



G-Force
YACHTS

Go over the edge
and discover
the **X-factor** of
G-Force Yachts

The G-Force X-Treme 37

- Introduction
- Design
- G-Force X-Treme 37 & America's Cup
- IRC rating
- Cape to Bahia 2006
- Polar diagram
- Specifications
- Prices & extra's
- Contact details



G-Force
YACHTS

Introduction

Amongst the first production yachts of its kind, this extraordinary performer is built using technology previously only used for one-off custom yachts.

This ground breaking methodology results in a powerful, super-fast, one design race yacht, with uncompromising up and down wind capabilities.

The yacht is designed for maximum thrills and excitement while remaining simple to sail, in both inshore and ocean racing events.

With a carbon interior, carbon spars and without running backstays, the G-Force X-Treme 37 is at the cutting edge of performance racing!



Design

Designed by the world-renowned yacht designers, Reichel-Pugh Yacht Designs and built in Cape Town, the G-Force X-Treme 37 was conceptualised by renowned yachtsman, Geoff Meek. Meek is the skipper for South Africa's America's Cup Challenge Yacht, Shosholoza

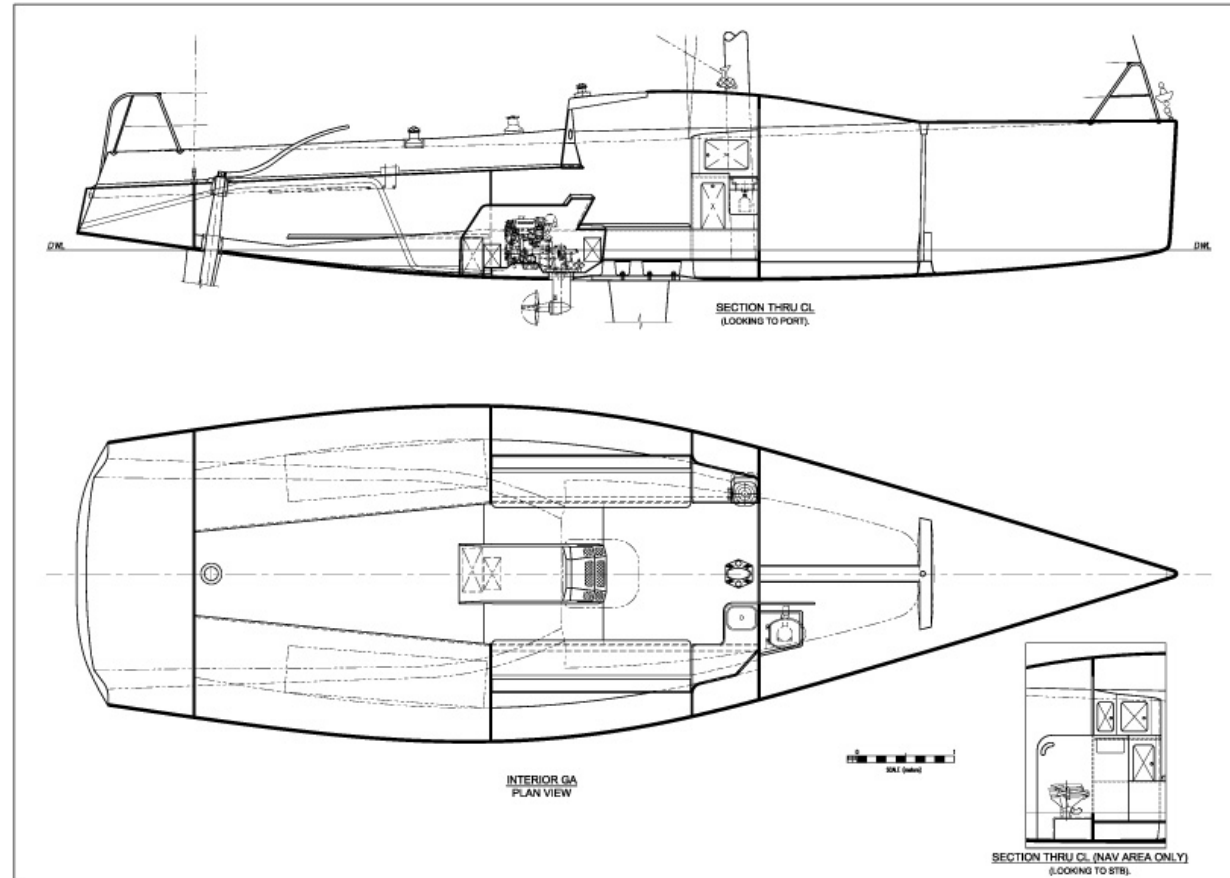
"Design 142" by Reichel-Pugh now launched by G-Force Yachts as the G-Force X-Treme 37



