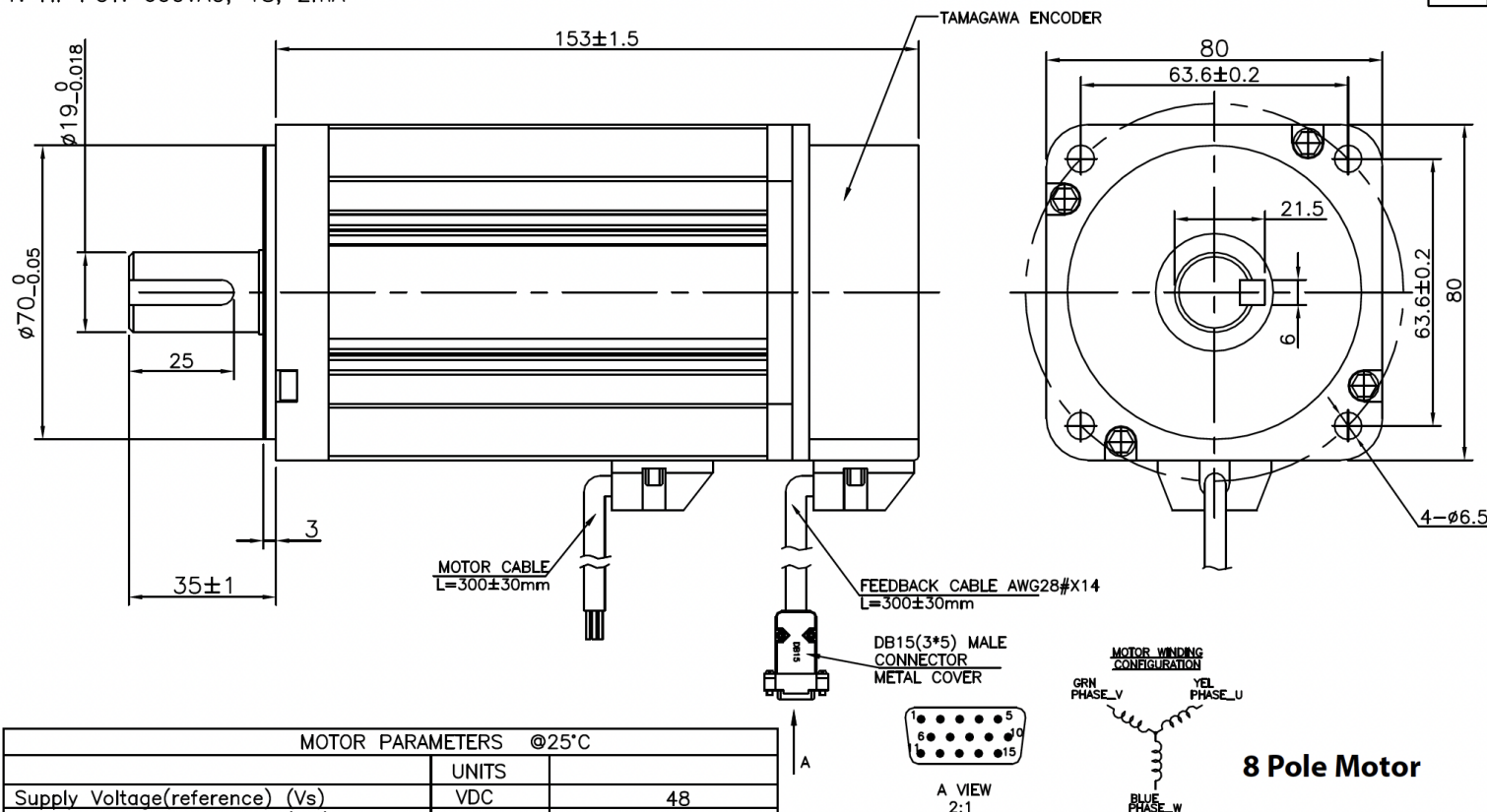
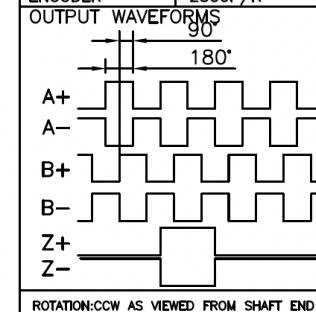


NOTE:
1. HI-POT: 600VAC, 1S, 2mA

REV	DESCRIPTION	DATE	APPROVE
P1	PRELIMINARY	24/07/10	WDP



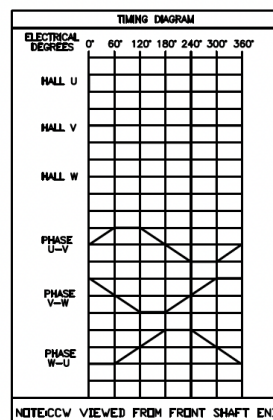
ENCODER SPECIFICATION	
VOLTAGE	+5VDC±5%
CURRENT	<60mA
FREQUENCY	0~300khz
TEMPERATURE	-30~105°C
ENCODER	2500P/R



ENCODER CONNECTIONS		
PIN	COLOR	SIGNAL
1	BLU	A+
2	GRN	B+
3	BLK	GND
4	GAY	W+
5	BRN	U+
6	BRN/BLK	U-
7	YEL	Z+
8	YEL/BLK	Z-
9	WHT	V+
10	WHT/BLK	V-
11	BLU/BLK	A-
12	GRN/BLK	B-
13	RED	+5v
14	GAY/BLK	W-
15	NC	NC

MOTOR CONNECTIONS		
	COLOR	SIGNAL
	YEL	U
	GRN	V
	BLUE	W
	YEL/GRN	GND

MOTOR PARAMETERS @25°C		
	UNITS	
Supply Voltage(reference) (Vs)	VDC	48
Rated Continuous Torque (Tcr)	Nm	2.44
Rated Speed at Cont.Torque (Scr)	R.P.M.	3000
Rated Continuous Stall Current (Ics)	A	31.52
Rated Continuous Output Power (Po.c)	W	765
Motor Constant (Km)	Nm/√w	0.2449
Torque Constant (KT)	Nm/A	0.0812
Voltage Constant (KE)	Vrms/krpm	8.0
Terminal Resistance (Rmt)	ohms	0.11
Inductance (L)	mH	0.25
Rated Peak Current (Ipr)	A	104.21
Rated Peak Torque (Tpr)	Nm	8.10
Coulomb Friction Torque (Tf)	Nm	0.061
Insulation Class		F
Rotor Inertia (Jr)	Kg.m ²	1.65E-04
Motor Weight (Wm)	Kg	2.72
Feedback Device		2500p/rev incremental encoder



NOTE: THIS DRAWING HAS BEEN CREATED BY AUTOCAD. MANUAL REVISIONS ARE NOT ALLOWED.

MATERIAL		TOLERANCE UNLESS OTHERWISE SPECIFIED ISO 2768-1 MEDIUM			
DRAWN XXX	CHECKED	APPROVED - DATE	FILENAME	DATE XX/XX/XX	SCALE N/A
Mach Motion Products			BRUSHLESS SERVO MOTOR		
			SV080AS-02		SHEET 1/1

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