Fig. 3.3 (b) Models αC3/2000 and αC6/2000 (with the brake)

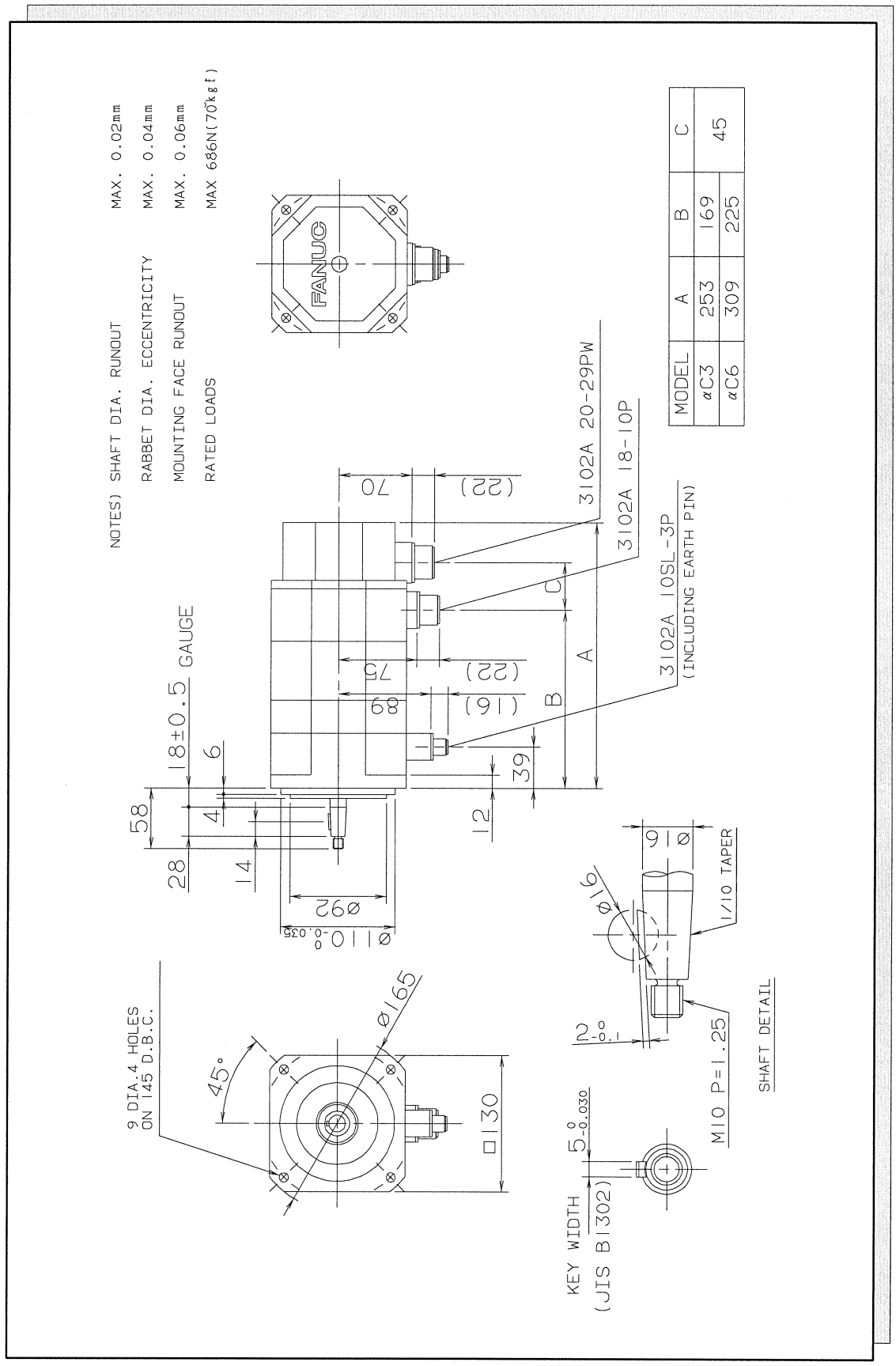
