



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.

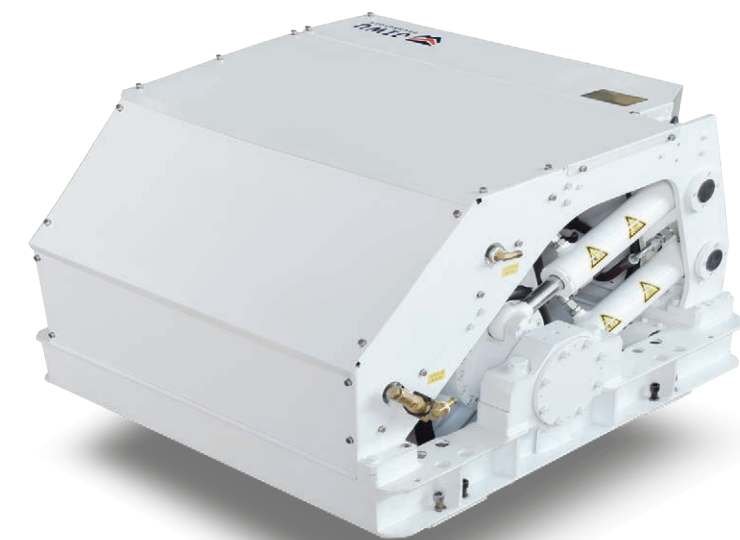
Originated from the government nominated supplier, we are now bringing this innovative and cutting-edge product to everyone. With an incredible anti-rolling effect of up to 95%, we strive to make every trip the best and most comfortable experience ever.

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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.

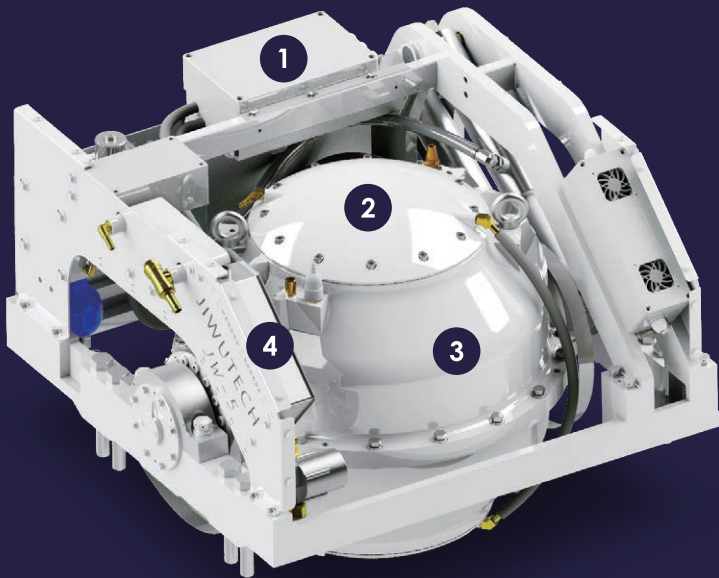
When the boat rolls, the gyro tilts fore and aft, producing a powerful gyroscopic torque to port and starboard that significantly reduces boat roll.



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
- Flexible installation  
Can be installed at any place in the boat
- High performance under any speed  
Especially when the boat is at anchor
- No accessory damping  
Has no effect on speed



JW-1



JW-3



JW-5



JW-7



JW-10



Product  
Information

|   | JW-1                                      | JW-3                                      | JW-5                                      | JW-7                                      | JW-10                                     |
|---|---|---|---|---|---|
| For Boats   | up to 30'<br>(up to 5 tons)               | 25' ~ 50'<br>5 ~ 10 tons                  | 40' ~ 55'<br>10 ~ 22 tons                 | 50' ~ 65'<br>15 ~ 27 tons                 | 60' ~ 80'<br>25 ~ 35 tons                 |
| Weight  | 120 kg±5%<br>(265 lbs±5%)                 | 290 kg±5%<br>(639 lbs±5%)                 | 360 kg±5%<br>(793 lbs±5%)                 | 440 kg±5%<br>(970 lbs±5%)                 | 640 kg±5%<br>(1410 lbs±5%)                |
| Dimensions  | 450×450×470 mm<br>(17.7×17.7×18.2 inches) | 695×710×556 mm<br>(27.4×28.0×21.9 inches) | 760×750×610 mm<br>(29.9×29.5×24.0 inches) | 760×750×610 mm<br>(29.9×29.5×24.0 inches) | 936×936×692 mm<br>(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<br>(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,<br>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<br>(Optional)           | 10LPM                                     | 20LPM                                     | 20LPM                                     | 20LPM                                     |
| Ambient Air Temperature                           | -20 ~ 60 °C                               | -20 ~ 60 °C                               | -20 ~ 60 °C                               | -20 ~ 60 °C                               | -20 ~ 60 °C                               |
| Noise Output                                      | 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'<br>30 ~ 60 tons                                 | 70' ~ 90'<br>40 ~ 80 tons                                 | 80' ~ 90'<br>50 ~ 90 tons                   | 80 ~ 160 tons                                | 100 ~ 200 tons                               |
| Weight  | 950 kg±5%<br>(2094 lbs±5%)                                | 1200 kg±5%<br>(2645 lbs±5%)                               | 1500 kg±5%<br>(3306 lbs±5%)                 | 2548 kg±5%<br>(5617 lbs±5%)                  | 2848 kg±5%<br>(6278 lbs±5%)                  |
| Dimensions  | 1140×1160×960 mm<br>(44.9×45.7×37.8 inches)               | 1140×1160×960 mm<br>(44.9×45.7×37.8 inches)               | 1140×1160×960 mm<br>(44.9×45.7×37.8 inches) | 1600×1560×1600 mm<br>(62.9×61.4×62.9 inches) | 1600×1560×1600 mm<br>(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<br>(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<br>AC380V,Three Phase,50/60HZ | AC220V,Single Phase,50/60HZ<br>AC380V,Three Phase,50/60HZ | AC380V,Three Phase,<br>50/60HZ              | AC380V,Three Phase,<br>50/60HZ               | AC380V,Three Phase,<br>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-100JW-150

