

Started from 2012, Jiwu Tech has been developing the gyro stabilizer systems for over 9 years. We dedicate to reducing boat roll as well as improving boat stability and safety. Targeting boats from under 5 tons to 500 tons, JW gyro stabilizers have been successfully installed and used on various working boats, yachts, fishing boats, military crafts, etc.

Originated from the government nominated supplier, we are now bringing this innovative and cutting-edge product to everyone. With an incredible anti-rolling effect of up to 95%, we strive to make every trip the best and most comfortable experience ever.

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JIWU TECH GYRO STABILIZER

Leading anti-rolling solution provider

Eliminate **95%** of Boat Roll

A flywheel within the JW gyro stabilizer spins at extremely high speeds.

With the help of the vacuum containment outside of the flywheel, it spins at speeds of up to 9,000 RPM.

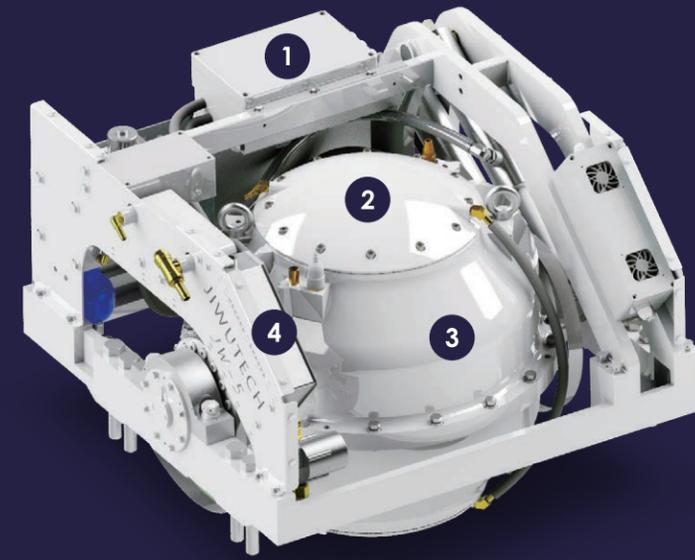
When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and starboard that significantly reduces boat roll.



flywheel of JW-3 gyro stabilizer

Why us ?

Originated from the government nominated supplier, we are now bringing this innovative and cutting-edge product to everyone.



- 1** Active Control
The self-adaptive control strategy allows the gyro stabilizer to work effectively under any sea condition.
- 2** Power Saving
The ceramic rolling element allows the gyro to spin faster, consuming less power.
- 3** Sealed Design
The core components are completely isolated from the marine environment.
- 4** Duo-Cooling System
An effective duo-cooling system enables the gyro stabilizer to work steadily.

-  Light weight
Only weighs 2%~3% of the boat
-  Extensive product line
under 500 tons
-  Consumption
Save power effectively
-  No accessory damping
Has no effect on speed
-  Flexible installation
Can be installed at any place in the boat
-  High performance under any speed
Especially when the boat is at anchor

Product Information

JW-1



JW-3



JW-5



JW-7



JW-10



	JW-1	JW-3	JW-5	JW-7	JW-10
For Boats	up to 30' (up to 5 tons)	25' ~ 50' 5 ~ 10 tons	40' ~ 55' 10 ~ 22 tons	50' ~ 65' 15 ~ 27 tons	60' ~ 80' 25 ~ 35 tons
Weight	120 kg±5% (265 lbs±5%)	290 kg±5% (639 lbs±5%)	360 kg±5% (793 lbs±5%)	440 kg±5% (970 lbs±5%)	640 kg±5% (1410 lbs±5%)
Dimensions	450×450×470 mm (17.7×17.7×18.2 inches)	695×710×556 mm (27.4×28.0×21.9 inches)	760×750×610 mm (29.9×29.5×24.0 inches)	760×750×610 mm (29.9×29.5×24.0 inches)	936×936×692 mm (36.9×36.9×27.2 inches)
Rated Speed	8000 RPM	8000 RPM	9000 RPM	9000 RPM	8000 RPM
Angular Momentum at Rated RPM	1000 N-M-S	3000 N-M-S	5000 N-M-S	7000 N-M-S	10000 N-M-S
Anti-Rolling Torque at Rated RPM	3150 N-M	9500 N-M	15500 N-M	22000 N-M	31500 N-M
Spool-up Time to Rated RPM	30 min	30 min	40 min	40 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min	15 min	20 min	20 min	30 min
Spool-up Power	800 W	1500 W	2000 W	2500 W	3000 W
Operating Power	600 W - 800 W	1000 W - 1500 W	1500 W - 2000 W	1500 W - 2500 W	2000 W - 3000 W
AC Input	DC12V/AC110V-220V, 50/60HZ	AC110V-220V, 50/60HZ	AC220V, 50/60HZ	AC220V, 50/60HZ	AC220V, 50/60HZ
Sea Water Supply to Heat Exchanger	5 LPM/Air Cooling (Optional)	10LPM	20LPM	20LPM	20LPM
Ambient Air Temperature	-20 ~ 60 °C				
Noise Output	70 ~ 72 dB	68 ~ 72 dB			