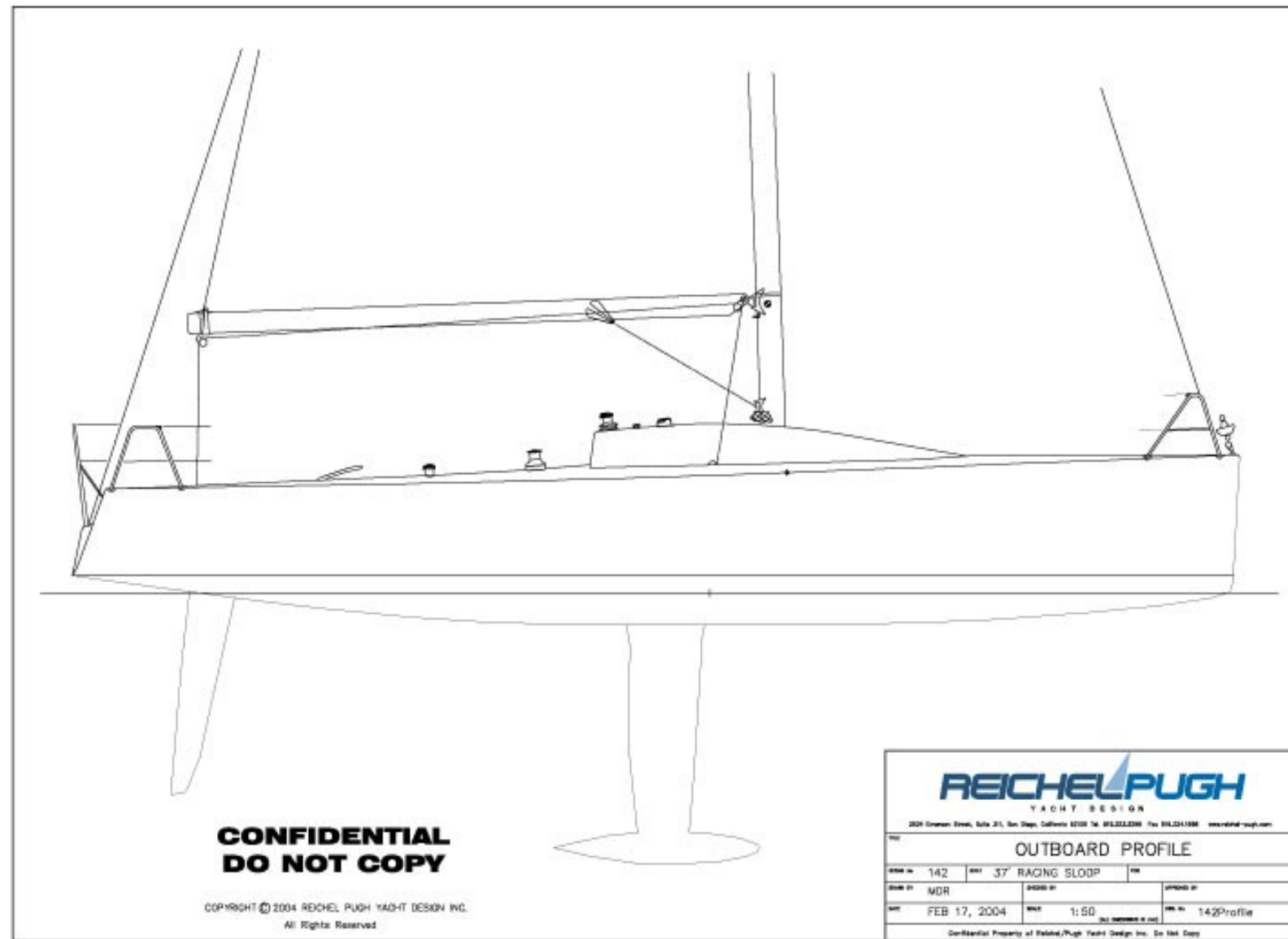
Design

Brief to the Reichel-Pugh design team was that the yacht be not only robust and long lasting, but also really simple to sail. Hence, the yacht is totally uncompromising in terms of fun, thrills and excitement.

This 37-foot production Fixed Keel Racer is built entirely in carbon, including the mast, boom, spinnaker pole and even the interior, while state-of-the-art specifications have demanded that only the highest quality and most exotic materials available have been used throughout.



