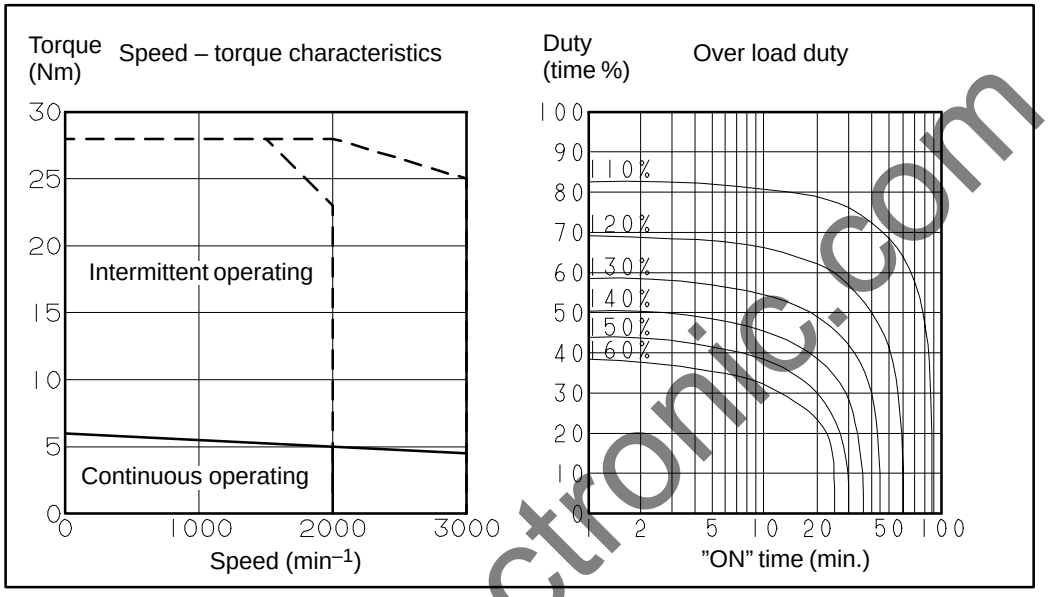
Model α6/2000 Specification : A06B–0127–B□□□

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



Data sheet

Parameter	Symbol	Value			Unit
Rating rotation 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 (1–phase) (*) (*)	Ke Kv	38 0.36	21 0.20		V (rms)/1000min $^{-1}$ V (rms)·sec/rad
Armature resistance (1–phase) (*)	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
Mass		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.

On model α6, the maximum speed of rotation is increased by using HRV control. The speed-torque characteristics for when HRV control is used are described at the end of this item.

