JIWU TECH

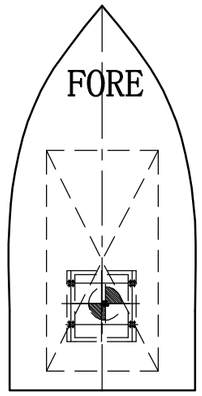
STABILIZED BY GYROSCOPIC POWER

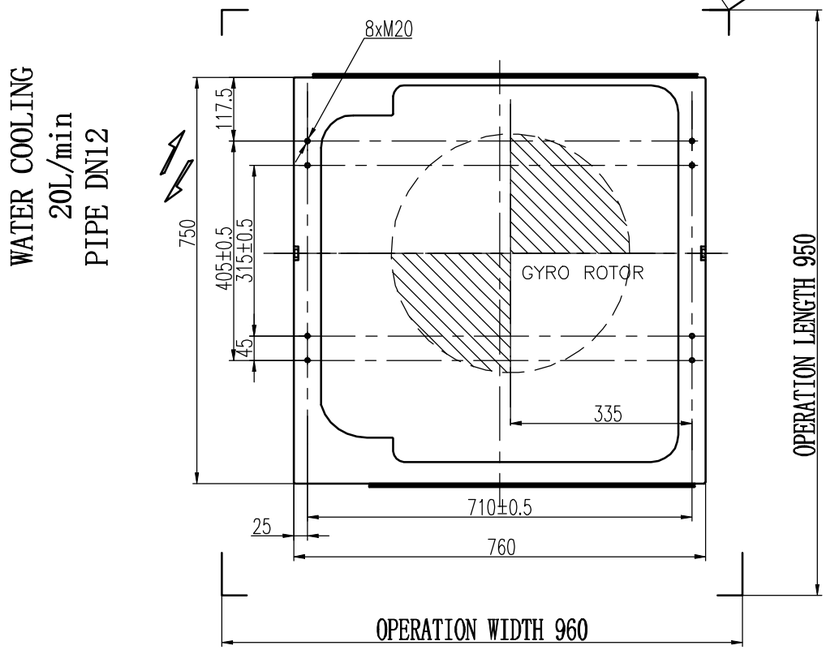
Product information

JW-5

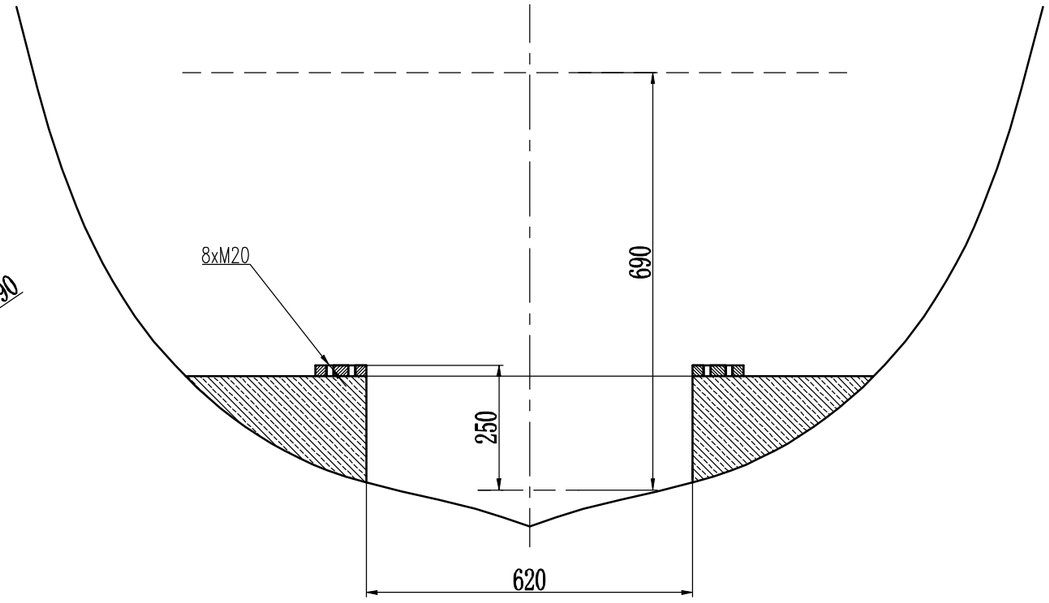
For Boats	About 50’ (up to 20 tons)
Weight	360 kg±5%
Dimensions	760*750*610 mm
Rated Speed	9000 RPM
Angular Momentum at Rated RPM	5000 N-M-S
Anti-Rolling Torque at Rated RPM	15500 N-M
Spool-up Time to Rated RPM	40 min
Spool-up Time to Stabilization (70% Rated RPM)	20 min
Spool-up Power	2000 W
Operating Power	1500 W - 2000 W
AC Input	AC220V，50/60HZ
Sea Water Supply to Heat Exchanger	20 LPM
Ambient Air Temprature	-20-60 ℃
Noise Output	68 - 72 dB

