JIWU TECH

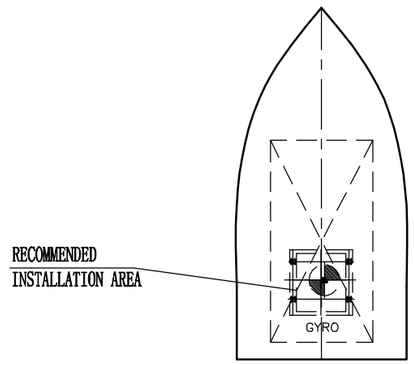
STABILIZED BY GYROSCOPIC POWER

Product information

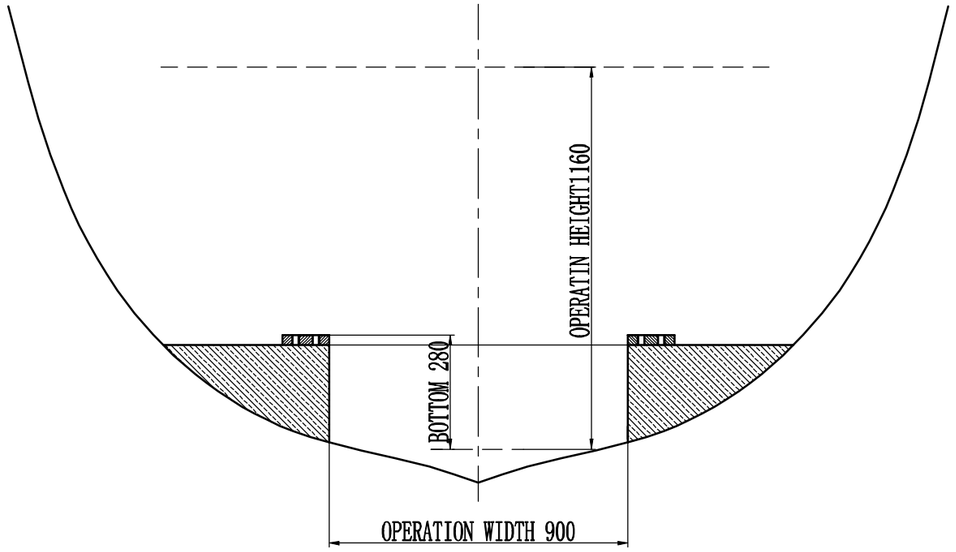
JW-20

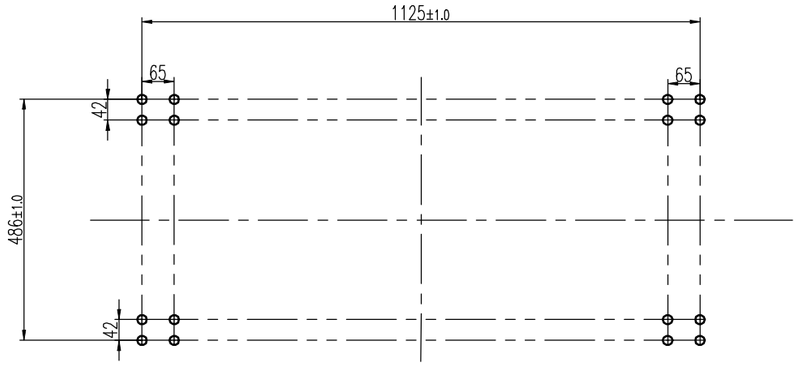
For Boats	About 80’ (up to 80 tons)
Weight	1200 kg±5%
Dimensions	1140*1160*960 mm
Rated Speed	5000 RPM
Angular Momentum at Rated RPM	20000 N-M-S
Anti-Rolling Torque at Rated RPM	40000 N-M
Spool-up Time to Rated RPM	55 min
Spool-up Time to Stabilization (70% Rated RPM)	30 min
Spool-up Power	3500 W
Operating Power	3000 W - 4500 W
AC Input	AC380V, Three Phase, 50/60HZ
Sea Water Supply to Heat Exchanger	30 LPM
Ambient Air Temprature	-20-60 ℃
Noise Output	68 - 72 dB

