

# Reacher780

*Standard configuration & options specifications - Version 11.24*

## **TECHNICAL DATA**

• Hull length		7,80 m / 25' 7"
• LOA (with rudders and bowsprit)		9,25 m / 30' 4"
• Beam		2,54 m / 8' 4"
• Displacement (MLC*)		1150 kg / 2535 lbs
• Draft	lifted keel	0,60 m / 0'24"
	lowered keel	1,80 m / 5' 11"
• Ballast		525 kg / 1157 lbs
• Ballast ratio		46%
• Bowsprit	(carbon fibre)	1,14 m / 3' 9"
• Mast	(carbon fibre)	11,10 m / 36' 5"
• Boom	(aluminium)	3,54 m / 11' 7"
• Mainsail – Full batten SQ Top		25,1 m <sup>2</sup> / 270 ft <sup>2</sup>
• Jib #2		16,5 m <sup>2</sup> / 178 ft <sup>2</sup>
• Propulsion	(optional)	outboard max 10hp
• Hull/deck material		Vacuum-infused GRP with carbon reinforcements
• Insubmersibility volume		on request - 2 m <sup>3</sup> / 70 ft <sup>3</sup>
• CE design category		B4 – max 4 persons and 640 kg load C8 – max 8 persons and 960 kg load
• Naval architect		Andrej Justin
• Performance optimisation		Dr. Ing. Kristijan Horvat Stanislav Sviderek, PhD
• R&D		Boat Lab Ltd Mare Navigare Ltd
• Air draft		12,30 m / 40'4"
• Height on trailer		2,40 m / 7'10" - w/o mast 2,25 m / 7' 5"
• Length with trailer		11,50 m / 37' 9" - w/o mast 9,50 m / 31'

## **STANDARD CONFIGURATION**

### **CONSTRUCTION**

- Hull and deck are built in sandwich construction using vacuum infusion process.
- Sandwich GRP is constructed from epoxy vinyl ester resin, Airex foam and Soric with unidirectional and biaxial laminates, locally reinforced by carbon biaxial.
- Hull is reinforced with vacuum infused GRP stringer structure. The structure has a second function – it is used as an interior module which resulted in significant weight savings.
- Standard hull and deck colour is Traffic White (RAL 9016) or Telegrey 4 (RAL 7047).
- Deck is moulded with high traction non-skid surface while additional traction on most critical parts is improved with Treadmaster panels.
- Carbon fibre beams are laminated on the keel box and to the deck to support mast compression and keel side loads.
- Two rudders hung on a transom and are easily removable from the slots.
- Rudders are built in carbon-epoxy, post cured at high temperature.
- Chainplates bolted to the reinforced area between two structural bulkheads.
- Bolts, screws and fittings are made of marine grade stainless steel AISI 316.
- Faired underwater areas, ready for sanding, epoxy primer and antifouling application.

### **KEEL ARRANGEMENT**

- Lifting keel assembly is made from carbon composite fin and 450 kg bulb.
- Keel fin is made from unidirectional carbon fibre layers and epoxy, post cured at high temperature.
- Bulb is forged lead-antimony with steel structural element inside.
- Keel assembly is pre-painted with epoxy primer for easier antifouling treatment.
- Keelbox is integral with a mast support/keel lifting system.

### **DECK EQUIPMENT**

- 4x machined aluminium mooring cleats with a surface coating that integrates a black layer in the cleat whose surface becomes extremely hard and corrosion resistant.
- 46 cm high stainless-steel pulpit, pushpit and six stanchions with double lifelines.
- Stainless steel chain plates for side shrouds and forestay.
- 3x Harken 30.2STP Performa two speed self-tailing winches.
- Two rope bags and two winch handle bags.
- Harken deck equipment for complete offshore experience (available also in Ronstan).
- Spinlock Quadruple XAS Rope Clutch on the coachroof.

- Carbon tiller with Spinlock EA tiller extension, 750-1200mm, with swivel.
- Wide plexiglass skylights installed on the coachroof sides.
- Coachroof hatch of 58 cm x 58 cm / 23 x 23 inch for light, ventilation and deck access to the cabin. Supplied with an anti-bug flyscreen.
- An opening hatch of 30,1 cm x 24,6 cm / 12 x 10 inch for back cabin ventilation.
- Bow anchor locker.
- Big capacity aft storage room under the cockpit with preparation for engine bracket installation, freshwater tank or other systems optionally selected. With big deck hatch supported by extra sturdy spring strut.
- Storage locker under the starboard cockpit seat, with quick access function.
- Rudders coupling mechanism and its cover for discrete appearance.
- Manual bilge pump operated from the cockpit.
- Standard removable swim ladders and emergency swim ladders.
- Masthead LED navigation and anchor light.

