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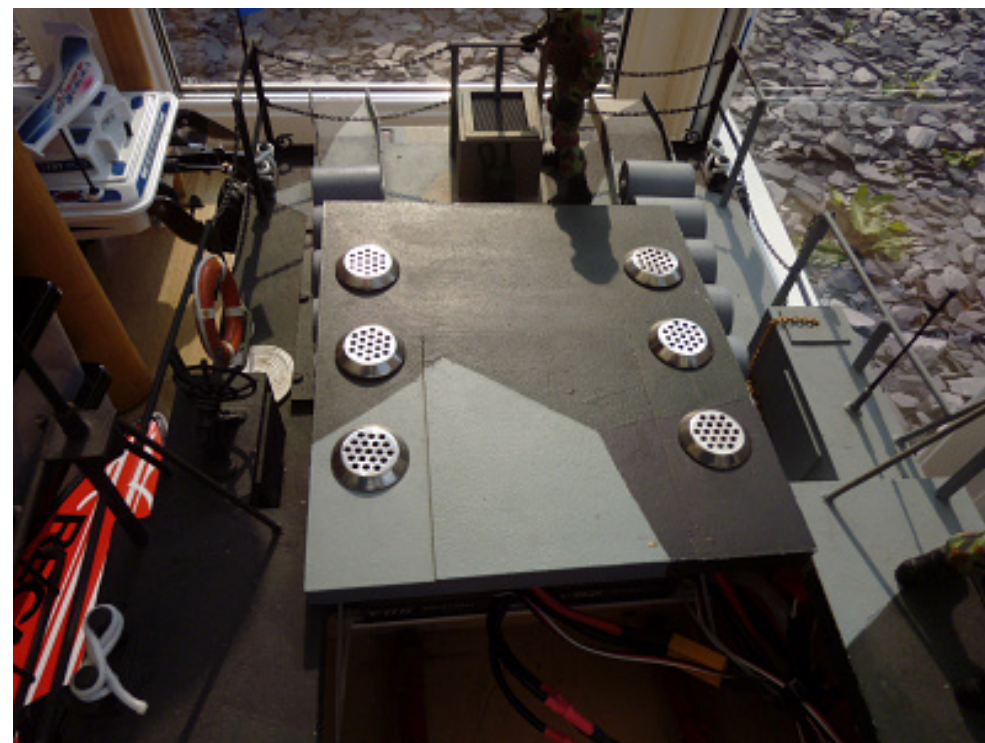
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Command Boat 90

by CB90

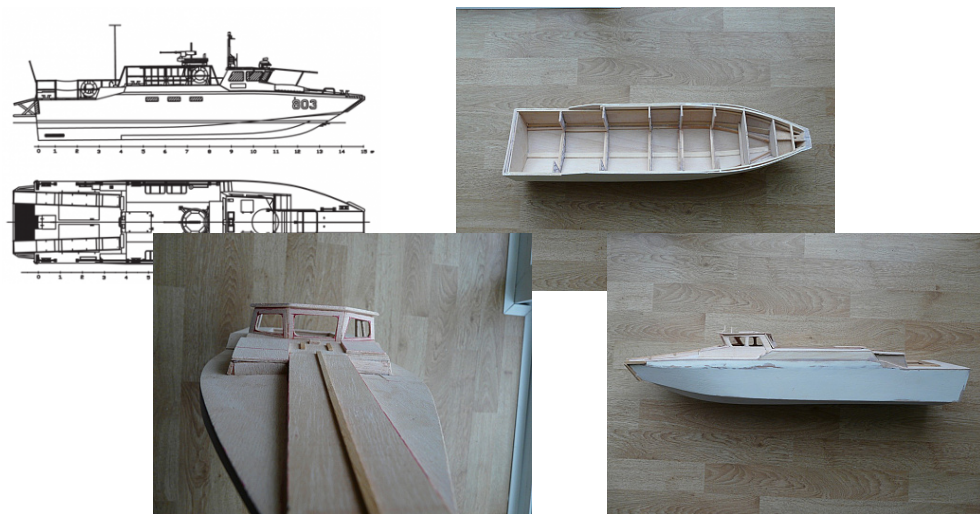


13th Mar 2018

Command Boat 90

Scratch built at 12th scale from pictures and profiles of the internet. The boat was originally built in Sweden a class of fast military assault craft originally developed for the Swedish Navy by Dockstavarvet Speed: 40 knots (74 km/h) Draught: 0.8 m (2 ft 7 in) Length: 15.9 m (52 ft) Overall; 14.9 (48') Complement: 3 (two officers and one engineer); Up to 21 amphibious troops with full equipment Armament: 3 x Browning M2HB machine guns; 1 x Mk 19 grenade launcher; 4 naval mines or 6 depth charges . The Model I was attracted to this boat due to its great performance and maneuverability, this was mainly due to the use of twin water jets as the main propulsion, this is a trade off with efficiency. So my start point was to collect as much information as possible about the boat this involved collecting pictures and profiles of the craft from various sources.

<http://www.dockstavarvet.se/products/combata-and-patrol-boats/combata-boat-90-h/specification/> Eventually I found some plans of sort :- <http://laurell.today/boats/combata/plans.html> My Dad was a boat builder in the days of wooden yachts, and had showed me how to make plans and frames from a line drawing. I went about this first by creating a prototype about 24 in long out of light ply. I then created full size plans of the model to be made. Pictures of small prototype finally painted plain green. The Main model Used my computer to print out the frames onto paper, cut them out and used them as templates for the ply ribs. The construction was simple chine style, with 1.5 mm ply. I tried to build jet drives but failed to produce a effective unit. So reverted to propshafts which worked out well with better control and the boat can spin on it own axis by putting one engine in reverse the other in forward and adjusting the twin rudders. That it for now, hope it was of some interest



24th Jun 2020

Command boat 90 update

2019 have updated drives to dual brushless out-runners High Performance 2826 900KV 14 Poles Brushless Motor and added twin 90A ESCs the craft goes a lot better, And will still spin on its own axis. Added 6 ventilators to the motor compartment hatch, The next phase will be to increase voltage to 14.8v and reduce propeller size. Note gun now rotates and elevates.

