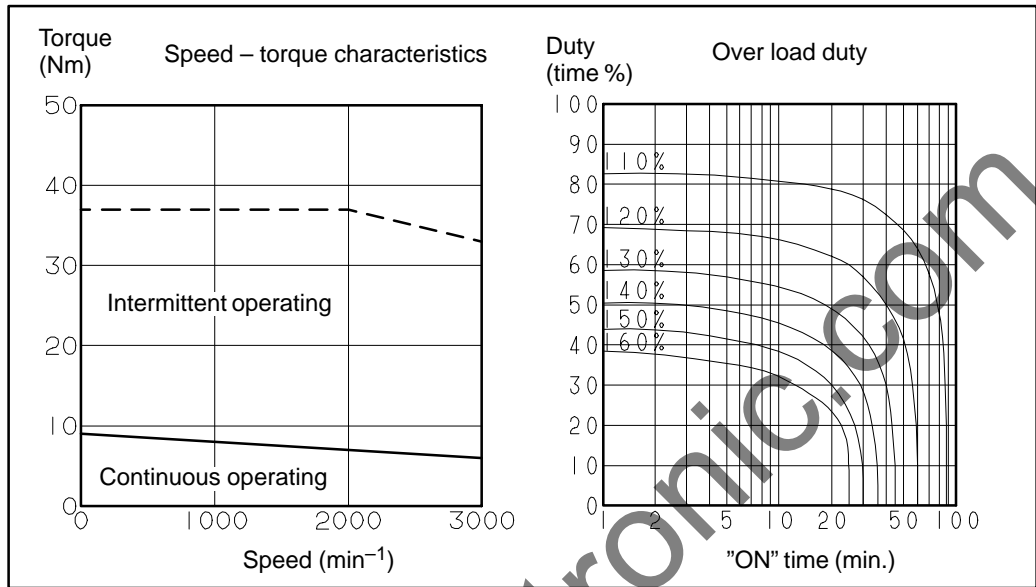


**Model αM9/3000**

Specification : A06B-0163-B□□□



**Data sheet**

Parameter	Symbol	Value	Unit
Rating rotation speed	Nmax	3000	min <sup>-1</sup>
Rated torque at stall (*)	Ts	9.0	Nm
		92	kgfcm
Rotor inertia	Jm	0.0025	kgm <sup>2</sup>
		0.026	kgfcms <sup>2</sup>
Continuous RMS current at stall (*)	Is	10.4	A (rms)
Torque constant (*)	Kt	0.86	Nm/A (rms)
		8.8	kgfcm/A (rms)
Back EMF constant (1-phase) (*)	Ke	30	V (rms)/1000min <sup>-1</sup>
		Kv	0.29
Armature resistance (1-phase) (*)	Ra	0.181	Ω
Mechanical time constant (*)	tm	0.002	s
Thermal time constant	tt	50	min
Static friction	Tf	0.3	Nm
		3	kgfcm
Mass		12	kg

(\*) The values are the standard values at 20°C and the tolerance is ± 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 (e) Models αM6/3000 and αM9/3000 (standard)