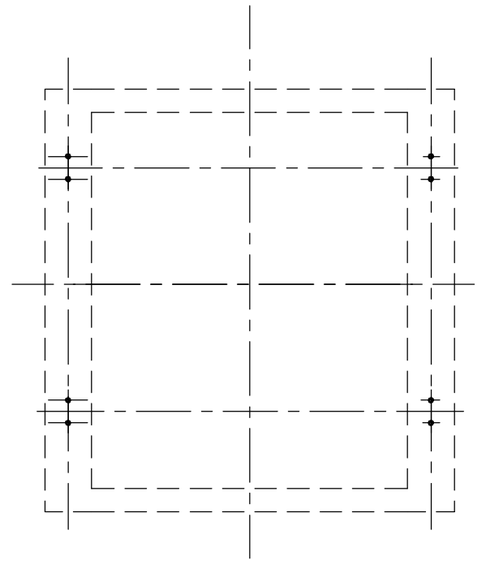
GYRO LOCATION ON BOAT





OPERATION SPACE >950X960X690mm





REQUIREMENTS

1. GYRO SUPPORT STRUCTURE MUST BE PARALLEL TO VESSEL WATERLINE.
2. THE MOUNTING BASE AND BOLTS SHOULD HAVE ENOUGH INTENSITY TO WITHSTAND 150NM OF TORQUE.
3. BOLT HOLES LOACTION MUST BE SUITALBE IN 0.5MM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED				
CRAFT			APPROVE	CHENSHAONAN
STANDARD			DATE	2018/11/12

