





Thore Berntsson Båtbyggeri AB was founded by Thore Berntsson in 1983. The yard is situated on the Swedish west coast, 25 km north of Gothenburg, close to the island of Marstrand. The company specialises in all types of wooden boat construction and yacht interiors as well as Jennipher.

Jennipher is designed by award winning Swedish designer Ocke Mannerfelt renowned for his innovative thinking and ability to create fast, easily driven, economical hulls. Jennipher is a day cruiser or sport-boat with a design that combines classic lines with modern materials and performance.

The construction and new design have been well-thought out with keywords in the design process such as form, colours and functions. These factors have been interpreted and made reality by Thore Berntsson. The extraordinary

craftsmanship makes for a final product of sheer brilliance, which is stunningly unique with its epoxy laminated mahogany to the very highest standards creating a hull with composite properties and a wooden appearance.









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# Your Composite Partner

DIAB have been much more than a core materials supplier to boatbuilders Thore Berntsson for their "Jennipher" project.

In addition to providing Divinycell core materials, DIAB also supplied the structural reinforcements and SP epoxy resins.

Also DIAB Technical Services personnel provided a range of engineering and process support services. These included on site training and implementation of DIAB Core Infusion Technology<sup>344</sup>.

#### DIAB Sverige AB

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The outer mahogany veneer surface of the hull and deck is created using a unique new production technology exclusively developed by Thore Berntsson. The surface is epoxy coated for maximum strength and durability, before finally being sprayed with two pack polyurethane to give ultimate resistance to ultra violet rays.

The hull and deck are made from glass fibre and epoxy composite, created by a vacuum injection process to optimise the glass content in the laminate, which is subsequently post-cured using a technique evolved when building military vessels resulting in a structure which increases the strength up to 30%.





The fittings and equipment on Jennipher have been selected with great care and consideration in order to fully optimise the final result. A significant part of this process has been to choose suppliers who see Jennipher – not just as a boat – but as a spearhead into the future of high quality and hi-tech boat production, where only the best is good enough.









VOLVO PENTA SETS NEW STANDARDS

The completely newly developed D4 and D6 represent a new generation of diesel engines for Volvo Penta. Their advanced electronic engine control, common-rail direct fuel injection, four-valve technology and turbochargers provide the kind of performance and environmental properties that until now have been considered impossible. Powerful torque is combined with high output and low exhaust and noise emissions. The D4 and D6 will meet the overall environmental requirements planned for Europe and the US in 2006.

The D4 is the smaller of the two with four cylinders and 3.7-liter volume. The engine has a very compact external dimension, with an output of 210 or 260 hp. In terms of performance, the D4 is similar to a V6 petrol-powered engine, while the external dimension is comparable to a V8.

The D6 has the highest output of the Volvo Penta diesel aquamatics. Six in-line cylinders, 5.5-liter cylinder volume and a full 280, 310 or 350 hp output create a performance that is hard to beat.

Both the D4 and D6 are available with Volvo Penta duoprop drive and as inboard engines with hydraulic transmissions. The new Duoprop DP drive is exclusively developed for the D4 and D6, which ensures excellent performance and high reliability. Fully hydraulic servo steering is standard and a completely new range of propellers has been developed. The propellers are constructed from a nickel, aluminum, bronze alloy and are available in nine different sizes for speeds of up to 45 knots. For faster craft, Volvo Penta has developed a DPR drive.

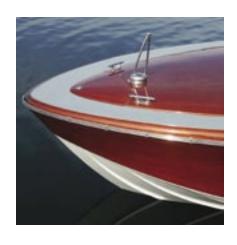






 $E_{\rm xperiencing}$  Jennipher will give a feeling of immense pleasure, where the design will satisfy the eye, experience will enhance the wellbeing and the quality and craftsmanship will shine to the full.







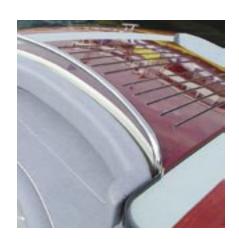


















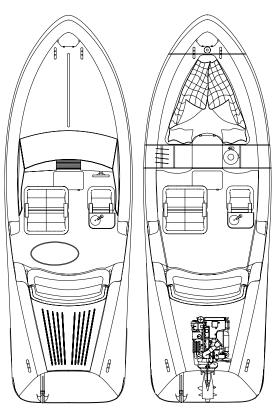




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### **Technical specification**

Length	8.5 m / 28 ft		
Beam	2.6 m / 8.5 ft		
Draught	1.1 m / 3.5 ft		
Displacement	2 600 kg		
Fuel tank	300 l		
Water tank	70 l		
Holding tank (option)	70 l		
CE category	С		
Design	Ocke Mannerfelt Design		



jennipher.se









# Ledande inom faner och ädelträ





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# WIBERG MARINE

**DESIGN & ENGINEERING** 

Congratulations to Thore Berntsson for a very well executed project! Jennipher shines of marvellous craftsmanship!

We contributed to the project with structural engineering, Specification of structural materials and production methods.

WIBERG MARINE • Olofstorpsvägen 26, SE 261 71 Landskrona, Sweden Telephone 0046 (0)418 430346 • E-mail wibergdesign@hotmail.com

### **Built Using**



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