Product Information

JW-15



JW-20



JW-30



JW-50



JW-80



	JW-15	JW-20	JW-30	JW-50	JW-80
For Boats	65' ~ 80' 30 ~ 60 tons	70' ~ 90' 40 ~ 80 tons	80' ~ 90' 50 ~ 90 tons	80 ~ 160 tons	100 ~ 200 tons
Weight	950 kg±5% (2094 lbs±5%)	1200 kg±5% (2645 lbs±5%)	1500 kg±5% (3306 lbs±5%)	2548 kg±5% (5617 lbs±5%)	2848 kg±5% (6278 lbs±5%)
Dimensions	1140×1160×960 mm (44.9×45.7×37.8 inches)	1140×1160×960 mm (44.9×45.7×37.8 inches)	1140×1160×960 mm (44.9×45.7×37.8 inches)	1600×1560×1600 mm (62.9×61.4×62.9 inches)	1600×1560×1600 mm (62.9×61.4×62.9 inches)
Rated Speed	6000 RPM	5000 RPM	5500 RPM	4000 RPM	4000 RPM
Angular Momentum at Rated RPM	15000 N-M-S	20000 N-M-S	30000 N-M-S	50000 N-M-S	80000 N-M-S
Anti-Rolling Torque at Rated RPM	47250 N-M	63000 N-M	90000 N-M	155K N-M	248K N-M
Spool-up Time to Rated RPM	40 min	40 min	55 min	60 min	60 min
Spool-up Time to Stabilization (70% Rated RPM)	20 min	20 min	30 min	30 min	30 min
Spool-up Power	4000 W	4500 W	7000 W	18 KW	18 KW
Operating Power	3000 W - 4000 W	3000 W - 4500 W	4000 W - 7000 W	10 KW ~ 18KW	10 KW ~ 18 KW
AC Input	AC220V,Single Phase,50/60HZ AC380V,Three Phase,50/60HZ	AC220V,Single Phase,50/60HZ AC380V,Three Phase,50/60HZ	AC380V,Three Phase, 50/60HZ	AC380V,Three Phase, 50/60HZ	AC380V,Three Phase, 50/60HZ
Sea Water Supply to Heat Exchanger	30 LPM	30 LPM	40 ~ 50 LPM	50 LPM	50 LPM
Ambient Air Temperature	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C
Noise Output	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB	70 ~ 75 dB	70 ~ 75 dB

