Started from 2012, Jiwu Tech has been developing the gyro stabilizer systems for over 11 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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Search: JWgyrostabilizer
Search: jiwu tech



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JIWU TECHNOLOGY



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.

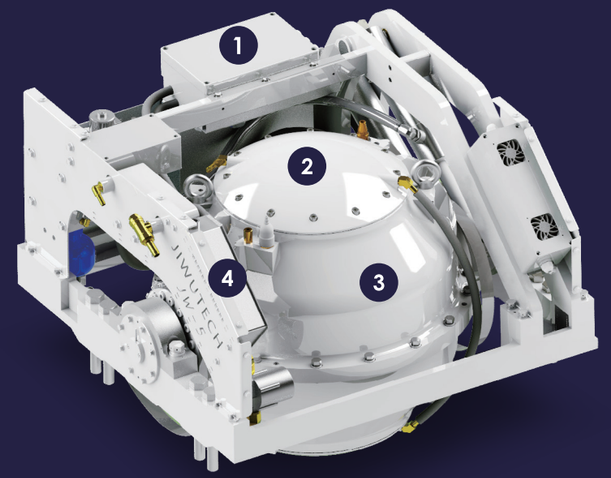
When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and starboard that significantly reduces boat roll.



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.

3 Sealed Design
The core components are completely isolated from the marine environment.

2 Power Saving
The ceramic rolling element allows the gyro to spin faster, consuming less power.

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 5000 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

JW-1
JW-1.5



JW-3



JW-5



JW-7



JW-10



Product Information

	JW-1	JW-1.5	JW-3	JW-5	JW-7	JW-10
For Boats	up to 30' (up to 5 tons)	up to 30' (up to 7 tons)	25'~ 30' (5~10 tons)	40'~ 55' (10~20 tons)	50'~ 65' (15~27 tons)	60'~ 80' (25~35 tons)
Weight	120 kg±5%	170 kg±5%	280kg±5%	360kg±5%	540kg±5%	740 kg±5%
Dimensions	450×450×470 mm (17.7×17.7×18.2 in)	450×450×470 mm (17.7×17.7×18.2 in)	760×750×610 mm (29.9×29.5×24.0 in)	760×750×610 mm (29.9×29.5×24.0 in)	800×750×800 mm (31.5×29.5×31.5 in)	800×750×800 mm (31.5×29.5×31.5 in)
Rated Speed	8000 RPM	8000 RPM	8000 RPM	9000 RPM	7000 RPM	7000 RPM
Angular Momentum at Rated RPM	1000 N-M-S	1500 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	4500 N-M	9500 N-M	15500 N-M	22000 N-M	31500 N-M
Spool-up Time to Rated RPM	30 min	30 min	30 min	40 min	40 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min	15 min	15 min	20 min	20 min	30 min
Spool-up Power	800 W	1000 W	1500 W	2000 W	2500 W	3000 W
Operating Power	600 W ~ 800 W	600 W ~ 1000 W	1000 W ~ 1500 W	1500 W ~ 2000 W	1500 W ~ 2500 W	2000 W ~ 3000 W
AC Input	DC12V/AC110V-220V，50/60HZ	DC12V/AC110V-220V，50/60HZ	AC110V-220V，50/60HZ	AC220V，50/60HZ	AC220V，50/60HZ	AC220V，50/60HZ
Sea Water Supply to Heat Exchanger	3 ~ 7 LPM	3 ~ 7 LPM	5 ~ 7 LPM	10 ~ 20 LPM	10 ~ 20 LPM	10 ~ 20 LPM
Ambient Air Temprature	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃
Noise Output	70 ~ 72 dB	70 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB

JW-15



JW-20



JW-30



JW-50



JW-80



Product Information

	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	880kg±5%	1200kg±5%	1500kg±5%	2548kg±5%	2848kg±5%
Dimensions	800×750×800 mm (31.5×29.5×31.5 in)	1140×1160×960 mm (44.9×45.7×37.8 in)	1140×1160×960 mm (44.9×45.7×37.8 in)	1636×1524×1580 mm (64.4×60×62.6 in)	1636×1524×1580 mm (64.4×60×62.6 in)
Rated Speed	7000 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	50 min	50 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	5500 W	12 KW	12 KW
Operating Power	3000 W ~ 4000 W	3000 W ~ 4500 W	3000 W ~ 5500 W	8 KW ~ 12KW	8 KW ~ 12 KW
AC Input	AC220V,Single Phase,50/60HZ AC380V,Three Phase,50/60HZ	AC220V,Single Phase,50/60HZ AC380V,Three Phase,50/60HZ	AC380V	AC380V	AC380V
Sea Water Supply to Heat Exchanger	15 ~ 20 LPM	15 ~ 20LPM	15 ~ 20 LPM	30 ~ 50 LPM	30 ~ 50 LPM
Ambient Air Temprature	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃
Noise Output	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB	68 ~ 72 dB