Design



**CONFIDENTIAL
DO NOT COPY**

COPYRIGHT © 2004 REICHEL PUGH YACHT DESIGN INC.
All Rights Reserved

REICHEL PUGH
YACHT DESIGN
2007 Greenway Street, Suite 211, San Diego, California 92108 Tel: 619.533.2288 Fax: 619.534.1586 www.reichel-pugh.com

OUTBOARD PROFILE

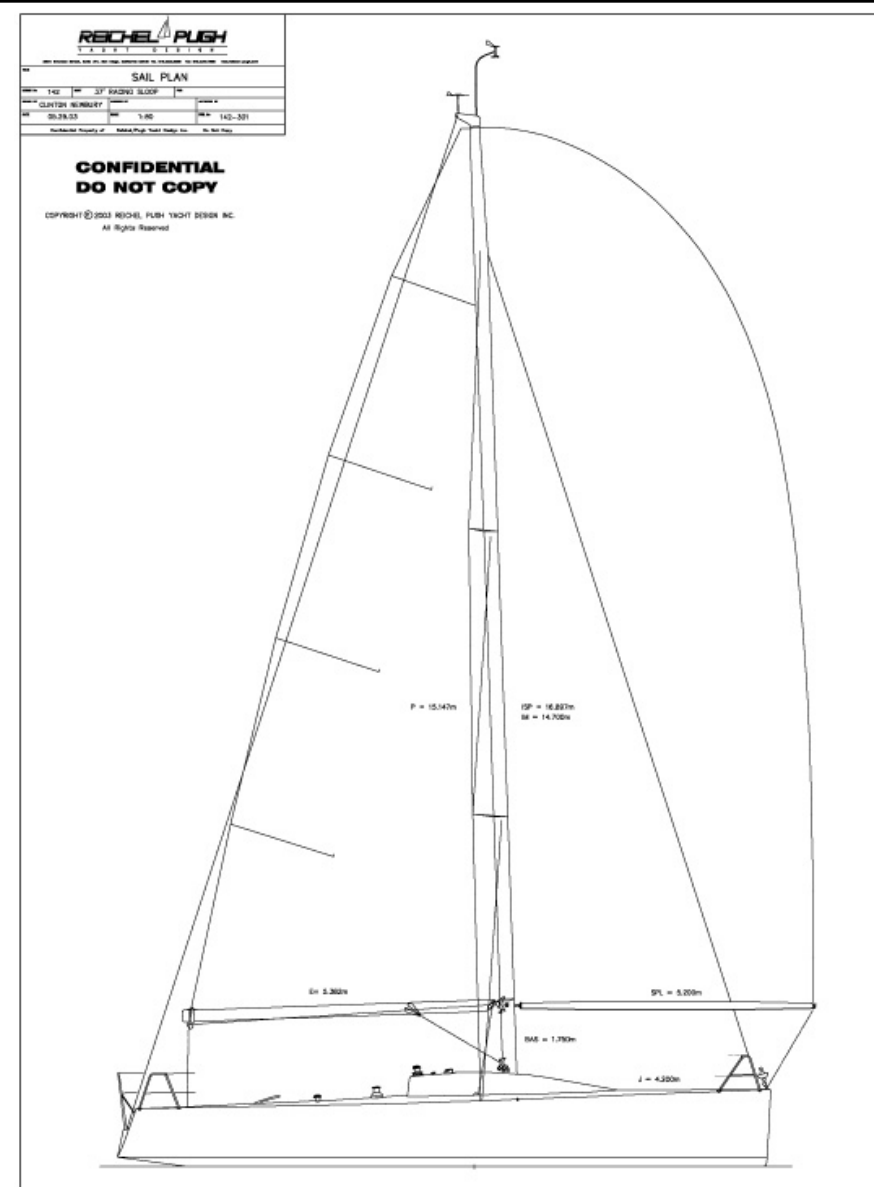
PLAN NO.	142	NAME	37' RACING SLOOP	DATE	
SCALE	MOR	DESIGN BY		APPROVED BY	
DATE	FEB 17, 2004	SCALE	1:50	FILE NO.	142Profile

