



FEEL THE MAGIC

Elevating onboard comfort with advanced gyro stabilizers

Smartgyro is a gyro stabilization technology company with a mission to elevate the entire boating experience through its comprehensive range of advanced gyro stabilizers.

Founded in 2014 and based in La Spezia (Italy), Smartgyro is backed by strategic partner YANMAR and its companies, including VETUS, Maxwell and Flexofold.



SMARTGYRO THE FUTURE OF MARINE STABILIZATION HOW DOES **SMARTGYRO WORK?**

HERE IS THE KEY CONCEPT

When a gyroscope is forced to change its orientation, it generates a force that opposes this change, resulting in a precession motion.

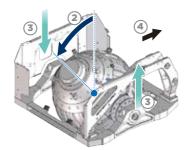


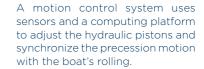




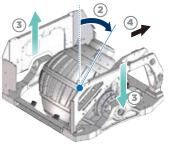
4 Bow





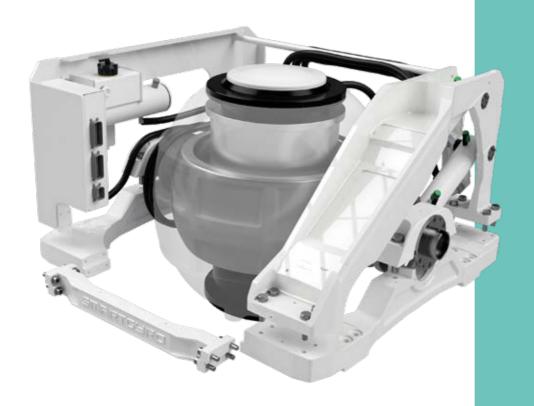






The outcome of all these synchronized efforts is a coordinated dance of forces that keeps the boat stable, no matter how rough the sea gets.

SMARTGYRO THE FUTURE OF MARINE STABILIZATION



WHAT MAKES SMARTGYRO SPECIAL?

We believe the ultimate luxury is uninterrupted time on the water. That's why Smartgyro is designed to minimise not only unwanted movement, but also downtime during maintenance.

EXISTING BOATS

The base frame can be broken down into four parts t allow for installation through narrow access hatche: making refitting easier and more cost-efficient.

NEW BOATS

The unit's compact dimension allows boat builders to easily integrate Smartgyro into vessel design, including taking advantage of empty hull space.





MODULAR DESIGN

For easy assembly, servicing and maintenance inside the boat, reducing the need for downtime or expensive haul outs



LIQUID COOLING

Removes heat generated by the motor, bearings, invertor and hydraulic manifold



VACUUM FLYWHEEL ENCLOSURE

The built-in pump automatically restores the vacuum, ensuring top performance at all times



GYRO CONTROL MODULE

Monitors and processes boat behaviour data in real time



DRIVING PERFORMANCE

Stops the gyro's counteracting forces during quick turns for a smoother ride

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CONTROL YOUR **SMARTGYRO**





SMARTGYRO THE FUTURE OF MARINE STABILIZATION GLOBAL NETWORK Smartgyro has a worldwide distribution network. To find a dealer near you, please go to the website: www.smartgyro.com/find-dealer

BACKED BY A GLOBAL LEADER

Smartgyro is part of YANMAR.

YANMAR is a privately-held, multinational company with headquarters in Osaka, Japan.









SMARTGYRO THE FUTURE OF MARINE STABILIZATION

FEEL THE MAGIC

SPECIFICATIONS











| Target I | ooat | | | | | |
|----------|----------|-------|-------|---------|-------|-------|
| Maximu | m Rate | d spe | eed | | | |
| Angula | mome | ntum | at m | ax. ra | ited | speed |
| Anti-rol | ling tor | que a | at ma | x. rate | ed sp | peed |
| | | | | | | |

"Spool-up" time to max. rated speed "Spool-up" time to stabilization

Input voltage (AC)

| Inpu | t voltage (DC) |
|------|---------------------------------|
| "Spc | ol-up" AC power |
| Ope | rating AC power |
| DC p | ower ("spool-up" and operating) |
| Sea | water supply |
| Ope | rating temperature |
| Enve | elope dimensions |
| Wei | aht |

| 45 - 55' or up to 25 tons |
|--------------------------------------|
| 9.500 RPM |
| 5.900 Nms |
| 15.500 Nm |
| 55 minutes |
| 25 minutes (65% of rated speed) |
| 115V nominal, 50/60 Hz, single phase |
| 220V nominal, 50/60 Hz, single phase |
| 12 Vdc |
| 2.5 - 3.0 kW |

| 15.500 Nm | |
|---|--|
| 55 minutes | |
| 25 minutes (65% of rated speed) | |
| 115V nominal, 50/60 Hz, single phase | |
| 220V nominal, 50/60 Hz, single phase | |
| 12 Vdc | |
| 2.5 - 3.0 kW | |
| 1.5 - 2.5 kW* | |
| 150 W (including display) | |
| 15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM] | |
| 0 - 60 °C [32 - 140 °F] | |
| 0.76 x 0.77 x 0.65 m [29.9 x 30.3 x 25.6 in] | |
| 495 kg [1091 lbs] | |
| 70 - 72 dBC @ 1 meter | |

