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# 78ft

scheda tecnica





78ft

As austere and sharp in lines as cheerful and versatile to use, this ship offers wide open spaces, luxury, comfort and excellent performances; all these details make it an elite tender or, to be more specific, a super- comfort Fast commuter.

Being the evolution of the previous models, Maori 78ft is today the flagship of the shipyard: a boat on which the function of each shape is thought in order to serve mainly a daily use, or even for a weekend.

It is perfect to bath in the sea and to sunbath, or to cruise with friends. Its high technical and project level grants two comfortable, wide cabins below, one for the owner, the other for guests, that allow to stay onboard for more than a day without too many problems. The crew cabin is at bow. It is understood that its performances are remarkable, above all if we consider that its length overall is over 24 meters.

Thanks to the propulsion of two 1800 hp Man engines joined with a Jolly Drive surface propellers system, Maori 78 reaches a cruising speed of over 43kn





## Characteristics

Length overall	123.60 mt
Length waterline	19.80 mt
Beam max (including fenders)	6.90 mt
Draft (lightship)	1.20 mt
Displacement (lightship)	44 Tons
Fuel Tank	6500 lt
Fresh Water tank	800 lt
Navigation category CE 94/25	A
Certification CE	mod. B by RINA
N° passengers + crew	16 + 2
Engines: 2x MAN 1900hp + JDM surface propellers	
Maximum speed (prediction)	44 kn
Cruising speed (prediction)	38 kn
Range at cruising speed (prediction)	tbd

The performance is estimated at following conditions: standard version of the yacht at 1/3 of load, clean hull, 25° air temperature, good weather conditions, special props set for those conditions

Building process	Vacuum infusion of sandwich and single-skin composite
Building Materials	GRP (fiberglass) + PVC core + Vynilester resin



## Characteristics

The purpose of these Specifications is to describe and explain the project, materials, machinery, equipment and construction of a luxury motor yacht cruises around the world, in accordance with the conditions of use specified in these Technical Specifications.

The supply includes all the objects specified hereinafter together with all other items necessary for proper furniture, fittings and equipment of all spaces. Cutlery, crockery, linen, towels, art and decorative items are excluded from the scope of delivery as well as all those items normally not supplied with this type of boats and anything not specified in this specification.

Where required for the installation or maintenance of hidden systems, removable panels are installed. The spaces in which no explicit reference is made, nor entirely described in this specification, will be furnished and fully equipped in a proper manner as specified for other similar spaces

## Maindeck

Gelcoat Antibacterial Paint.

Antifouling painting, Veneziani.

Fender Hippomarine.

Custom handrail amidships.

Maori custom mast for navigation, mooring lights and flags.

Custom Seasmart hinges, in anodised aluminium with Maori Yacht logo.

Custom Seasmart handles, in anodised aluminium with Maori Yacht logo .

Deck drainages.

Windscreen in tempered layered crystal, transparent, Sovit.

Side glasses in tempered layered crystal, europe grey, Sovit.

Hard top in composite fibers.

Windscreen wiper, Gallinea.

Shore Power Marinco 63A.

Water intake, Versari & Del Monte 0703-AN.

Fuel intakes (2) at amidships, Versari & Del Monte 0703-AN.

## Mooring

Trefoil Stainless steel AISI 316 50 kg anchor, roll for chain cable, safety snap shackle and cam jam.

Stainless steel chain Ø 12mm, 100mt DIN766/ISO.

Anchor launching system with hydraulic folding arm, customized by Maori Yacht, with waterproof control.

Anchor windlass/barbotin, hydraulic, LEWMAR V6, with waterproof control.

Anodised aluminium pop-out mooring cleats: fore (2), mizzen (2), aft (2), Versari & Del Monte 0263-AN.

Fender quick release system in anodized aluminium (8), Seasmart Smartlock SL20.

Fore pop-out capstan in anodized aluminium, 2000w, Sanguineti Chiavari.

Aft (2) pop-out capstans in anodized aluminium, 1000w, Sanguineti Chiavari.

Mooring lines (4), 12mt, Ø20mm, black.

Poliform F11 fenders (8).

## Propulsion and Engine room

Engines MAN 1900hp (2).

Gearbox ZF (2).

External surface Transmissions with coupling bar and dedicated hydraulic steering unit, and internal universal joint shafts (2).

Hull underwater exhausts (2).

Hydraulic bow thruster with Joystick, LEWMAR 300 TTH.

Three-layer Insulation/soundproofing for Engine Room: Saint Gobain, Pyrotec Wavebar DBX, Tekspan Dibond Ral 9010 finishing.

Ventilators CEM for engine room ventilation.

### FUEL SYSTEM

Structural GRP fuel tank 6500 lt, with optical level, with digital level reported on PLC.

Level sensor SangiorgioSein.

Emergency shut-off valves for fuel lines, with remote control on pilot console.

Primary fuel filters for engines, RACOR 75/1000 MA (2).

Primary fuel filters for gen-set, RACOR 500 MA (1).

Stainless steel outboard vent-overfill (2) for fuel tank.

## Electric Systems

Generator Cummins Onan MDKBT 17,5 kW, 230v, max 1500 rpm, with 100% PTO, with exhaust separator "Acqualift", with ON/OFF control by PLC.

Batteries (4x 230Ah 12v) for Engines start 24v.

Batteries (4x 200Ah 12v) for services 24v.

Battery cut-off switches in Pilot Console.

Battery charger 24v, Mastervolt





Battery parallel switch.

Galvanic protection by sacrificial anode.