Fig. 3.3 *(d)* **Models α3 and α6**

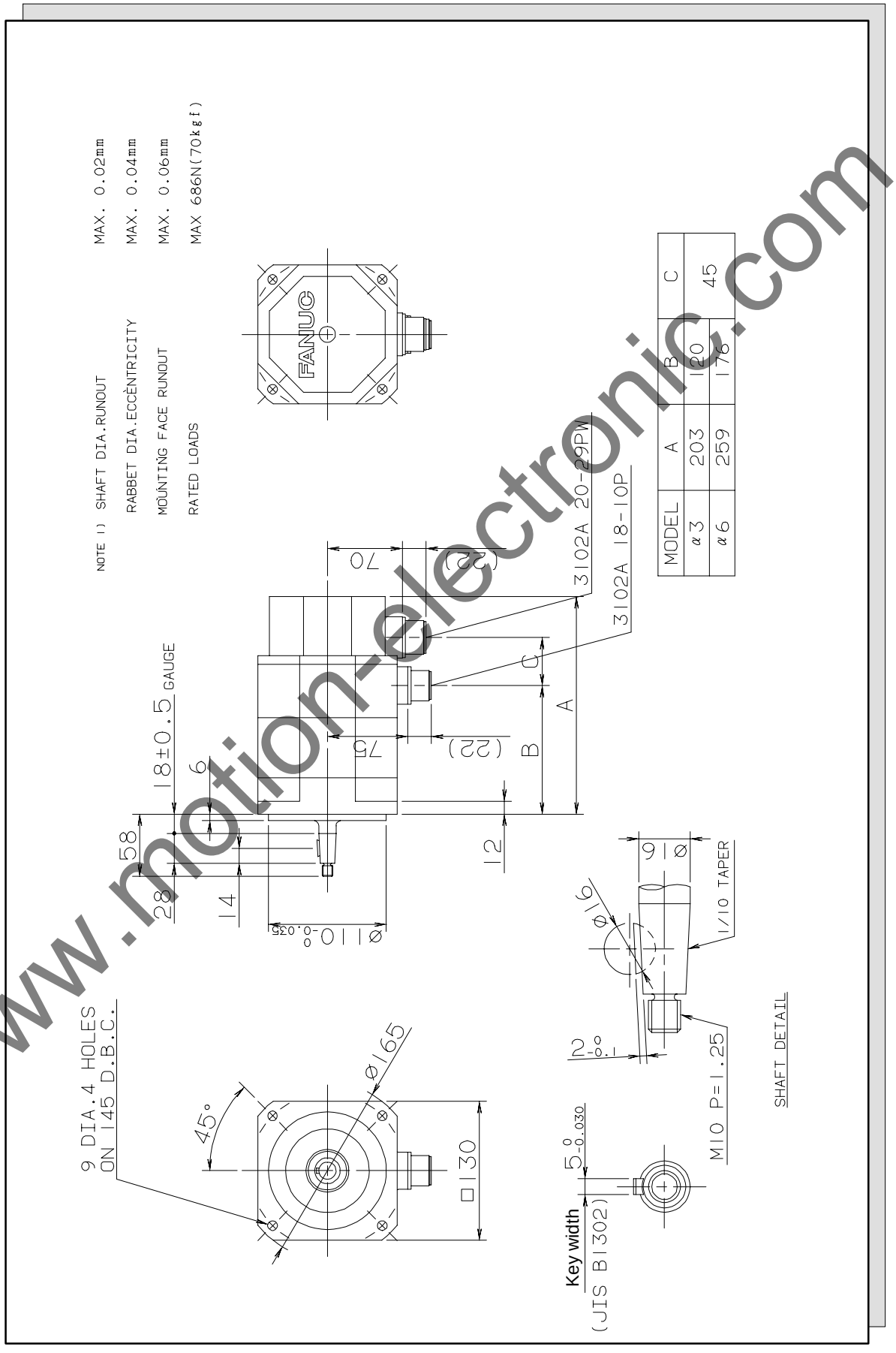


Fig. 3.3 (e) Models α3 and α6 (with the brake)

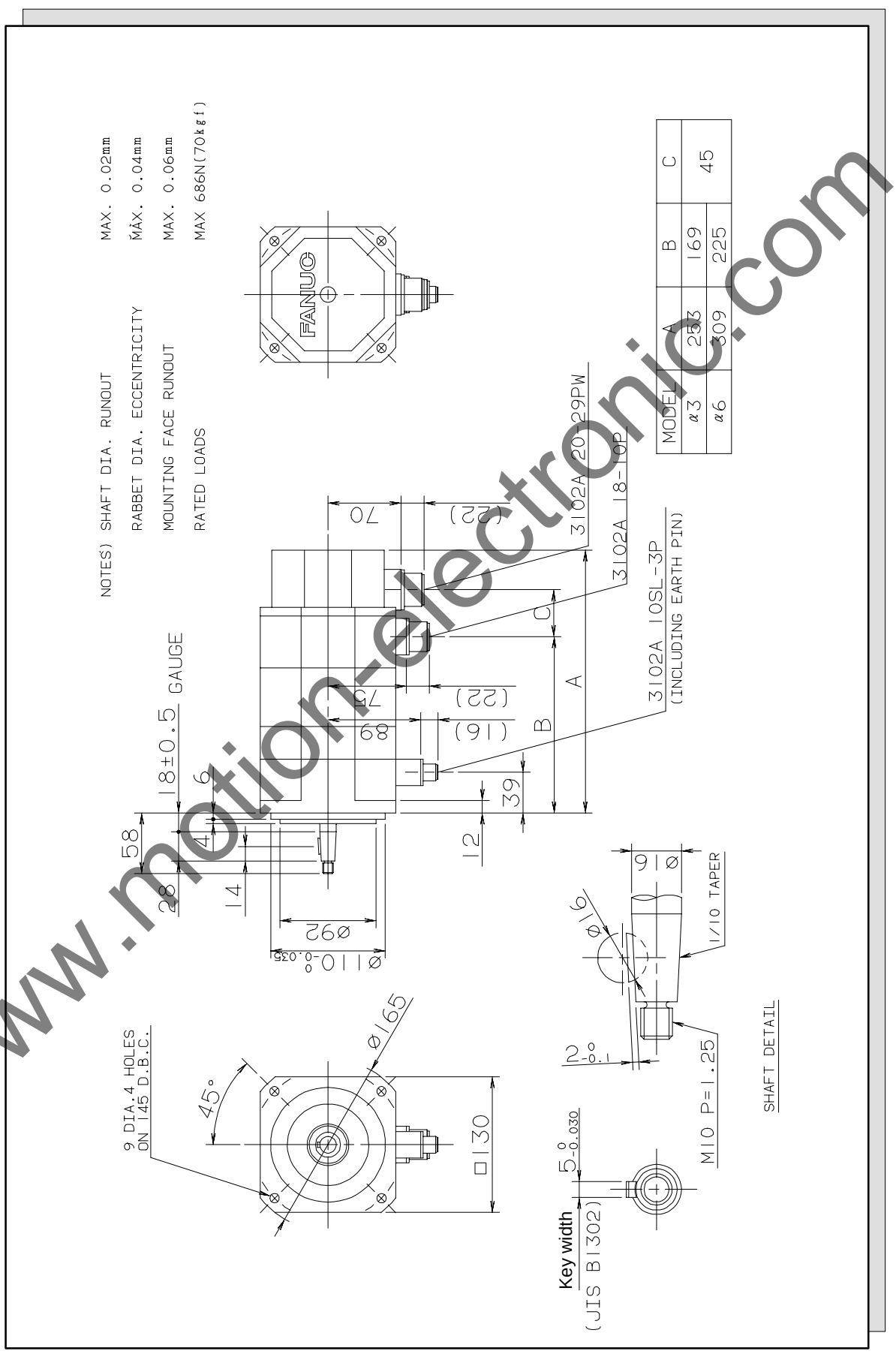


Fig. 3.3 (f) Models α3 and α6 (shaft option)