Confidential Property of Reichel/Pugh Yacht Design Inc. Do Not Copy

Design

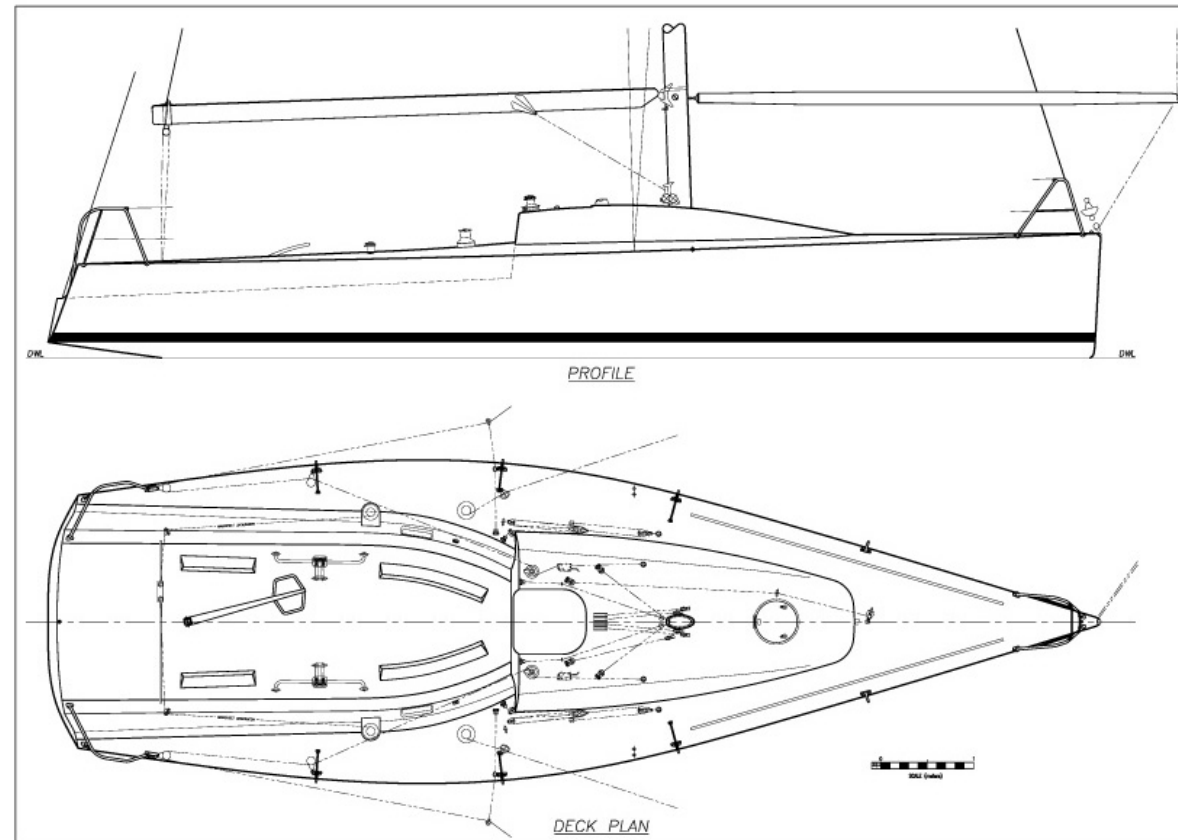
The objective behind producing a yacht of this kind was to provide a light, super-fast, extremely easy to sail yacht, which is undoubtedly a world-beater in its segment of the market.

