JIWU TECH

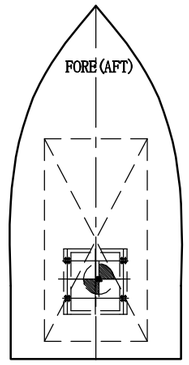
STABILIZED BY GYROSCOPIC POWER

Product information

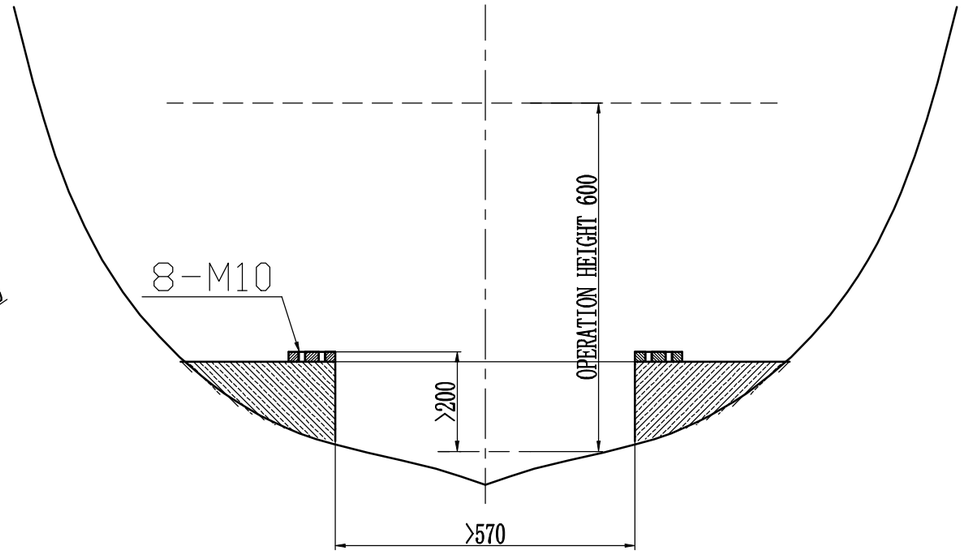
JW-3

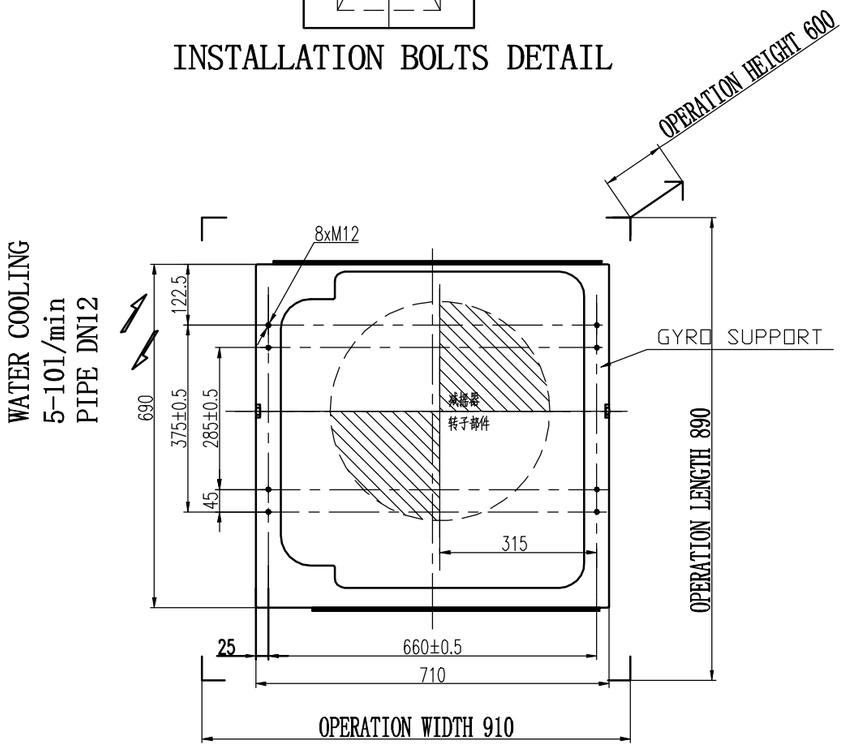
For Boats	About 40’ (up to 10 tons)
Weight	290 kg±5%
Dimensions	695*710*556 mm
Rated Speed	8000 RPM
Angular Momentum at Rated RPM	3000 N-M-S
Anti-Rolling Torque at Rated RPM	7500 N-M
Spool-up Time to Rated RPM	30 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min
Spool-up Power	1000 W
Operating Power	1000 W - 1500 W
AC Input	AC110V-220V，50/60HZ
Sea Water Supply to Heat Exchanger	10 LPM
Ambient Air Temprature	-20-60 ℃
Noise Output	68 - 72 dB

