

750 W AC Servo Motor

Type **8BB751** with planetary gear box $i=10$

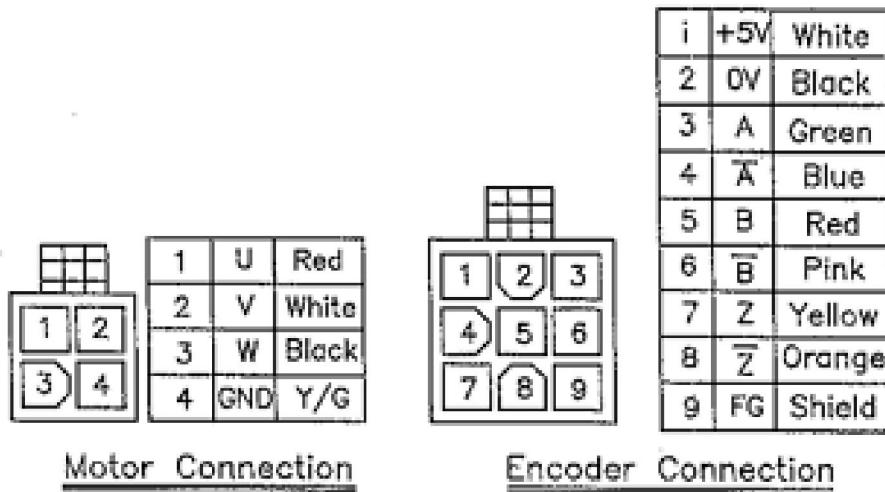
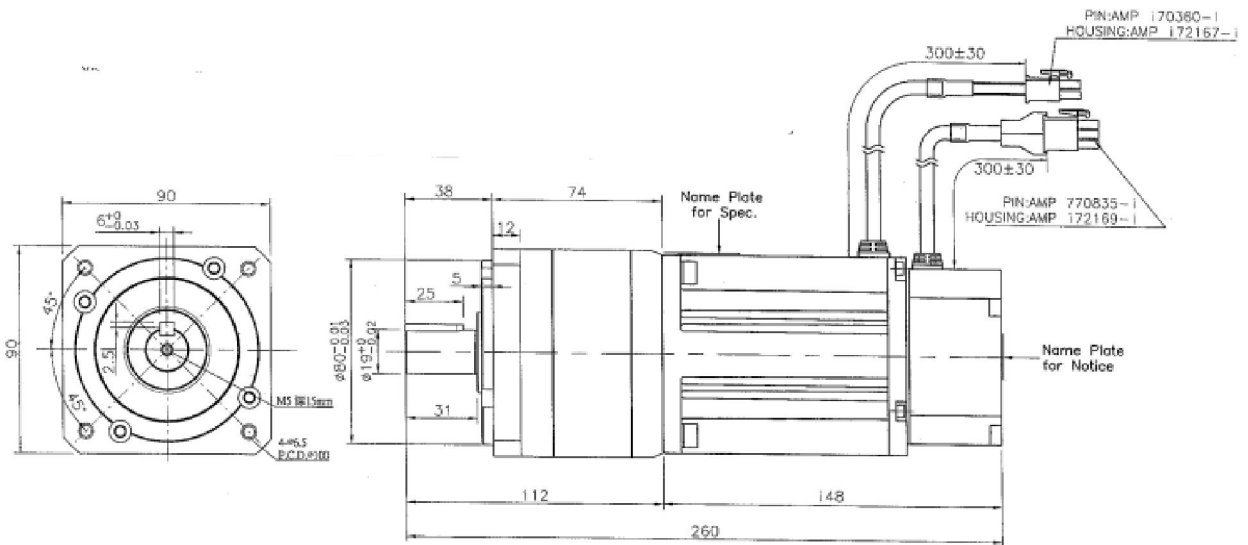
Data Sheet

Electrical Specifications¹:

Nr	Item	Symbol	Unit	Specification
1	Exciting Method	-	-	Permanent Magnet
2	Pole count	-	-	8
3	Phase count	-	-	3
4	Rated Power	P_R	W	750
5	Rated Torque	T_R	Nm	23.9
6	Max Torque	T_{max}	Nm	71.7
7	Rated Speed	N_R	rpm	300
8	Rated Terminal Voltage	V_t	V	149.4
9	Rated Current	I_R	A	3.4
10	Max. Current	I_{max}	A	10.2
11	Torque Constant	K_t	Nm/A	7.76
12	Voltage Constant	K_e	V/krpm	814
13	Rotor Inertia	J_M	Kgcm ²	4.049
14	Resistance	R_a	Ω	3.27
15	Inductance	L_a	mH	10.2
16	Mech. Time Constant	T_m	ms	1.032
17	Elect. Time Constant	T_e	ms	3.12
18	Encoder type	-	-	QEP 5V differential signals
19	Encoder resolution	-	ppr	2500
20	Insulation class	-	-	Class F

¹ According to the manufacturer's Specification

21	Weight	W	kg	5.91
22	Operation Temp.	T	°C	0÷40
23	Operation Humidity	RH	%	<90
24	Storage Temp.	T	°C	-20÷60
25	Storage Humidity	RH	%	<90



Performance curve w/o gearbox:

