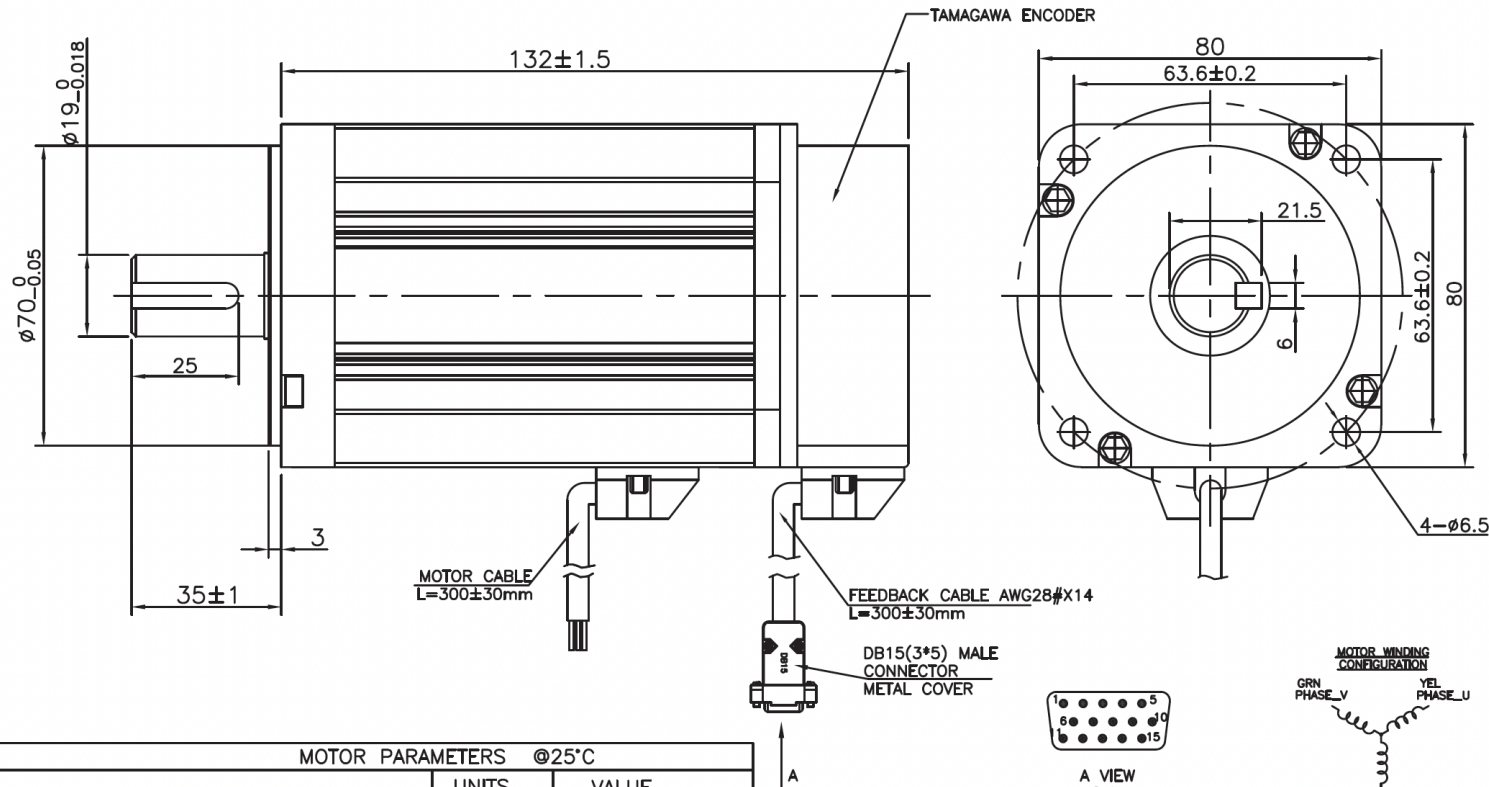


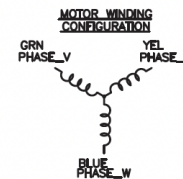
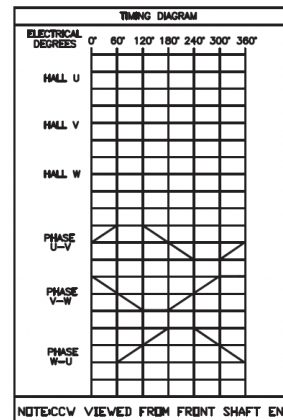
REV	DESCRIPTION	DATE	APPROVE
P1	PRELIMINARY	24/03/27	QYJ



ENCODER SPECIFICATION	
VOLTAGE	+5VDC±5%
CURRENT	<60mA
FREQUENCY	0~300kHz
TEMPERATURE	-30~105°C
ENCODER	2500P/R
OUTPUT WAVEFORMS	
90°	
180°	
A+	
A-	
B+	
B-	
Z+	
Z-	
ROTATION:CCW AS VIEWED FROM SHAFT END	

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 PARAMETERS @25°C		
	UNITS	VALUE
Supply Voltage(reference) (Vs)	VDC	48
Rated Continuous Torque (Tcr)	Nm	1.31
Rated Speed at Cont.Torque (Scr)	R.P.M.	3000
Rated Continuous Stall Current (Ics)	A	16.93
Rated Continuous Output Power (Po.c)	W	411
Motor Constant (Km)	Nm/√w	0.2030
Torque Constant (KT)	Nm/A	0.0812
Voltage Constant (KE)	Vrms/krpm	8.0
Terminal Resistance (Rmt)	ohms	0.25
Inductance (L)	mH	0.45
Rated Peak Current (Ipr)	A	57.88
Rated Peak Torque (Tpr)	Nm	4.50
Coulomb Friction Torque (Tf)	Nm	0.0470
Insulation Class		F
Rotor Inertia (Jr)	Kg.m ²	1.2E-04
Motor Weight (Wm)	Kg	2.1
Feedback Device	2500p/rev incremental encoder	



8 Pole Motor

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

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

MATERIAL		TOLERANCE UNLESS OTHERWISE SPECIFIED	
		ISO 2768-1 MEDIUM	
DRAWN	CHECKED	APPROVED - DATE	FILENAME
XXX			
DATE		DATE	SCALE
XX/XX/XX		XX/XX/XX	N/A
BRUSHLESS SERVO MOTOR			SHEET
SV080AS-01			1/1



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