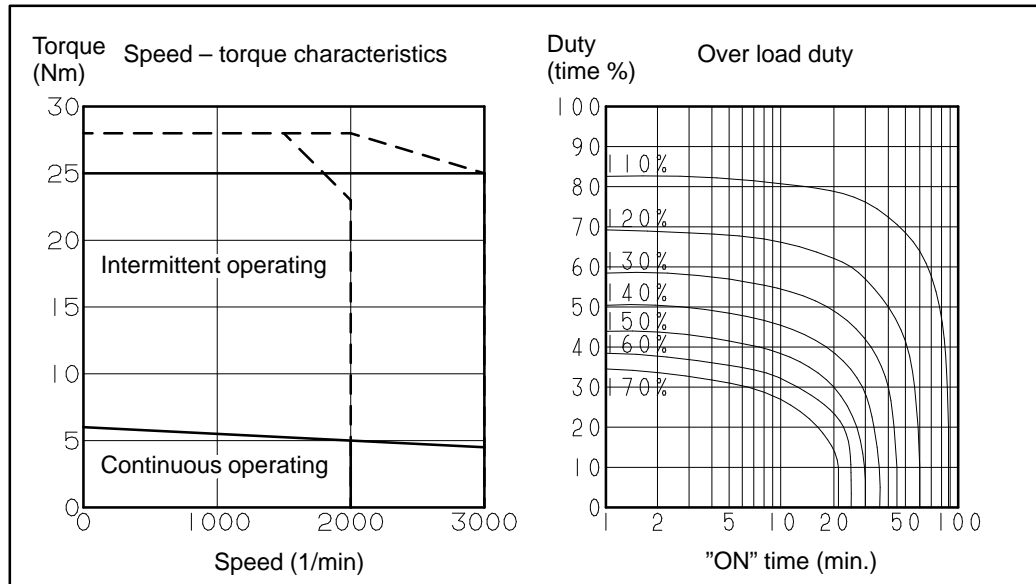


**Model  $\alpha$ 6/2000**

Specification : A06B-0127-B□□□

**Model  $\alpha$ 6/3000**

Specification : A06B-0128-B□□□

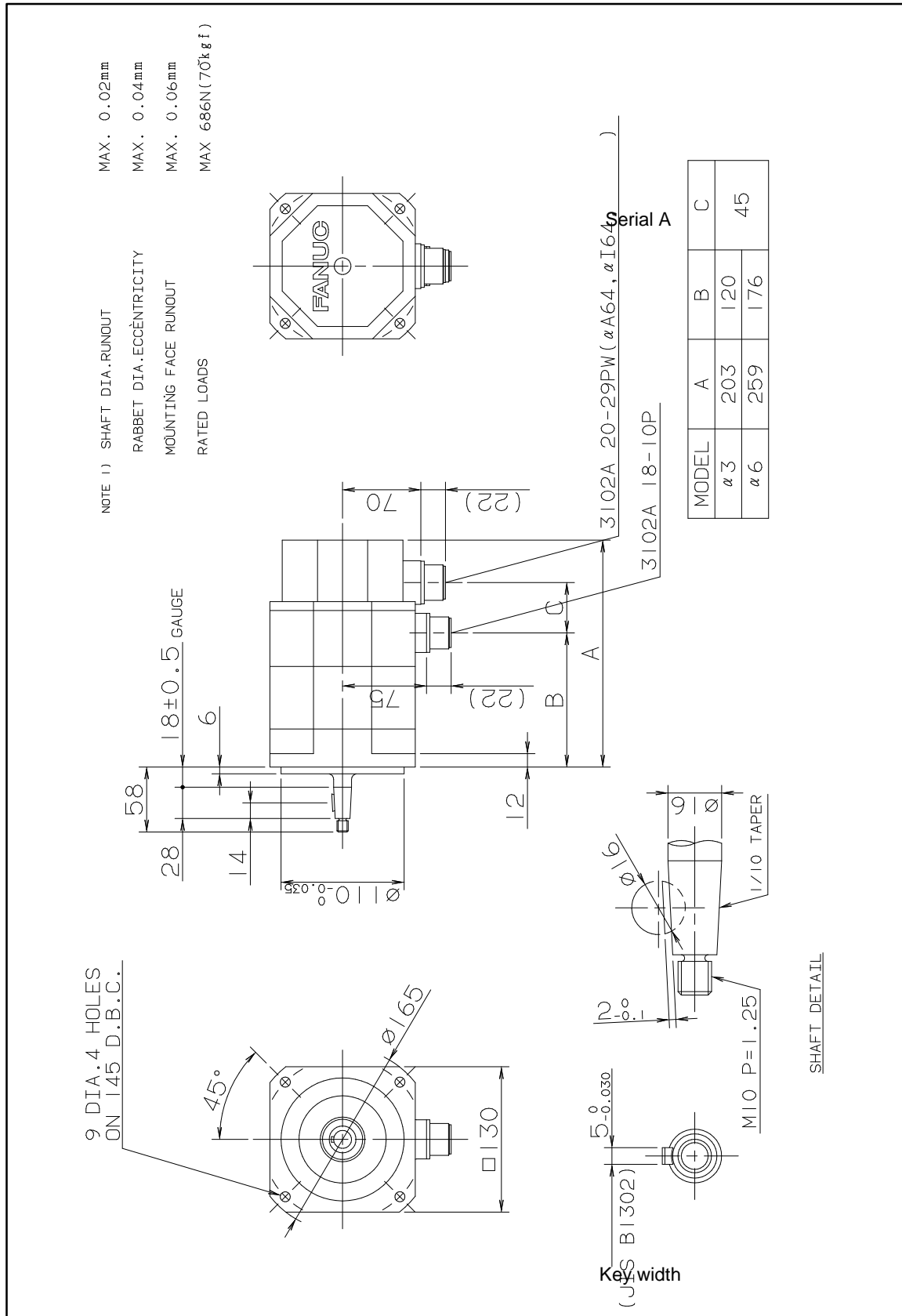
**Data sheet**

Parameter	Symbol	Value		Unit
Rating output speed	Nmax	2000	3000	min <sup>-1</sup>
Rated torque at stall (*)	Ts	6.0 61	6.0 61	Nm kgfcm
Rotor inertia	Jm	0.0026 0.027	0.0026 0.027	kgm <sup>2</sup> kgfcm <sup>2</sup>
Continuous RMS current at stall (*)	Is	5.6	10.0	A (rms)
Torque constant (*)	Kt	1.08 11.0	0.60 6.1	Nm/A (rms) kgfcm/A (rms)
Back EMF constant (*)	Ke	38	21	V/1000min <sup>-1</sup>
	Kv	0.36	0.20	Vsec/rad
Armature resistance (*)	Ra	0.65	0.18	$\Omega$
Mechanical time constant (*)	tm	0.004	0.004	s
Thermal time constant	tt	50	50	min
Static friction	Tf	0.3 3	0.3 3	Nm kgfcm
Maximum allowable current	Im	73	132	A (peak)
Maximum theoretical torque	Tm	56 570	56 570	Nm kgfcm
Maximum theoretical acceleration		21000	21000	rad/s <sup>2</sup>
Weight		13	13	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)**

