

HULL CHARACTERISTICS - SEAPIPER - 35

Date 3/2/18

Length at Waterline	33.44 Feet
Beam at Waterline	8.00 Feet
Full Load Displacement	17,000 Pounds
GM' (Estimated)	2.18 Feet

SEAKEEPER SIZING

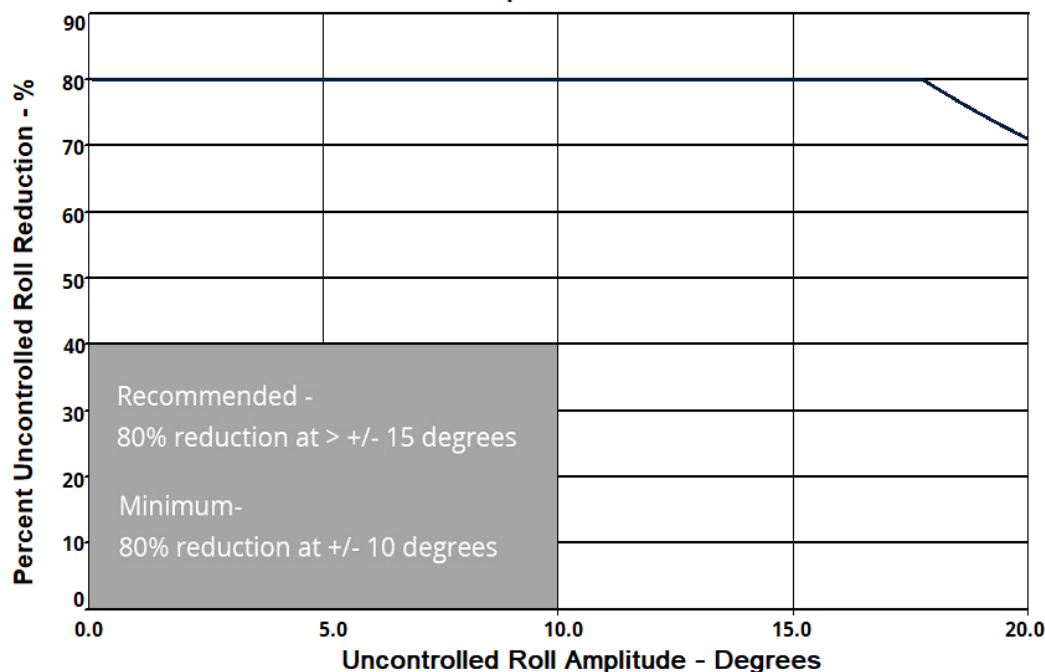
Objectional boat roll occurs when the wave period matches or is very close to a boat's natural roll period. This is called natural or resonant rolling and a boat will roll 3 to 5 times the slope of the wave in this condition which in turn causes motion sickness, fatigue and anxiety about the safety of the boat.

Seakeeper sizes the gyro configuration for zero speed operation in regular beam seas waves where the wave period equals the vessel's roll period. This represents a worst case operating scenario and provides a reference condition for sizing gyros for numerous applications.

The results are presented below in terms of percentage roll reduction with the recommended gyro configuration versus uncontrolled roll angle. The uncontrolled roll angle is limited to +/- 20 Degrees as this is about the maximum angle that a boat will roll offshore in high sea conditions.

Roll Reduction at Zero Speed in Regular Beam Waves at Natural Roll Period

SeaPiper - 35



Sizing Key:



RECOMMENDED SEAKEEPER CONFIGURATION

Model	1 x Seakeeper 2
Angular Momentum	2,000 N-M-S
Weight	188 Kg
Dimension	L 0.630 x W 0.648 x H 0.508 Meters

NOTICE TO CONSUMER

Please note that the results contained in this report are Seakeeper's estimate of the performance of the various gyro configurations for a reference condition based on the data provided and the tools available to Seakeeper. Actual performance will vary depending on the accuracy of the methods and variations in actual sea conditions to our assumption of regular beam waves and to our assumption that performance underway at low speed in beam seas will be similar to the zero speed reference condition. In addition, sea conditions are extremely difficult to quantify due to the random nature of wind generated waves and swell. Therefore, no guarantee is expressed or implied.