

Wally Power 118

A RC-Powerboat by YACHTPRINT, Chris Angelduro

Version 1.1, 012/2025



The Wally Power 118 is a groundbreaking motor yacht, measuring 36 meters or 118 feet in length. Powered by three gas turbines delivering a combined output of ca. 16,800 horsepower, it was conceived for exceptional speed and performance. Its futuristic, angular design and carbon-fiber construction set it apart from conventional yachts. The Wally Power 118 remains a symbol of innovation, extreme power with a bold, minimalist aesthetic.



The RC yacht features the same powerful appearance and staggering driving aesthetics with the lifted bow and elegance yet brutal aesthetic. At a 1:36 scale, the model measures 1 meter in length, making it easy to handle while still being large enough for effective driving. It can be equipped with either a small jet drive unit or a single-propeller gear system, and achieves full speed using a 2S Lipo battery.

TECHNICAL DATA of the model:

Scale	1:36 the model can easily be scaled up	Length	1.000 mm
Weight	0,98 kg without battery	Width	250 mm
Print plate	205x205x220 (minimum size for x/y/z)	Hull	ABS, PETG, PLA-HT, etc.
Motor	380 brushless, 540 brushed/brushless	Battery	2-3s Lipo

In addition to the printable components, you will need the following parts:

- 2-channel RC transmitter and receiver system
- Standard sized servo for the rudder
- Classical drive unit with a 150mm long shaft and a 540 sized electric motor
or
- Small jet drive unit with max 30mm diameter and max 70-80mm long suction cage
- ESC controller 40-60A and a 2S Lipo battery

You will find a link list for material and components at [www.YACHTPRINT.de/3D YACHT Construction](http://www.YACHTPRINT.de/3D%20YACHT%20Construction)

3D PRINTING

For printing hulls, use PETG or ABS/GF if possible. The boat isn't sensitive to weight, so you can try different filaments like PLA/HT (high temperature) as well.

Segments HULL 1 - HULL 4: These hull segments are solid-body STL files, so you need to make them hollow by setting the infill percentage to zero. Print each segment vertically with two walls and set the top and bottom layers to 3-4. This process will give you closed segments that are hollow inside.

Stern Segment HULL 5 should be positioned on the flush side, utilizing a 10% Lightning infill to ensure accurate printing of both horizontal and stern faces.

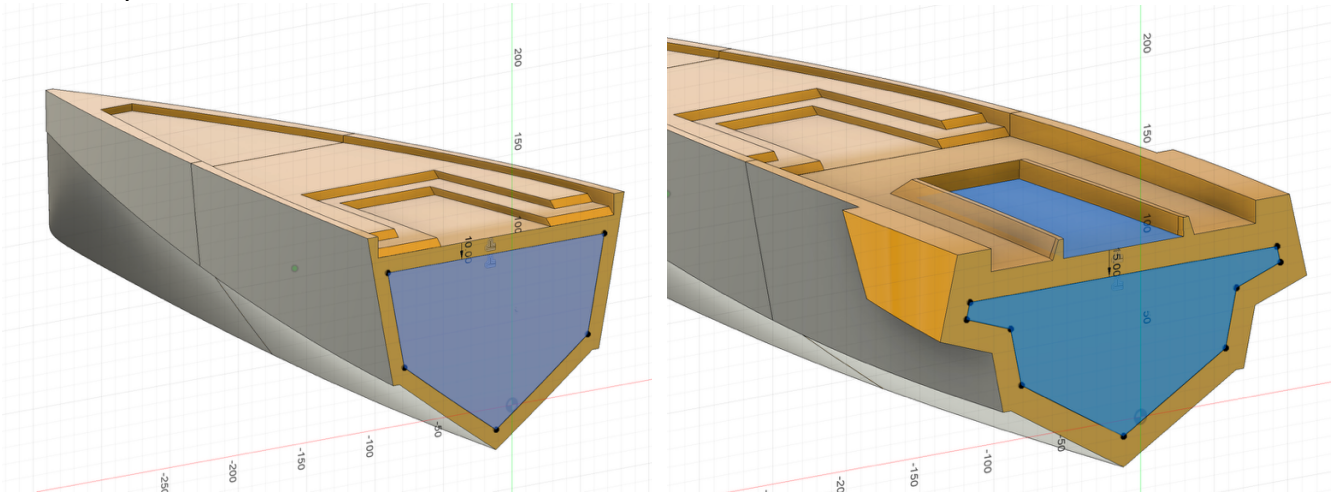
The two CABIN parts are printed sitting on their upper (roof-) surface with an infill of e.g. 7-10% gyroid