|   |  |  |
|---|--|--|
| For Boats   | 200 ~ 300 tons                               | 250 ~ 500 tons                               |
| Weight  | 4500 kg±5%<br>(9920 lbs±5%)                  | 5600 kg±5%<br>(12345 lbs±5%)                 |
| Dimensions  | 1920×1920×1885 mm<br>(75.6×75.6×74.2 inches) | 1920×1920×1885 mm<br>(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<br>(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 Temprature                            | -20 ~ 60 °C                                  | -20 ~ 60 °C                                  |
| Noise Output                                      | 70 ~ 75 dB                                   | 70 ~ 75 dB                                   |

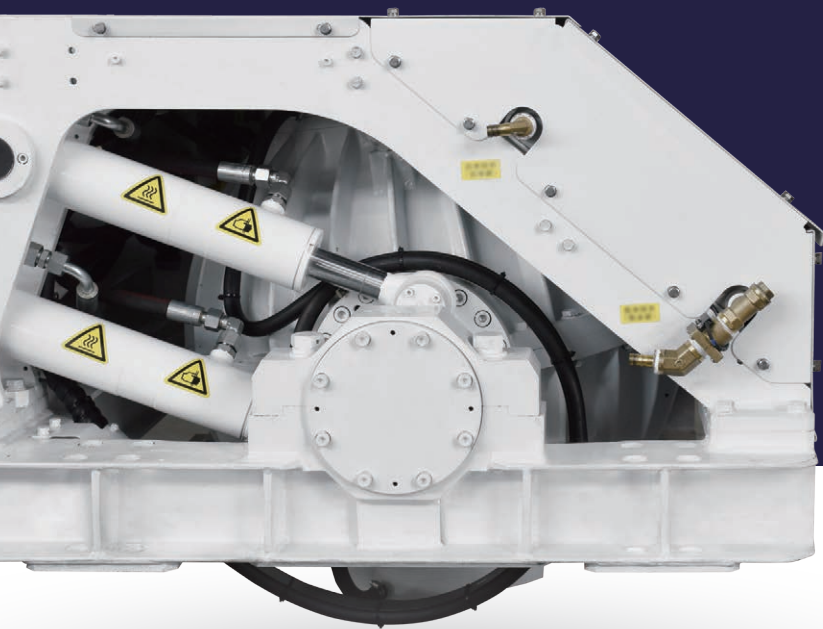


JW-100



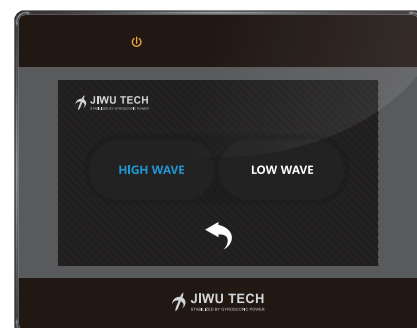
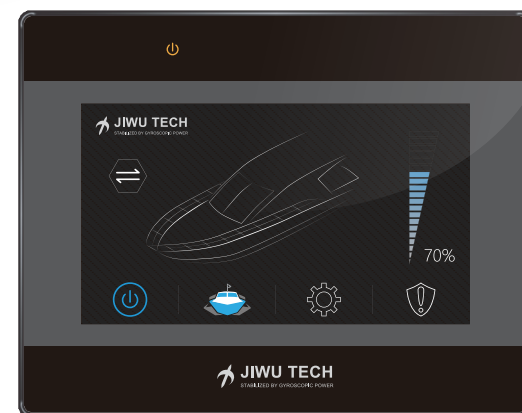
JW-150





# 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%