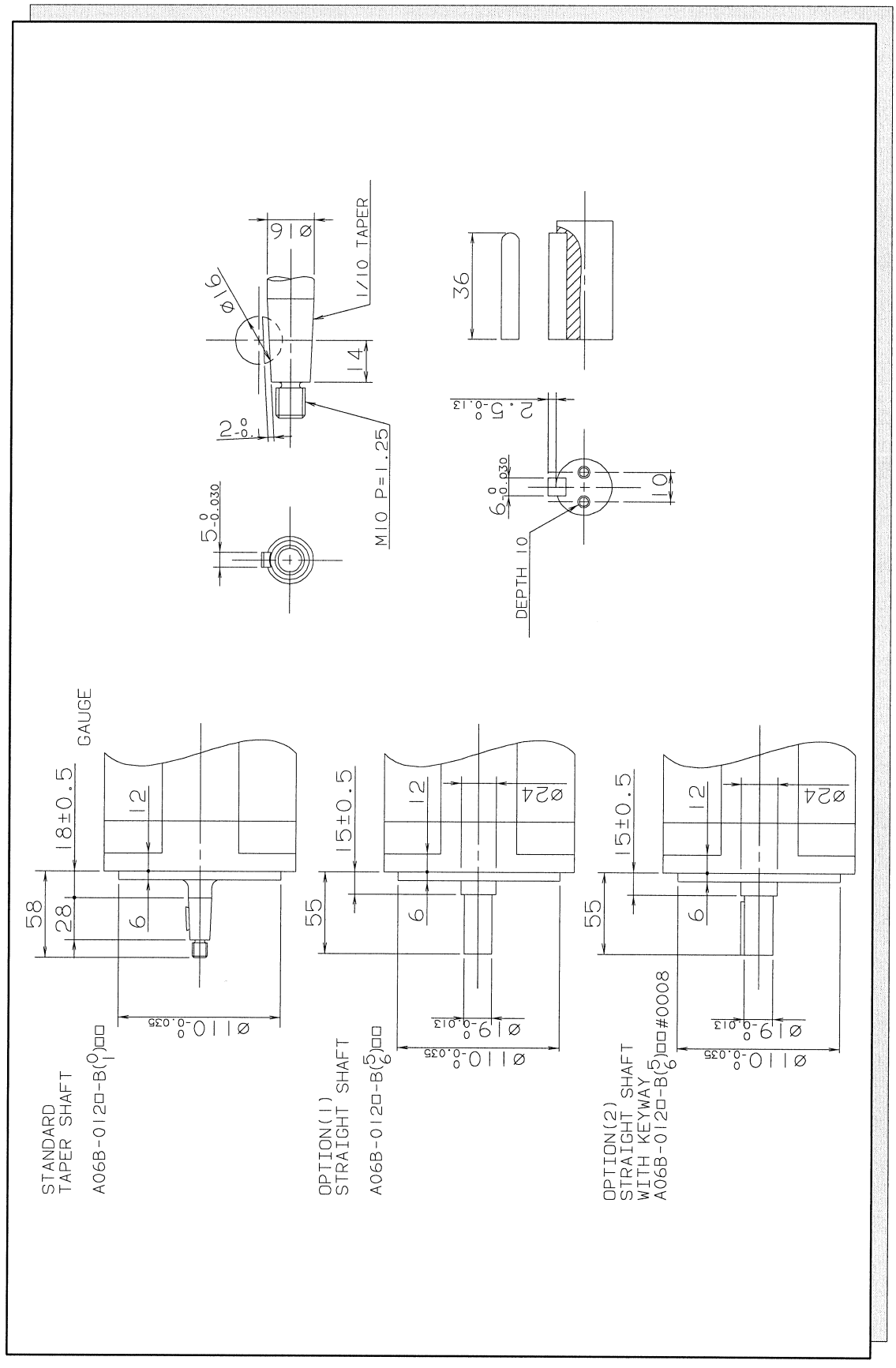
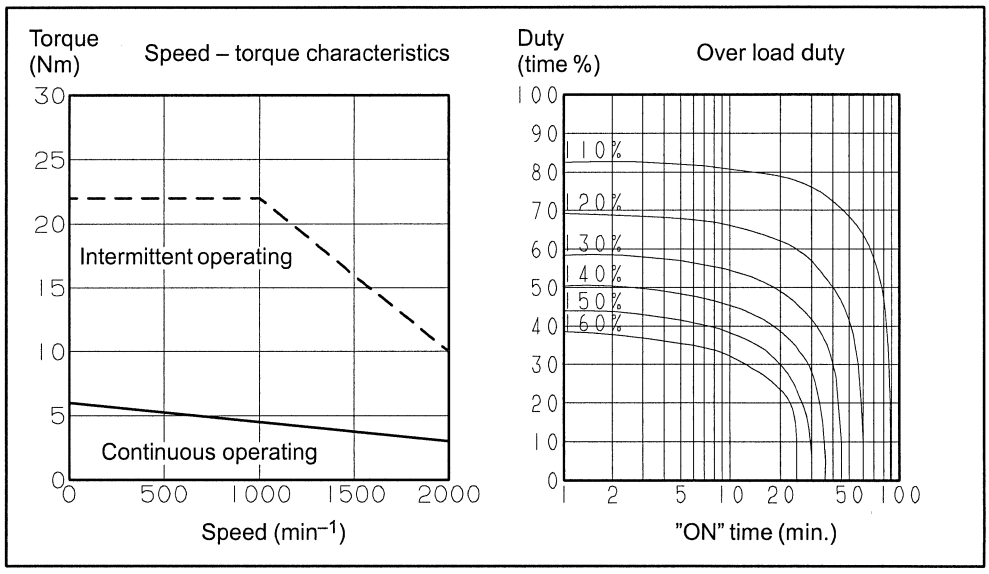


