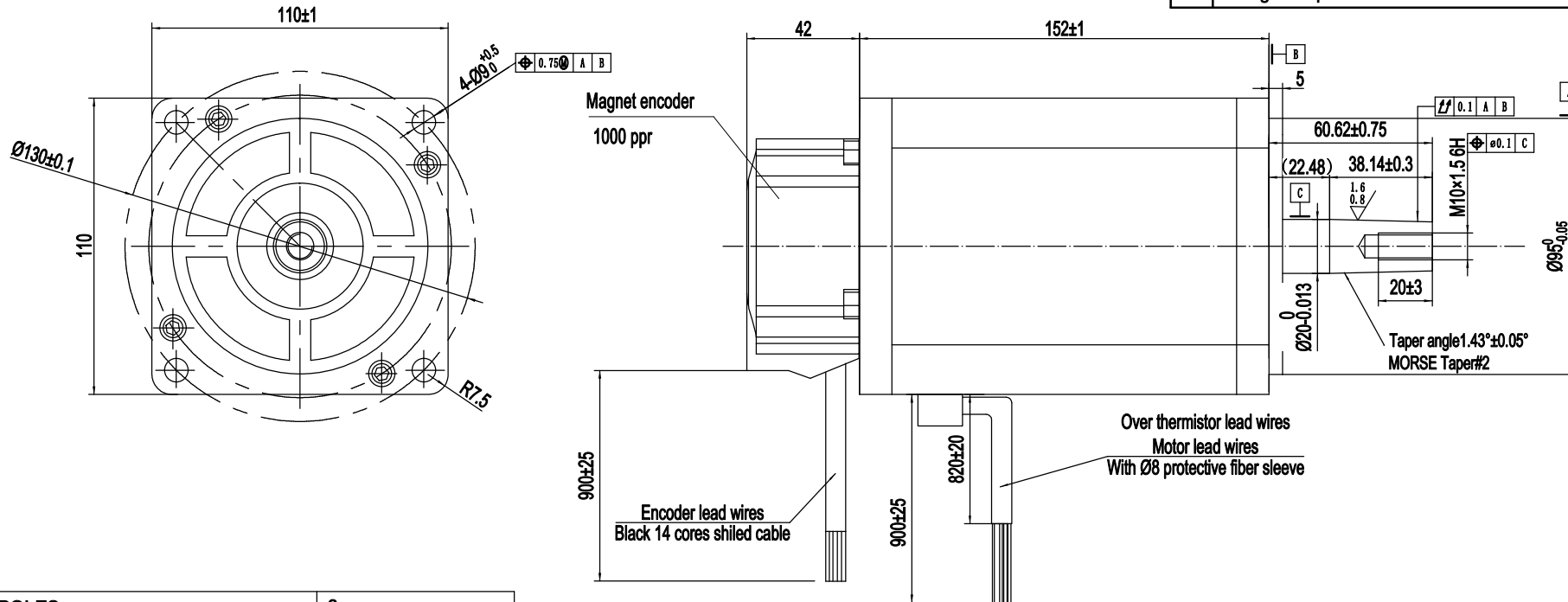


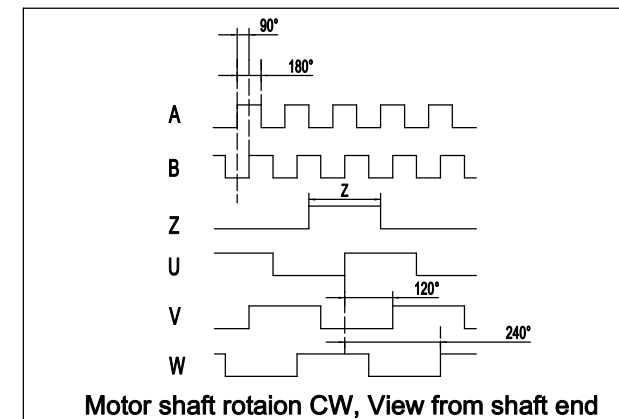
Rev	Modify details	Modified by	Date
H	Add encoder Z to connector pin4	Tim H	2020/9/03
I	Change the motor shaft	Tim H	2020/8/31
J2	Change to taper shaft / remove the connector. tolerance	Tim H	2023/10/11




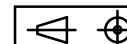
POLES	8
RESISTANCE	0.9 OHMS
INDUCTANCE	2.3mH
NOMINAL VOLTAGE	310 VDC
NO LOAD SPEED	5000 RPM
NO LOAD CURRENT	2.5 Amps Max.
RATED TORQUE	4.7 N-m
RATED SPEED	4000±10% RPM
RATED CURRENT	15 Amps MAX
OUTPUT POWER	1970 W
BACK EMF CONSTANT	40.7 V/kRPM
TORQUE CONSTANT	0.59 N-m/A
ROTOR MOMENT OF INERTIA	10.05x10 ⁻⁴ Kg.m ²
INSULATION CLASS	F
THERMAL PROTECTOR	17AM033A5-ZZ
FRONT BEARING	NSK 6304
REAR BEARING	NSK 6202
OPERATING AMB. TEMP RANGE	12°C to 55 °C
STORAGE TEMP. RANGE	-40°C to +85 °C
ALL INSULATION MATERIAL	UL CERTIFICATION

ENCODER LEAD WIRES DEFINE	
FUNCTION	COLOR
DC +5V	RED
A	BLUE
B	GREEN
Z	YELLOW
U	BROWN
V	WHITE
W	GRAY
GND	BLACK

MOTOR CONNECTOR PIN DEFINE		
NAME	COLOUR	
PHASE U	YELLOW	UL1330 16AWG
PHASE U	GREEN	
PHASE W	BLUE	
PE	YEL/GRN	
PT1	BLK	UL1330 26AWG
PT2	BLK	



Project No.: 80558	Part No.: EL110BLSE194-80558	Material	REV J2
Description: DC Brushless motor		Weight	Scale 1:1
		Design:	Tim H 2023/10/11
 www.elmeq.com		Approve:	



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