INSTALLATION BOLT DETAIL

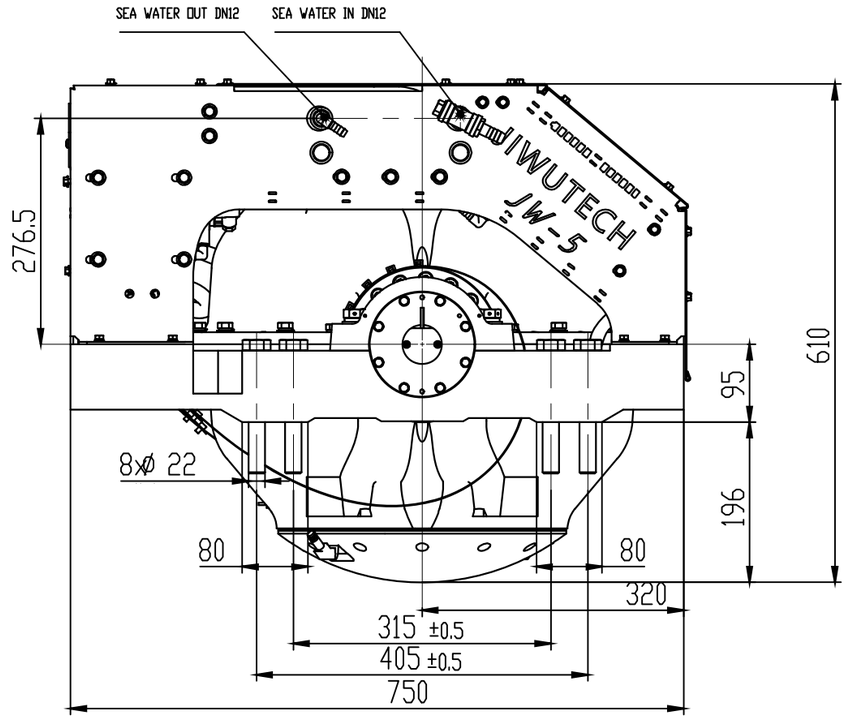
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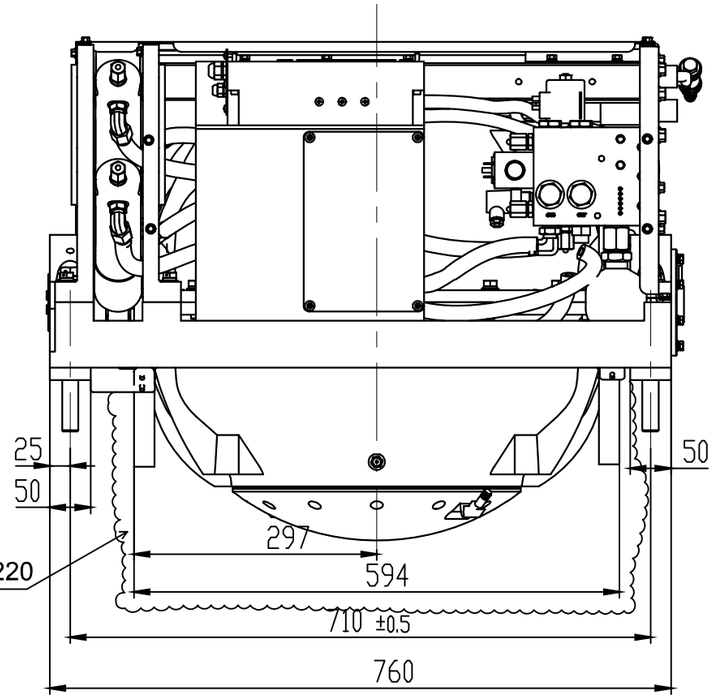
STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

