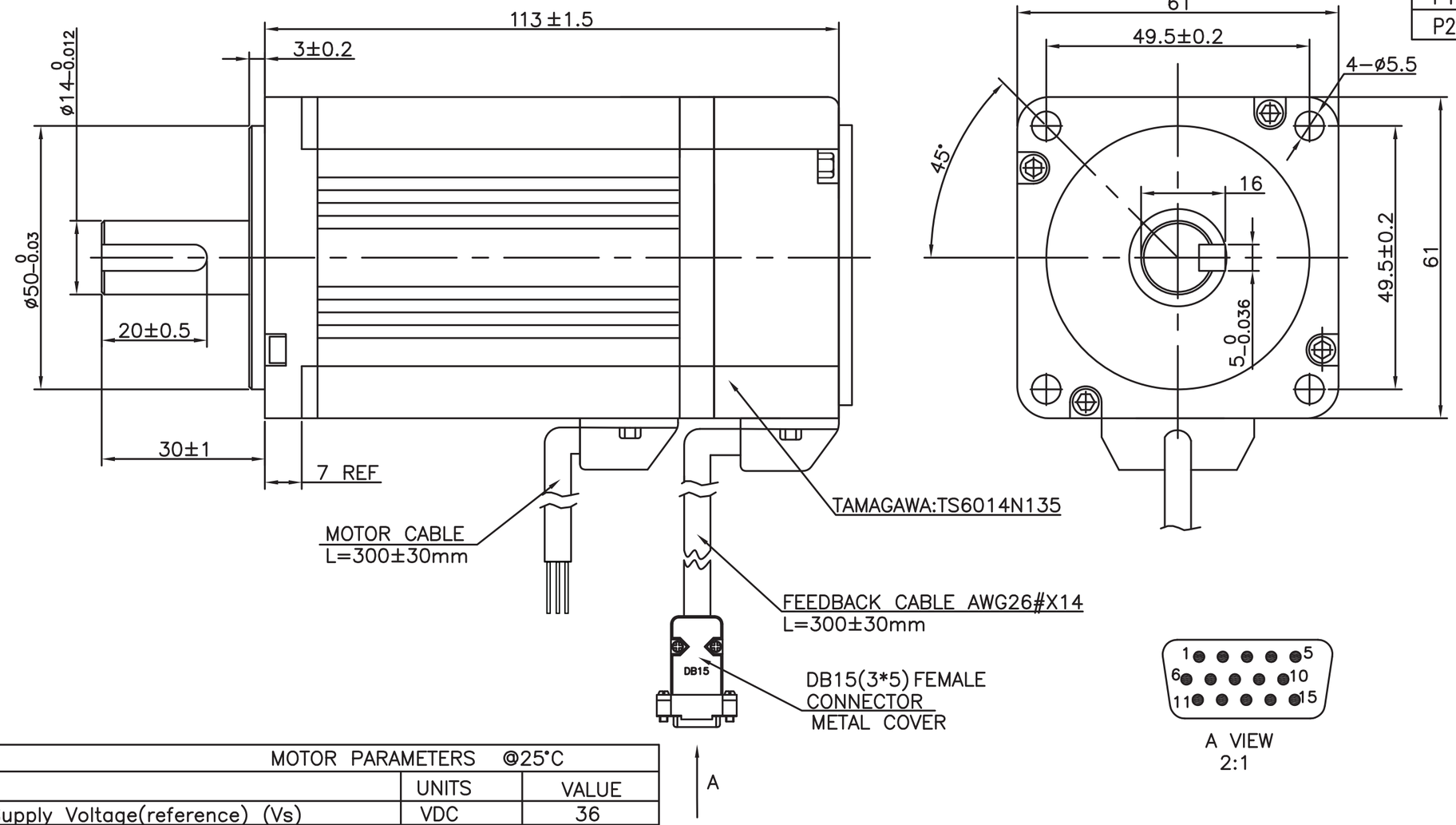
SV060AS-02

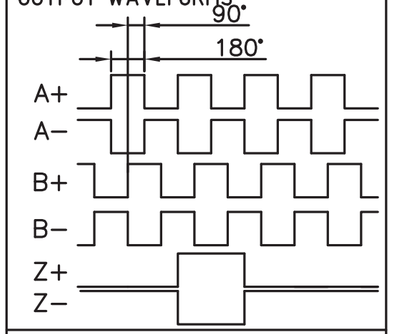
Mach Motion Products

REV	DESCRIPTION	DATE	APPROVE
P1	PRELIMINARY	19/11/25	QYJ
P2	PRELIMINARY	19/12/04	QYJ



ENCODER SPECIFICATION	
VOLTAGE	+5VDC±5%
CURRENT	<60mA
FREQUENCY	0~300khz
TEMPERATURE	−30~105°C
ENCODER	2500PPR

OUTPUT WAVEFORMS

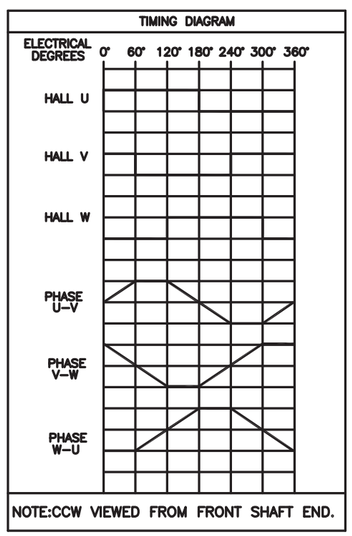


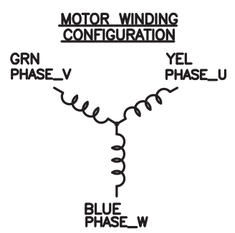
ROTATION:CCW AS VIEWED FROM SHAFT END

A VIEW
2:1

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	/	/

MOTOR PARAMETERS @25°C		
	UNITS	VALUE
Supply Voltage(reference) (Vs)	VDC	36
Rated Continuous Torque (Tcr)	Nm	0.53
Rated Speed at Cont.Torque (Scr)	R.P.M.	4000
Rated Continuous Stall Current (Ics)	A	9.84
Rated Continuous Output Power (Po.c)	W	223
Motor Constant (Km)	Nm/√w	0.0998
Torque Constant (KT)	Nm/A	0.0573
Voltage Constant (KE)	Vrms/krpm	6.0
Terminal Resistance (Rmt)	ohms	0.33
Inductance (L)	mH	0.35
Rated Peak Current (Ipr)	A	30.78
Rated Peak Torque (Tpr)	Nm	1.69
Coulomb Friction Torque (Tf)	Nm	0.017
Insulation Class		F
Rotor Inertia (Jr)	$Kg.m^2$	0.15
Motor Weight (Wm)	Kg	1.08
Feedback Device		2500p/rev





MOTOR CONNECTIONS		
	COLOR	SIGNAL
1	YEL	U
2	GRN	V
3	BLUE	W
4	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 XXX	CHECKED XXX	APPROVED − DATE	FILENAME N/A	DATE XXX	SCALE N/A
	BRUSHLESS SERVO MOTOR				
	SV060AS-02				SHEET 1/1

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