Product Information



JW-100

JW-150

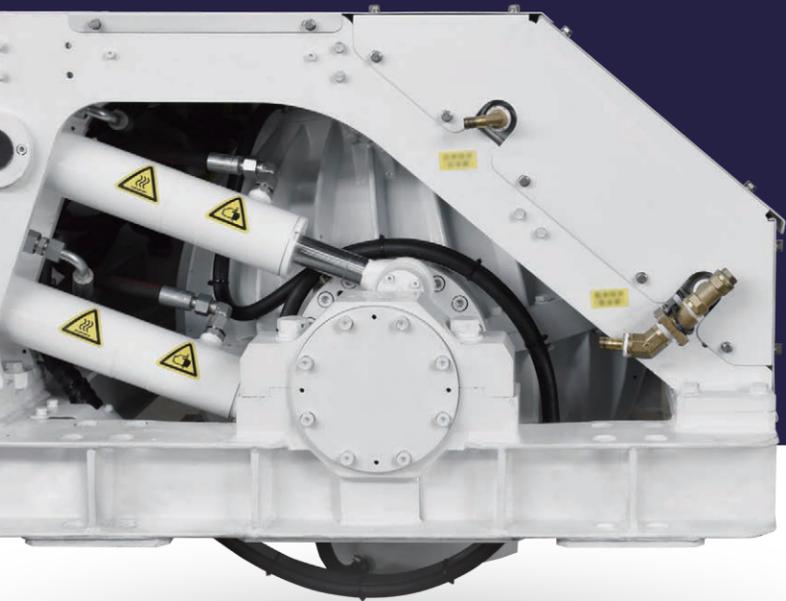
	JW-100	JW-150
For Boats	200 ~ 300 tons	250 ~ 500 tons
Weight	4500 kg±5% (9920 lbs±5%)	5600 kg±5% (12345 lbs±5%)
Dimensions	1920×1920×1885 mm (75.6×75.6×74.2 inches)	1920×1920×1885 mm (75.6×75.6×74.2 inches)
Rated Speed	2000 RPM	2000 RPM
Angular Momentum at Rated RPM	100 KN-M-S	150 KN-M-S
Anti-Rolling Torque at Rated RPM	200K N-M	300K N-M
Spool-up Time to Rated RPM	40 min	40 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min	20 min
Spool-up Power	20 KW	30 KW
Operating Power	18 KW ~ 20 KW	20 KW ~ 30 KW
AC Input	AC380V, Three Phase, 50/60HZ	AC380V, Three Phase, 50/60HZ
Sea Water Supply to Heat Exchanger	80 LPM	100 LPM
Ambient Air Temperature	-20 ~ 60 °C	-20 ~ 60 °C
Noise Output	70 ~ 75 dB	70 ~ 75 dB



JW-100

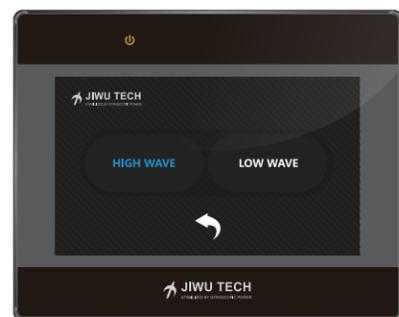
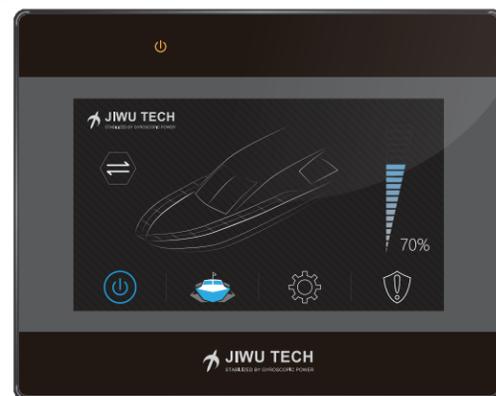


JW-150



Control Panel

The control panel is conveniently installed on the driving console. The touch screen allows the user to start, stop or lock the gyro stabilizer as well as check the device condition and angle of roll in real time.



The free switch of **High Wave Mode** and **Low Wave Mode** assures the most comfortable ride under any sea conditions.

Installation Case



Fishing Boat (China)

Length 36ft
 Displacement 3.5t
 Configuration JW-1
 Anti-rolling effect on sea state III 85.4%



Fishing Boat (Japan)

Length 52ft
 Displacement 8.0t
 Configuration JW-3
 Anti-rolling effect on sea state III 82.9%



Work Boat (China)

Length 58ft
 Displacement 19.7t
 Configuration JW-5
 Anti-rolling effect on sea state III 90.71%



Yacht (China)

Length 69ft
 Displacement 23.4t
 Configuration JW-7
 Anti-rolling effect on sea state III 72.7%



Pilot Boat (China)

Length 62ft
 Displacement 21.6t
 Configuration JW-10
 Anti-rolling effect on sea state III 86.6%



Patrol Boat (China)

Length 85ft
 Displacement 31.8t
 Configuration JW-7×2
 Anti-rolling effect on sea state III 95.0%