Although only 37 feet in length, weighing only 3550 kilograms and with a ballast ratio of close to 60%, this racing yacht holds her own against the best. Being smaller in size, the yacht is both economical and affordable, yet is proven to be on the winner's podium at all the International racing events, be it in round-the-buoys or ocean racing.



Design

The deck layout is standardised and streamlined to a degree of such supreme simplicity that it will be an absolute pleasure to step aboard and cast off. The design also allows for easy interior layout conversion for either day sailing or ocean races.



Award-winning Yacht Designers, Reichel-Pugh

Reichel-Pugh designs' hold the following race records:

2005 Wild Oats, Sydney-Hobart race 1d, 18h, 40m, 10s

2005 Carrera, Ft. Lauderdale to Key West race 10h, 2m, 24s

2005 Titan, Pineapple cup, 2d, 10h, 2m, 24s

2005 Morning Glory, Centennial 6d, 16h, 4m, 11s

2003 Alfa Romeo Giraglia Race, St. Tropez, France 22h, 13m, 48s

2003 Pegasus San Francisco - Catalina Coastal Race 1d, 2h, 24m, 39s

2003 Pyewacket Newport - Ensenada Race 10h, 44m, 25s

2003 Zephyrus V Miami - Montego Bay Race 2d, 23h, 5m, 57s

2003 Wild Oats Pittwater - Coffs Harbour Race, Aus. 18h, 29m, 14s

2002 Pyewacket Chicago - Mackinac Race 23h, 30m, 24s

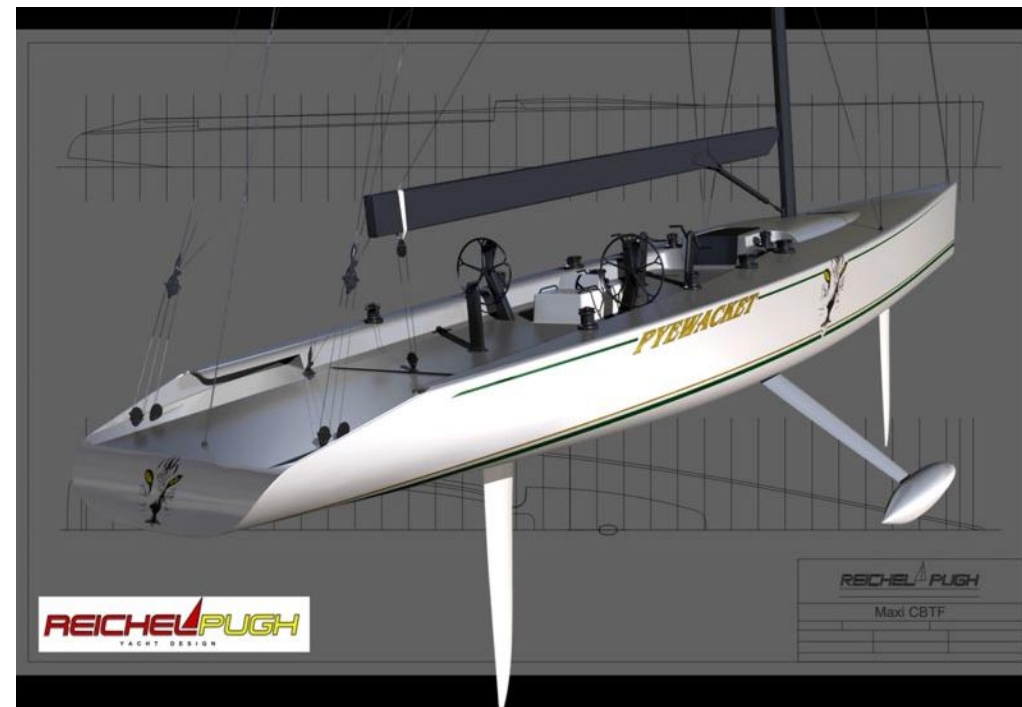
2002 Pyewacket Newport - Bermuda Race 2d, 5h, 39m, 22s

2001 Leopard Round the Isle of Wight Race 4h, 5m, 40s

2000 Zephyrus IV Middle Sea Race 64h, 49m, 57s

2000 Zephyrus IV Cape to Rio Race 12d, 16h, 49m, 16s

The Reichel-Pugh design team truly represents a new class in yachting design standards, consistently achieving excellence and a performance pedigree of a new category of speed, style, and comfort.