GYRO LOCATION ON BOAT

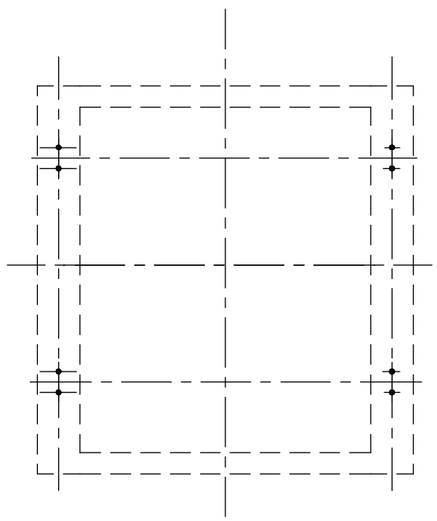


INSTALLATION BOLTS DETAIL





OPERATION SPACE >890X910X600mm



REQUIREMENTS

1. GYRO SUPPORT STRUCTURE MUST BE PARALLEL TO VESSEL WATERLINE.
2. THE MOUNTING BASE AND BOLTS SHOULD HAVE ENOUGH INTENSITY TO WITHSTAND 90NM OF TORQUE.
3. THE RELATIVE POSITION OF EACH BOLT HOLE CENTER IS 0.5MM.