TOTAL PAGES | PAGE

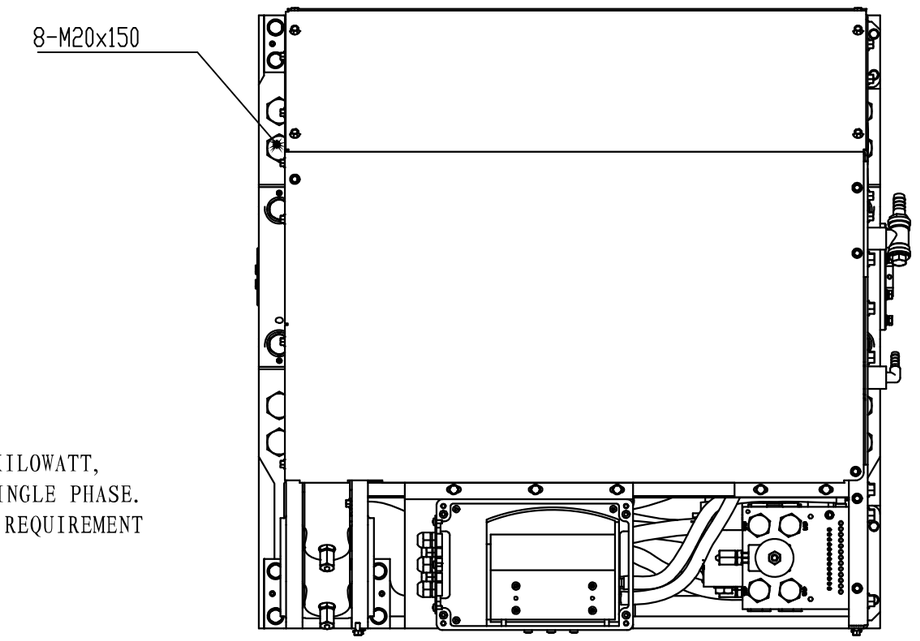
SHANGHAI JIWU TECH

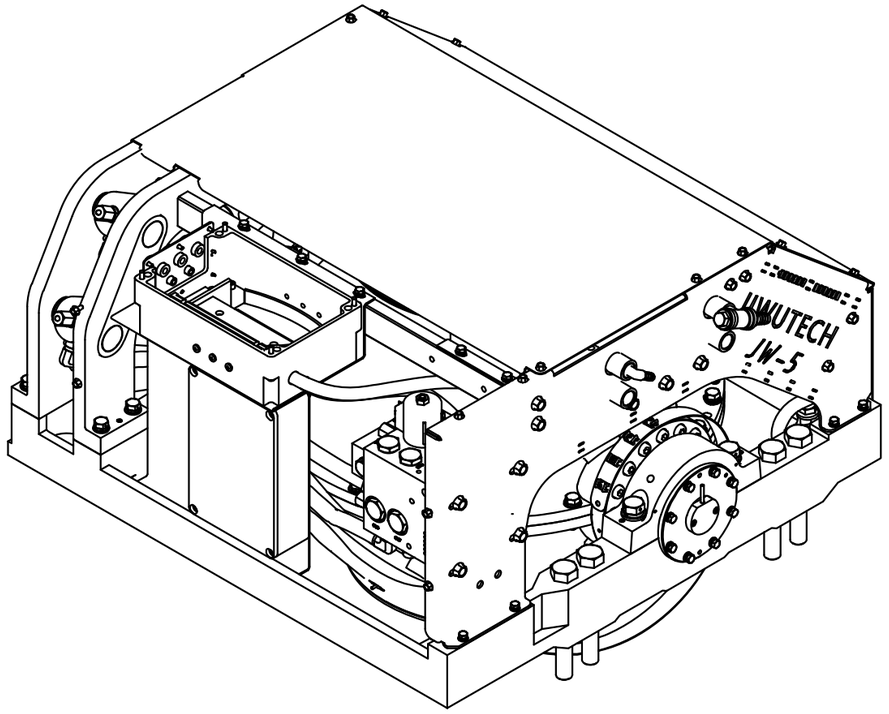
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ORERATION SPACE 650X220





NOTES

1. MOTOR POWER IS 2 KILOWATT, VOLTAGE IS 220V, SINGLE PHASE.
2. SEA WATER COOLING REQUIREMENT IS 20LPM

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
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CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2018/11/12	