GYRO LOCATION ON BOAT



OPERATION SPACE **1370X1340X1160mm**



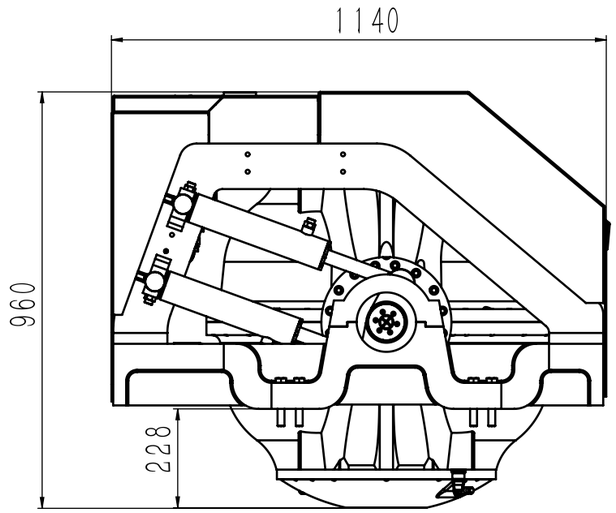


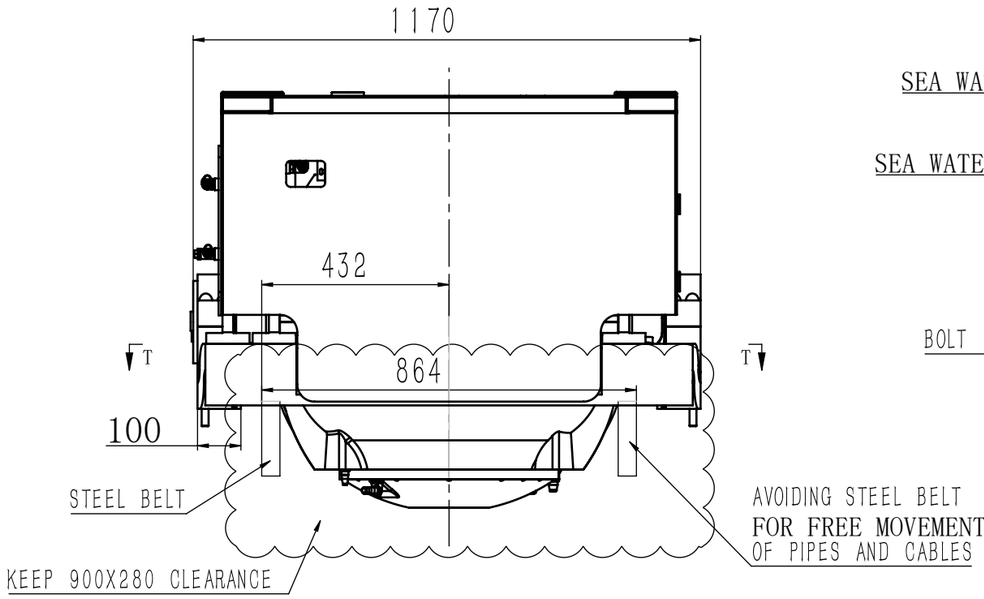
HOLES FOR BOLTS

NOTES

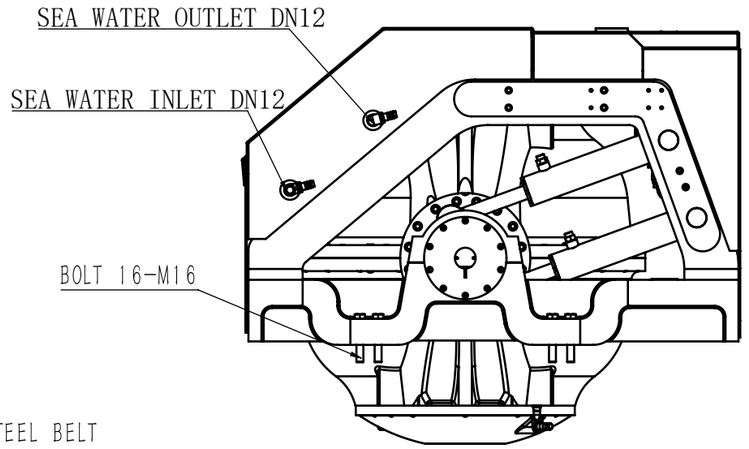
1. GYRO SUPPORT STRUCTURE MUST BE PARALLEL TO VESSEL WATERLINE.
2. THE MOUNTING BASE AND BOLTS SHOULD HAVE ENOUGH INTENSITY TO WITHSTAND 150NM OF TORQUE.
3. THE RELATIVE POSITION OF EACH BOLT HOLE CENTER IS 0.5MM.