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED				
CRAFT		APPROVE	CHENSHAOHAN	
STANDARD		DATE	2019/9	

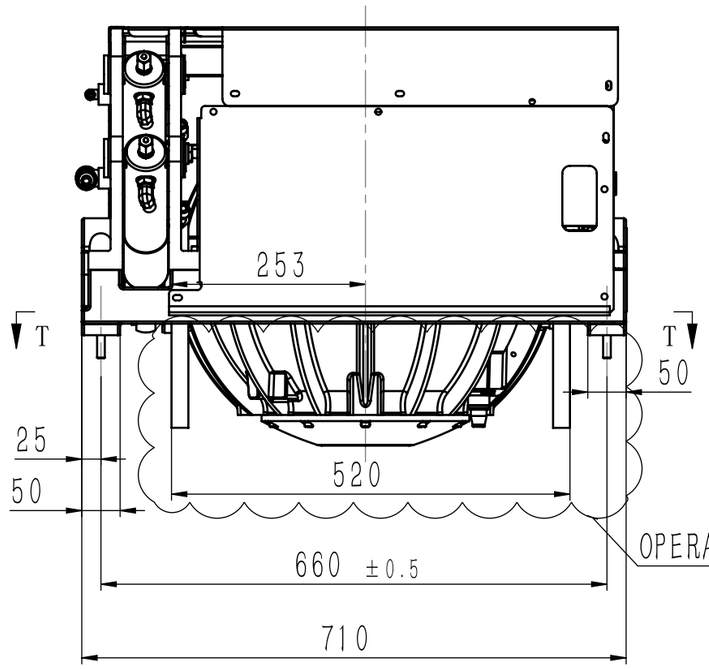
JW-3 GYRO INSTALLATION BOLT GUIDE

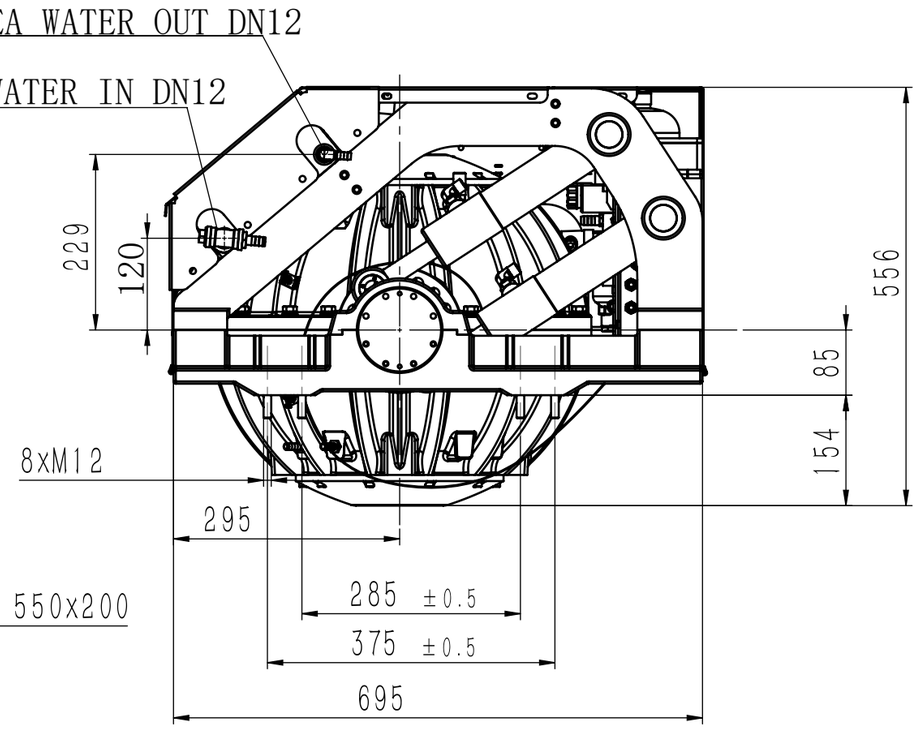
JW-1.00.03

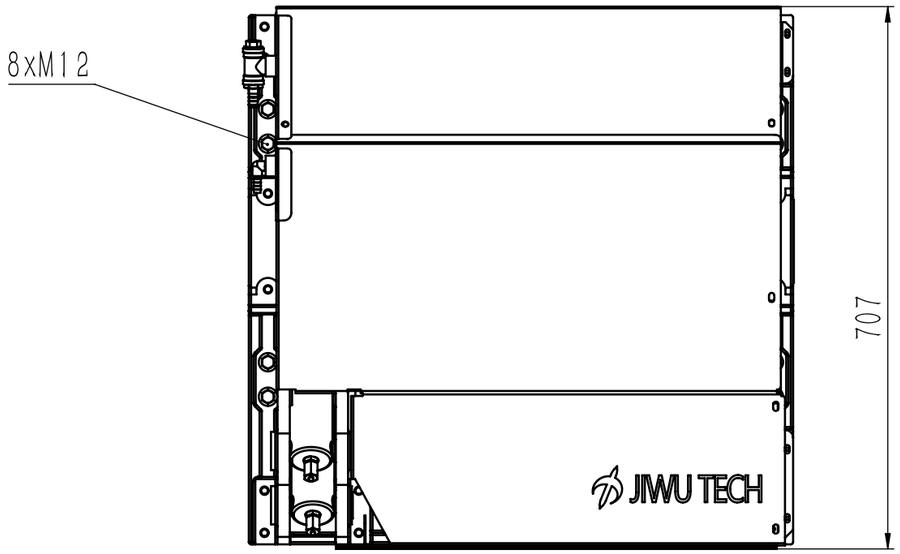
STAGED MARKING	WEIGHT(kg)	SCALE
	5.772	1:4