## **MAST & RIGGING**

- Fractional rig with 1 set of backswept spreaders and optional two running backstays.
- 5mm wire 1x19 standing rigging with turnbuckles.
- AG+ Spars carbon mast and aluminium boom as standard.
- Mainsail aluminium luff track.
- Foldable carbon bowsprit.
- All carbon parts UV protected.
- Running rigging by Gottifredi Maffioli, completed for full offshore experience.
- Wichard shackles.
- 2:1 Dyneema mainsail halyard with shackle.
- 2x Dyneema masthead gennaker halyard.
- Dyneema fractional code0/drifter halyard.
- Dyneema jib halyard.
- Mainsheet with ball bearing low friction blocks.
- Two mainsail reef lines.
- Control line for the mainsail traveller.
- Outhaul purchase led inside the boom.
- 16:1 vang purchase.
- Jib sheets.
- Gennaker sheets with blocks.
- Code0/J0 sheets as optional.

- Dyneema gennaker tackline.
- Spinlock clutches for halyards, mainsail reefs and bowsprit control lines.
- Harken blocks and cleats for the mainsail, jibs and gennakers control lines.
- Adjustable jib inhaulers and downhaulers organized with track and slider cars.

## **INTERIOR**

- Hull sides lightly covered with flow coat on the moulded parts for light, clean and low maintenance finish.

### **Front Section**

- V-benches as central social area, arranged around wooden table.
- Hight adjustable table is allowing benches to be converted to double berth.
- Storage lockers underneath the berth.
- Coachroof hatch of 58 cm x 58 cm / 23 x 23 inch for light, ventilation and deck access to the cabin.

### **Mid Section**

- Large plexiglass companionway washboard and sliding hatch.
- Dedicated storage place for washboard back of the companionway steps.
- High quality, ergonomically shaped, companionway steps made from real teak.
- Port and starboard utility spaces.
- Port utility space with preparation for options like wash basin integration, gimbal cooker and shelving for storage.
- Starboard utility space set up to accommodate optional electric equipment, fridge, battery or remote electric power station and navigation equipment.
- Keel box with covers.
- Light grey rubber mat floor covers.

### **Aft Section**

- Wide double berth in stern with storage lockers underneath.
- Two extra storage lockers on sides for easy access.
- An opening hatch of 30,1 cm x 24,6 cm / 12 x 10 inch for back cabin ventilation.

## **OPTIONS SPECIFICATIONS**

### **PROPULSION**

#### MERCURY F5 SAIL POWER OUTBOARD ENGINE

- Mercury F5, is 5Hp long shaft outboard engine made to meet the unique needs of sailboat enthusiasts. It is built for use on heavier boats and therefore has a propeller optimized for the purpose.
- 4 stroke, 1 cylinder engine configuration.
- Manual starting and tiller steering.
- Integrated alternator for charging of the battery or LED lightning power supply.
- Integrated 1,1 L / 0,3 gal fuel tank
- Optional 12,0 L / 3,2 gal fuel tank with connection hose.
- Outboard bracket with height adjusting option.

#### REACHER 780 CUSTOM BUILD RETRACTABLE OUTBOARD ENGINE BRACKET

- Outboard engine bracket that allows engine to be retracted in the storage room under the cockpit without dismantling the outboard from the assembly.
- Hidden and easy to handle solution.

### **OPTIONAL SAILS & RIGGING**

#### MAIN SAIL

- 25,10m2 FullBatten Square Top Mainsail available in various materials (check pricelist).

#### JIB2

- 16,50m2 available in various materials (check pricelist).

#### JIB0

- 23,00m2 Code 055 flat shape for upwind performance
- Fractional hoist w. AT Cable

#### GENNAKER A1.5

- 68,00m2 Gennaker (runner)
- Top mast hoist

#### GENNAKER AP

- 65,00m2 Gennaker (reacher)
- Fractional hoist

#### LAZY BAG & LAZY JACK SYSTEM

- Sunbrella material with Logo.

#### MAINSAIL BATT CAR SYSTEM

- Harken 13 mm AA Battcar System

#### JIB FURLER

- Harken Unit 0 MKIV Ocean Jib Furling System.

#### CODE 0 / JO FURLER

- Ubi Maior FR87 Code 0 furler

#### BARTON RODKICKER/BOOMKICKER

- Barton composite Boomstrut.
- Prevents the boom from dropping into the cockpit or onto the coach roof.