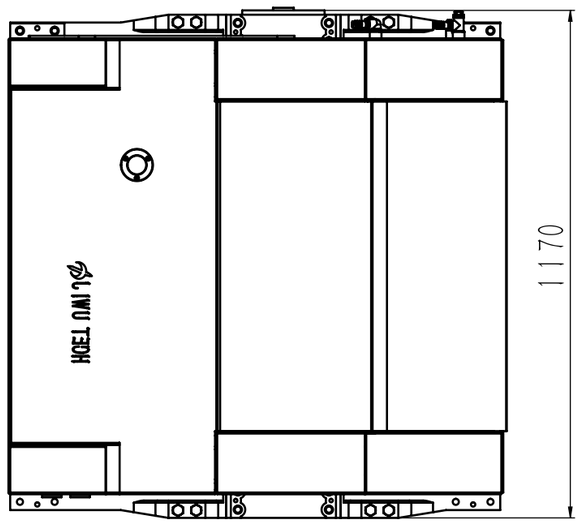
MARKER				INSTALLATION BOLT DETAIL		JW-20.00.01
DESIGN	LUOLIN			STAGED MARKING	WEIGHT	SCALE
CHECK	CUIYUHUI					JIWU TECH
CRAFT		DATE	Aug.2019			

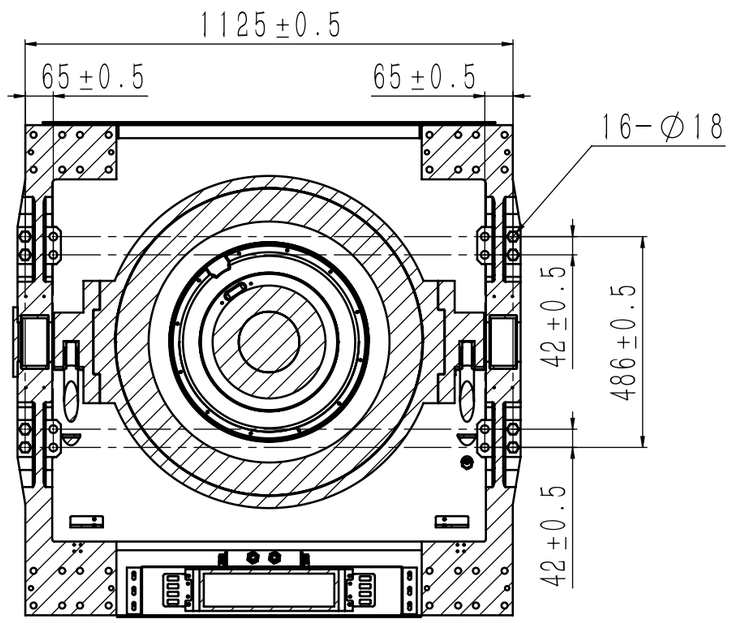


