

# RAPIDO 63

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## General Specifications

### RAPIDO 63



*The Rapido 63 is a production trimaran, but variations can be accommodated within structural limits.*

*Pricing for semi-custom options will be provided on request.*

*Note: Specifications are subject to change without notice and will be confirmed at the time of contract signing.*

Designed and Engineered by:



# RAPIDO 63

## Principal Characteristics

Length	19.2m (63 ft)
Beam	11.7m (38.4 ft)
Draft	0.75m (2.5 ft) / 3.3m (11.5 ft)
Displacement (light)	11,000kg (24,250 lb)
Displacement (max load)	14,000kg (30,864 lb)
Headroom (average)	2.1m (6 ft 9")
Mast height above water	25.3m (83 ft)
Mainsail	125 m <sup>2</sup> (1,345 ft <sup>2</sup> )
Jib J3	71 m <sup>2</sup> (764 ft <sup>2</sup> )
Staysail J4	25 m <sup>2</sup> (269 ft <sup>2</sup> )
Reacher	130 m <sup>2</sup> (1,399 ft <sup>2</sup> )
Asym Spin	225 m <sup>2</sup> (2,421 ft <sup>2</sup> )



# RAPIDO 63

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## Design & Construction

1. Hulls: outer skins fiberglass. Deck & cabin-top: carbon fiber inner and outer skins, vinyl ester resin and Divinycell foam-sandwich construction.
2. Hull, deck, cabin-top, beams, daggerboard and rudder parts: molded from composite female tooling to minimise fairing and reduce weight.
3. Composite parts resin-infused to control resin content, optimise fiber ratio and improve strength-to-weight performance.
4. Thermo-formed core fabricated from 3D templates.
5. Beams, daggerboard, rudder blade, chainplates and main bulkheads built from pre-preg carbon, cured in an autoclave.
6. Carbon longitudinal stringers.
7. Carbon structural bulkheads, chainplates, beam bulkheads, etc.
8. Carbon reinforcement in high-load areas such as daggerboard case, windows, around hatches, etc.
9. Carbon saloon/cockpit door frames.
10. Interior furniture constructed from high-strength, lightweight composite panels.
11. Custom Dyneema-reinforced trampoline.
12. Forward beam leading-edge aero fairing.
13. All bulkheads watertight; no penetrations below waterline.
14. CE Category A certification.

## Finish

1. Exterior finish in white gelcoat.
2. Non-skid decks, cabin top, beams, transom and cork flooring in the cockpit.
3. Hull bottom finished with epoxy-based primer.
4. Interior living area finished to Rapido Trimarans' Luxury Yachts standard.

## RIGGING AND SAILS

### Mast and Boom & Standing Rigging:

# RAPIDO 63

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1. Carbon spreader-less, rotating wing mast and carbon boom with Dyneema truss wing.
  2. Aramid shrouds and torsional forestay with integrated Karver structural furler.

## **Running Rigging:**

1. Halyards for mainsail, jib, reacher, spinnaker and staysail.
2. Sheets and blocks for mainsail and jib.
3. Topping lift and spare main halyard.
4. Lazy jacks.
5. Harken electric mainsheet traveler.
6. Reef lines and Karver rope clutches (jammers).
7. Outhaul, cunningham, daggerboard and mast rotation control lines.

## **SAILS: (SEE SEPARATE OPTIONS LIST)**

## **DECKS & HULLS**

### **Hatches and portlights:**

1. Two escape hatches.
2. Thirteen opening portlights.
3. One deck hatch in forward cabin.
4. Two cabin-top hatches.
5. Two opening hatches in saloon roof plus opening portlights.
6. Two aft opening hatches in aft cabin.
7. Eight Rapido flush-deck fiberglass hatches.

### **Safety:**

1. Padeyes for safety-harness connections.
2. Lifelines.
3. Carbon bowsprit with integrated anchor rollers and carbon pulpit, aft seats and stanchions.
4. Survival area with entrance/escape hatch.
5. Automatic fire extinguisher in the engine compartment.
6. Watertight bulkheads or no penetrations below the waterline.

# RAPIDO 63

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## Deck Hardware:

1. Harken mainsheet and electric traveler systems.
2. Harken self-tacking jib track system.
3. Harken blocks.
4. Karver and Spinlock clutches and rope clutches (jammers).

## Winches:

1. Two electric Harken Radial 70.2, two-speed ST primary winches.
2. Two electric Harken Radial 60.2, two-speed ST cabin-top winches.
3. Two Harken Radial 60.2, two ST mast winches.
4. One Harken 46 foredeck winch.

## Furlers:

1. Karver structural forestay.

## Mooring, Anchoring:

1. Electric anchor windlass with remote control.
2. Custom bowsprit with anchor roller.
3. Anchor bridle.
4. Four 350 mm Antal folding deck cleats and custom titanium padeyes.
5. Windlass locker and locker for secondary anchor in foredeck.

