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seakeeper.com

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HD Brochure - SEAK204



SEAK204

ELIMINATE BOAT ROLL.





**PROCEED WITH
CONFIDENCE**

SEAKEEPER HEAVY DUTY
WHEN OTHERS STAY IN, YOU GO OUT.

Designed to handle the extreme conditions faced in extended offshore operations of more than 1,000 hours per year, the Seakeeper HD line provides added safety to crews and extends the amount of time you can be out on the water.



REDUCE RISK & KEEP THEM SAFE

Boat roll jeopardizes the safety of everyone on board, whether by way of insecure footing, early fatigue, or moving loose equipment. With the push of a button, you can give your crew a land-like experience, greatly reducing the possibility of injury from slips and falling gear.

SPEED & EFFICIENCY

The completely internal system means there is no added drag or increased risk of snags, giving your vessel added safety, speed and efficiency.

STABILIZATION FOR ALL APPLICATIONS

One product, so many possibilities! Whether you're a patrol or crew transfer ship, a survey or research vessel, Seakeeper can smooth the seas and stabilize your platform. Whatever size your vessel may be, we've got a model that will do the trick.



Visit seakeeper.com for sea trial results on the wide range of Seakeeper stabilized boats.

WE AIM TO ELIMINATE UP TO 95% OF BOAT ROLL ON EVERY INSTALLATION

Making sure you have the highest level of stabilization while out on the water is important to us. That's why we look at every Seakeeper installation individually. We customize our product recommendation based on the parameters and use of your specific boat. To ensure our high standards have been met, we developed the Seakeeper Mobile App to record sea trials on our installations which has allowed us to create a database displaying the real-life results of hundreds of installations. View all of our sea trials at seakeeper.com/performance.



INTUITIVE DASHBOARD DISPLAY

An intuitive operator interface allows you to simply turn it on and forget about it. There are no complex settings or adjustments for the operator. Seakeeper does all of this automatically, you simply enjoy. With the option to use our 5-inch display or integrate with your current electronics, make your helm, your own.



HOW IT WORKS

Inside a vacuum encapsulation, a flywheel spins at speeds of up to 9,750 rpm. When the boat rolls, the sphere tilts fore and aft (precesses), producing a powerful gyroscopic torque to port and starboard that counteracts the boat roll.



BUILT TO PERFORM

The Seakeeper is designed to virtually eliminate boat roll on vessels 23 feet and up. It requires modest electrical power, has no outside appendages, and can be installed virtually anywhere on board. Its computerized control and vacuum technology make it the first truly practical, and only modern, anti-roll gyro.



INNOVATIVE COOLING SYSTEM

Patented cooling system enables the flywheel to spin at high speeds inside of the vacuum containment.

VACUUM SEALED

Seakeeper's vacuum encapsulation enables the flywheel to spin roughly three times faster, cuts flywheel weight by two-thirds, and halves power requirements. Moreover, because the critical components (flywheel, bearings, and motor) are sealed in a vacuum, they are forever isolated from the marine environment.

ACTIVE CONTROL

Seakeeper's active control optimizes gyro torque, providing an unsurpassed level of performance. Unlike a passively controlled gyro, which must be turned off in the roughest conditions and/or at higher speeds, the Seakeeper is effective at all speeds and can be used in all sea conditions.

AND JUST IN CASE YOU'RE WONDERING...



LIGHTWEIGHT

Seakeeper weighs a small fraction of the vessel displacement.



LOW POWER CONSUMPTION

Due to its vacuum encapsulation, Seakeeper requires minimal power.



SIMPLE INSTALLATION

Completely internal, no external appendages.



FLEXIBLE

It can be installed virtually anywhere on the boat and any combination of units can be used to reach targeted performance.



25% OF SALES ARE REFITS

Easily refit your existing vessel with a Seakeeper unit.



OPTIMIZED

Seakeeper reviews every unique installation in-depth to ensure you receive the full Seakeeper experience. Seakeeper doesn't aim to simply reduce roll, we aim to eliminate it!



NEVER TURN IT OFF

Thanks to the smart technology of active control, it can be used at rest and underway in all sea conditions.



QUIET

With all Seakeeper models operating between 68 and 75 dCB, you won't be bothered by any noise.



THE STATS

Heavy Duty. Engineered for extended use in harsh conditions. Recommended for vessels with more than 1,000 sea hours per year and backed by a 4-year major component warranty.