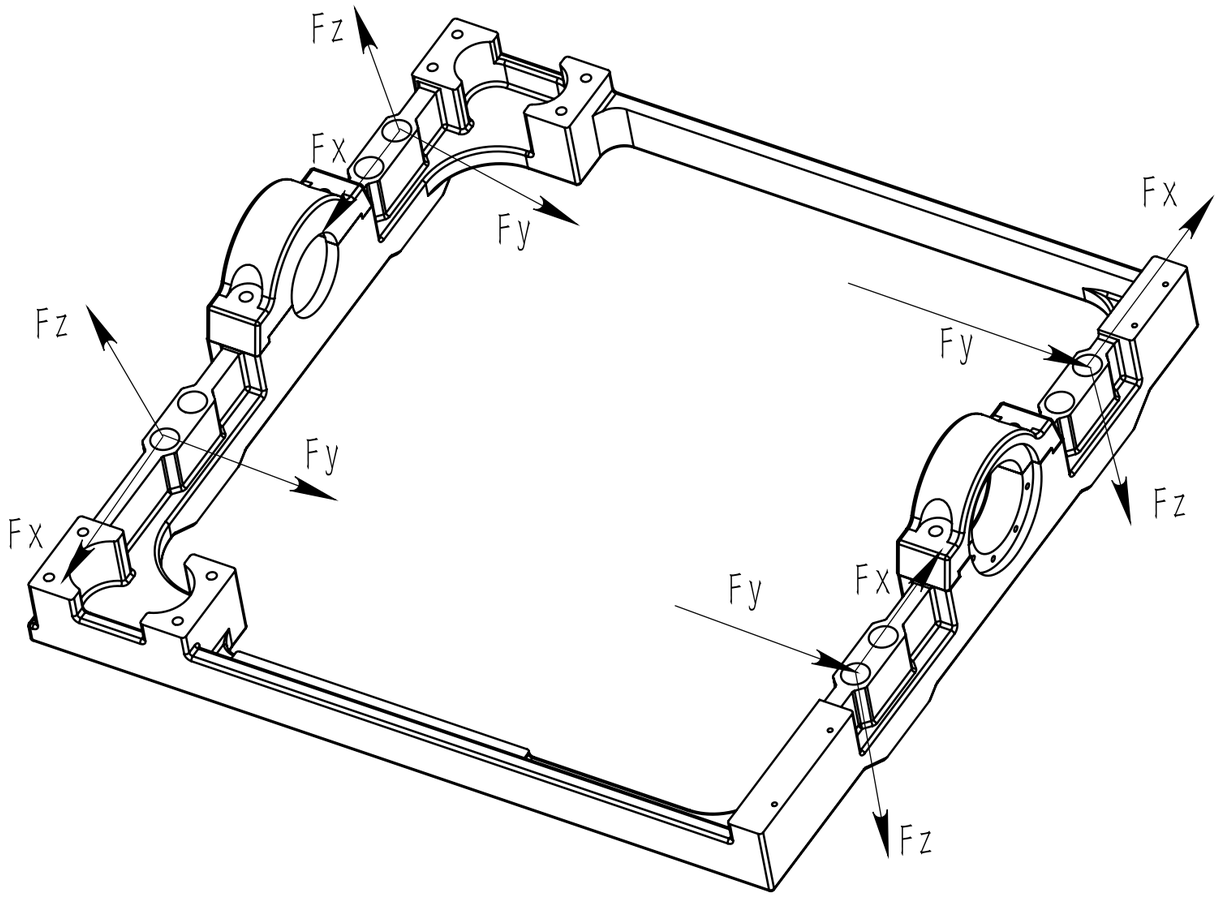
GYRO STABILIZER DIMENSION

JW-5.00.02

STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

TOTAL PAGES | PAGE

SHANGHAI JIWU TECH



NOTES

1. THE INFLUENCE OF THE LOAD TRANSMITTED BY GYRO STABILIZER ON SHIP STRUCTURE SHOULD BE CONSIDERED WHEN DESIGNING MOUNTING BASE.
   THE LEFT FIGURE SHOWS THE FORCE CONDITION OF THE JOINT BOLTS.
   VERTICAL FORCE (Fz): 15kN
   LONGITUDINAL FORCE (Fx): 7.5kN
   LATERAL FORCE (Fy): 0.8kN
2. 3 IS RECOMMENDED FOR THE SAFETY FACTOR OF THE MOUNTING BASE INTENSITY DESIGN.
3. MOUNTING BASE INSTALLATION PARTS LIST:

NO.	NAME	MATERIAL	TOTAL
1	PLATE	POM	4
2	BOLT M20 GB32.1	12.9	8
3	FLAT WASHER 20 GB97.1	200HV	8
4	SPRING WASHER 20 GB93	65Mn	8

4. REMOVABLE THREAD GLUE (EG. LOCTITE 243) SHOULD BE USED WHEN INSTALLING BOLTS WITH TIGHTENING TORQUE OF 150NM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
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CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2019/10/11	