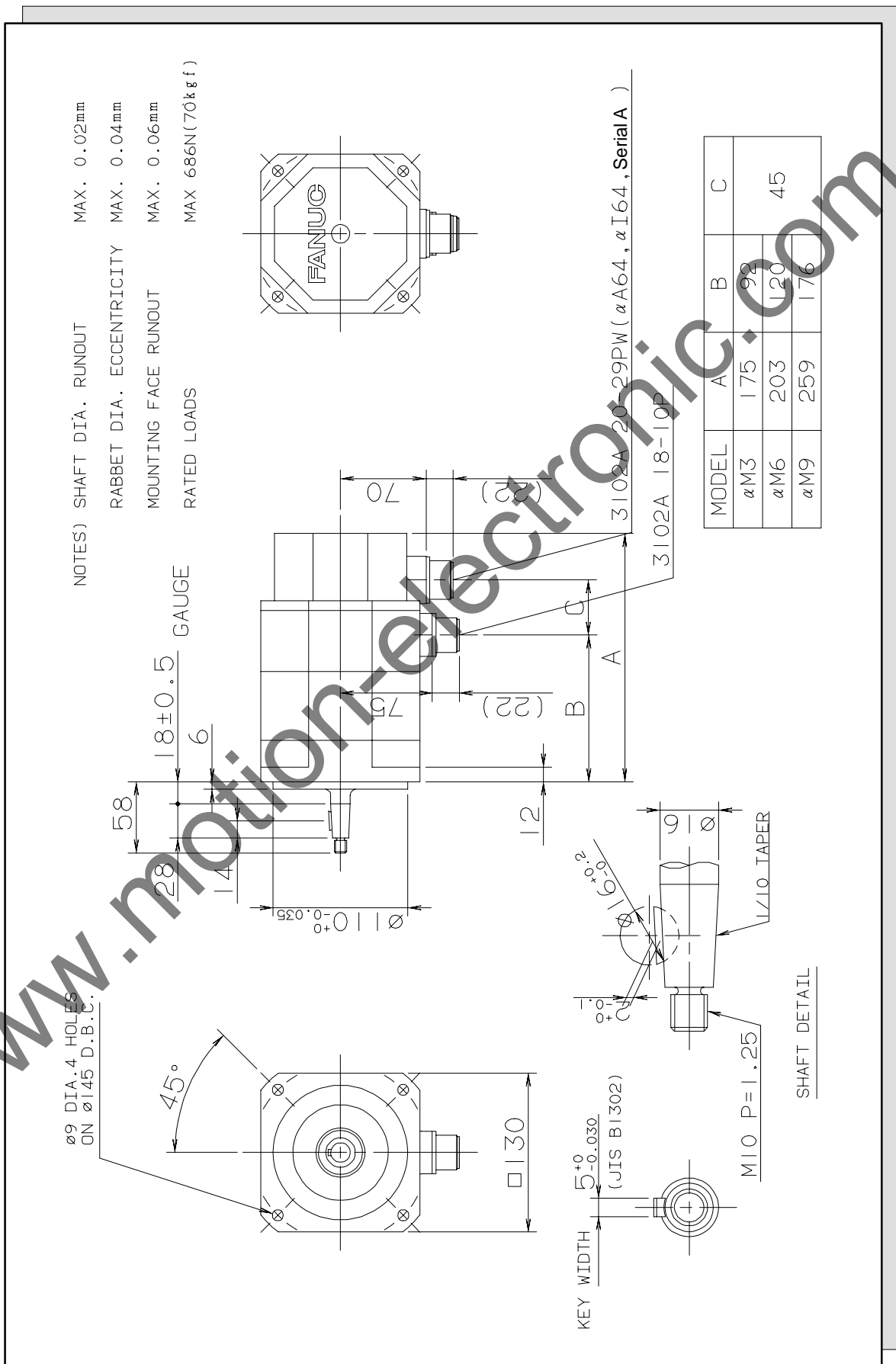


Fig. 3.3 (f) Models αM6/3000 and αM9/3000 (with the brake)

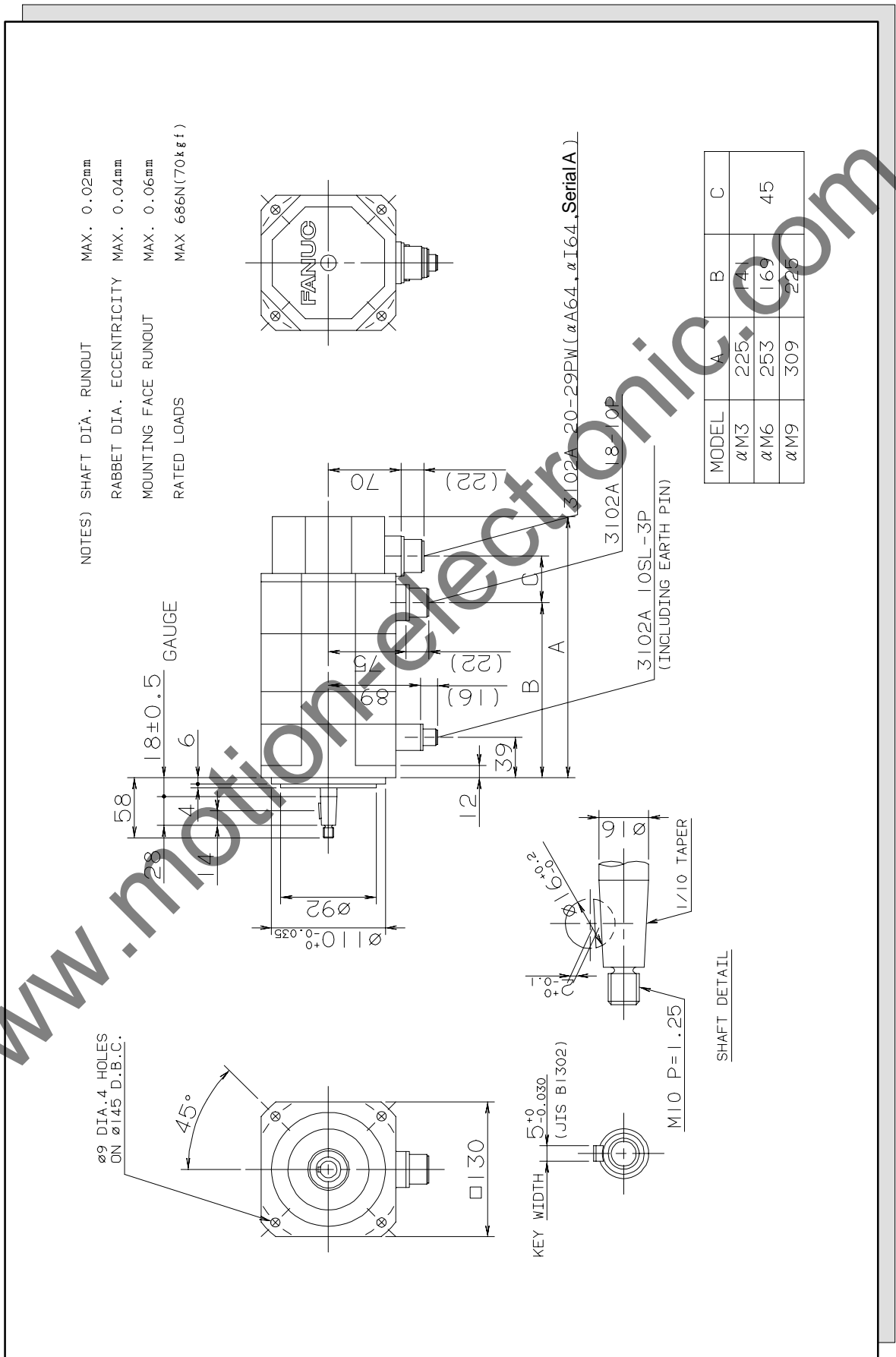


Fig. 3.3 (h) Model αM9/3000 (shaft option)

