

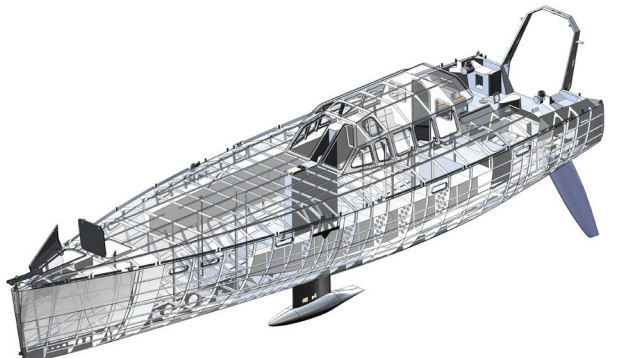


"A yacht that takes care of the crew instead of having the crew take care of the yacht."  
Gabriel Heyman, Hull Shape, R&D

"You go on a boat to enjoy the sea. One thing I like about the Journeyman is you can keep enjoying even when off watch."  
Pia l'Obry, Pro Yachtswoman, Advisor

"It's surprising how seldom the yacht industry makes use of the wealth of research available from the aerospace industry."  
Jens Österlund, Appendages Hydrodynamic R&D

# Bridging the gap between the classic long distance cruisers and the extreme racers.



**The Journeyman 60 yacht is designed by Jesper Weissglas.** Every solution, every detail and every choice of materials is based on experience from over 30 000 nautical miles of adventure charter sailing in rough conditions, including the Across Greenland expedition with renowned Swedish adventurer Ola Skinnarmo.

Journeyman is the result of over 5 years of design work. Jesper is living his dream and his vision, but he has also had to deal with harsh economic realities and numbing obstacles – often no bigger than a single aluminium bolt. The process has involved some of Sweden's sharpest minds on aeronautical and structural design – without any reward but the thrill of being part of a project beyond the ordinary.

The yacht is now under construction in Estonia. The experienced team at the Alunaut Shipyard on Saaremaa – accustomed to building performance workboats – are putting their skills and their raw enthusiasm into building Sweden's first "extreme express cruiser".

### State of the art technology:

- Hull shape based on recent research in upwind performance in heavy wind and rough seaways.
- Lightweight durable aluminum hull, optimized by computerized fluid and structural simulations.
- Rigging and sail configuration gives racing performance while keeping handling simple.
- Electrical system using distributed intelligence, runs from solar power only, eliminating the need for a generator.

### Safety:

- Speed that will allow navigating around the storm rather than being caught in it.
- Alloy hull that won't crack on collision impact.
- Dual watertight bulkheads.
- Rigging minimizes foredeck work in rough weather.
- Non-slip safety flooring indoors and on deck reduces risk of falling injuries.
- Cooking and heating uses diesel only, no gas on board removes explosion risk.

### Environmentally friendly:

- Electricity is 100% solar powered.
- The bulb is made from recycled batteries.
- No toxic paints used anywhere.
- And it's a sailboat, of course.

### Expedition features:

- Plenty of storage space.
- Large equipment can be secured on deck using built-in brackets.
- Permanent workshop indoors.
- Rapidly deployable RIB dinghy.



**journeyman60**  
www.journeyman.se

# Journeyman 60 - Facts, figures and planned equipment.

## Overall Hull Dimensions:

Length OA	18.2 m
Length WL	17.4 m
Beam OA	4.9 m
Beam WL	3.9 m
Freeboard	1.9-1.7 m
Draft Min-Max	1.8-3.8 m
Draft Canoe Body	0,65 m
Prismatic Coefficient	0,51
LCB/LWL	56.5 %
Wetted Surface (Canoe)	49.5 m <sup>2</sup>
Wetted Surface (Appended)	62,8 m <sup>2</sup>
Unloaded Displacement	13 tons
Loaded Displacement	16.8 tons