## **INTERIOR COMFORT OPTIONS AND PORTABLE SOLUTIONS**

### REACHER 780 COMFORT PACK IN A CHOSEN COLOUR

- Cushions in quick to clean Mercis Beltempo fabric on the front V-berth and aft berth.
- Free choice of the fabric colour from the official Mercis catalogue.
- Upholstered ceiling panels for covering nuts and rest of the deck gear installations.
- Upholstery fabric is Spradling Linetex – "Chalk" LNT 9502 or "Shallow" LNT 8215

### REACHER 780 HORIZON VIEW

- Four plexiglass windows along the hull arranged for best possible panoramic view.
- Two aft ones open a sea view on the stern berth.
- Two front ones allow for the view while socializing around the table.
- With a correct degree of black pigmentation for complete privacy when looking from the outside of the boat.

### REACHER 780 SURVIVOR PACK - POWER

- Tablet / Smartphone holder Scanstrut
- Portable Bluetooth speaker Anker.
- Portable power station Anker SOLIX F1200 (PowerHouse 757) - 1229Wh capacity and 1500W AC output for most demanding applications.  
Unibody drop-proof design, 5 year warranty.  
HyperFlash™ AC Recharging, 80% in 1 hour.  
Multiple USB ports, 6x AC outlets and a car outlet.  
LED light bar available on the unit.

### REACHER 780 SURVIVOR PACK - FOOD

- Portable fridge with capacity of 50L, supplied by 12V DC. Stored in starboard utility space.
- Camping gas cooker with a gimbal bracket.
- Portable table for cockpit use. Four people will have a decent comfortable lunch on it's wide 110x60cm.

### REACHER 780 SURVIVOR PACK - FUN

- Portable Bluetooth speaker Anker.
- Two stainless steel fishing rod holders, attached to the pushpits.
- Four wide stainless steel cupholders that will embrace any of your sundowner packaging.

## REACHER 780 COCOON PACK

- Premium cabin mattresses with memory foam.
- Lazy bag – marine bean bag for additional comfort on and below the deck.
- Aft cockpit bench.

## REACHER 780 SUNSAIL

- Shading option installed over the mainsail and boom while covering complete cockpit.
- Full standing height in the cockpit.
- Tent-poles made from carbon fibre with dedicated storage place.
- Citel Sunless – polyester sunshade fabric for outdoor use with 5% openness factor that provide good outside view, improving the feeling of light and space.

## CHEMICAL TOILET – Porta Potti

- Thetford Porta Potti Qube 165 portable toilet - revolutionary design with optimum quality and functionality.
- Portable toilet that doesn't have to be connected to a drainage or water system.
- The toilet consists of two sections: the upper 15L section is a combined flush-water tank and toilet bowl, the lower 21L section is the waste-holding tank.
- Empty weight 3,9 kg / 8,6 lbs

## **INTEGRATED SYSTEMS**

### ELECTRIC SYSTEM WITH 230v (or 110v) CHARGING PACK

- Custom electric control panel with six blue backlit 316 stainless steel switches and stylish carbon fibre backplate. Master battery switch controllable from the panel.
- Remotely controlled master battery switch.
- 12V 100AH Li-Ion battery weighting only 11,6 kg / 25 lbs.
- 12V USB plugs in the saloon.
- 230V (or 110v) charger with fuse.
- External shore cable plug.
- Shore cable + adapter to standard 230V plug.
- Internal 230V (or 110V) plug.
- Ambiental indirect LED lights around the ceiling.
- Two mid-section and one front cabin ceiling LED lights.
- Sentinel tracker to connect, monitor and control boat systems remotely on your mobile phone with a 1-year subscription.
- Pre-wiring for most of the available electrical options



## FRESH WATER SYSTEM

- Rigid polyethylene 77 L / 20,4 gallons tank placed in storage room under the cockpit.
- 12V 12,8 L / min water pressure pump with the control switch on the electric panel.
- Water level gauge positioned on the port utility box.
- Faucet with the sink on the port utility box.
- Sink with direct overboard drainage – flush-with-hull installation with Forespar FlowTech Performance Thru Hull MK1 valve fitting.
- Stainless steel shower handle with housing on the stern, next to the bathing ladder.
- Plumbing.

## **NAVIGATION & ELECTRONICS**

### COMPASS RITCHIE VENTURI

- RITCHIE Venturi compass mounted on bulkhead next to the companionway.
- Compass light connected to navigation lights switch.