Fig. 3.3 (c) Models αC3/2000 and αC6/2000 (shaft option)



Model αC6/2000

Specification : A06B–0126–B□□□

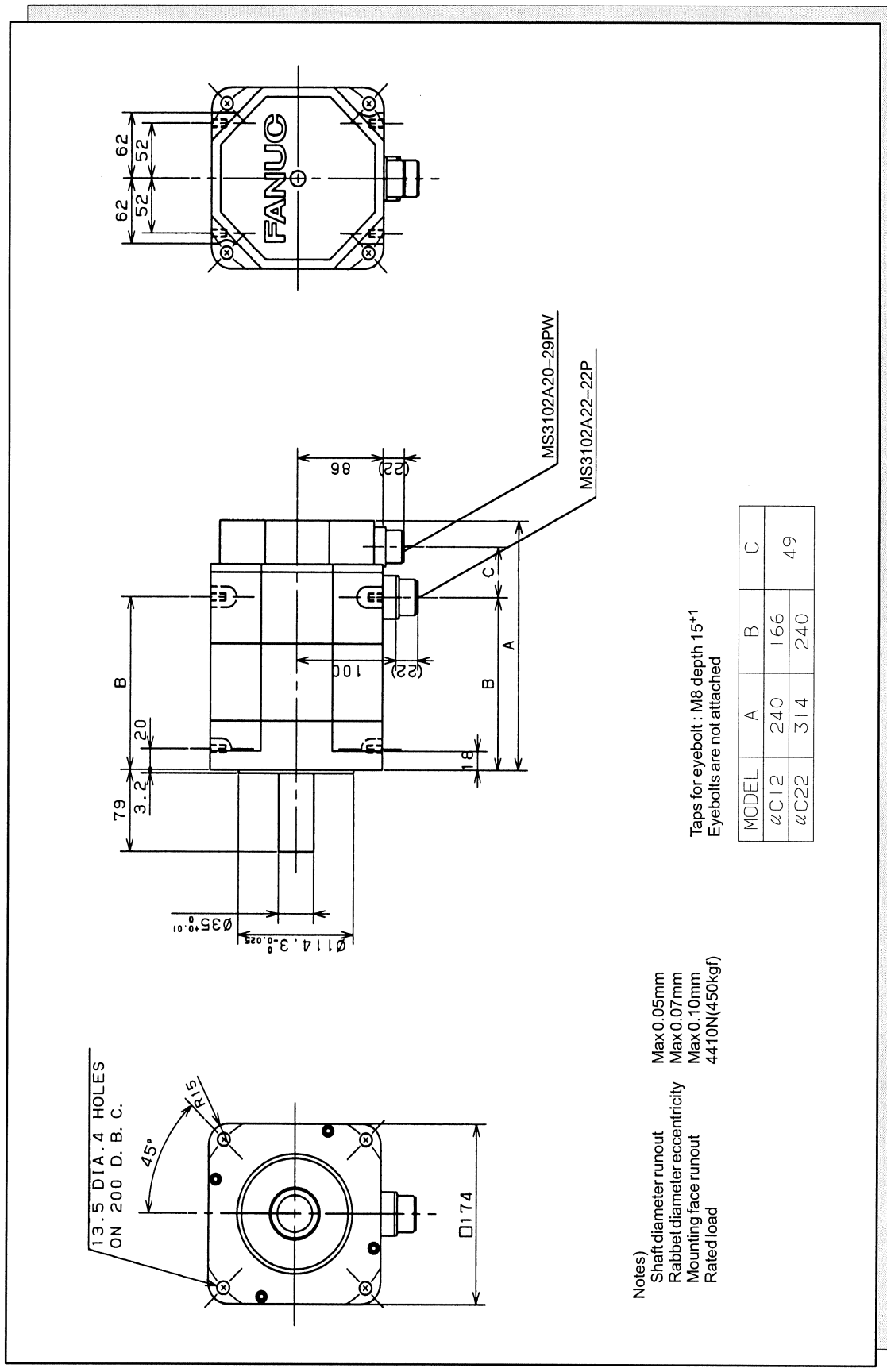


Data sheet

Parameter	Symbol	Value			Unit
Rating rotation speed	Nmax	2000			min^{-1}
Rated torque at stall (*)	Ts	6.0 61			Nm kgfcm
Rotor inertia	Jm	0.0026 0.027			kgm^2 $kgfcms^2$
Continuous RMS current at stall (*)	Is	3.6			A (rms)
Torque constant (*)	Kt	1.68 17.1			Nm/A (rms) kgfcm/A (rms)
Back EMF constant (1–phase) (*) (*)	Ke Kv	59 0.56			V(rms)/1000min^{-1} V(rms)·sec/rad
Armature resistance (1–phase) (*)	Ra	1.52			Ω
Mechanical time constant (*)	tm	0.004			s
Thermal time constant	tt	50			min
Static friction	Tf	0.3 3			Nm kgfcm
Mass		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.

