



THE FUTURE OF MARINE STABILIZATION



An unprecedented balance of performance and efficiency.



LIQUID COOLING

The liquid cooling system dissipates heat generated by the motor and spinning bearings while also cooling the inverter and hydraulic manifold.

VACUUM ENCLOSURE

The sealed vacuum flywheel enclosure minimizes air drag to increase performance and reduce heat and power consumption.

CONTROL ELECTRONICS

The gyro control module uses motion sensors and an Inertial Measuring Unit (IMU) to monitor and process real-time boat behavior data.

BRAKING SYSTEM

The pressurized, closed loop braking system dynamically controls the gyro using hydraulic cylinders and proportional valve.

MODULAR DESIGN

The Smartgyro unit can be serviced, maintained and assembled directly inside the boat.

MEET THE GROWING SMARTGYRO LINEUP

SG 20

Vessels 45-55'

SG 40

Vessels 50-60'

SG 60

Vessels 55-65'

SG 80

Vessels 60-70'

SG 120

Vessels 70-85'

SG 150

Vessels 80-95'



ENJOY A LIFE WITHOUT LIMITS



ELEVATING EVERY MOMENT

Nothing compares to the feeling of being on the water. Stepping aboard means leaving land—and the ordinary—behind. Ahead lies freedom, adventure, relaxation and experiences that come only from a life well lived.

Our love for boating comes alive in our products. We push the limits of technology so boaters can enjoy a life without limits. Smartgyro stabilizers eliminate boat roll to make life's richest moments more comfortable, safe and satisfying.



BACKED BY A GLOBAL LEADER

Smartgyro is part of YANMAR.

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

THE WATER IS NO PLACE FOR COMPROMISE

SMARTGYRO MAXIMIZES PERFORMANCE, EFFICIENCY, AND BOAT ROLL REDUCTION IN ALL SEA CONDITIONS. OUR COMPETITORS WOULD STOP THERE, BUT WE REFUSE TO SETTLE.

We believe the ultimate luxury is uninterrupted time on the water. That's why Smartgyro is designed to minimize not only unwanted movement but also downtime during maintenance. Most gyros must be uninstalled and shipped back to the factory, but Smartgyro can be serviced directly onboard the vessel. Because patience is overrated.

POWERFUL PERFORMANCE

Advanced technology virtually eliminates boat roll, no matter the conditions.

SUPERIOR EFFICIENCY

Stabilizers can be fully serviced onboard for significant time and cost savings.

LESS DOWNTIME

Faster maintenance means more time to enjoy your favorite things in life.



Some things are worth waiting for. Maintenance isn't one of them.





WE DON'T JUST MAKE INSTALLATION POSSIBLE. WE MAKE IT EASY.

WHETHER REFITTING A CLASSIC CRUISER OR BUILDING A MODERN YACHT,
SMARTGYRO'S UNIQUE MODULAR CONSTRUCTION MAKES THE PROCESS SEAMLESS.

By designing a unit that can be fully disassembled, Smartgyro has created new installation opportunities in vessels with small access spaces.

*When passion meets innovation,
the possibilities are endless.*



EXISTING BOATS

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

NEW BOATS

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

SPECIFICATIONS



SG 20



SG 40



SG 60



SG 80



SG 120



SG 150

Target boat	45 - 55' or up to 25 tons	50 - 60' or up to 40 tons	55 - 65' or up to 50 tons	60 - 70' or up to 60 tons	70 - 85' or up to 75 tons	80 - 95' or up to 100 tons
Maximum Rated speed	9.500 RPM	7.500 RPM	5.500 RPM	5.500 RPM	5.000 RPM	5.000 RPM
Angular momentum at max. rated speed	5.900 Nms	9.100 Nms	12.500 Nms	15.400 Nms	28.000 Nms	37.000 Nms
Anti-rolling torque at max. rated speed	15.500 Nm	19.000 Nm	25.000 Nm	30.100 Nm	58.000 Nm	76.000 Nm
"Spool-up" time to max. rated speed	55 minutes	55 minutes	45 minutes	45 minutes	90 minutes	80 minutes
"Spool-up" time to stabilization	25 minutes (65% of rated speed)	25 minutes (65% of rated speed)	25 minutes (65% of rated speed)	25 minutes (65% of rated speed)	55 minutes (65% of rated speed)	45 minutes (65% of rated speed)
Input voltage (AC)	115V nominal, 50/60 Hz, single phase 220V nominal, 50/60 Hz, single phase	220V nominal, 50/60 Hz, single phase	220V nominal, 50/60 Hz, single phase	220V nominal, 50/60 Hz, single phase	380V nominal, 50/60 Hz, three phase	380V nominal, 50/60 Hz, three phase
Input voltage (DC)	12 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc	24 Vdc
"Spool-up" AC power	2.5 - 3.0 kW	4 kW	4.5 kW	4.9 kW	4.5 kW	6.5 kW
Operating AC power	1.5 - 2.5 kW*	1.5 - 2.5 kW*	2.4 - 4.0 kW*	2.4 - 4.0 kW*	1.5 - 3 kW*	2.5 - 5 kW*
DC power ("spool-up" and operating)	150 W (including display)	220 W (including display)	220 W (including display)	220 W (including display)	250 W (including display)	250 W (including display)
Sea water supply	15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM]	15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM]	15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM]	15 (min) - 30 (max) LPM [4 (min) - 8 (max) GPM]	20 (min) - 30 (max) LPM [5.5 (min) - 8 (max) GPM]	35 (min) - 55 (max) LPM [9 (min) - 15 (max) GPM]
Operating temperature	0 - 60 °C [32 - 140 °F]	0 - 60 °C [32 - 140 °F]	0 - 60 °C [32 - 140 °F]	0 - 60 °C [32 - 140 °F]	0 - 60 °C [32 - 140 °F]	0 - 60 °C [32 - 140 °F]
Envelope dimensions	0.76 x 0.77 x 0.65 m [29.9 x 30.3 x 25.6 in]	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 43.7 x 34.3 in]	1.08 x 1.11 x 0.87 m [42.4 x 43.7 x 34.3 in]	1.36 x 1.41 x 1.02 m [53.5 x 55.5 x 40.1 in]	1.36 x 1.41 x 1.02 m [53.5 x 55.5 x 40.1 in]
Weight	495 kg [1091 lbs]	650 kg [1430 lbs]	910 kg [2006 lbs]	980 kg [2160 lbs]	1690 kg [3726 lbs]	1890 kg [4167 lbs]
Noise output	70 - 72 dBC @ 1 meter	68 - 70 dBC @ 1 meter	62 - 64 dBC @ 1 meter	62 - 64 dBC @ 1 meter	72 - 74 dBC @ 1 meter	72 - 74 dBC @ 1 meter

*Sea state dependent

WORLD-CLASS WARRANTY

From installation to maintenance and beyond, we are committed to keeping our customers on the water. Smartgyro recreational units come with unique three year/2000 hours* warranty coverage for unrivaled peace of mind.

GLOBAL NETWORK

Smartgyro boasts a worldwide distribution network backed by strategic partner YANMAR and its companies, including VETUS, Maxwell and Flexofold.



** Full terms and conditions apply and are available on request.*

www.smartgyro.com