All other parts should be printed with 4–6 perimeters or walls to enhance overall strength

3D printed parts list	Material	Infill	Quantity	comment
10 HULL <i>(all printing parameters are suggestions, nozzle 0.4, normal mode)</i>				
HULL 1.stl	PETG, PLA-HT, ABS/GF	0%	1	
HULL 2.stl	PETG, PLA-HT, ABS/GF	0%	1	two walls with 0.4
HULL 3.stl	PETG, PLA-HT, ABS/GF	0%	1	nozzle
HULL 4.stl	PETG, PLA-HT, ABS/GF	0%	1	
HULL 5.stl	PETG, PLA-HT, ABS/GF	10% Lightning	1	print towards stern
20 CABIN/HATCH				
CABIN backw.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
CABIN forw.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
30 RC & RUDDER				
MOTOR MOUNT.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
RC BOARD.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
RUDDER BASE.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	increase number
RUDDER BRACKET.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	of walls for strength
Rudder Servo Mount.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
RUDDER.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
40 BOAT STAND				
front.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
left.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
rear.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	
right.stl	PETG, PLA-HT, ABS/GF	7% gyroid	1	

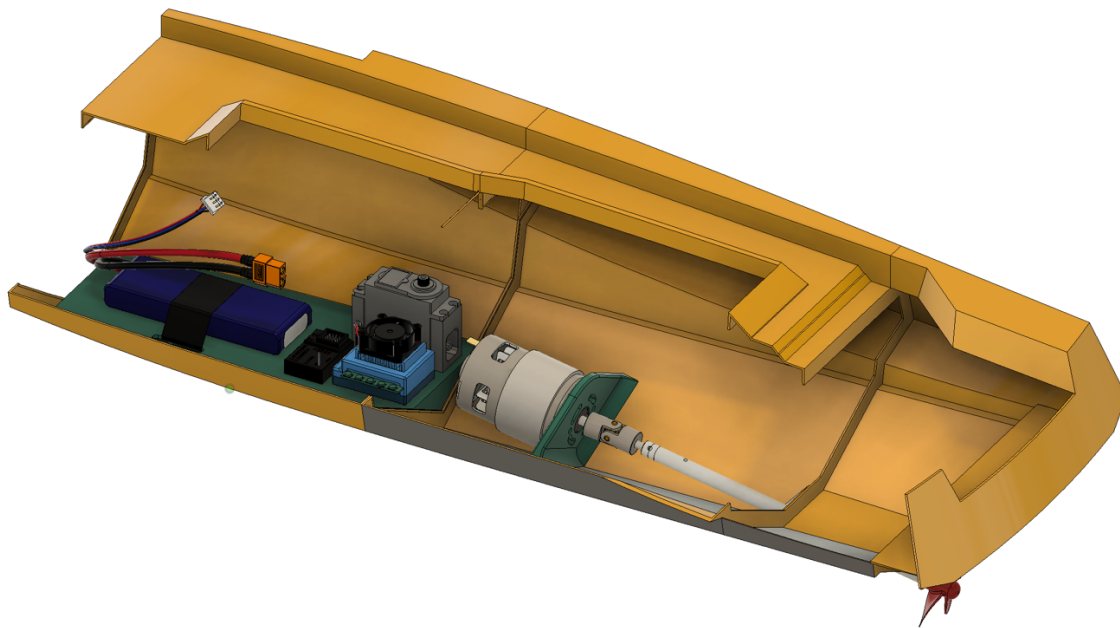
ASSEMBLY

The inner portions of the vertical mating surfaces of the hull segments are removed using a hot knife, leaving a 10mm flange to serve as the bonding interface. Additionally, the opening for the hatch must be accurately cut out.



The blue areas are cut out in order to allow potential water to pass.

