JIWU TECH

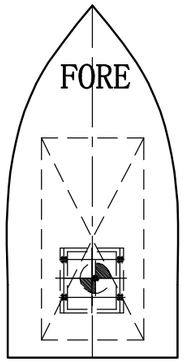
STABILIZED BY GYROSCOPIC POWER

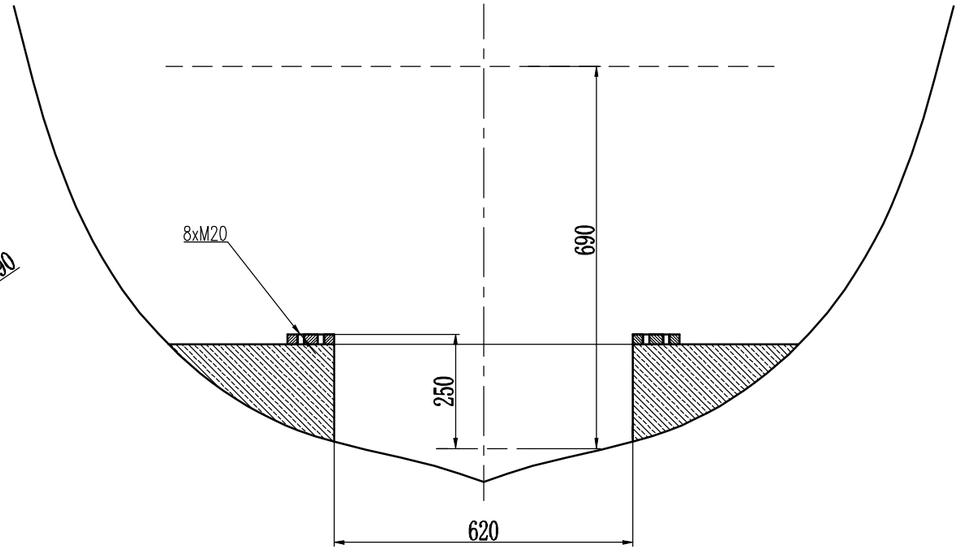
Product information

JW-7

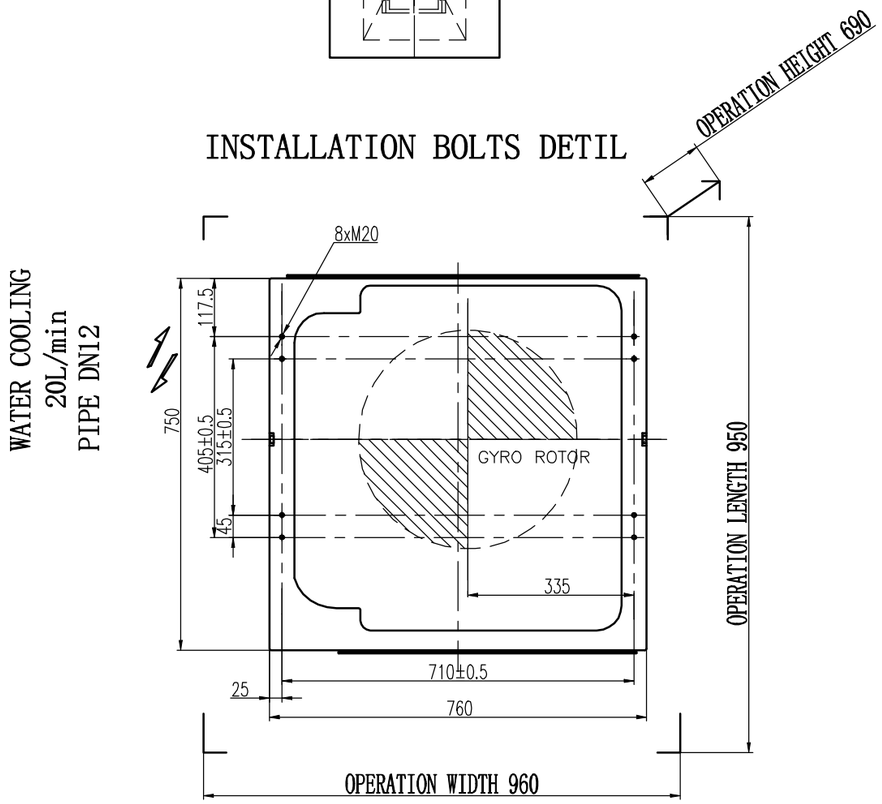
For Boats	About 55’ (up to 25 tons)
Weight	440 kg±5%
Dimensions	760*750*610 mm
Rated Speed	9000 RPM
Angular Momentum at Rated RPM	7000 N-M-S
Anti-Rolling Torque at Rated RPM	17500 N-M
Spool-up Time to Rated RPM	50 min
Spool-up Time to Stabilization (70% Rated RPM)	20 min
Spool-up Power	2000 W
Operating Power	1500 W - 2500 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

