

BALTIC 140-C MAIN CHARACTERISTICS (PRELIMINARY)

L.O.A.	42.500 m	139.44 ft
D.W.L.	33.000 m	108.27 ft
BEAM	8.350 m	27.40 ft
DRAFT	5.800 / 3.500 m	19.03 / 11.48 ft
DISPLACEMENT (SAILING)	149,000 kg	328,489 lbs
BALLAST	57,000 kg	125,663 lbs
IM	48.150 m	157.97 ft
J	14.700 m	48.23 ft
P	44.600 m	146.33 ft
E	15.350 m	50.36 ft
HULL	Sandwich construction. Built using high modulus pre-preg Carbon fibres. Pre-preg Aramide fibres in the outside skin for added impact resistance. Core-Cell foam core. Cured under vacuum and high temperature, 85 °C (185 °F) for 24 hours.	
KEEL	Lifting keel. Stainless steel keel fin with lead bulb.	
STEERING SYSTEM	Rudder is molded from Epoxy/Carbon fiber laminates around a Core-Cell foam.	
DECK	Sandwich construction. Built using high modulus pre-preg Carbon fibres. Cured under vacuum and high temperature, 85 °C (185 °F) for 24 hours.	
TRANSOM	Opening hatch/platform.	
CAPTIVE WINCHES	6 captive winches.	
ANCHOR SYSTEM	Custom fabricated stainless steel anchor roller/storage fitting.	
INTERIOR	Main structural bulkheads Epoxy/Carbon fibre/Glass fibre laminates on a Core-Cell foam sandwich construction. Visible surfaces are teak faced.	
FUEL TANKS	9,000 l (2,377 gal)	
WATER TANKS	5,500 l (1,453 gal)	
WATERMAKER	HEM 30/2100 Modular System. Capacity: 8,000 l/day (2,113 gal/day).	
AIR-CONDITIONING / HEATING	Condaria	
SEWAGE TREATMENT	Waste water treatment plant. Hamann Wassertechnik, type HL-Cont "Super Mini"	
MAIN ENGINE	MTU 12V 183 TE72	
GEAR BOX	Hundested CPG 32	

PROPELLER	Hundested VP 9	
MAST AND RIGGING	Masthead rig with running backstays and four spreaders. Carbon mast and booms. OYS rod rigging and hydraulics.	
HYDRAULIC SYSTEM	Hydraulic power pack. PTO hydraulic pumps for the central hydraulic system on the diesel generators.	
BOW THRUSTER	100 Hp (73.5 kW), swing retracting. Driven by hydraulic pumps.	
STERN THRUSTER	70 Hp (51.5 kW), swing retracting. Driven by hydraulic pumps.	
BATTERIES	Sonnenshine Dryfit Sportline Gel-cell. Main engine starting battery 24 V/DC, 200 Ah. Service batteries 24 V/DC, 1,400 Ah. Generator starting battery 12 V/DC 100 Ah.	
AC SYSTEM	2 pcs diesel generators Northern Lights MP445D, 33 KW, 220 V/AC 50 Hz. Custom made electrical system for 220 V 50 Hz powered from shore connection and DC/AC inverter, 3 kW. Battery charger 24 V 60 A for charging service batteries. Shore connection transformer for 110 V/AC 60 Hz - 220 V/AC 50 Hz.	
NAVAL ARCHITECT	Judel/Vrolijk	
STRUCTURAL ENGINEERING	R & J Design	
DECK DESIGN	Judel/Vrolijk	
SCHEDULED DELIVERY	2006	
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