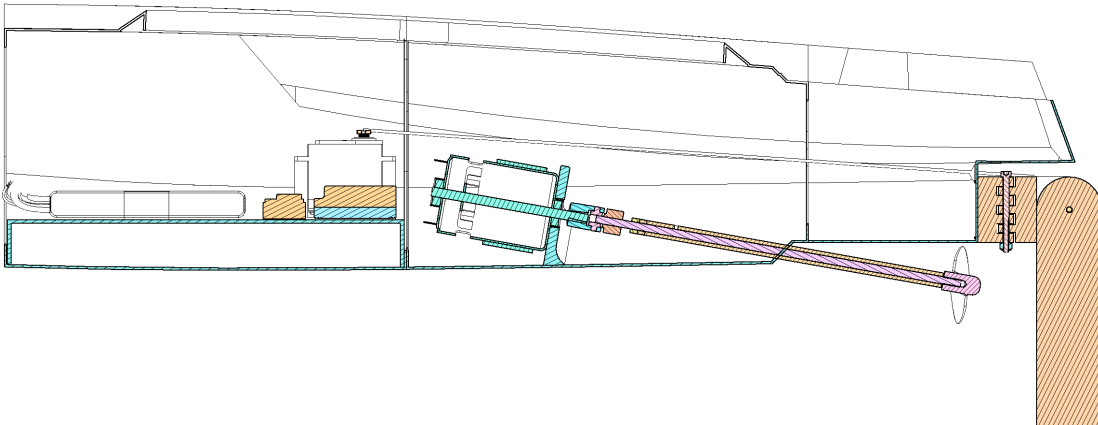
The segments can then be glued together. Install the RC-BOARD as shown in the picture (green). You can then either install a classical propeller drive unit or a jet drive (see also further below).



For the prop drive: glue the servo mount for the rudder servo on the right, rear side on the RC Board. A wire is run from the servo through a 10mm hole in the rear wall of the hull to the rudder arm. The ruder is glued AND screwed in the middle of this rear wall.

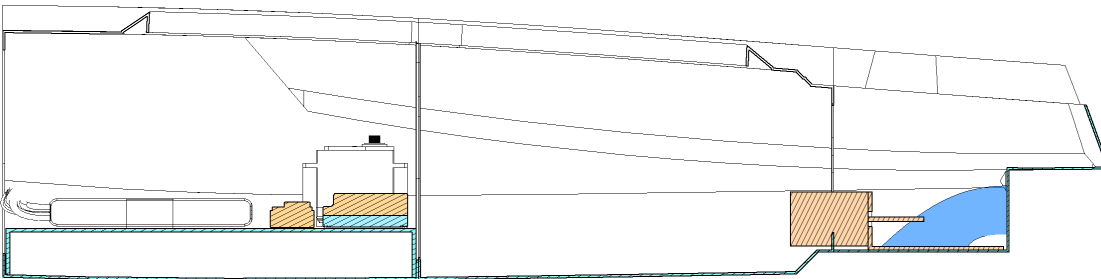
The motor is screwed to the motor mount and fitted to the hull with the prop shaft mounted. The prop shall not exceed the vertical rear end of the hull in order to have some distance to the rudder.

You can customize the Motor Mount and RC Board using the STEP-file in the file package (e.g. if your motor has different screw hole-positions)



Classical propeller assembly with a 150mm shaft and the rudder

For the jet drive: usually the rudder servo is attached to the jet drive unit directly, such as the motor. Cut out the corresponding flat surface as water inlet and you may also cut away a bit of the flange between the hull segments 4 and 5



The jet drive unit doesn't need a rudder. Usually the steering servo is attached to the unit

EXEMPLARY SHOPPING LIST for the power drive unit either with prop or as jet

Rc Boat Rudder Parts

RC Boat 380 Motor with Shaft+Propeller Kit Shaft Assembly Spare Parts for DIY RC Electric Boat Length L8/10/13/15/20/25/30/35cm

★★★★★ 4.8 14 Reviews | 43 sold

12,49€

Wholesale 3+ pieces, extra 5% off

Price includes VAT

Color: L15cm Shaft

L8cm Shaft	L10cm Shaft	L13cm Shaft	L15cm Shaft
L17cm Shaft	L20cm Shaft	L25cm Shaft	L30cm Shaft
L35cm Shaft			

