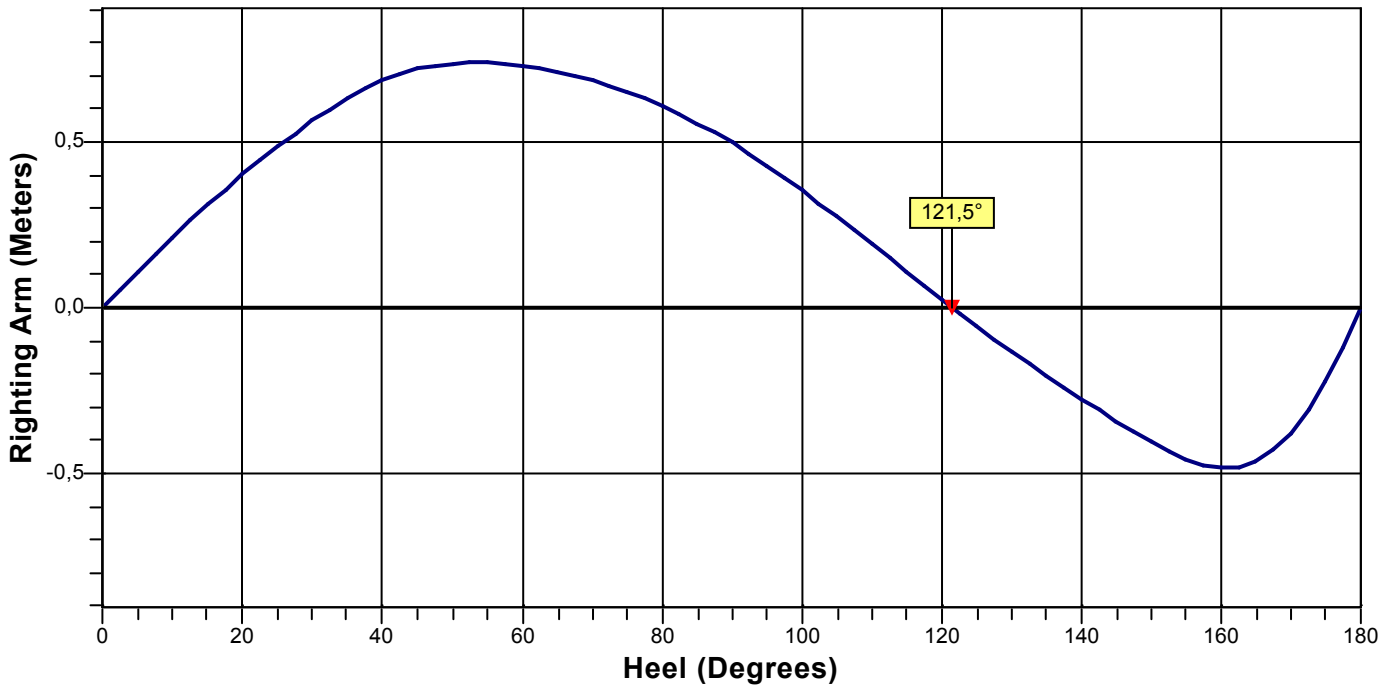




World Leader in Rating Technology

# STABILITY AND HYDROSTATICS DATASHEET

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STABILITY CURVE														
Righting Moment at 1°	<b>137,1</b>	Stability Curve Positive Area	<b>25,768</b>	Stability Curve Ratio	<b>3,2899</b>	Stability Index	<b>122,0</b>							
Limit of positive stability	<b>121,5°</b>	Stability Curve Negative Area	<b>7,833</b>	Water Ballast Volume	<b>0 l</b>	BLR Index	<b>0,0000</b>							
Righting Arm (meters)														
		0°	2°	10°	20°	25°	30°	40°	60°	90°	120°	150°	165°	180°
Default Crew Weight	<b>689 kg</b>	0,000	0,043	0,211	0,401	0,485	0,561	0,684	0,725	0,496	0,025	-0,402	-0,461	0,000
Declared Crew Weight	<b>815 kg</b>	0,000	0,042	0,208	0,397	0,480	0,555	0,676	0,714	0,482	0,013	-0,408	-0,464	0,000

BOAT	
Name	<b>PARAGON OF VIRTUE</b>
Sail Number	<b>US-12345</b>
Class	<b>TRIPP 40</b>
Designer	<b>TRIPP</b>
Builder	<b>CONCORDIA</b>
Age Date	<b>05/1991</b>
Measured	<b>22/05/1991</b>
Measurer	<b>STIMSON</b>
Issued On	<b>6/10/2009 - VPP 1.11</b>

HULL CHARACTERISTICS (MEASUREMENT TRIM)	
Length Overall	<b>12,410 m</b>
Maximum Beam	<b>3,630 m</b>
Maximum Beam Station	<b>7,327 m</b>
Draft	<b>2,305 m</b>
Maximum Draft Station	<b>6,891 m</b>
Moment Unit Trim	<b>9,3 kg•m/m m</b>
Displacement Unit Immersion	<b>19,58 kg/m m</b>
Block Coefficient	<b>0,3833</b>
Prismatic Coefficient	<b>0,5270</b>

FLOTATION (MEASUREMENT TRIM)	
Forward Freeboard at 0,614 m	<b>1,228 m</b>
Freeboard at mast at 4,250 m	<b>1,122 m</b>
Aft Freeboard at 11,190 m	<b>1,009 m</b>
Overhang Forward	<b>0,793 m</b>
Overhang Aft	<b>1,710 m</b>
Length Waterline	<b>9,908 m</b>

HYDROSTATIC DATA			
	Trim	Measurement	Sailing
Displacement		<b>5,747 kg</b>	<b>6,677 kg</b>
Wetted Area		<b>26,41 m<sup>2</sup></b>	<b>28,03 m<sup>2</sup></b>
Water Plane Area		<b>18,76 m<sup>2</sup></b>	<b>19,95 m<sup>2</sup></b>
Water Plane Beam		<b>2,818 m</b>	<b>2,898 m</b>
Longitudinal Centre of Flotation		<b>6,384 m</b>	<b>6,499 m</b>
Longitudinal Centre of Buoyancy		<b>6,237 m</b>	<b>6,342 m</b>
Vertical Centre of Gravity		<b>-0,091 m</b>	<b>0,049 m</b>
Max. Section Area		<b>1,23 m<sup>2</sup></b>	<b>1,35 m<sup>2</sup></b>
Max. Section Area Station		<b>5,857 m</b>	<b>5,857 m</b>
Sail Area Upwind		<b>83,47 m<sup>2</sup></b>	
Sail Plan Centre of Effort Height		<b>7,905 m</b>	

CONFORMITY WITH LIMITS	
ORC International Certificate LPS > 103°:	<b>Yes</b>
Offshore Special Regulations Category:	<b>0</b>