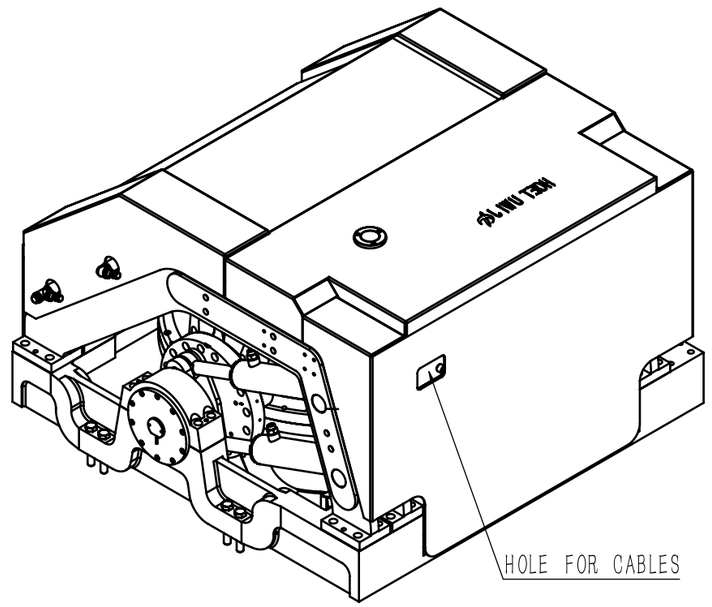


T-T





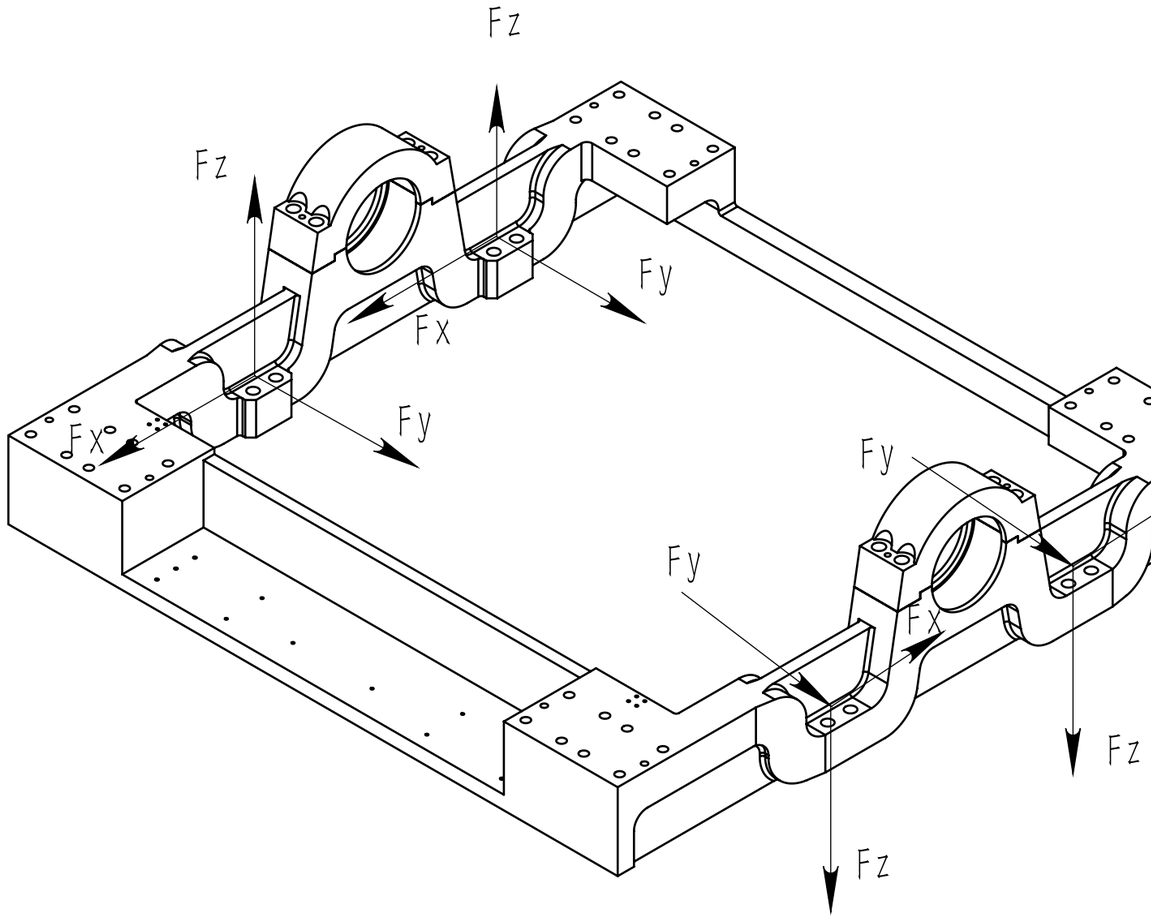




NOTES

1. MOTOR POWER IS 3.5kW, THREE PHASE , VOLTAGE IS 380V。
2. THE SEA PUMP IS SUPPLIED BY USER AND ITS FLOW IS ABOUT 15-30L/min.