### WINDEX

- Wind indicator fitted with vanes, mounted on a hard stone suspension for sliding movement. Very accurate and stable, fitted with a wind angle indicator.

### SOLAR PACK

- Sunbeam TOUGH+ 58W walkable solar panel.
- Placed on the cabin above the companionway sliding hatch with connection cable hidden under the panel.
- Charging regulator and dedicated fuse.

### FUSION MARINE STEREO ADVANCED AUDIO PACK

- Fusion MS-RA210 FM radio with Bluetooth connectivity installed in the starboard utility box.
- Two Fusion SG-F652W 6,5" signature waterproof speakers (6,5-inch, 230W), in the cockpit.

### GARMIN NAVIGATION PACK

- Twin GMI 20 large and bright 4" QVGA colour displays with LED backlighting, installed on the coachroof.
- Airmar DST810 depth, speed and temperature transducer.
- gWind race wired wind transducer.

- External GPS 24xd antenna.
- NMEA2000 backbone kit and wiring.
- Dedicated switch on the control panel.

#### GARMIN AUTOPILOT PACK

- Underdeck autopilot installation.
- Reactor™ 40 Course Computer Unit with ECU 10 pack.
- GHC 50 Autopilot Instrument for operation and control.
- Reactor™ Autopilot Remote Control.
- GRF 10 Rudder Feedback Sensor.
- GARMIN Class B Compact Drive Unit.
- Wiring, installation cables.
- Dedicated switch for an autopilot on the control panel.

#### GARMIN CHARTPLOTTER PACK

- GPSMAP 723 touchscreen Chartplotter with high-resolution IPS display.
- Supplied with Worldwide Base map.
- With SELECTED detailed regional chart.
- Garmin Sailassist™ sailing features.
- Installed on the coachroof.
- Wiring and dedicated control panel switch.

#### GARMIN VHF 215I MARINE RADIO

- Garmin VHF 215i Marine Radio with standard Class D Digital Selective Calling (DSC) functionality and built-in GPS.
- GLOMEX RA112AUS VHF Antenna.
- Wiring and dedicated control panel switch.

#### GARMIN VHF 215I MARINE RADIO WITH AIS

- Garmin VHF 215i AIS Marine Radio with standard Class D Digital Selective Calling (DSC) functionality.
- Garmin AIS 800 Blackbox Transceiver, including VHF antenna splitter for Class-B AIS system.
- External GA 38 GPS/GLONASS antenna.
- GLOMEX RA112AUS VHF Antenna.
- Wiring and dedicated control panel switch.

## **OTHER OPTIONS**

### MOORING PACK

- Fortress demountable anchor (3.2 kg / 7 lbs). Made of sturdy anodized aluminium-magnesium alloy. With storage bag.
- 30 m/10 mm / 98' 5"/0,4-inch rope for the anchor with first 10 m / 32' 10" with lead insert. Terminal with thimble and hand-made splicing. It comes in an elegant nylon bag with blue string.
- MARLOW mooring ropes 9m/14 mm / 29' 6" / 0,55 inch in black with spliced ends, 4x
- Polyform A1 fenders with fixation ropes, 4x

### SAFETY PACK

- Available on request and aligned with your local Port Authority requirements.

### ANTIFOULING - RACING

- Two coats of Hempel's Hard Racing TecCel antifouling on underwater surfaces.
- Roller application.

### ANTIFOULING – ADVANCED RACING

- Two coats of Veneziani Speedy Carbonium antifouling on underwater surfaces.
- Paint gun application.

### CUSTOM COLOUR HULL WRAP

- Hull wrap with folio in custom colour.

## **TRANSPORTATION**

### CUSTOM BOAT CRADLES

- Custom GRP cradles with EVA foam padding.
- Single front cradle and two stern cradles for transport on the trailer or on-land storage

### MAST LIFTING SYSTEM

- Custom made mast lifting system.

### GALVANISED STEEL TRAILER WITH EQUIPMENT

- Custom designed trailer with galvanised steel frame.
- Homologated with max. towing weight of 1400 kg.
- Knott equipment - hand break, dampers and spare wheel.

- Custom boat cradles with EVA foam padding.
- Mast support with climbing steps.
- Front support wheel.
- Aft supporting legs.
- Standard European 13-pin connector.
- Transport straps with padding.
- Not available in USA.

\*MLC: Mass of the boat in Light Craft Condition includes the weight of the boat in the standard ready-to-navigate configuration, keel, standard equipment, sails (mainsail & jib) and engine.

Specifications and descriptions are provided only for your guidance and are subject to change without prior notice.

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