	0.08	0.31 Ω
15	cogging and hysteresis torque	Tc Th	0	0 mNm
16	terminal inductance	La	12.6	50 uH
17	mechanical time constant	Tm	24	24 ms
18	electrical time constant	Te	0.158	0.161 ms
19	number of pole pairs	2p	4	4
20	weight of motor	W	2.84	2.84 Kg
21	encoder options	incremental (2500PPR) \ Absolute (17/33bit)		
22	motor insulation class	class B		
23	protection class	IP64		
24	ambient temperature	-20~+40°C		

Graph

A: Continuous Working Area
B: Repeatedly Working Area