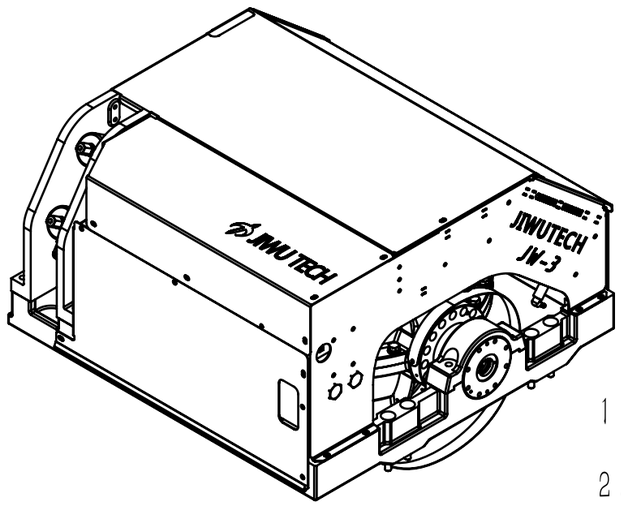
TOTAL PAGES | PAGE

SHANGHAI JIWU TECH









NOTES

1. MOTOR POWER IS 1.5 KILOWATT, VOLTAGE IS 220V, SINGLE PHASE.
2. SEA WATER COOLING REQUIREMENT IS10LPM.

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

GYRO INSTALLATION

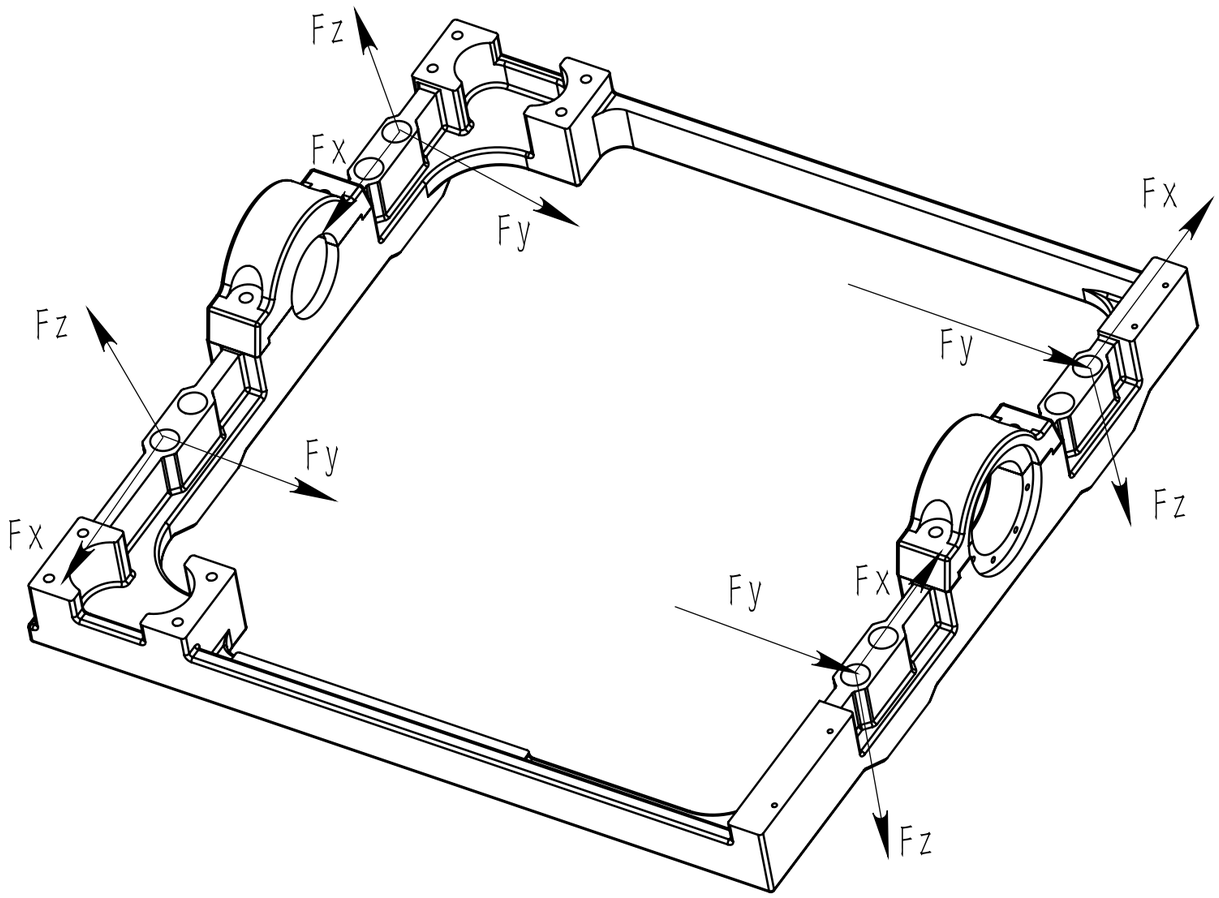
ASSEMBLY DRAWING

JW-3A.00.02

STAGED MARKING	WEIGHT(Kg)	SCALE
	284.68	1:8

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): 10kN
   LONGITUDINAL FORCE (Fx): 5kN
   LATERAL FORCE (Fy):0.5kN
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	POM PLATE	POM	4
2	BOLT M12 GB70.1	12.9	8
3	FLAT WASHER 12 GB97.1	200HV	8
4	SPRING WASHER 12 GB93	65Mn	8

4. REMOVABLE THREAD GLUE (EG. LOCTITE 243) SHOULD BE USED WHEN INSTALLING BOLTS WITH TIGHTENING TORQUE OF 90NM.

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

FOUNDATION LOAD DRAWING

ASSEMBLY DRAWING

JW-3A.00.03

STAGED MARKING	WEIGHT(Kg)	SCALE
	15.74	1:5

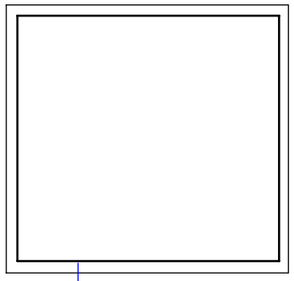
TOTAL PAGES | PAGE

SHANGHAI JIWU TECH

JW-3A.00.04

						JW-3A.00.04	
MARKER	PLACES	FILE No.	SIGN	DATE	POM PLATE	STAGED MARKING	WEIGHT(Kg) SCALE