Air Conditioning system with hot and cold function, 110.000 BTU, with fancoils in every area, Condaria.

Socket 230v in every area.

Main electrical panels 24v and 230v in engine room.

Remote PLC control with:

- Navigation lights command
- Bilge pumps command and alarm
- Courtesy lighting command
- Engine room blower switch
- Fresh water and fuel level
- Consent to main supply 24V
- Consent to main supply 230V

Buttons in deck and Pilot Console, marine-grade IP67, with light ring.

#### Fresh Water System

Structural GRP fresh water tank, 800 lt, with food-grade interior coating, with level indications on PLC, with inspection.

Level sensor SangiorgioSein.

Electronic fresh water pump, 24v+230v, CEM GDE-MG/3.

Distribution manifolds.

Cold fresh water pipings.

Insulated hot fresh water pipings.

Zazzeri taps and showers with hot/cold system

Boiler in stainless steel for owner bathroom, 230v, 75 lt. ISOTHERM basic series.

Boiler in stainless steel for guest bathroom, 230v, 75 lt. ISOTHERM basic series.

Boiler in stainless steel for crew bathroom, 230v, 75 lt. ISOTHERM basic series.

Stainless steel outboard vent-overfill for water tank.

#### Gray-Black Water System

Structural GRP black water tank, 250 lt, with level indications on PLC, with inspection.

Structural GRP gray water tank, 800 lt, with level indications on PLC, with inspection.

Tecma WC-Bidet (3) Vacuum Flush independent.

Tecma Sanisplit NK (4) grey water system 24V.

Black water tank, with macerator pump 24V.

Stainless steel outboard vent-overfill for black tank, with anti-odor filters.

Underwater waste discharge and dock waste discharge with valves.

#### Oleodynamic System

Oleodynamic complete system, with manifolds, with PTO on gen-set, balanced to power simultaneously main consumers (bow thrusters, anchor windlass, garage opening).

Electric pumps (2) 24V, CFR 6.3cc or similar.

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## Seawater System

Engines Seawater intakes, with brass ball valves, filters and certified pipings.

Services (Genset, AC, or other optionals) system Seawater intakes, with brass ball valves, filters and certified pipings.

Salt water pump for fire extinguishing/chain wash.

## Bilge System

Self-priming 24v bronze pump, for bilge service, CEM type 040.

Self-priming 230v bronze pump, for fire/washing service, CEM type 050.

Switching system for backup between bilge and fire fighting pumps.

Motorized valves in each compartment, with, feedback on PLC, with manual emergency activation, Georg Fischer (4).

Bilge double level sensors, with alarm in PLC.

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## Navigation System

Pilot Console covered FMG fabric with:

- Man Engine instruments
- Engine on/off switches
- Engine electronic Throttles
- Isotta helm wheel with oleodynamic power steering
- Multifunction display GARMIN GPSMAO 8417
- VHF Garmin 300
- Control panel for surface transmissions, JDM
- Gallinea windshield wiper control

Digital Fish Finder Garmin GSD24 with transducer and speed sensor.

Navigation lights to comply COLREG.

Horn.

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## Safety System

Fire extinguishing system for Engine Room, with automatic control and manual control from Pilot Console. Agent: FM-200 non-toxic gas, approved by RINa.

Abus Optical smoke detector in engine room, with acoustic alarm on PLC.

Hand-held extinguishers, 1kg, in each area, approved by RINa.

Life-jackets 150N (12), approved by RINa.

Safety equipment kit for navigation within 50nm from shore, including flares, smoke buoy, light buoy, life ring with rope.

First-aid kit.

Anti-skid knurled flooring in engine room.

MAINDECK

Sunbed and cushions, covered in FMG fabric.

Extractable stern shower, Zazzeri.

Manual stern swimladder.

JL Stereo Speakers (8) SPS M600.

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### Maindeck area

Sunbed and cushions, covered in FMG fabric.  
Extractable stern shower, Zazzeri.  
Manual stern swimladder.  
JL Stereo Speakers (8) SPS M600.  
Deck courtesy lights (48) on sidewalks, QUICK LIGHTING Tina Led or similar.  
Garage with oleodynamic rams, JDM.  
Access to engine room with manual opening hatch.  
Manual fore awning with fabric cover and Seasmart carbon fiber poles (4).  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.

### Saloon / Galley

Pilot seat for 3 people.  
Vitrifrigo DW100RFX Fridge lt. 100.  
Vitrifrigo DW100BTX Freezer lt. 100.  
Vitrifrigo Ice maker.  
Whirlpool ACM 712-X induction hob or similar.  
Samsung smart Owen Combo microwave/grill or similar.  
Stainless steel sink.  
Samsung Tv 55"  
Sofà with cushions in FMG fabric or similar.





Ceiling covered with FMG fabric or lacquered wood.  
Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
QUICK MARINE LIGHTING striped or similar under furniture.  
QUICK MARINE LIGHTING spot LED light .  
Flush deck Hatchway Solimar (2).  
Air Conditioning system with fancoils (5) Condaria.  
Switch and socket Simon Urmet.  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.

#### Owner's Cabin

Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Ceiling covered with FMG fabric or lacquered wood.  
Bulkheads and wall with lacquered finishing or FMG Fabric.  
Manual custom blinds.  
King-size bed with mattress and storage with access from above.  
Flush deck Hatchway Seasmart.  
QUICK MARINE LIGHTING striped or similar under furniture.  
QUICK MARINE LIGHTING spot LED light.  
QUICK MARINE LIGHTING orientable reading lights (2).  
Bose 2.1 audio system.  
Air Conditioning system with fancoils (2) