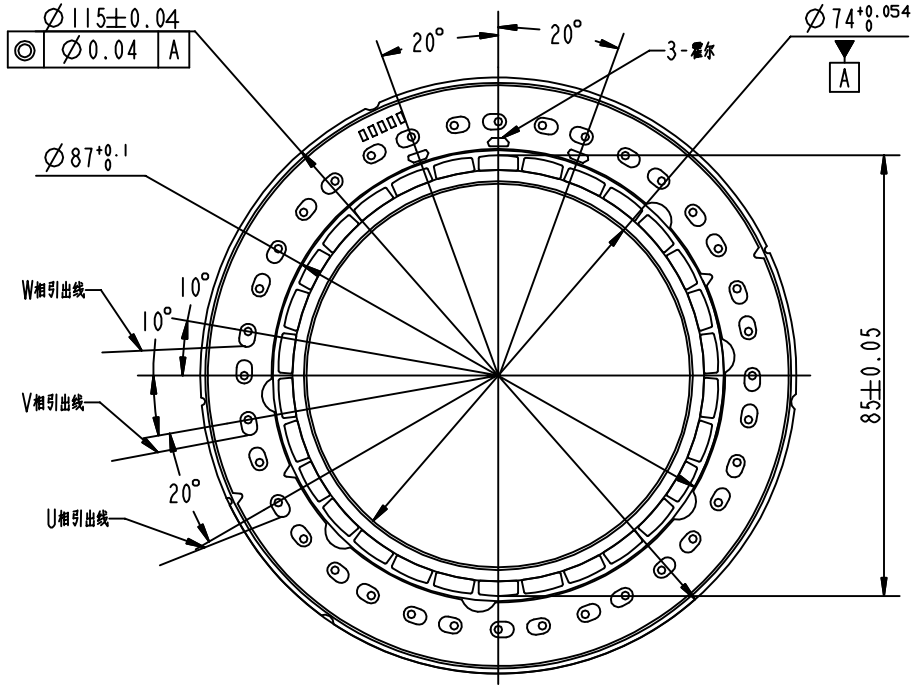
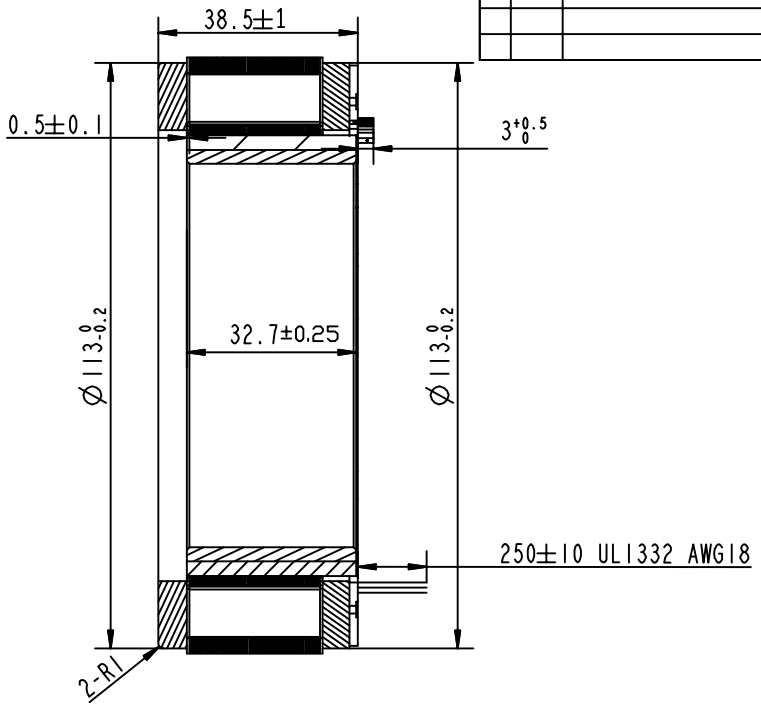
REV	ECN NO	DESCRIPTION	DRN	APP'D	DATE





NUMBER OF PHASE	绕组相数	3
NUMBER OF POLES	极数	30
LINE TO LINE RESISTANCE	线电阻	0.15±10% ohms@20°C
LINE TO LINE INDUCTANCE	线电感	0.23±20% mH@1kHz
NOMINAL VOLTAGE	额定电压	48 VDC
NO LOAD SPEED	空载转速	1900±10% RPM
NO LOAD CURRENT	空载电流	1.4 A(ref)
RATED TORQUE	额定转矩	3.9 N.m
RATED SPEED	额定转速	1400 RPM
RATED CURRENT	额定电流	14.1 A
PEAK TORQUE	峰值转矩	12.7 N.m
PEAK CURRENT	峰值电流	58 A
BACK EMF CONSTANT	反电势常数	17.7 Vrms/kRPM
TORQUE CONSTANT	转矩常数	293 mN.m/A
INSULATION CLASS	绝缘等级	B130°C
DIELECTRIC STRENG	介电强度	1000VAC 1SEC
INSULATION RESIST	绝缘电阻	100MOhm @500VDC
ROTOR INERTIA	转子转动惯量	TBDg.cm²
WEIGHT	重量	1.1Kg
OPERATION AMBIENT	使用环境	Ambient temperature:-25...+45°C,humidity Max.85%(No condensation)
STORAGE AMBIENT	存储环境	Ambient temperature:-10...+45°C,humidity Max.85%(No condensation)

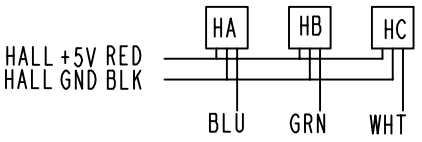
Wires for Phases UL1332 AWG18		
PHASE U	PHASE V	PHASE W
YEL	RED	BLK

Wires for Hall UL2464 AWG24				
HALL Vc	Hu	Hv	Hw	HALL Gnd
RED	BLU	GRN	WHT	BLK

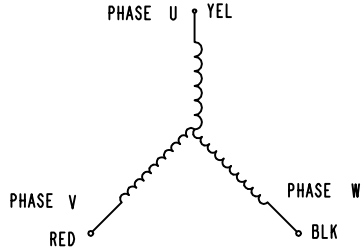
PERMISSIBLE RADIAL+AXIAL FORCE

AXIAL-FORCE	轴向压力	Fa= N Max
DISTANCE	距离	a= mm
RADIAL-FORCE	径向压力	Fr= N Max
SHAFT RADIAL PLAY	径向间隙	mm Max.@4N
SHAFT AXIAL PLAY	轴向间隙	mm Max.@4N

HALL CONNECTING



THREE-PHASE CONNECTING
STAR CONNECTION



REV	ECN NO.	DESCRIPTION
A		

UNLESS OTHERWISE SPECIFIED TOLERANCES:
DECIMALS: ANGULAR:
.X ±0.5 ±0°30′
.XX ±0.25
.XXX ±0.1
UNIT: mm
DO NOT SCALE DRAWING

MATERIAL | CONTR.

FIRST ANGLE PROJECTION

		DATE
DESIGN		
CHECK		
APPD		

SCALE 1:2
SHEET 1 OF 1

P/N.	
TITLE	电机
USED ON	FL115BL25-48V-14570
DWG NO.	REV A

FULLING MOTOR