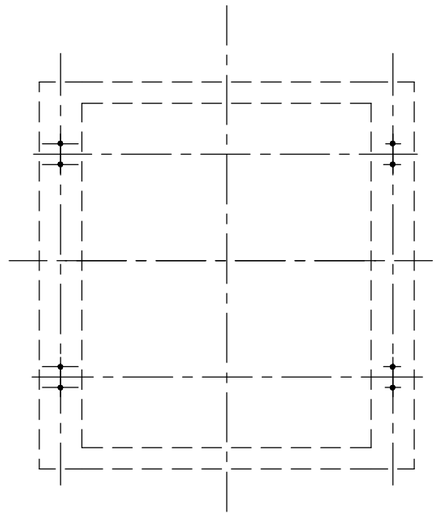




INSTALLATION BOLTS DETIL



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. THE RELATIVE POSITION OF EACH BOLT HOLE CENTER IS 0.5MM.

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

GYRO INSTALLATION BOLT GUIDE

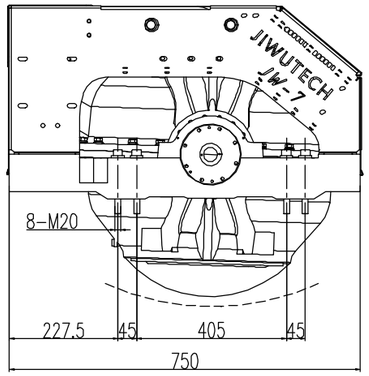
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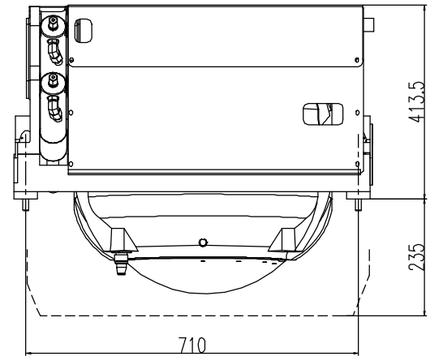
STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

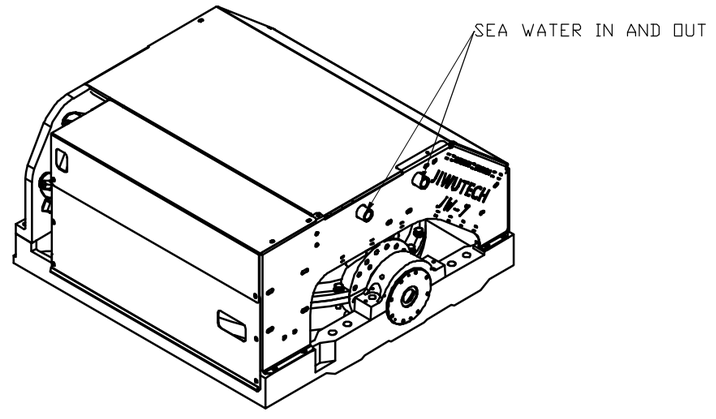
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NOTES

1.MOTOR POWER IS 2 KILOWATT,VOLTAGE IS 110V/220V, SINGLE PHASE.
2.SEA WATER COOLING REQUIREMENT IS 20 LPM.

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DESIGN	LUOLIN			
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CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2018/11/12	

