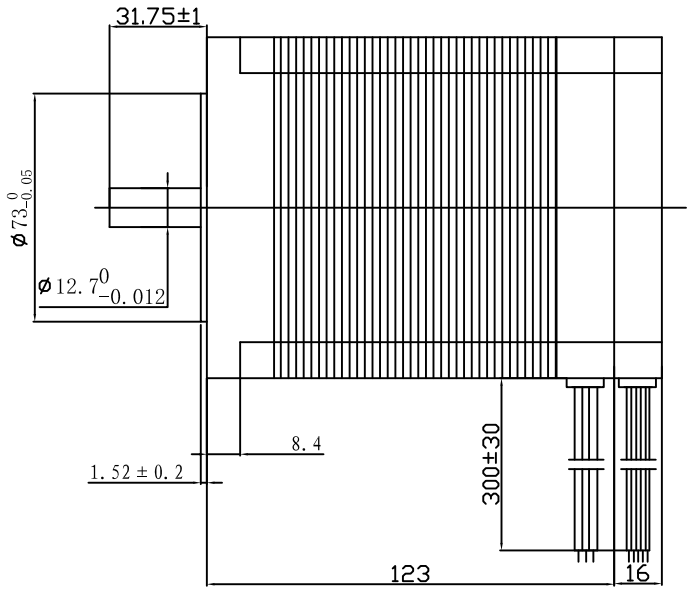
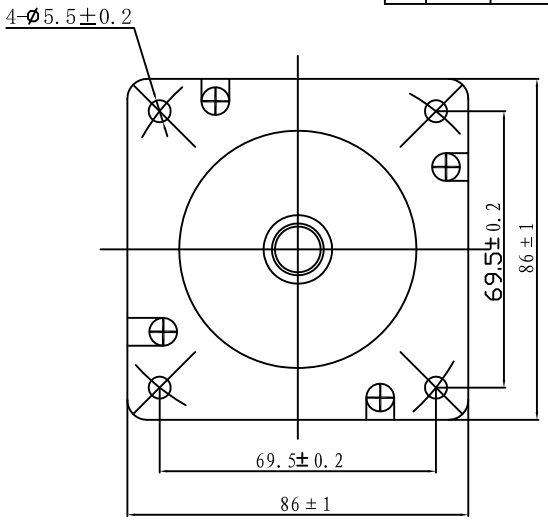
REV	ECN NO.	DESCRIPTION



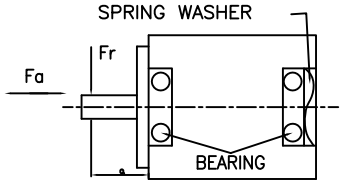


NUMBER OF PHASE	绕组相数	3
NUMBER OF POLES	极数	8
LINE TO LINE RESISTANCE	线电阻	0.1±10% ohms@20°C
LINE TO LINE INDUCTANCE	线电感	0.31±20% mH@1kHz
NOMINAL VOLTAGE	额定电压	48 VDC
NO LOAD SPEED	空载转速	3500 RPM
NO LOAD CURRENT	空载电流	1.9 A
RATED TORQUE	额定转矩	2.1 N.m
RATED SPEED	额定转速	3000 RPM
RATED CURRENT	额定电流	16.4 A
PEAK TORQUE	峰值转矩	6.3 N.m
PEAK CURRENT	峰值电流	50 A
BACK EMF CONSTANT	反电势常数	9.5 Vrms/kRPM
TORQUE CONSTANT	转矩常数	0.128 N.m/A
INSULATION CLASS	绝缘等级	B 130°C
DIELECTRIC STRENGTH	介电强度	600VAC 1SEC
INSULATION RESISITANCE	绝缘电阻	100MOhm @500VDC
ROTOR INERTIA	转子转动惯量	2400 g.㎝
WEIGHT	重量	4.2 Kg
OPERATION AMBIENT	使用环境	Ambient temperature:-20...+55°C,humidity Max. 85%(No condensation)
STORAGE AMBIENT	存储环境	Ambient temperature:-10...+35°C,humidity Max. 85%(No condensation)

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

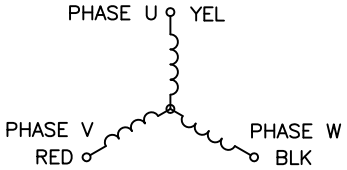
Wires for Hall UL1332 AWG22				
HALL Vc	Hu	Hv	Hw	HALL Gnd
RED	BLU	GRN	WHT	BLK

PERMISSIBLE RADIAL+AXIAL FORCE

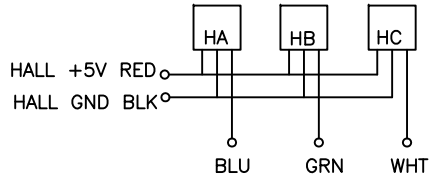


AXIAL-FORCE	径向压力	Fa=220 N Max.
DISTANCE	距离	a=20 mm
RADIAL-FORCE	轴向压力	Fr=60 N Max.
SHAFT RADIAL PLAY	径向间隙	0.02mm Max.@450g
SHAFT AXIAL PLAY	轴向间隙	0.08mm Max.@450g

THREE-PHASE CONNECTING
STAR CONNECTION



HALL CONNECTING



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

DESIGN | DATE
CHECK
APPD

SCALE N.T.S
SHEET 1 OF 1

P/N. 3.1.02.XXX.XXXX
TITLE Specifications
USED ON FL86BLS125
DWG NO. | REV A

FULLING MOTOR