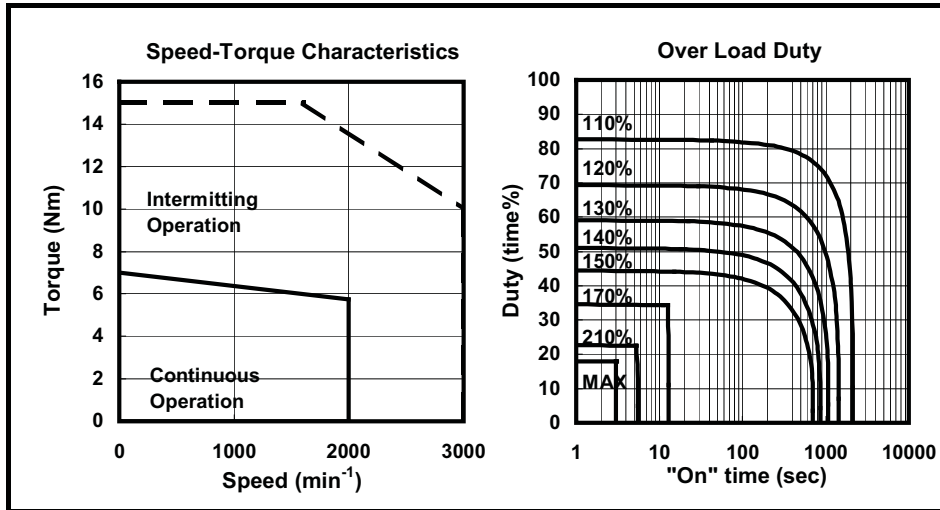


2.SPECIFICATIONS AND CHARACTERISTICS FANUC AC SERVO MOTOR β is SERIES B-65302EN/01

Model β 8/3000is

Specification A06B-0075-B□□□



Data sheet

Parameter	Symbol	Value		Unit
Stall Torque (*)	Ts	7		Nm
		71		kgfcm
Stall Current (*)	Is	6		A (rms)
Rated Output (*)	Pr	1.2		kW
		1.6		HP
Rating Speed	Nr	2000		min ⁻¹
Maximum Speed	Nmax	3000		min ⁻¹
Maximum Torque (*)	Tmax	15		Nm
		153		kgfcm
Rotor Inertia	Jm	0.00117		kgm ²
		0.0119		kgfcms ²
Rotor Inertia (with Brake)	Jm	0.00124		kgm ²
		0.0127		kgfcms ²
Torque constant (*)	Kt	1.16		Nm/A (rms)
		11.8		kgfcm/A (rms)
Back EMF constant (1 phase) (*)	Ke	41		V (rms)/1000 min ⁻¹
		0.39		V (rms)sec/rad
Armature Resistance (1 phase) (*)	Ra	1.00		Ω
Mechanical time constant	tm	0.003		s
Thermal time constant	tt	20		min
Static friction	Tf	0.3		Nm
		3		kgfcm
Weight	w	7.4		kg
Weight (with Brake)	w	9.6		kg
Maximum Current of Servo Amp.	Imax	20		A (peak)

(*) 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 software. (The above figures show average values.)

These values may be changed without notice.

Fig. 3(n) Models β 8is and β 12is

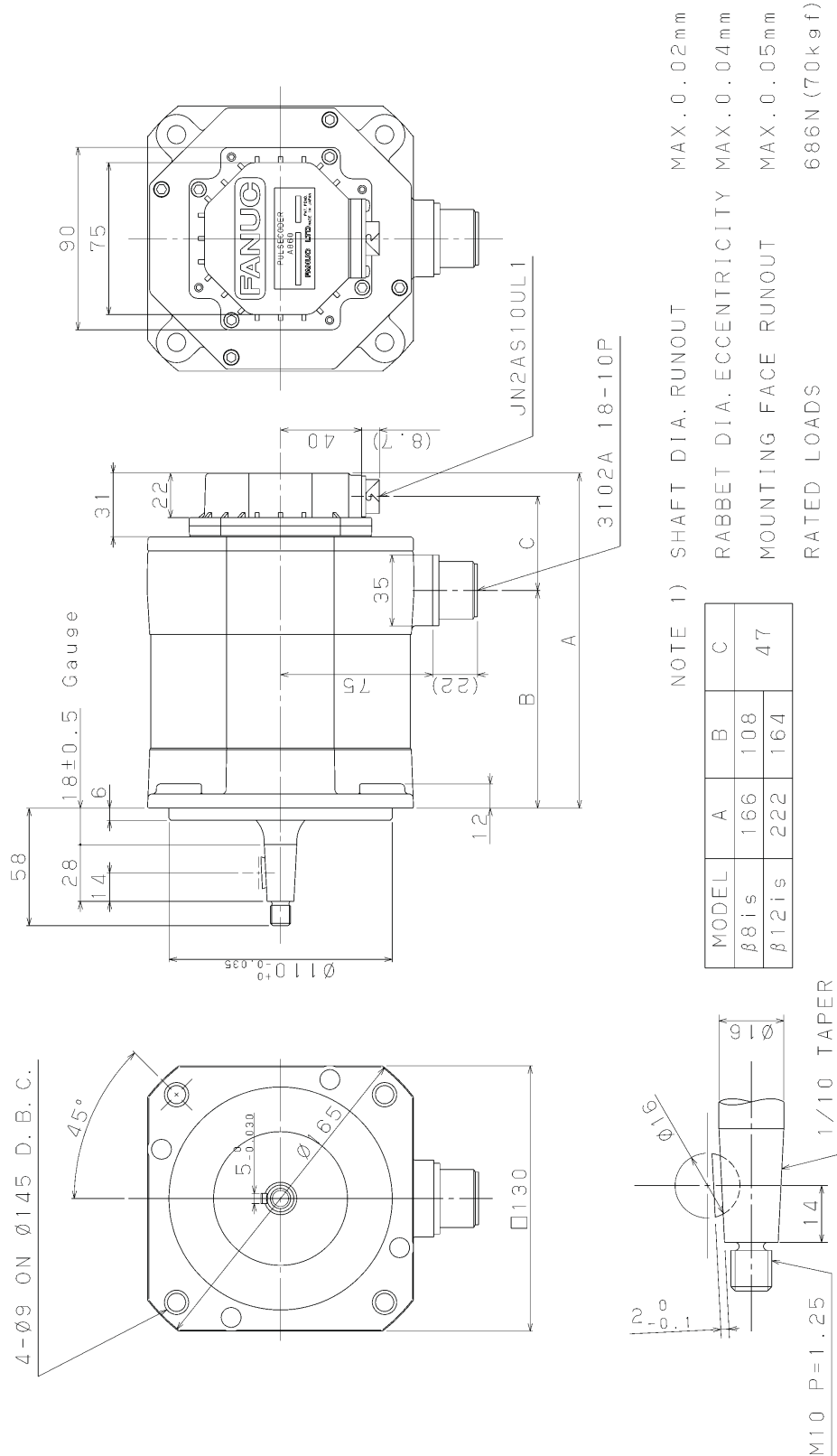


Fig. 3(p) Model β 8is (shaft option)

