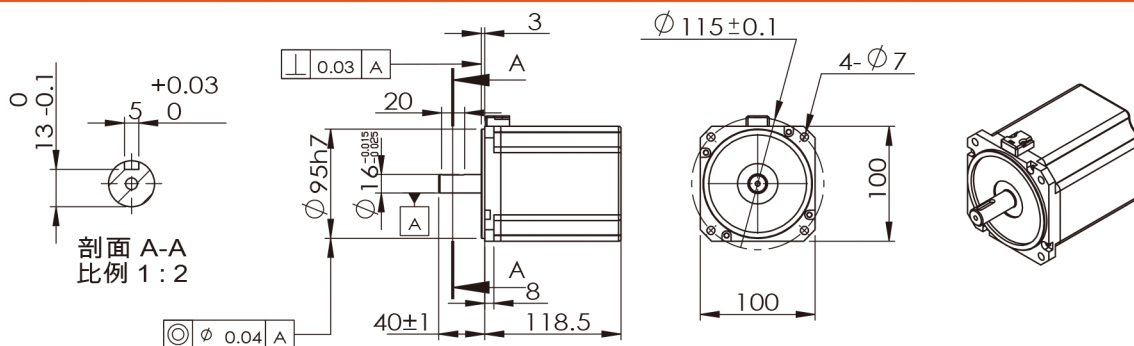


BMP100 | Brushless



Motor Data

	motor model		BMP1004B	BMP1007B	
1	no load voltage	V	48	72	volts
2	no load speed	Wnl	2500	3750	rpm
3	no load current	Inl	1.4	1.8	Amps
4	nominal voltage	Vc	48	72	VDC
5	nominal torque	Tc	2.5	2.5	Nm
6	nominal speed	Wc	2300	3450	rpm
7	nominal current	Ic	15	15	amps
8	output power	Pc	602	900	watts
9	torque constant	Kt	0.183	0.183	Nm / apm
10	back EMF constant	Kv	52.1	52.1	rpm / volt
		Ke	19.2	19.2	V / Krpm
11	terminal resistance	Rt	0.24	0.24	Ω
12	cogging and hysteresis torque	Tc Th	0	0	mNm
13	terminal inductance	L	48.5	48.5	μH
14	mechanical time constant	Tm	24	24	ms
15	electrical time constant	Te	0.202	0.202	ms
16	weight	Wt	4.6	4.6	kg
17	max. efficiency	η	86	86	%
18	max. permissible rotor temperature	Temp	110		°C
19	max. output power	Pmax	1160	1890	W
20	terminal definitions	U: green V: black W: red +5V: yellow GND:grey H1: brown H2: orange H3: blue Thermistor: violet			

Graph

Torque-Speed- Current