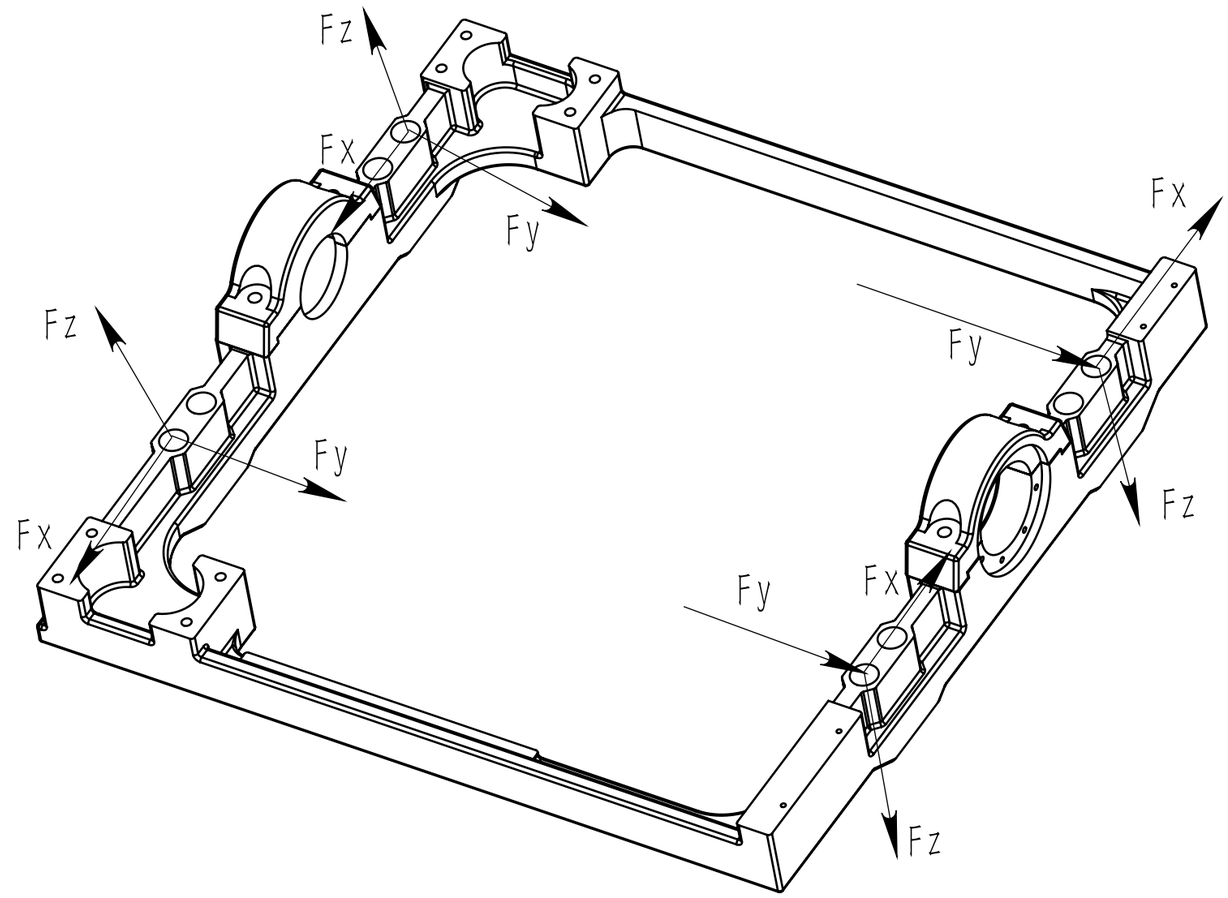
GYRO PROFILE DIMENSION DRAWING

JW-7.00.02

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): 22kN
   LONGITUDINAL FORCE (Fx): 11kN
   LATERAL FORCE (Fy):1.1kN
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			
CHECKED				
CRAFT		APPROVE	CHENSHAONAN	
STANDARD		DATE	2019/10/12	

FOUNDATION LOAD DRAWING

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STAGED MARKING	WEIGHT(Kg)	SCALE
		1:5

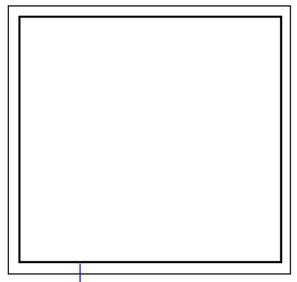
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SHANGHAI JIWU TECH

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						JW-7.00.04	
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DESIGN	CUIYUHUI						
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

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)

30cm (2x0.5mm^2)

GYRO STABILIZER

SEA WATER PUMP
CONTROL SIGNAL
2 CORE QUICK
CONNECTOR

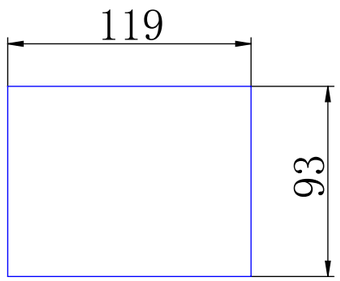
USER SUPPLIED CABLE

SEA WATER PUMP

USER SUPPLIED CABLE

EXTERNAL COOLING WATER
PUMP POWER SUPPLY

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 MALE	QUICK CONNECTOR	x1 PEICE
5、	TOUCH SCREEN		x1 PIECE

MARKER	PLACES	FILE No.	SIGN	DATE	
DESIGN	YOUGUIBIAO				
CHECKED	LUOLIN				
CRAFT		APPROVE	CHENSHAONAN		
STANDARD		DATE	2019/10/12		

GYRO ELECTRIC WIRING GUIDE

JW-7.00.05

STAGED MARKING	WEIGHT(Kg)	SCALE
	0.584	1:3

TOTAL PAGES | PAGE

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