SEAKEEPER 7 HD

~45-54' (14-16.5 meters)
up to ~25 tons



SEAKEEPER 12 HD

~55-64' (17-19.5 meters)
up to ~35 tons



SEAKEEPER 20 HD

~65-74' (20-22.5 meters)
up to ~60 tons



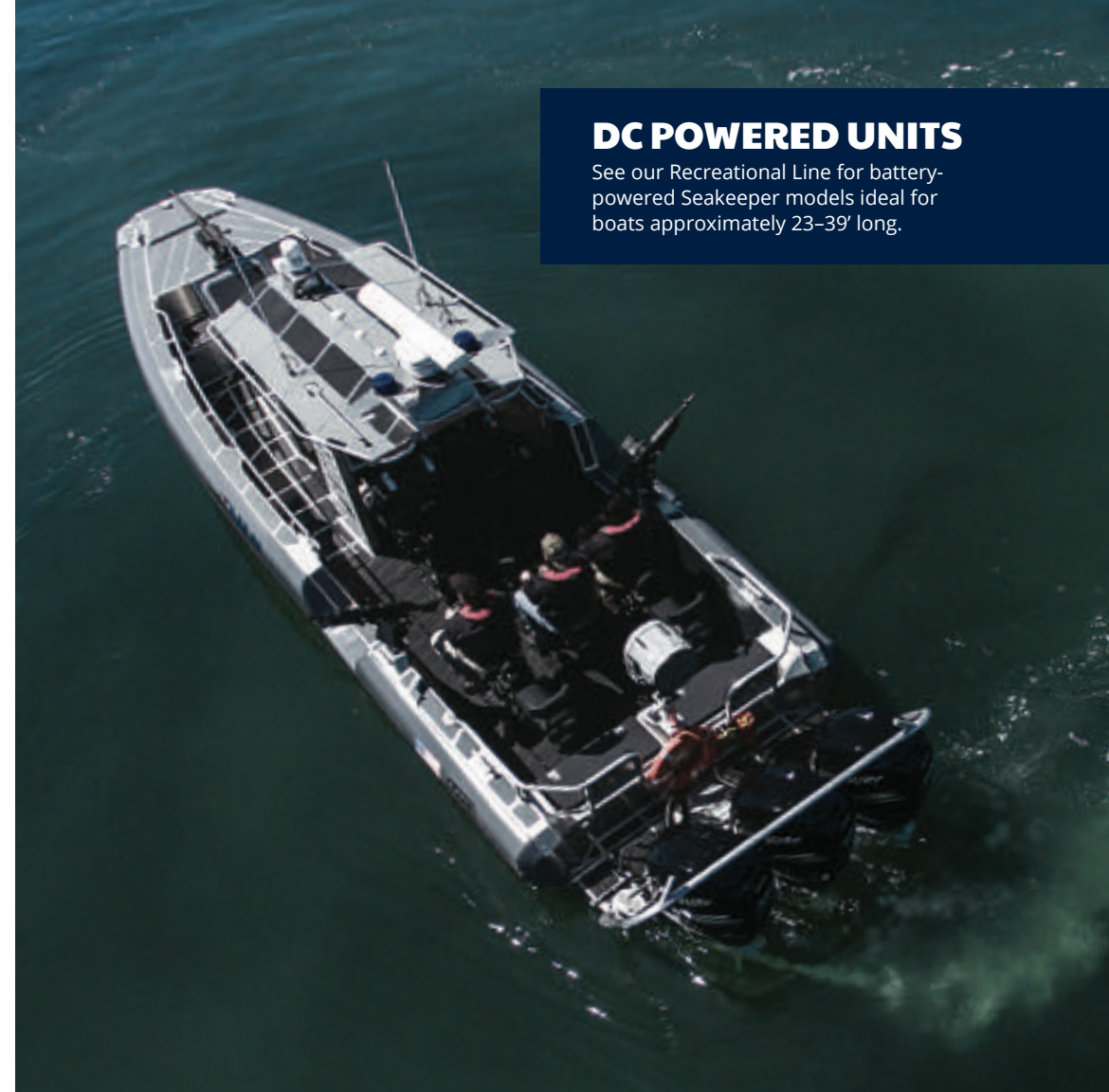
SEAKEEPER 30 HD

>75' (>23 meters)
up to ~85 tons

Rated Speed	7,000 RPM	4,600 RPM	3,850 RPM	4,400 RPM
Angular Momentum at Rated RPM	7,000 N-M-S	12,000 N-M-S	20,000 N-M-S	30,000 N-M-S
Anti-Rolling Torque at Rated RPM	14,630 N-M	19,900 N-M	31,160 N-M	44,500 N-M
Spool-up Time to Rated RPM	30 minutes (7,000 RPM)	25 minutes (4,600 RPM)	61 minutes (3,850 RPM)	65 minutes (4,400 RPM)
Spool-up Time to Stabilization	23 minutes (5,950 RPM)	20 minutes (3,910 RPM)	48 minutes (3,272 RPM)	50 minutes (3,740 RPM)
Spool-up Power				
AC Motor	3000 Watts Max	3700 Watts Max	3000 Watts Max	3000 Watts Max
DC Control	240 Watts	240 Watts	240 Watts	240 Watts
Operating Power				
AC Motor (sea state dependent):	1000 - 2000 Watts	1000 - 3700 Watts	1000 - 3000 Watts	2000 - 3000 Watts
DC Control:	240 Watts	240 Watts	240 Watts	240 Watts
AC Input Voltage:	208 - 230 VAC (+/- 10%), 50/60 Hz, Single Phase	208 - 230 VAC (+/- 10%), 50/60 Hz, Single Phase	208 - 230 VAC (+/- 10%), 50/60 Hz, Single Phase	208 - 230 VAC (+/- 10%), 50/60 Hz, Single Phase
DC Input Voltage:	24 VDC @ 10 Amps	24 VDC @ 10 Amps	24 VDC @ 10 Amps	24 VDC @ 10 Amps
Weight	1,210 lbs (550 kg)	2,270 lbs (1,030 kg)	3,010 lbs (1,365 kg)	3,920 lbs (1,778 kg)
Envelope Dimensions	33.5 L x 35.6 W x 27.9 H (inches) 0.852 L x 0.903 W x 0.708 H (meters)	42.1 L x 43.1 W x 33.6 H (inches) 1.069 L x 1.096 W x 0.853 H (meters)	52.7 L x 55.9 W x 40.4 H (inches) 1.338 L x 1.419 W x 1.023 H (meters)	52.8 L x 55.9 W x 42.4 H (inches) 1.342 L x 1.419 W x 1.076 H (meters)
Noise Output	68-70 dBC at 1 meter	60-62 dBC at 1 meter	72-74 dBC at 1 meter	72-74 dBC at 1 meter

DC POWERED UNITS

See our Recreational Line for battery-powered Seakeeper models ideal for boats approximately 23-39' long.