DESIGN	CUIYUHUI						0.03 1:1.5
CHECKED	LUOLIN					TOTAL PAGES	PAGE
CARFT		APPROVE	CHENSHAONAN		POM	SHANGHAI JIWU TECH	
STANDARD		DATE	2019/9/26				

TOUCH SCREEN 128x102x32mm



(4x0.5mm^2)
CABLE

4 CORE QUICK CONNECTOR

4x0.5mm^2

USER SUPPLIED CABLE

2 CORE QUICK CONNECTOR
(24VDC)

30cm (2x1.5mm^2)

2 CORE QUICK CONNECTOR
(220V-50Hz)

30cm (2x1.5mm^2)
CABLE

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

4 CORE QUICK CONNECTOR
(CONNECT WITH TOUCH SCREEN)

GYRO STABILIZER

30cm (2x0.5mm^2)

SEA WATER PUMP
CONTROL SIGNAL
2 CORE QUICK
CONNECTOR

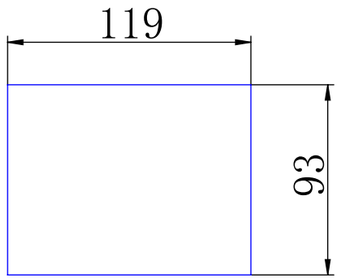
USER SUPPLIED CABLE

SEA WATER PUMP

USER SUPPLIED CABLE

POWER OF WATER PUMP

HOLE SIZE FOR ASSEMBLING
TOUCH SCREEN



PARTS LIST

FE1、AMP1.5-4 MALE QUICK CONNECTOR x1 PEICE
2、AMP1.5-4 FEMALE QUICK CONNECTOR x1 PEICE
3、AMP7.8-2 FEMALE QUICK CONNECTOR x1 PEICE
4、AMP4.5-2 FEMALE QUICK CONNTOR x1 PEICE
5、AMP1.5-2 MALE QUICK CONNTOR x1 PEICE
6、TOUCH SCREEN x1 PIECE

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

GYRO ELECTRIC WIRING GUIDE

JW-3A.00.05

STAGED MARKING	WEIGHT(Kg)	SCALE
	0.584	1:3

TOTAL PAGES | PAGE

SHANGHAI JIWU TECH