

RUSH X			
Previous Name		LOA	15.850
Year	2005	DWL	14.710
Model	Transpac 52	Beam	4.412
Builder	Cookson Boats - NZL	Draft	3.185
Designer	Farr Yacht Design	Displ.	7,492 Kg
Design #	585	Ballast	4,588 Kg
Hull Material	Carbon Composite	Bottom	White Epoxy
Rig Material	High Modulus Carbon	Type	Fractional
Yacht Location	Castellon, Spain	L/A Date	05/20/06
FYS Broker	Bill O'Malley	Listing Price	



900,000 euro

Hull Color	White	Graphics	Red stripe	Deck Color	White
Engine	Yanmar Sail Drive	Model	4JH3	HP	56
Fuel	Diesel	Water		Holding	
Steering	Twin Carbon Wheels	Propeller	BriSki Folding	Keel	Steel Fin w/ Bulb
Hull Identification #					

Description:

RUSH X a third generation Farr® Transpac 52, built by Cookson Boats of New Zealand, was developed to compete in both the European and US Transpac 52 competitions. Design #585 was developed to meet the demands of a specific selection of Mediterranean venues. This design is the direct result of first hand experience gained while sailing and competing in Transpac 52 class for the 3 years.

Research for this program focused on the following areas:

- Beam optimization studies for the proposed venues/conditions
- Hull shape refinement
- Transom immersion and effective length studies
- Appendage sizing studies
- Foil and bulb shape optimization
- Review of existing boats performance and observations
- Deck layout refinements
- Construction refinements



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Hull / Deck Construction Details:

Carbon epoxy pre-preg Nomex core sandwich deck and hull with selected use of foam coring in the forward 'slamming' areas. Vacuum-bagged throughout with carbon/foam infused interior structures.

- Monocoque type forward of the mast for ease of sail handling.
- Structure to ABS Offshore Racing Guidelines.
- Suitable for offshore racing.

Interior Layout:

The interior arrangement has been simplified to its racing functionality. Structural detailing has been reviewed to reduce weight and maintain reliability. The resulting weight savings have been used to congregate weight centrally in the boat to reduce pitching inertia and allow some exchange of volumes between appendages and hull. There is a three burner stove and ice box are in the main salon, head and lavatory sink are forward of the mast.

- Tacking Navigation Table
- Simple, Open, Clean, and Lightweight.

Electronics / Navigation:

Ockam Grand-Prix instrumentation package
(custom designed and installed by Custom Offshore, Ltd.)

• 5 jumbo mast displays	• 2 multi-function cockpit displays
• Load Cell	• String Pot sensor - Headstay & Rudder
• Ockam-Soft package	• Icom VHF

Deck Gear:

Deck layout and cabin geometry have been designed to give working space for critical racing maneuvers and sail changes and provide deck areas for efficient sheeting. A twin pedestal arrangement provides the necessary crew horsepower input for gybing and other racing maneuvers. Aft topsides at the transom have been whittled away to save weight and move the aft boundary of the working deck further forward. The wheels are set well outboard to give the helmsman the most effective driving position.

- Harken, Spinlock - all Grand-Prix deck hardware

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Winch Package:

Harken Carbon Fiber Grand-Prix winch package

- | | |
|--------------------------|-------------------------------------|
| • Linked pedestal system | • Primary winches 1:2.4 w/overdrive |
|--------------------------|-------------------------------------|

Rig & Rigging:

The rig is a fairly standard 20-degree swept spreader layout with a freestanding topmast without the “cathedral” style stay support system. The stay envelope has been carefully set out to achieve the most efficient sheeting of the overlapping code zero upwind sail. The mast has been designed to class rule minimum weight and VCG height.

- | | |
|--|-------------------------------------|
| • Hall Spars custom Grand-Prix rig package – (details attached) | |
| • 2 spinnaker Poles | • 4 Jockey Poles |
| • Hydraulic headstay, backstay & outhaul w/quick release at steering pedestals | |
| • Custom Quad-Hydraulic panel w/2-speed pump - port & starboard | |
| • Custom non-adjustable carbon fiber spreader bars | |
| • Harken Carbo Head-foil | • Spare Tuff Luff head-foil |
| • Light-air running rigging package | • Heavy-air running rigging package |

Sail Inventory:

North Sails Grand-Prix Racing Inventory. (Multiple spares for each sail)
3DL Carbon Mainsails & Headsails

Year	Sail	Year	Sail
2006	Offshore Mainsail (MA3)	2005	90% #4 Jib (4A)
2006	Inshore Mainsail (MA4)	2006	90% #4 Jib (4B)
2006	105% Drifter Jib (DA)	2005	Masthead Code Zero (A0A)
2006	105% Light Jib (LB)	2006	VMG Asymm (A1C)
2006	105% Light Jib (LC)	2006	VMG Asymm (A1D)
2006	105% Medium Jib (MC)	2005	AP Runner Asymm (A2E)
2006	105% Heavy Jib (HB)	2006	AP Runner Asymm (A2F)
2006	105% Heavy Jib (HC)	2005	AP Reacher Asymm (A3A)
2006	105% Light Jib (LD)	2005	Hvy Runner Asymm (A4A)
2006	105% Medium Jib (MD)	2006	Hvy Runner Asymm (A4B)
2005	Masthead Genoa (0A)	2005	Hvy Reacher Asymm (A5A)
2005	Jib Top (JTA)	2005	Jib Staysail (JSA)

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2005	Storm Jib (SJ)	2005	Spinn Staysail (SSA)
2005	Storm Trysail (ST)		

Spares & Other Features:

RUSH X features a complete set of spares for support of a Grand-Prix racing program.

RUSH X includes a 20' shipping container with all of the gear properly stored and tagged and is lying in Castellon, Spain.

• In-shore Rudder	• Off-shore Rudder
• Complete set of winch spare parts	• Spare pulpit & pushpit (Aluminum)
• Category 4 Safety Gear (no rafts)	• Single-point lifting strop
• Fenders & Docklines	• Deck Covers
• Custom fitted High / Low Cradle with keel stowage	

Race Results:

Year	Event
2005	1 st Place 2005 IRC East Coast Championship
2005	1 st Place TP52 Midwinter Championships
2006	2 nd Place Key West Race Week
2006	5 th Place Rolex TP52 Global Championship

Additional Comments:

Appendage research and design applied the latest tools available to create better fin, bulb and rudder geometries. Great care was taken to position these relative to the rig to provide workable balance over a wide range of sail configurations and wind strengths. Bulb shapes have benefited from our previous wind tunnel, CFD and tank work for Volvo Round the World Race projects plus some new studies to make the fin and bulb complement each other for better lift/drag production.

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RUSH X
Transpac 52
Farr Yacht Design # 585

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