MaxZ86 Canting Ballast Racer Pyewacket



G-Force X-Treme 37 & America's Cup

G-Force X-Treme 37 & America's Cup

After a long time of preparation South Africa decides to enter with their "Team Shosholoza" in the coming prestigious America's Cup 2007!

The training sessions started and Team Shosholoza has chosen for a yacht to train handling, speed and teambuilding.

For all these qualities, Team Shosholoza is now using: The G-Force X-Treme 37. Geoff Meek who, was conceptualised involved by the building and development of the G-Force X-Treme 37, is the skipper for South Africa's America's Cup Challenge Yacht, Shosholoza



Team Shosholoza using the G-Force X-Treme 37

IRC Rating



IRC Rating

With close to a 60% ballast ratio, the yacht will surf at speeds in excess of 25 knots. There are no running back stays and no overlapping headsails.

The result is a very powerful, super-fast racing yacht, downwind and upwind - ideal for both inshore and trans-ocean racing events.

The G-Force X-Treme 37 boasts an IRC rating of 1.175.



Cape to Bahia 2006



Cape to Bahia 2006

One of yachting's greatest challenges, The South Atlantic Race (formerly the Cape-to-Rio) kicked off at the 4th of January 2006. In past years the event has been from Cape Town between Rio de Janeiro as well as Punta del Este, Uruguay, but in the true spirit of exploration and adventure, a new destination had been chosen for the 11th race for the South Atlantic Trophy: Salvador the Bahia, Brazil.

With 15 yachts in the IRC fleet, "Windsong", the G-Force X-Treme 37, sailed from Cape Town to Salvador the Bahia, covering 3.423 nm in 16 days, 2 hours, 46 minutes and 36 seconds with an average speed of 8.80 kts, a maximum surfing speed measured of 26.70 kts and a maximum 24 hour run of 306 nm!

Results: Winner of the South Atlantic Trophy, taking line honours and 1st place in the IRC ranking.

An amazing achievement beating yachts much bigger in size. The 3.550 kg fixed keel racer with it's modest 37 feet was practically the smallest yacht in the fleet!

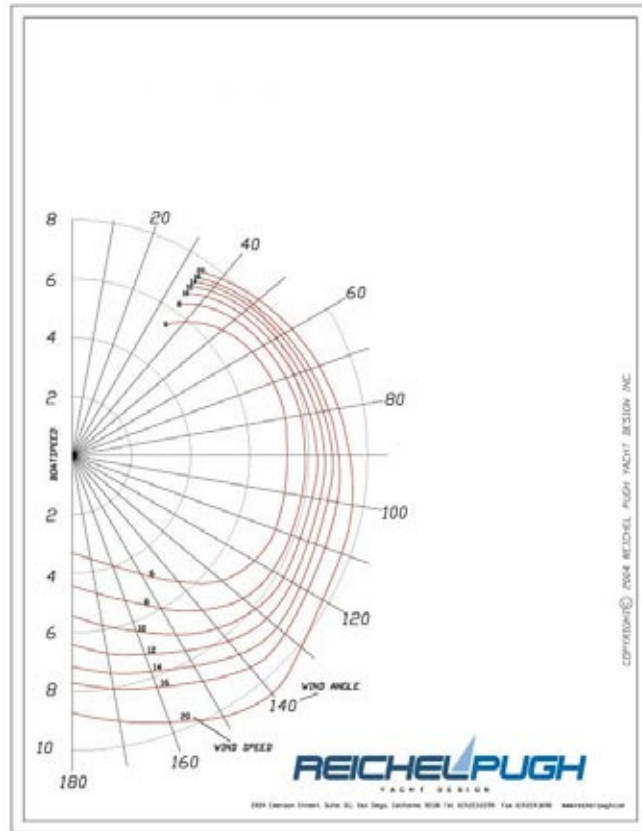


"Windsong" taking line- and handicap honours in Salvador the Bahia

Cape to Bahia 2006 (facts & figures)