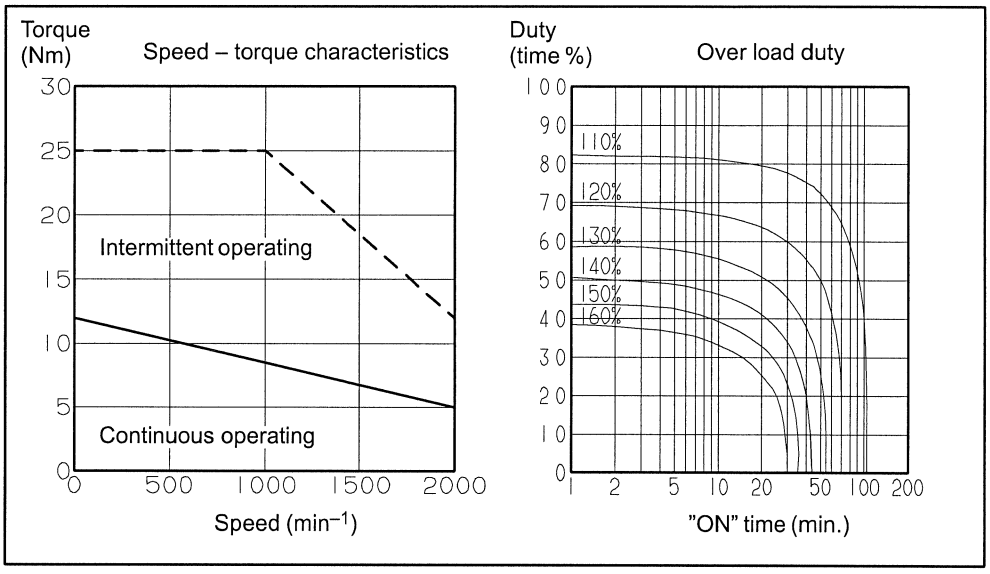
Fig. 3.3 (d) Models αC12/2000 and αC22/1500



MODEL	A	B	C
αC12	240	166	49
αC22	314	240	

Model αC12/2000

Specification : A06B–0141–B□□□



Data sheet

Parameter	Symbol	Value			Unit
Rating rotation speed	Nmax	2000			min^{-1}
Rated torque at stall (*)	Ts	12 122			Nm kgfcm
Rotor inertia	Jm	0.0062 0.064			kgm^2 kgfcms^2
Continuous RMS current at stall (*)	Is	5.9			A (rms)
Torque constant (*)	Kt	2.04 20.8			Nm/A (rms) kgfcm/A (rms)
Back EMF constant (1–phase) (*) (*)	 Ke Kv	 71 0.68			 V (rms)/1000min^{-1} V (rms)·sec/rad
Armature resistance (1–phase) (*)	Ra	1.10			Ω
Mechanical time constant (*)	tm	0.005			s
Thermal time constant	tt	60			min
Static friction	Tf	0.8 8			Nm kgfcm
Mass		18			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.