



SPECIFICATION	VALUE
RATED VOLTAGE(VAC)	380
RATED POWER(W)	2500
RATED TORQUE(Nm)	7.96
PEAK TORQUE(Nm)	26.5
RATED SPEED(RPM)	3000
PEAK SPEED(RPM)	6000
RATED CURRENT(Amp)	8.01
PEAK CURRENT(Amp)	27.8
TORQUE CONST(Nm/Amp)	0.974
BACK EMF CONST(V/KRPM)	61.45
RESISTANCE(Ω)	0.644
INDUCTANCE(mH)	9.98
INERTIA(Kg·m <sup>2</sup> ·10 <sup>-4</sup> )	4.36
POLES	10
ENCODER TYPE	17bit magnetic
IP RATING	IP67
WEIGHT(KG)	6.30

WIRING DETAILS OF POWER CABLE CONNECTOR							
	PIN No.	A	B	C	D	-	-
	DESCRIPTION	U	V	W	PE	-	-
	COLOR	-	-	-	-	-	-

WIRING DETAILS OF ENCODER CABLE CONNECTOR								
	PIN No.	1	2	4	5	6	9	10
	DESCRIPTION	DATA+	DATA-	+5V	BAT-	BAT+	0V	SHELL
		-	-	-	-	-	-	-

THE PART NUMBER OF CABLE FOR A6M100-2500H3A1-M17 MOTOR		
POWER CABLE	AS7-C-PWR062-3.0	3m
ENCODER CABLE	AS7-C-ENC072-3.0	3m



	APVD	LJ	4.24.2026
	CHKD		
1:3	DRN	LDJ	4.24.2026
SCALE	SIGNATURE		DATE

**AC SERVO MOTOR**  
**A6M100-2500H3A1-M17**