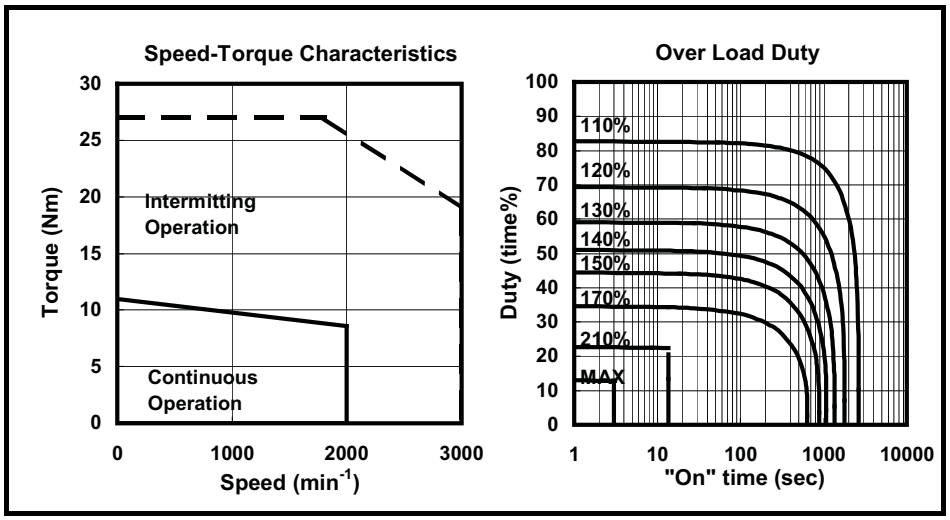
Model β**12/3000is** Specification A06B-0078-B□0□



Data sheet

Parameter	Symbol	Value			Unit
Stall Torque (*)	Ts	11			Nm
		112			kgfcm
Stall Current (*)	Is	10.2			A (rms)
Rated Output (*)	Pr	1.8			kW
		2.4			HP
Rating Speed	Nr	2000			min^{-1}
Maximum Speed	Nmax	3000			min^{-1}
Maximum Torque (*)	Tmax	27			Nm
		276			kgfcm
Rotor Inertia	Jm	0.00228			kgm^2
		0.0233			$kgfcms^2$
Rotor Inertia (with Brake)	Jm	0.00235			kgm^2
		0.024			$kgfcms^2$
Torque constant (*)	Kt	1.08			Nm/A (rms)
		11			kgfcm/A (rms)
Back EMF constant (1phase) (*)	Ke	38			V (rms)/1000 min^{-1}
	Kv	0.36			V (rms)sec/rad
Armature Resistance (1 phase) (*)	Ra	0.39			Ω
Mechanical time constant	tm	0.002			s
Thermal time constant	tt	25			min
Static friction	Tf	0.4			Nm
		4			kgfcm
Weight	w	11.9			kg
Weight (with Brake)	w	14.1			kg
Maximum Current of Servo Amp.	Imax	40			A (peak)

(*) 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 software. (The above figures show average values.)
These values may be changed without notice.

Fig. 3(n) Models β8*is* and β12*is*

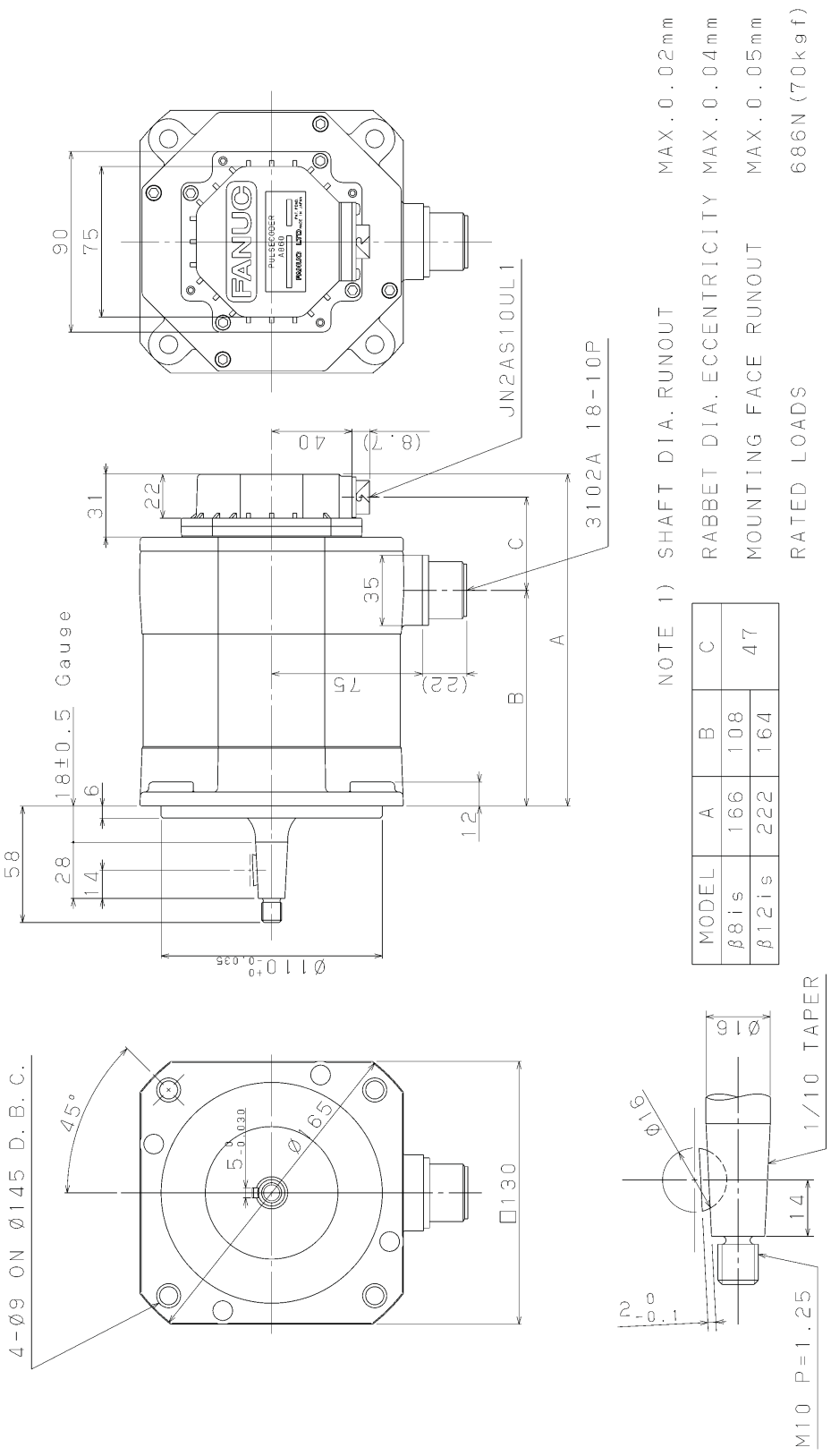


Fig. 3(q) Model β12*is* (shaft option)