## Rig Dimensions

P	22.4 m
E	8.6 m
I	21,9 m
J	7,3 m
Mast Height	27 m

## Sail Area

Jib (107%)	76 m <sup>2</sup>
Main	110.5 m <sup>2</sup>
Total	186.5 m <sup>2</sup>
Code-0 65%	186 m <sup>2</sup>

## Comparison Ratios

Hull Speed	10,2 kts
Displacement / Length	89.2
Sail Area / Displacement	29.6
Sail Area / Wetted Surface	3.0
Ballast / Displacement	28%

## Rigging

- Carbon mast with hydraulic mast jack. 20° swept spreaders.
- Carbon boom
- Standing: Steel Rod
- Running: Dyneema
- Vang, Backstay and Mast Jack: Holmanthro hydraulic system.

## Sails

The sailing configuration is planned for maximum open ocean performance while keeping handling simple.

- Genoa, permanent furling 107%. <20kts wind.
- Jib, permanent furling. 16-40 kts wind.
- Storm Jib, detachable forestay, 40+ kts
- Code 0, furling detachable forestay. Medium duty, 8-25 kts, AWA -60-140°
- Main, 3 reefs fully battened.
- Trysail, separate mast track, 40+ kts

## Deck Equipment

- Antal V-Grip clutches.
- Antal WxR Racing Winches.
- Antal Maxi series T-tracks, cars and blocks.
- Profurl Racing Series manual furlers.

## Steering

- Dual Station Carbon Wheels.
- Dual GRP spade rudders.
- HyDrive Admiral hydraulic steering with full feedback.
- Furuno 511 Adaptive Autopilot.

## Tanks

- Diesel 2 x 600 liters.
- Freshwater 2 x 500 liters.
- Ballast: 2 x 2200 liters with Johnson L4000 filling pumps.

## Electrical

- Main service bank : 12V/700Ah
- Machinery: 24V/120Ah
- Solar panels: Solara High Efficiency SP400M panels, 800W
- Charge Controller: NAPS MPPT Regulator.
- Inverter: 220V/3000W sinewave.
- NMEA2000-controlled intelligent power distribution.

## Electronics

- Nexus NXR instrumentation system
- Navico Broadband Radar
- ICOM VHF Tripple command system
- Iridium OpenPort Satellite Broadband
- GPS and AIS plotting: Ultra Low Power computer with low power LED-light display, designed for permanent duty.
- Permanent underwater video camera and lights in front of keel.
- Fusion Marine Audio system with waterproof remote and waterproof speakers.

## Surface Coatings

- Interior floors: Altro Timbersafe non-slip industrial flooring.
- Ceiling: Lamilux lightweight composite.
- Wooden trims: Moelven Thermowood.
- Deck and cockpit: TBS Antiderapant non-slip rubber.
- Bilge: Auson Noxudol sound damping.
- International Intersleek non-toxic antifouling.

## Machinery

- MaxPower VIP150 Retractable Bow Thruster.
- Hydraulic keel lift
- Quick Rider 1700 Windlass, 1.7kW
- Schenker Watermaker, 60 liters/h

## Engine

- Yanmar 4JH4THE: 4 cylinders turbo diesel, 75 hp.
- SD50 Saildrive
- Flex-o-Fold folding propeller
- Custom designed multiple-station NMEA2000-based intelligent engine controls.
- Independent 12V system.

## Insulation

- All windows double glassed with Pinkerton Solar Control glass.
- Houdini custom made double glassed hatches.
- Hull fully insulated with Armacell ArmaFlex elastomeric foam.

## Heating

- Dual Wallas 40D diesel fuelled heaters.

## Galley, Shower and Heads

- Wallas 87D Cooker and Oven, diesel fuelled.
- Fridge 40l + Freezer 40l, Frigoboat compressors with hull-integrated heat exchanger. Full extension drawer style for increased accessibility.
- Johnson AquaJet pressurized water.
- Dual showers with electric drain.
- Dual heads with holding tanks.
- Johnson Viking Power Grey- and Blackwater pumps.