STUFF HAPPENS!

But that's why you have a warranty

All of Seakeeper's HD products come with a 4-year/4,000-hour complete system warranty.

View warranty details at:
seakeeper.com/extended-warranty



Register Your Seakeeper
for Greater Rewards

The first step to taking full advantage of any of our fabulous after-sales programs is registering your Seakeeper!

Register your Seakeeper at seakeeper.com/register

SEAKEEPER EXTENDED WARRANTY

Our extended warranty program provides you with an added peace of mind and reliable service beyond the duration of your standard factory warranty.

Extended warranty coverage is available for customers currently within their factory warranty period.



HD
5 Years or 6,000 Hours
Complete Coverage

Extra harsh conditions require extra strong protection. Our HD extended warranty protects your crew and lets you get the job done without worry.

from
\$10,965 Price shown is for the Seakeeper 7HD

View all pricing and full policies at seakeeper.com/extended-warranty.

Designed for optimal performance in recreational applications.

THE RECREATIONAL LINE



SEAKEEPER 1

For Boats ~23-30' (7 - 9 meters)
Weight up to ~5.5 tons
Dimensions 22.9 L x 23.6 W x 15.7 H (inches)
0.582 L x 0.598 W x 0.398 H (meters)



SEAKEEPER 2

For Boats ~31-35' (8 - 10.5 meters)
Weight up to ~7.5 tons
Dimensions 25.5 L x 24.8 W x 20.0 H (inches)
0.648 L x 0.630 W x 0.508 (meters)



SEAKEEPER 3

For Boats ~36-39' (10.5 - 12 meters)
Weight up to ~10.5 tons
Dimensions 26.8 L x 27.0 W x 23.3 H (inches)
0.680 L x .685 W x .592 H (meters)



SEAKEEPER 5

For Boats ~40-45' (12 - 14 meters)
Weight up to ~20 tons
Dimensions 29.8 L x 29.7 W x 24.7 H (inches)
0.756 L x 0.755 W x 0.626 H (meters)



SEAKEEPER 6

For Boats ~46-52' (14 - 16 meters)
Weight up to ~24 tons
Dimensions 29.8 L x 29.7 W x 24.7 H (inches)
0.756 L x 0.755 W x 0.626 H (meters)