Rc Boat Jet

1 Set 795 Motor with 4mm Stainless Steel Boat Shaft + Propeller + 480A Brushed ESC + Universal Joint Cooling Tube for DIY RC Boat

by TILKIEA MSQ Official... (★5 | 10,000+ sold)

36,19€ 15% off 42,58€

Wholesale 3+ pieces, extra 5% off

Price includes VAT

up to 6 x 6,03€ with no interest

Color: **L15cm Set**

L10cm Set	L13cm Set	L15cm Set	L20cm Set
L25cm Set	L30cm Set	L35cm Set	

Propeller Shaft Rc Boat

Water Jet Thrust / jet drive pump Propeller with 380 / 2440 motor for RC Model Boat

★★★★★ 5.0 6 Reviews | 31 sold

32,39€ 4% off 34,09€

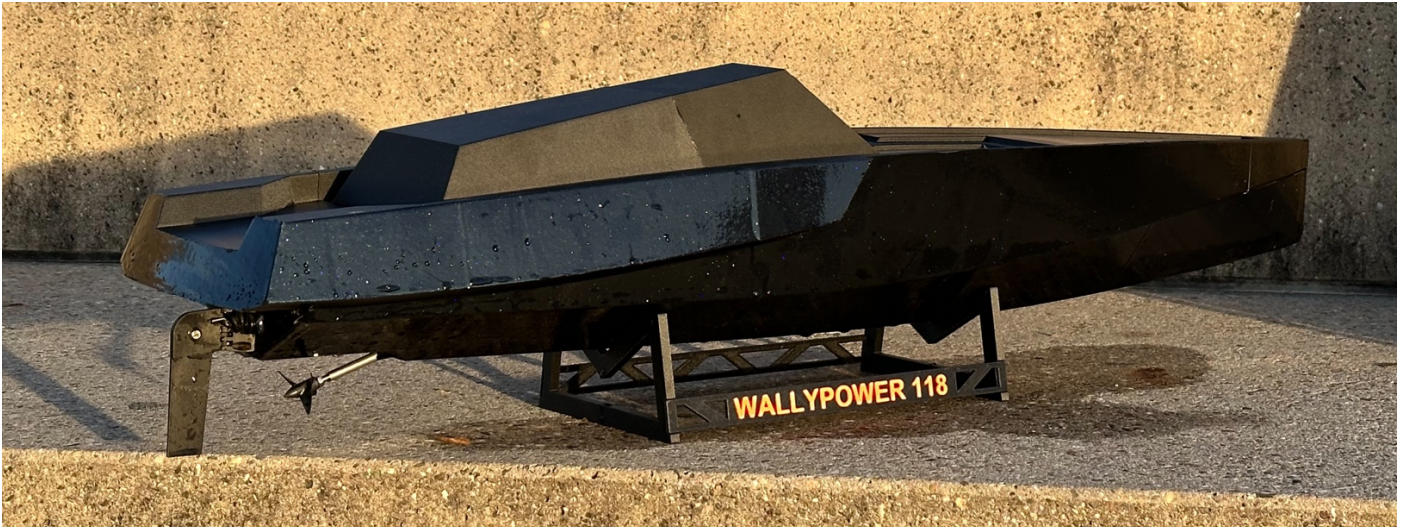
Price includes VAT

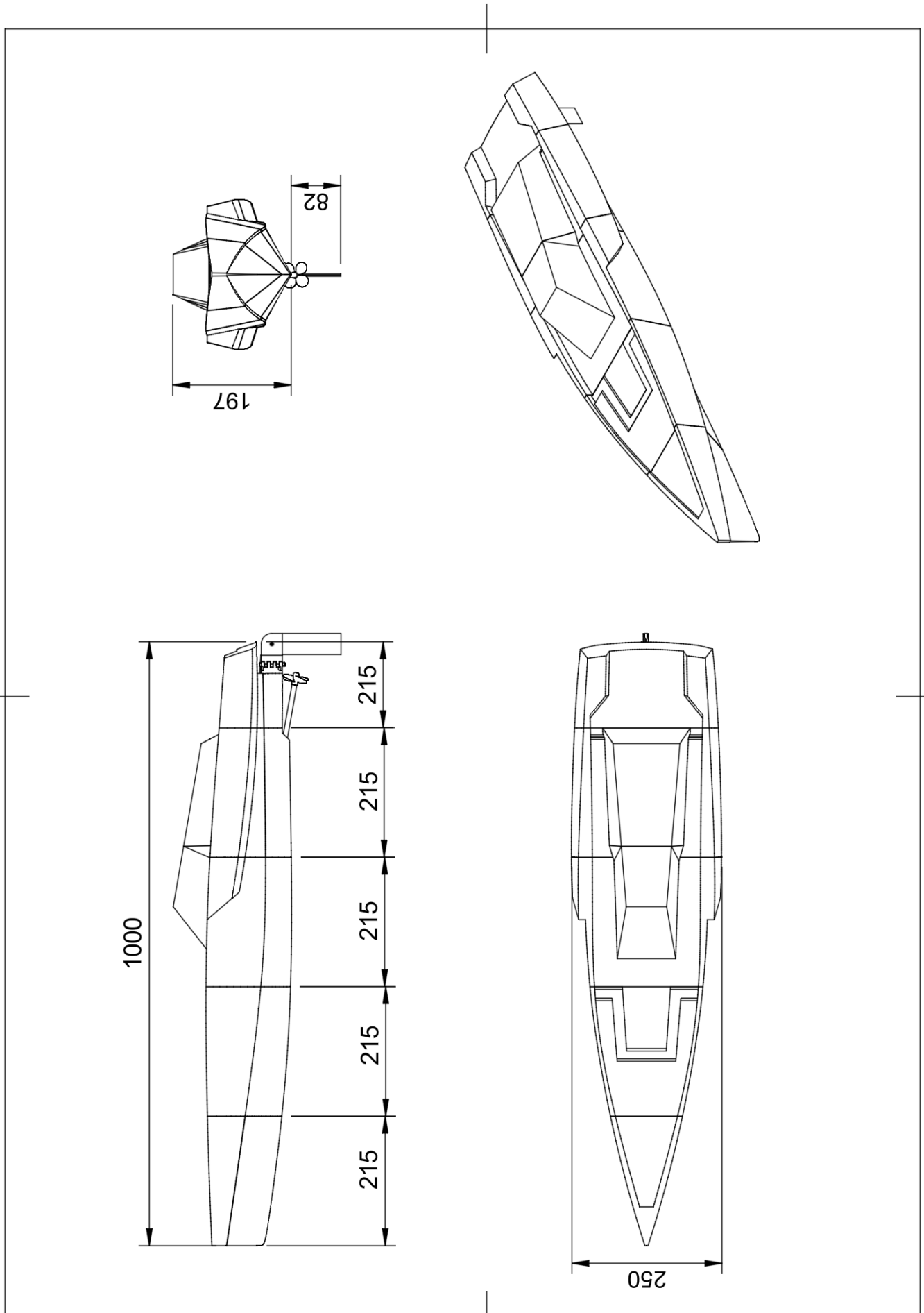
up to 6 x 5,39€ with no interest

8,72€ off over 435,85€

Color: **Combo 5-Black**

Combo 1-white	Combo 5-White	Combo 2- White
Combo 2- Black	Combo 3-White	Combo 3-Black
Combo 4-White	Combo 4-Black	Combo 1- Black
Combo 5-Black		





GENERAL REMARKS

PLEASE DON'T SHARE THE FILES. A lot of genuine work went into it and there are hundreds of scammers selling other people's intellectual property. As I cannot secure this technically, I depend on you.

You purchased a license to print as many boats and parts as you wish for YOUR OWN PERSONAL USAGE.

When you sell a boat, THE LICENSE GOES WITH IT. Please purchase a new license if you have another boat in use or if you want to build another one. If in doubt, just contact me at info@yachtprint.de

You can use third party printing services but PLEASE MAKE SURE THEY DELETE THE FILES after printing.

If you consider building up a fleet, e.g. for club racing, ask me for a VOLUME DISCOUNT starting at 3 units.

If you run into problems, have any questions or If you wish changes to certain parts PLS CONTACT ME.

ACTIVELY post about your project in the Facebook community. I love discussing and gathering new views.

PRINT IT, BUILD IT, SAIL IT and HAVE FUN!

Your

Chris Angelduro
YACHTPRINT