MARKER	PLACES	FILE No.	SIGN	DATE	GRYO ENVELOPE DIMENSION DRAWING	JW-20.00.02	
DESIGN	LUOLIN					STAGED MARKING	WEIGHT (kg)
CHECKED	CUIYUHUI						SCALE 1:10
CRAFT		APPROVE	CHENSHAONAN			TOTAL PAGES	PAGE
STANDARD		DATE	Aug. 2019			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.
   (FOR EACH MOUNTING POINT)
   VERTICAL FORCE (Fz): 20kN
   LONGITUDINAL FORCE (Fx): 10kN
   LATERAL FORCE (Fy):1.3kN
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 M16 GB70.1	12.9	16
3	FLAT WASHER 12 GB97.1	200HV	16

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	CUIYUHUI			
CHECKED	LUOLIN			
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	Aug. 2019	

GYRO FOUNDATION LOADS DETAIL

JW-20.00.03

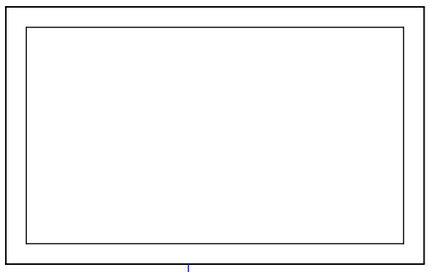
STAGED MARKING	WEIGHT(Kg)	SCALE
		1:8

TOTAL PAGES | PAGE

SHANGHAI JIWU TECH

JW-20.00.04

MARKER	PLACES	FILE No.	SIGN	DATE	FOUNDATION PLATE	JW-20.00.04	
DESIGN	LUOLIN					STAGED MARKING	WEIGHT(Kg) SCALE
CHECKED	CUIYUHUI						0.03 1:1.5
CARFT		APPROVE	CHENSHAONAN		POM	TOTAL PAGES	PAGE
STANDARD		DATE	Aug. 2019			SHANGHAI JIWU TECH	



TOUCH SCREEN 128x102x32mm

(4x0.5mm^2)
CABLE

4 CORE QUICK CONNECTOR

4x0.5mm^2

USER SUPPLIED CABLE

2 CORE QUICK CONNECTOR
(24V)

30cm (2x1.5mm^2)

3 CORE QUICK CONNECTOR
(380V-50Hz)

30cm (3x3.5mm^2)
CABLE

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

4 CORE QUICK CONNECTOR
(CONNECT WITH TOUCH SCREEN)

30cm (2x0.5mm^2)

2 CORE QUICK CONNECTOR

USER SUPPLIED CABLE

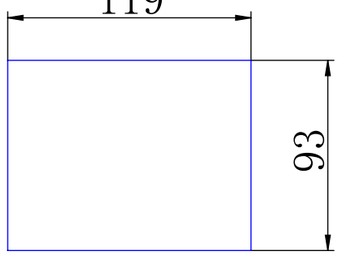
GYRO STABILIZER

SEA PUMP

USER SUPPLIED CABLE

EXTERNAL
COOLING WATER
PUMP POWER
SUPPLY

HOLE SIZE FOR INSTALLING
TOUCH SCREEN



PARTS LIST

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

MARKER	PLACES	FILE No.	SIGN	DATE
DESIGN	LUOLIN			
CHECKED	CUIYUHUI			
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	Aug. 2019	

GYRO ELCTRICAL
WIRING DIAGRAM

JW-20.00.05

STAGED MARKING	WEIGHT(Kg)	SCALE
		1:3

TOTAL PAGES | PAGE

SHANGHAI JIWU TECH