| 50 - 60' or up to 40 tons | 55 - 65' or up to 50 tons |
|---|------------------------------|
| 7.500 RPM | 5.500 RPM |
| 9.100 Nms | 12.500 Nms |
| 19.000 Nm | 25.000 Nm |
| 55 minutes | 45 minutes |
| 25 minutes (65% of rated speed) | 25 minutes (65% of rated |
| 220V nominal, 50/60 Hz, single phase | 220V nominal, 50/60 Hz, |
| 24 Vdc | 24 Vdc |
| 4 kW | 4.5 kW |
| 1.5 - 2.5 kW* | 2.4 - 4.0 kW* |
| 220 W (including display) | 220 W (including display) |
| 15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM] | 15 (min) - 30 (max) LPM [|
| 0 - 60 °C [32 - 140 °F] | 0 - 60 °C [32 - 140 °F] |
| 0.86 x 0.93 x 0.72 m [34.0 x 36.5 x 28.4 in] | 1.08 x 1.11 x 0.87 m [42.4 x |
| 650 kg [1430 lbs] | 910 kg [2006 lbs] |
| 68 - 70 dBC @ 1 meter | 62 - 64 dBC @ 1 meter |

| 5.500 RPM |
|---|
| 12.500 Nms |
| 25.000 Nm |
| 45 minutes |
| 25 minutes (65% of rated speed) |
| 220V nominal, 50/60 Hz, single phase |
| 24 Vdc |
| 4.5 kW |
| 2.4 - 4.0 kW* |
| 220 W (including display) |
| 15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM] |
| 0 - 60 °C [32 - 140 °F] |
| 1.08 x 1.11 x 0.87 m [42.4 x 43.7 x 34.3 in] |
| 910 kg [2006 lbs] |
| 62 - 64 dBC @ 1 meter |
| |

| 60 - 70' or up to 60 tons | 70 - 85' or u |
|--|---------------|
| 5.500 RPM | 5.000 RPM |
| 5.400 Nms | 28.000 Nm |
| 30.100 Nm | 58.000 Nm |
| 45 minutes | 90 minutes |
| 25 minutes (65% of rated speed) | 55 minutes |
| 220V nominal, 50/60 Hz, single phase | 380V nomii |
| 24 Vdc | 24 Vdc |
| 1.9 kW | 5.5 kW |
| 2.4 - 4.0 kW* | 2.5 - 4.0 kW |
| 220 W (including display) | 250 W (incl |
| 5 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM] | 20 (min) - 3 |
|) - 60 °C [32 - 140 °F] | 0 - 60 °C [3 |
| .08 x 1.11 x 0.87 m [42.4 x 43.7 x 34.3 in] | 1.36 x 1.41 x |
| 980 kg [2160 lbs] | 1690 kg [37 |

62 - 64 dBC @ 1 meter

| 70 - 85' or up to 75 tons | 80 - 95 |
|---|----------|
| 5.000 RPM | 5.000 |
| 28.000 Nms | 37.000 |
| 58.000 Nm | 76.000 |
| 90 minutes | 80 min |
| 55 minutes (65% of rated speed) | 45 min |
| 380V nominal, 50/60 Hz, three phase | 380V r |
| 24 Vdc | 24 Vdc |
| 5.5 kW | 6.5 kW |
| 2.5 - 4.0 kW* | 3.0 - 5. |
| 250 W (including display) | 250 W |
| 20 (min) - 30 (max) LPM [5.5 (min) - 8 (max) GPM] | 35 (mir |
| 0 - 60 °C [32 - 140 °F] | 0 - 60 |
| 1.36 x 1.41 x 1.02 m [53.5 x 55.5 x 40.1 in] | 1.36 x 1 |
| 1690 kg [3726 lbs] | 1890 kg |
| 72 - 74 dBC @ 1 meter | 72 - 74 |

| 5.00 | 0 RPM | |
|------|------------------------------|--|
| 37.0 | 00 Nms | |
| 76.0 | 00 Nm | |
| 80 r | ninutes | |
| 45 r | ninutes (65% of rated speed) | |

/ nominal, 50/60 Hz, three phase

| 24 Vdc | |
|--|--|
| 6.5 kW | |
| 3.0 - 5.0 kW* | |
| 250 W (including display) | |
| 35 (min) - 55 (max) LPM [9 (min) - 15 (max) GPM] | |
| 0 - 60 °C [32 - 140 °F] | |
| 1.36 x 1.41 x 1.02 m [53.5 x 55.5 x 40.1 in] | |
| 1890 kg [4167 lbs] | |
| 72 - 74 dBC @ 1 meter | |



Sea state dependent*

Noise output

www.smartgyro.com/products

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VISIT smartgyro.com



Smartgyro s.r.l. Via Privata O.T.O. 11 | 1936 La Spezia | ITALY





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