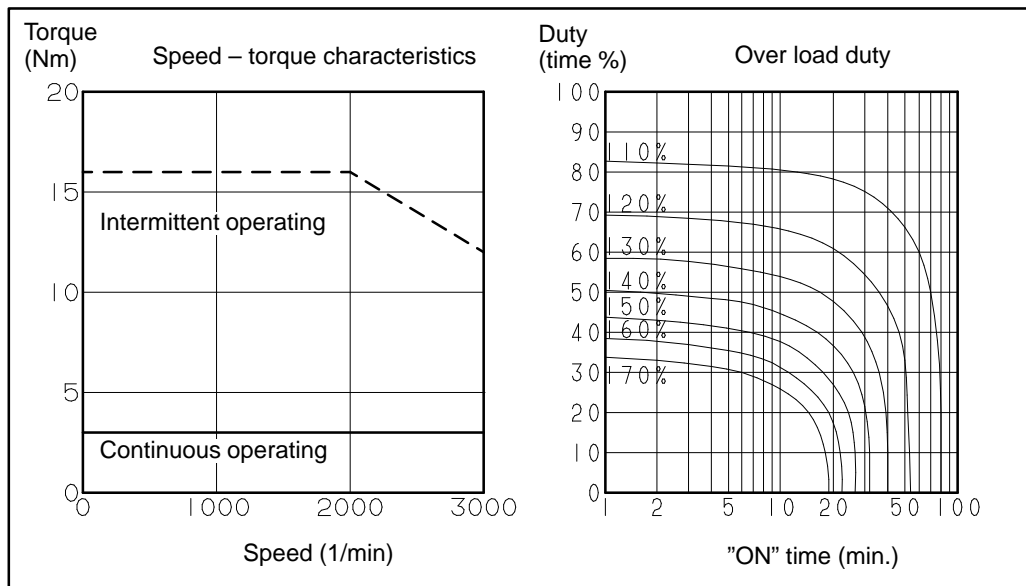


**Model  $\alpha$ 3/3000**

Specification : A06B-0123-B□□□



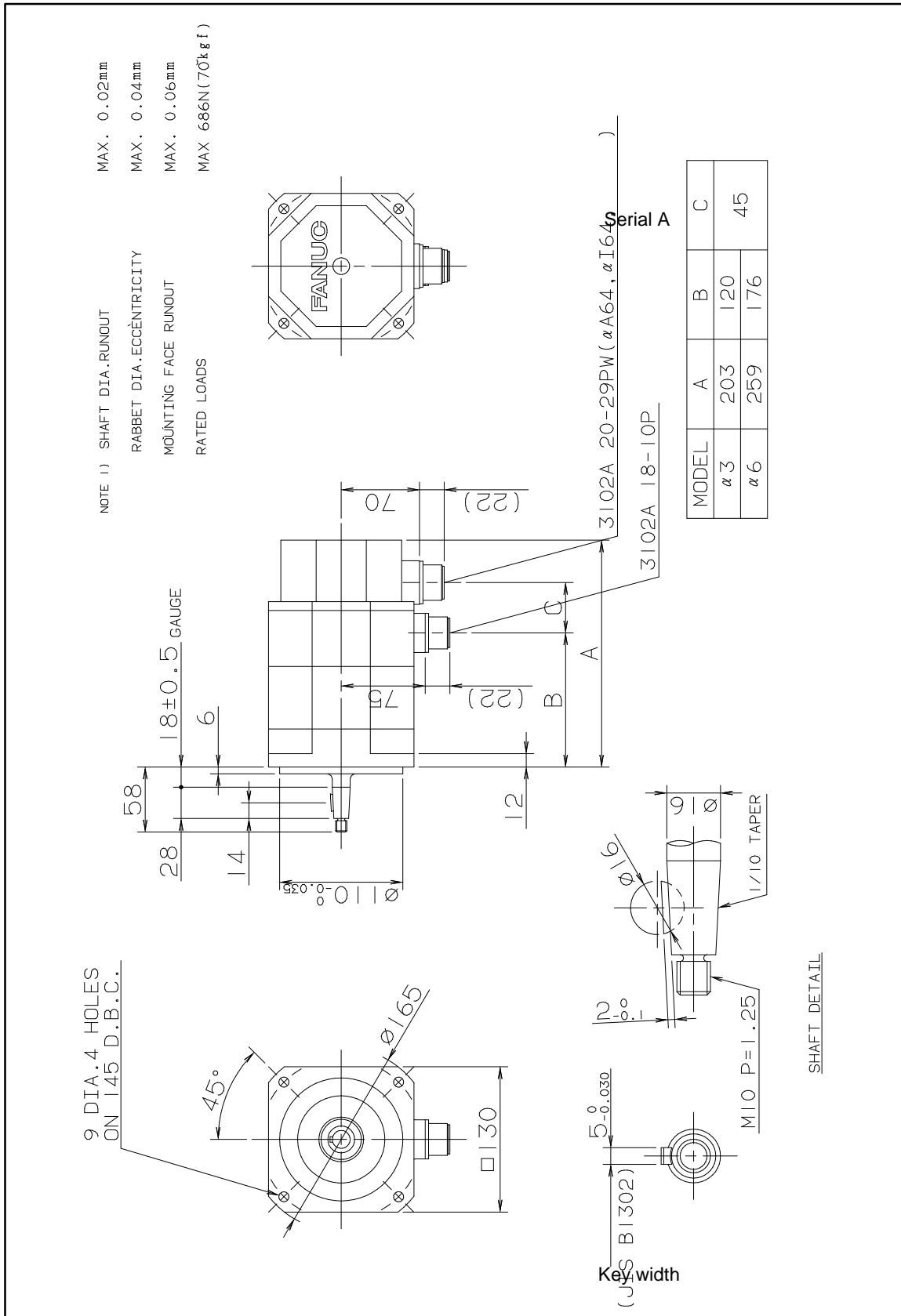
**Data sheet**

Parameter	Symbol	Value	Unit
Rating output speed	Nmax	3000	min <sup>-1</sup>
Rated torque at stall (*)	Ts	3.0	Nm
		31	kgfcm
Rotor inertia	Jm	0.0014	kgm <sup>2</sup>
		0.014	kgfcms <sup>2</sup>
Continuous RMS current at stall (*)	Is	4.6	A (rms)
Torque constant (*)	Kt	0.65	Nm/A (rms)
		6.6	kgfcm/A (rms)
Back EMF constant (*)	Ke	23	V/1000min <sup>-1</sup>
		0.22	Vsec/rad
Armature resistance (*)	Ra	0.57	$\Omega$
Mechanical time constant (*)	tm	0.006	s
Thermal time constant	tt	45	min
Static friction	Tf	0.3	Nm
		3	kgfcm
Maximum allowable current	Im	60	A (peak)
Maximum theoretical torque	Tm	27	Nm
		280	kgfcm
Maximum theoretical acceleration		20000	rad/s <sup>2</sup>
Weight		8	kg

(\*)The values are the standard values at 20°C and the tolerance is  $\pm 10\%$ .

The speed-torque characteristics vary depending on the type of software, parameter setting, and input voltage of the digital servo motor. (The above figures show average values.) These values may be changed without prior notice.

**Fig. 3.3 (g) Models α3 and α6**



**Fig. 3.3 (j) Models α3 and α6 (shaft option)**