SEAKEEPER 9

For Boats ~50-59' (15.5 - 18 meters)
Weight up to ~30 tons
Dimensions 33.5 L x 35.6 W x 27.9 H (inches)
0.852 L x 0.903 W x 0.708 H (meters)



SEAKEEPER 16

For Boats ~60-69' (18 - 21 meters)
Weight up to ~50 tons
Dimensions 42.1 L x 43.1 W x 33.6 H (inches)
1.069 L x 1.096 W x 0.854 H (meters)



SEAKEEPER 18

For Boats ~65-75' (20 - 23 meters)
Weight up to ~56 tons
Dimensions 42.1 L x 43.1 W x 33.6 H (inches)
1.069 L x 1.096 W x 0.854 H (meters)



SEAKEEPER 26

For Boats ~70-84' (21 - 25.5 meters)
Weight up to ~75 tons
Dimensions 52.7 L x 55.9 W x 40.4 H (inches)
1.338 L x 1.419 W x 1.023 H (meters)



SEAKEEPER 35

For Boats >85' (26 meters)
Weight up to ~100 tons
Dimensions 52.8 L x 55.9 W x 42.4 H (inches)
1.342 L x 1.419 W x 1.076 H (meters)






UNRIVALED SUPPORT

Our certified Dealers are ready to assist with all your service and refit needs around the world.



Interested in becoming a Dealer?

Learn more at seakeeper.com/become-a-dealer

-  Seakeeper Office Locations
-  Exclusive Distributors
-  Dealers

A NETWORK THAT WORKS FOR YOU

With certified sales and service personnel across the globe, there's always a helping hand nearby when you need it. Whether you're considering a refit, scheduling annual maintenance or are experiencing a technical issue, Seakeeper's support network has you covered.



TECHNICAL SUPPORT

+1-240-718-6440

We stand behind our product with a global support network and a 24/7 technical support hotline.



MAINTENANCE MAKES THE MAGIC HAPPEN

All equipment needs a little regular care to keep it working in tip-top shape - even the magical kind like Seakeeper! Here's what we recommend keeping up with:

Brake System	Task	Running Hours	Period
Hydraulic Oil Flush	Change	1000	Annually
Brake Bushings	Inspect	1000	Annually
Brake Bushings	Replace	2000/As Needed	----
Seakeeper 1 Mechanical/Safety Latch Assembly	Inspect	1000	Annually
Seakeeper 1 Mechanical/Safety Latch Assembly	Replace	2000	Annually
Hydraulic Cylinders & Hoses	Inspect	1000	Annually
Hydraulic Accumulators	Inspect/Replace	1000/2000	Annually
Cooling System			
Zinc Anode *N/A for Seakeeper 1, 2, 3	Inspect/Replace	150	3 Months
Heat Exchanger	Inspect/Replace	1000/2000	Annually
Coolant Level - Glycol	Inspect/Fill	1000	Annually
Clean/Descale Heat Exchanger	Inspect/Clean	1000	Annually
Cooling Hose	Inspect	1000	Annually
Cooling System Flush - Glycol	Inspect/Replace	1000	Annually
Electronics System			
Inspection of all electrical connections, cables, and components	Inspect	----	Annually
Mechanical & Foundational System			
Inspect all mounting hardware/bolts	Inspect	1000	Annually
Inspect isolation bushings, pins, and clips	Inspect	1000	Annually
Clevis assemblies (4), hardware, isolation bushings, pins & clips	Inspect/Replace	1000	----

Perform the Recommended Maintenance after the indicated number of Running [RUN] hours or MONTHS / YEARS since last maintenance, whichever occurs first. Seakeepers are designed for use in a marine environment and to withstand occasional water spray or splash. Prolonged exposure to seawater however can cause premature wear and damage to the unit, therefore it is important to apply a gentle fresh water rinse following exposure to seawater.

Recommended Maintenance should be performed by a certified Seakeeper Dealer or Seakeeper factory technician. Find a local Dealer at www.seakeeper.com/find-us

ONCE YOU FEEL IT, YOU'LL NEVER BOAT WITHOUT IT.

We've heard from captains and crews across the globe that the added safety and potential for increased profit that Seakeeper provides is unmatched. If you're not ready to take their word for it, we urge you to feel it for yourself and schedule a Seakeeper demo today!

VISIT
SEAKEEPER.COM
TO SCHEDULE A DEMO &
FIND A SALES REP NEAR YOU

