

A06B-2087-B403 - Servo Motor BETA iS 30/2000-B, Straight Shaft, Brake 35 Nm, Absolute Encoder BETA iA1000, IP65

General

Description	Servo Motor BETA iS 30/2000-B, Straight Shaft, Brake 35 Nm, Absolute Encoder BETA iA1000, IP65
Model Name	BETA iS 30/2000
Specification	A06B-2087-B403
Standard Amplifier [A]	80
Encoder Type	Pulsecoder BETA iA1000
Int. Prot. Rating (IEC 60529)	IP 65
Thermal Protection (IEC 34-11)	TP 211
Model Code	472

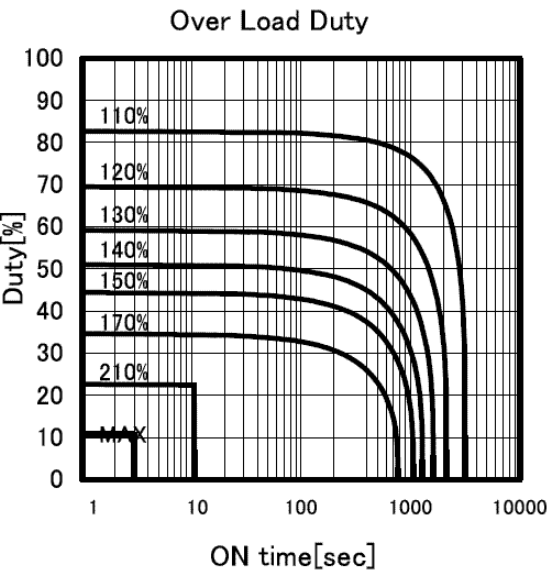
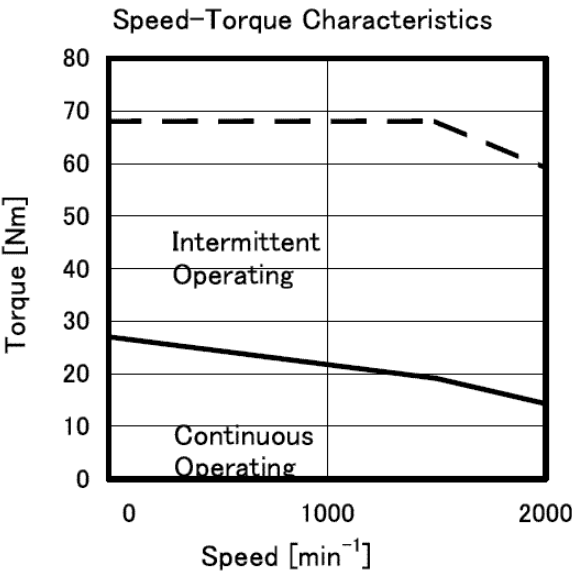
Technical Data

			(Default)
Item	Symbol	Unit	Value
Supply Voltage	U	VAC	200
Cooling Method	-	-	None
Rated Output	P _r	kW	3
Rated Speed	n _r	min ⁻¹	2000
Rated Torque (at stall) ¹⁾	T _s	Nm	27
Continuous Current (at stall) ¹⁾	I ₀	A _{rms}	18.6
Maximum Speed	n _{max}	min ⁻¹	2000
Maximum Output	P _{max1}	kW	11
Rotor Inertia	J _m	kgm ²	0.00819
Armature Resistance ¹⁾	R _a	□	0.15
Weight	m	kg	29
Torque Constant ¹⁾	k _T	Nm/A _{rms}	1.45
Back EMF Constant ¹⁾	k _e	V/1000min ₋₁ (1~)	51
Mechanical Time Constant	t _m	s	0.002
Thermal Time Constant	t _t	min	30
Static Friction	T _F	Nm	0.8
Brake Torque	T _b	Nm	35

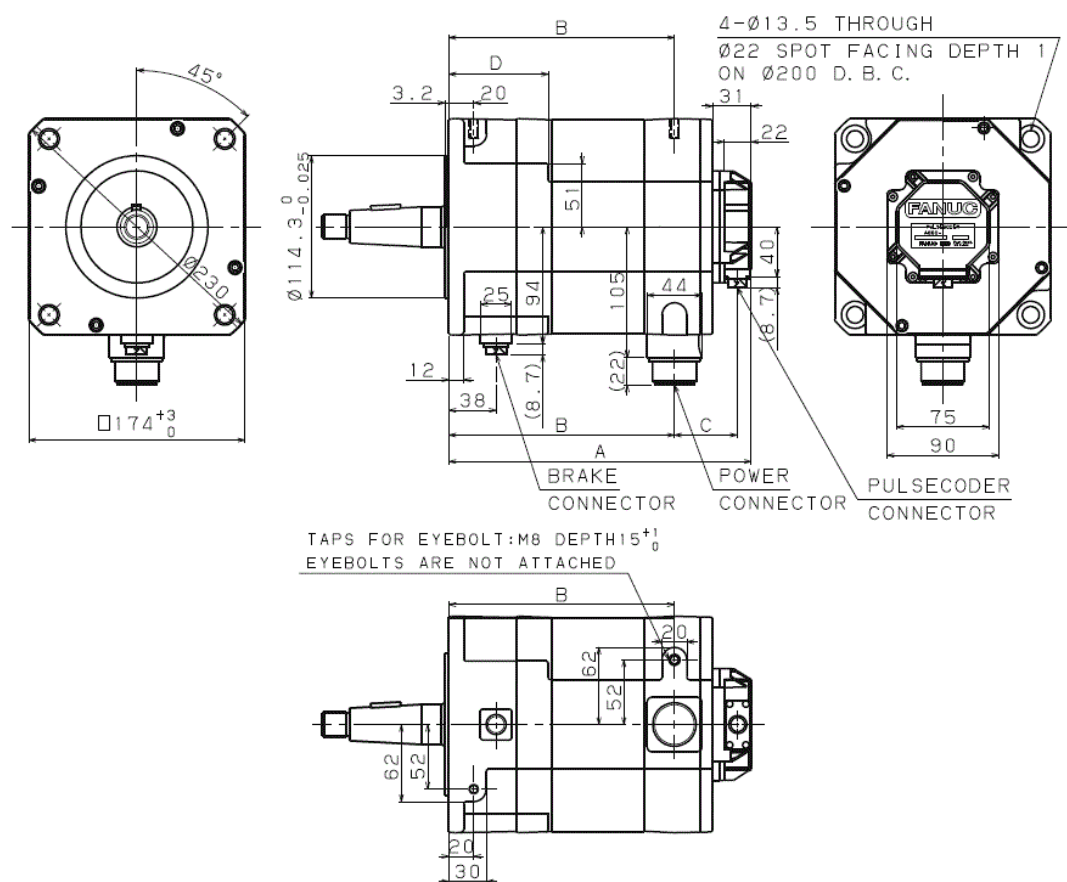
Remarks

1) The values are standard values at 20°C and tolerance is 10%.

Speed / Torque Characteristics



Outline Drawings



MODEL	A	B	C	D
β is 22, β is 22 HV, β isc 22 β iF 12	243	182	50	80
β is 30, β is 30 HV	280	219		
β is 40, β is 40 HV β iF 22	317	256		
β iF 30	391	330		

Shaft Dimensions

φ35
straight
shaft