GYRO FOUNDATION
LOADS DETAIL

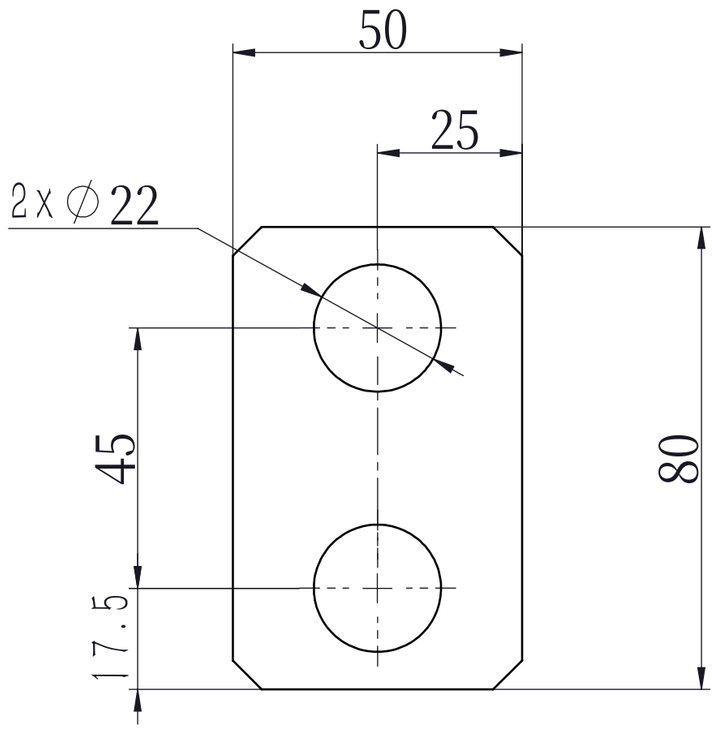
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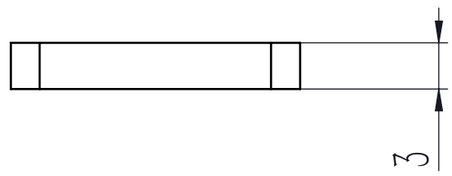
STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

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SHANGHAI JIWU TECH

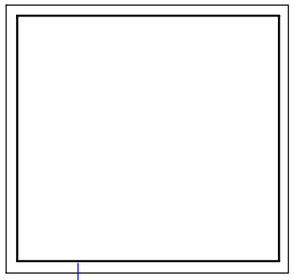
JW-5.00.04





					FOUNDATION PLATE	JW-5.00.04
MARKER	PLACES	FILE No.	SIGN	DATE		STAGED MARKING / WEIGHT(Kg) 0.04 / SCALE 1:1.5
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CHECKED	LUOLIN					TOTAL PAGES / PAGE
CARFT		APPROVE	CHENSHAONAN		POM	SHANGHAI JIWU TECH
STANDARD		DATE	2018/11/12			

TOUCH SCREEN 128x102x32mm



(4x0.5mm^2)
CABLE

4 CORE QUICK CONNECTOR

TRVVSP4x0.5mm^2

USER SUPPLIED CABLE

2 CORE QUICK CONNECTOR
(220V-50Hz)

30cm (2x2.5mm^2)
CABLE

4 CORE QUICK CONNECTOR
(CONNECT WITH TOUCH SCREEN)

30cm (4x0.5mm^2)
CABLE

30cm (2x0.5mm^2)

SEA WATER PUMP
CONTROL SIGNAL
2 CORE QUICK
CONNECTOR

GYRO STABILIZER

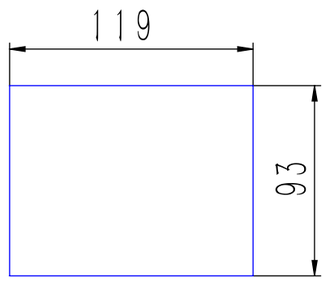
USER SUPPLIED CABLE

SEA WATER PUMP

USER SUPPLIED CABLE

EXTERNAL COOLING WATER
PUMP POWER SUPPLY

HOLE SIZE FOR ASSEMBLING
TOUCH SCREEN



PARTS LIST

1、AMP1.5-4 MALE QUICK CONNECTOR x1 PEICE
2、AMP1.5-4 FEMALE QUICK CONNECTOR x1 PEICE
3、SMH50-2 FEMALE QUICK CONNECTOR x1 PEICE
4、AMP4.5-2 MALE QUICK CONNECTOR x1 PEICE
5、TOUCH SCREEN x1 PIECE

MARKER	PLACES	FILE No.	SIGN	DATE
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CHECKED	YOUGUIBIAO			
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2020/9/2	

GYRO ELECTRIC WIRING GUIDE

JW-5.00.05

STAGED MARKING	WEIGHT(Kg)	SCALE
	0.584	1:3

TOTAL PAGES	PAGE

SHANGHAI JIWU TECH