Yacht name	Yacht type	Line honours Position	IRC Position	Elapsed time	(IRC) corrected elapsed time
Windsong	G-Force X-Treme 37	1	1	16d, 02h, 46m, 36s	19d, 02h, 43m, 01s
Polo Sport Gumption	Fast 40	2	2	17d, 01h, 42m, 19s	20d, 13h, 17m, 06s
Suidoos II	RCOD	13	3	26d, 11h, 24m, 38s	20d, 18h, 30m, 38s
MTU Fascination of Power	Fast 42	4	4	19d, 09h, 47m, 42s	21d, 07h, 36s, 38m
Mamelie	Judel Vrolijk	6	5	19d, 15h, 19m, 06s	21d, 09h, 15m, 57s
Devondale Broadreach	L 35	3	6	19d, 01h, 58m, 46s	21d, 17h, 38m, 18s
Gilly B	Beneteau First 47.7	5	7	19d, 14h, 12m, 52s	21d, 20h, 45m, 33s
HocusPocus	Farr 38	12	8	22d, 08h, 21m, 22s	22d, 03h, 31m, 44s
African Renaissance	Farr 40	10	9	21d, 07h, 26m, 18s	22d, 15h, 08m, 51s
Unzipped	Pacer 42	9	10	20d, 14h, 48m, 33s	23d, 10h, 06m, 12s
Maestro	Fast 42	11	11	21d, 23h, 47m, 19s	24d, 05h, 05m, 42s
Auto Atlantic Thundercild	L 52	7	12	20d, 00h, 09m, 47s	24d, 08h, 50m, 18s
Unleashed	Pacer 42	8	13	20d, 14h, 41m, 09s	24d, 13h, 39m, 55s
Argonaut	Stadt 47	14	14	(overtime)	(overtime)
Promoto Impex	Farr 38	15	15	(overtime)	(overtime)

Polar diagram



	6 kts	8 kts	10 kts	12 kts	14 kts	16 kts	20 kts
36	5.52	6.34	6.78	7.06	7.26	7.41	7.65
40	5.91	6.67	7.04	7.29	7.47	7.61	7.83
45	6.32	6.96	7.28	7.51	7.68	7.82	8.04
52	6.73	7.25	7.54	7.75	7.92	8.06	8.30
60	7.03	7.49	7.76	7.97	8.15	8.30	8.58
70	7.24	7.70	7.98	8.20	8.40	8.58	8.89
75	7.30	7.80	8.07	8.30	8.51	8.70	9.02
80	7.32	7.86	8.15	8.40	8.62	8.82	9.16
90	7.27	7.89	8.29	8.55	8.81	9.02	9.40
110	7.32	7.87	8.21	8.50	8.77	9.11	9.70
120	7.12	7.82	8.26	8.59	8.90	9.19	9.79
135	6.12	7.23	7.89	8.45	9.00	8.48	10.38
150	4.64	5.58	7.01	7.65	8.24	8.84	10.22
165	3.74	4.96	6.08	7.00	7.64	8.19	9.37
180	3.30	4.40	5.43	6.40	7.15	7.71	8.73
Up.Vs	5.96	6.45	6.69	6.87	7.01	7.12	7.29
Up.Bt	40.60	37.20	34.90	33.40	32.30	31.40	30.10
Up.Vmg	4.53	5.14	5.49	5.74	5.93	6.08	6.30
Dn.Vs	6.07	6.65	7.01	7.10	7.62	8.17	9.53
Dn.Bt	135.50	143.20	150.00	162.40	165.90	165.80	162.20
Dn.Vmg	4.33	5.32	6.07	6.77	7.39	7.93	9.08

Specifications

Hull:

All carbon, foam core by SP systems.

Gelcoat topsides, epoxy below waterline.

