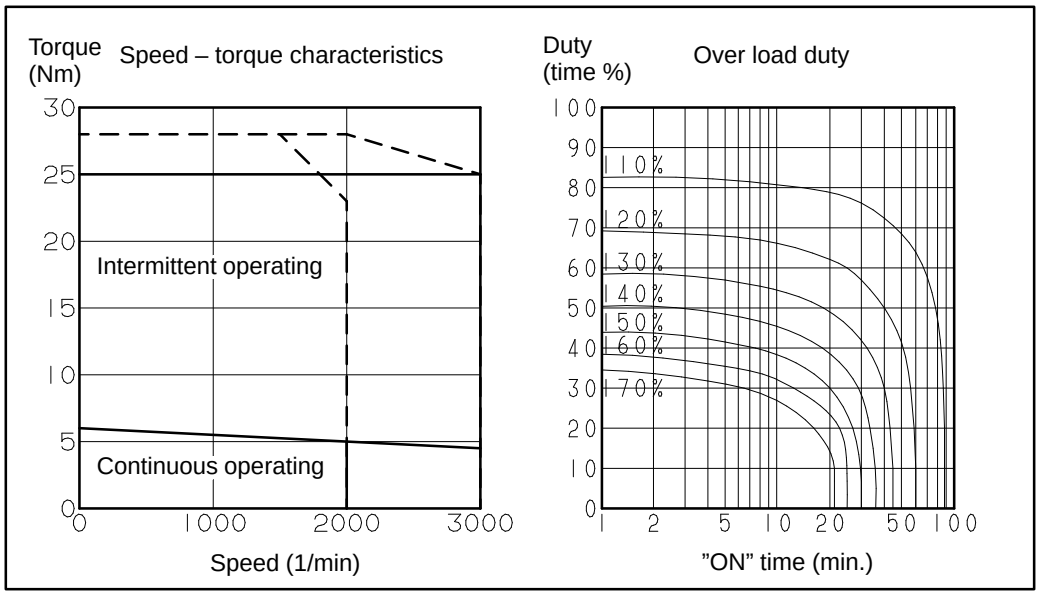
Model α6/2000 Specification : A06B–0127–B□□□

Model α6/3000 Specification : A06B–0128–B□□□



Data sheet

Parameter	Symbol	Value			Unit
Rating output speed	Nmax	2000	3000		min $^{-1}$
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^2 kgfcms^2
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 Kv	38 0. 36	21 0. 20		V/1000min $^{-1}$ Vsec/rad
Armature resistance (*)	Ra	0. 65	0. 18		Ω
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^2
Weight		13	13		kg

(*) The values are the standard values at 20°C and the tolerance is ± 10%.
The speed–torque characteristics very 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

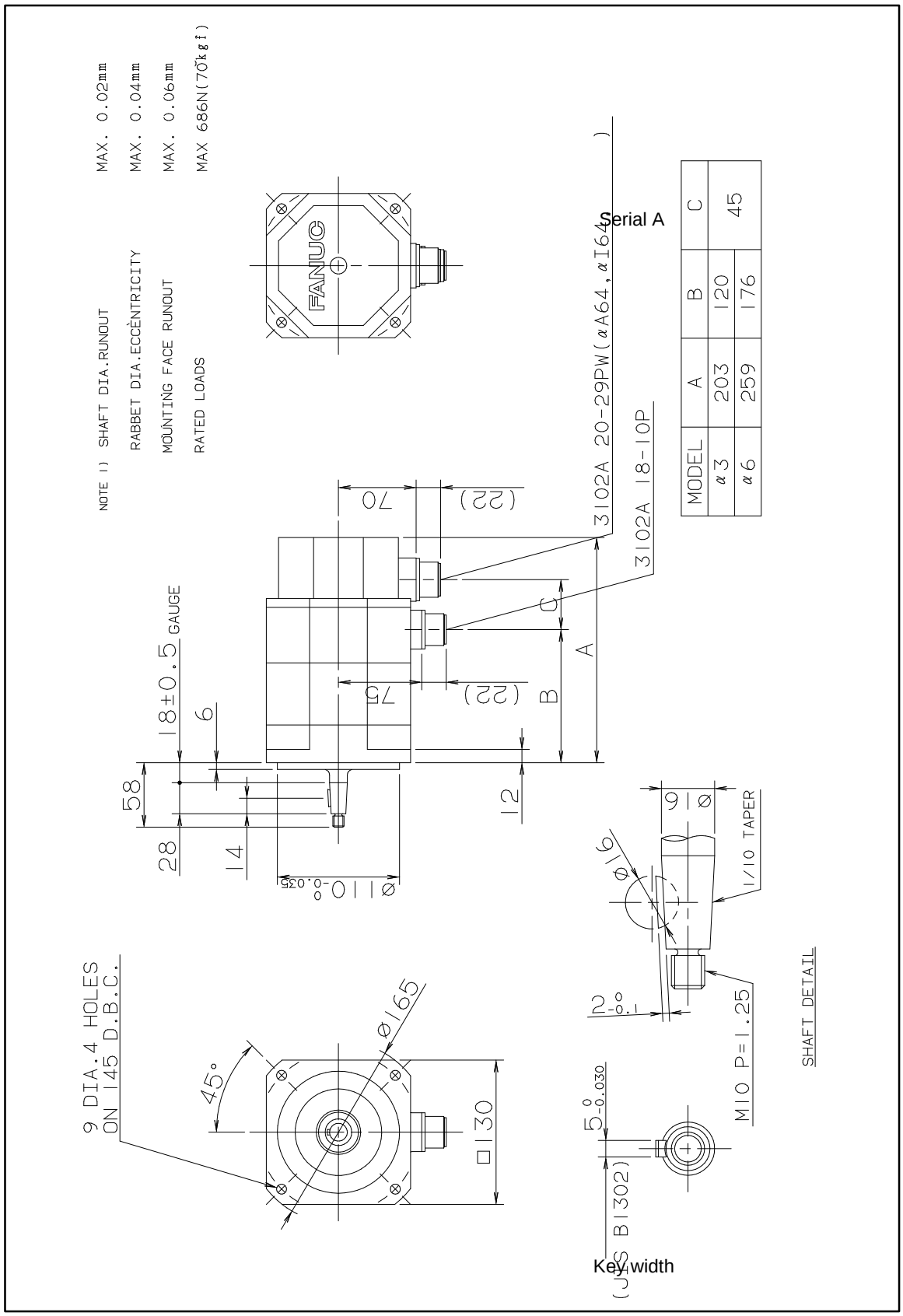


Fig. *3.3 (i)* Models α3 and α6 (shaft option)