## Electrical:

1. 24-volt Lithium-ion battery bank, 1 x 6000-watt.
2. Mastervolt Mass Combi Ultra 24/3500-100 (230 V).
3. Mastervolt 100 amp charger.
4. BEP AC panel with four circuit breakers plus RCD.
5. 110 amp 24 V Mastervolt alternator (house batteries).
6. 80 amp 12 V alternator.
7. LED lighting, downlights, courtesy lights and strip lights.
8. Five fans.
9. 240 V AC outlets and 12 V DC outlets.
10. Shore power connection, 240 V.
11. USB combo type B and C.

# RAPIDO 63

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## Navigation Lights:

1. LED bow and stern navigation lights.
2. LED anchor, steaming, and deck lights.

## Engine & Propulsion if Hybrid System not Chosen

1. Yanmar diesel, 4JH5E, 53 hp, shaft drive.
2. Folding 3-blade Gori propeller.
3. 80 amp alternator (for start battery).
4. Digital B instrument panel.
5. Engine room insulation.
6. Dripless seal on propeller shaft.
7. Ultraflex engine controls.
8. Fuel filters.
9. Fuel tank, 450 liters.
10. Silencer with waterlock.
11. Automatic engine room fire extinguisher.

## Outdoor Fitout – Cockpit, transom, decks and floats

1. Carbon hard-top bimini with sliding windscreen.
2. 1.2 m wide helm seat/leaning post.
3. Two storage lockers under large cockpit seats with dedicated wet weather gear hanging space.
4. Swim ladder on transom.
5. Hot and cold shower on transom.
6. Storage/survival area under cockpit sole with escape hatch [(L) 2.2 m x (W) 3.3 m x (H) 1.4 m] [(L) 7' 3" x (W) 10' 10" x (H) 4' 7"]
7. Storage areas in floats with Rapido custom watertight XL hatches to accommodate paddle boards, bikes [(L) 4.5 m x (W) 1.3 m x (H) 1.5 m] [(L) 14' 9" x (W) 4' 3" x (H) 4' 11"]. Additional storage areas aft for kayaks, water toys and surfboards behind rear beams.
8. Four separate watertight compartments per float.
9. Titanium padeyes for mooring lines and fenders.
10. Custom Dyneema trampolines.

## Interior Fitout

1. All interior components constructed from lightweight cored panels.
2. Lightweight cabinets and composite doors.

# RAPIDO 63

3. Carbon drawers.
4. Choice of veneers for facings.
5. Stainless steel sinks.
6. WhisperWall headliners.
7. Carbon countertops.
8. Faucet and shower sets.
9. Mirrors.
10. Shower areas with composite finish.
11. Electric shower drain pump.
12. Electric toilets.
13. Cork flooring.
14. High-quality fabrics with removable covers.



## **SALOON**

1. Saloon cockpit windows: removable, with dedicated stowage.
2. Two opening forward-facing windows.
3. Portlights.

# RAPIDO 63

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4. Roof hatches.
5. Fans.
6. LED lighting.
7. Settee/double bunk.
8. One large dining table and one coffee table; both areas convert to double beds if required.
9. Double-opening fold-up entry doors.
10. Nav station.

## **Aft Cabin**

1. Lightweight composite door.
2. Hanging locker/clothing lockers with soft-close lids.
3. Double bunk which can be converted to two singles. There is a separate additional single bunk in foyer area near aft head.
4. Under-bunk storage.
5. Four opening portlights.
6. Two size-60 opening hatches in transom.

## **Forward Cabin**

1. Lightweight composite door.
2. Hanging and shelf lockers/clothing lockers with soft-close lids.
3. Double bunk (queen size).
4. Under-bunk storage.
5. One deck hatch.
6. Four opening portlights.
7. Emergency escape hatch.

## **Galley**

1. Shelves, cabinets, carbon drawers with soft-close hardware and latches.
2. Carbon countertop.
3. 180-liter Vitrefrigo two-drawer fridge.
4. Large stainless steel sink.
5. Electric oven and dual induction hob.
6. Hot and cold, pressurized freshwater.

# RAPIDO 63

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## Plumbing (Freshwater)

1. One Quick on demand water heater.
2. One 450 liter (US 118.8 gallons) water tank.
3. Water pressure system pump.
4. Transom shower.
5. Freshwater/salt water deck washer.

## Waste Water

1. Two holding tanks, 60 liters (US 15.85 gallons) each.

## Bilge Pumps

1. Four electric automatic bilge pumps.
2. One manual bilge pump.
3. Composite sea cocks.

## Steering and Rudderblade

Single wheel Jefa custom steering system includes:

1. Torsion bar and universal joint, complete with autopilot drive.
2. Carbon rudderblade with T-foil manufactured from CNC-milled tooling; blade cured at elevated temperature and pressure in autoclave.
3. Emergency rudderblade.
4. Custom kick-up rudder box; blade can slide up for shallow water.

## Daggerboard

1. High-aspect-ratio, swept and tapered daggerboard for efficiency and performance.
2. Carbon daggerboard manufactured from CNC-milled tooling, cured at elevated temperature and pressure in autoclave.
3. Daggerboard case structure reinforced at cabin-top, saloon sole and forward/aft frames below sole and hull exit.
4. Mast compression supported by daggerboard case and cabin top via cabin-top plinth.
5. Optional twin C-foil daggerboards, one in each float.

## For further information

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# RAPIDO 63

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