Deck:

All carbon, foam core. Epoxy nonslip. Hull/deck flush bonded with carbon.

Bunks:

4x tilting solid. Aft 2 can move forward as backrest when day sailing.

Galley:

Removable carbon sink. 1 Gimballed gas burner. Chart area to accept instruments. Fitted flush toilet. Soft fitted 8 compartment clothing locker.

Deck:

Lewmar winches (6) and hatches (3). Harken blocks and tracks. Stainless steel pulpit, pushpit and stanchions. Under-deck mainsheet, backstay and main traveller.

Keel:

High-tensile steel foil with lead bulb. Epoxy coated.

Rudder:

All carbon foil, stock and tiller with self-aligning bearing. Epoxy coated.

Mast / boom & spinnaker pole:

Southern Spars all carbon. Mast with 2 sets carbon swept back spreaders. Backstay, no runners. All disconnected rod rigging. Tuff luff on forestay.

Rigging:

Running rigging supplied to the highest racing quality.

Engine:

Yanmar 18HP sea cooled with Gori racing propeller. Fitted fuel tank

Electrical:

2 separate battery systems. 5x interior lights. 3x nav lights. Steaming light. Dual battery switch. Main distribution panel.

Specifications

LOA	: 37,00 ft	11,30 m
LWL	: 33,00 ft	10,06 m
Beam	: 11,32 ft	3,48 m
Draft	: 8,65 ft	2,64 m
Displacement	: 7.830 lbs	3.550 kg
I	: 48,23 ft	14,70 m
J	: 13,78 ft	4,20 m
ISP	: 55,45 ft	16,90 m
SPL	: 17,06 ft	5,20 m
P	: 49,70 ft	15,15 m
E	: 17,66 ft	5,38 m
Engine	: Yanmar 2GM20 Sail drive	
Rig	: Fractional, swept spreaders non overlapping jib.	
Construction	: Vacuum bagged prewet carbon herex foam core	
Composite Eng.	: DKI Structures Tiverton. R.I. U.S.A.	



Specifications

Sail	Luff	Lp/foot	Area
Mainsail	15.180	5.330	51.68 m2
Light #1 Jib	14.830	4.470 (Lp)	34.10 m2
Heavy #1 Jib	14.830	4.470 "	33.80 m2
#2 Jib	12.530	4.260 "	26.90 m2
Storm Jib	7.000	3.100 "	11.30 m2
MH Code 0	16.600	5.910 (Ft)	63.80 m2
MH Runner 2S	17.900	8.90 (SF) 9.00(SMG)	Area = 141.4 SPA=128.6
MH Reacher 3S	17.600	8.58 (SF) 8.04(SMG)	Area = 124.4



G-Force
YACHTS

Powered by



Prices & Extra's

G-Force X-Treme 37		€	202.500,-
Boat cradle (keel up and/or down)		€	3.650,-
Anti fouling; Graphite racing	€	€	1.435,-
Extra hull stripes (each)		€	825,-
Safety gear to SAS category 3	€	€	975,-
Wheel steering : 3 spoke carbon wheel 1.83m diameter with carbon quadrant		€	7.975,-
Instruments : B&G Hydra 2000 with vertical carbon mast wand. Fitted	€	€	11.500,-
Sails : North Sails kevlar panelled main, 4x Jibs, 2x nylon spinnaker	€	€	25.500,-
VHF transmitter	€	€	275,-
Sound system - fitted	€	€	585,-
Deck cover, Acrylic canvas	€	€	1.350,-
Cockpit bags with winch handle pockets x 4	€	€	195,-
Boom cover, acrylic canvas	€	€	345,-
Tuff luff cover	€	€	115,-
Lifeline padding		€	180,-
Anchor and mooring equipment		€	1.950,-

Prices all exclude VAT and transport from Cape Town, South Africa

Prices subject to change without notice.

Contact details

G-Force Yachts

Mattensteiger 2

3311 BL Dordrecht

The Netherlands

Tel. : +31 (0) 640 599 478

Email : info@g-forceyachts.com

Internet : www.g-forceyachts.com



G-Force
YACHTS