JW-100 / JW-150 / JW-200

Product Information

	JW-100	JW-150	JW-200
For Boats	200~300 tons	250~ 500 tons	250~ 500 tons
Weight	4500kg±5%	5600kg±5%	6500kg±5%
Dimensions	1920×1920×1933 mm (75.6×75.6×76.1 in)	1920×1920×1933 mm (75.6×75.6×76.1 in)	1920×1920×1933 mm (75.6×75.6×76.1 in)
Rated Speed	2000 RPM	2000 RPM	2000 RPM
Angular Momentum at Rated RPM	100 KN-M-S	150 KN-M-S	200 KN-M-S
Anti-Rolling Torque at Rated RPM	200 KN-M	300 KN-M	400 KN-M
Spool-up Time to Rated RPM	40 min	40 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	15 min	20 min	30 min
Spool-up Power	20 KW	30 KW	30 KW
Operating Power	18 KW ~ 20 KW	20 KW ~ 30 KW	20 KW ~ 30 KW
AC Input	AC380V	AC380V	AC380V
Sea Water Supply to Heat Exchanger	40 ~ 50 LPM	40 ~ 50 LPM	40 ~ 50 LPM
Ambient Air Temprature	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃
Noise Output	70 ~ 75 dB	70 ~ 75 dB	68 ~ 72 dB





JW-300



JW-250



JW-500

Product Information

	JW-250	JW-300	JW-500
For Boats	400~ 600 tons	400~ 700 tons	600~ 1000 tons
Weight	7700kg±5%	11000kg±5%	16500kg±5%
Dimensions	1620×4100×1600 mm (63×161×63 in)	3180×2850×1600 mm (125×112×63 in)	4750×2850×1600 mm (187×112×63 in)
Rated Speed	4000 RPM	4000 RPM	4000 RPM
Angular Momentum at Rated RPM	250 KN-M-S	300 KN-M-S	500 KN-M-S
Anti-Rolling Torque at Rated RPM	500 KN-M	600 KN-M	1000 KN-M
Spool-up Time to Rated RPM	50 min	50 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	30 min	30 min	30 min
Spool-up Power	30 KW	40 KW	60 KW
Operating Power	20 KW ~ 30 KW	30 KW ~ 40 KW	40 KW ~ 60 KW
AC Input	AC380V	AC380V	AC380V
Sea Water Supply to Heat Exchanger	100 ~ 150 LPM	150 ~ 200 LPM	200 ~ 300 LPM
Ambient Air Temprature	-20 ~ 60 ℃	-20 ~ 60 ℃	-20 ~ 60 ℃
Noise Output	68 ~ 72dB	68 ~ 72dB	68 ~ 72 dB





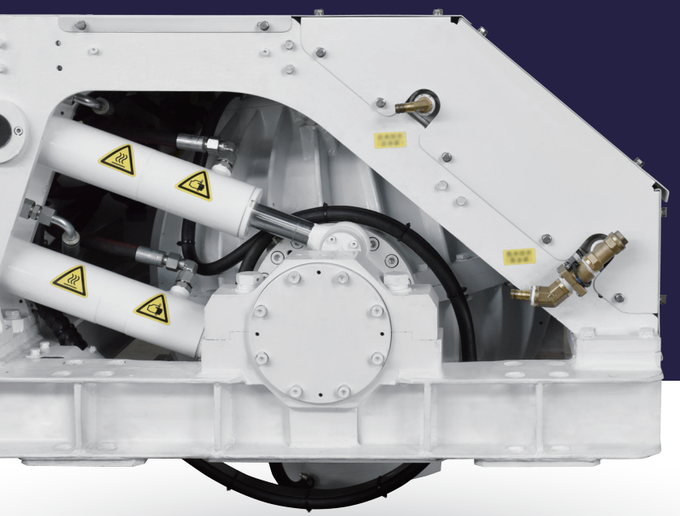
JW-1000



JW-2000

Product Information

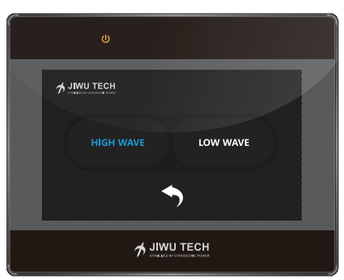
	JW-1000	JW-2000
For Boats	900~ 2000 tons	2000~ 5000 tons
Weight	25000kg±5%	53000kg±5%
Dimensions	4750×4100×1600 mm (187×161×62 in)	4750×4400×3000 mm (187×173×118 in)
Rated Speed	4000 RPM	4000 RPM
Angular Momentum at Rated RPM	1000 KN-M-S	2000 KN-M-S
Anti-Rolling Torque at Rated RPM	2000 KN-M	4000 KN-M
Spool-up Time to Rated RPM	50 min	50 min
Spool-up Time to Stabilization (70% Rated RPM)	30 min	30 min
Spool-up Power	90 KW	180 KW
Operating Power	60 KW ~ 90 KW	120 KW ~ 180 KW
AC Input	AC380V	AC380V
Sea Water Supply to Heat Exchanger	400 ~ 500 LPM	600 ~ 800 LPM
Ambient Air Temprature	-20 ~ 60 ℃	-20 ~ 60 ℃
Noise Output	68 ~ 72 dB	68 ~ 72 dB



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



Fishing Boat (Japan)

Length 52ft
Displacement 8.0t
Configuration JW-3



Yacht (China)

Length 69ft
Displacement 23.4t
Configuration JW-7



Patrol Boat (China)

Length 99.6ft
Displacement 118t
Configuration JW-20×2



Work Boat (China)

Length 81ft
Displacement 156t
Configuration JW-80



Fishery Administration Ship (China)

Length 150ft
Displacement 360t
Configuration JW-150