

# 400 W AC Servo Motor

## Type **6CC401**

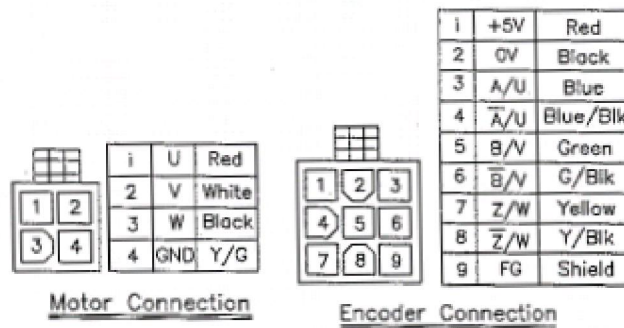
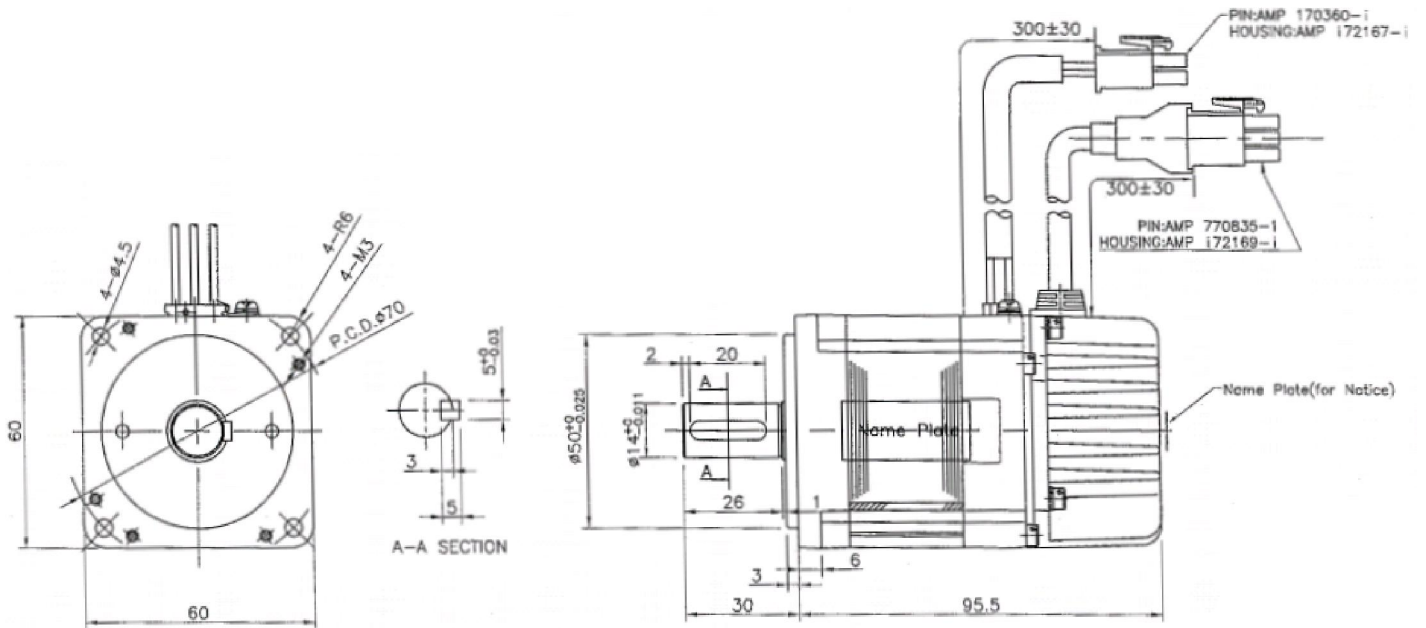
### Data Sheet

Electrical Specifications<sup>1</sup>:

Nr	Item	Symbol	Unit	Specification
1	Exciting Method	-	-	Permanent Magnet
2	Pole count	-	-	14
3	Phase count	-	-	3
4	Rated Power	$P_R$	W	400
5	Rated Torque	$T_R$	Nm	1.274
6	Max Torque	$T_{max}$	Nm	3.822
7	Rated Speed	$N_R$	rpm	3000
8	Max. Speed	$N_{max}$	rpm	4000
9	Rated Terminal Voltage	$V_t$	V	77.53
10	Rated Current	$I_R$	A	3.5
11	Max. Current	$I_{max}$	A	10.5
12	Torque Constant	$K_t$	Nm/A	0.39
13	Voltage Constant	$K_e$	V/krpm	40.4
14	Rotor Inertia	$J_M$	Kgcm <sup>2</sup>	0.277
15	Resistance	$R_a$	$\Omega$	2.94
16	Inductance	$L_a$	mH	5.7
17	Mech. Time Constant	$T_m$	ms	0.55
18	Elect. Time Constant	$T_e$	ms	1.94
19	Encoder type	-	-	QEP 5V differential signals
20	Encoder resolution	-	ppr	2500
21	Insulation class	-	-	Class F
22	Weight	$W$	kg	1.44
23	Operation Temp.	$T$	$^{\circ}C$	0÷40
24	Operation Humidity	RH	%	<90

<sup>1</sup> According to the manufacturer's Specification

25	Storage Temp.	T	°C	-20÷60
26	Storage Humidity	RH	%	<90



Performance curve

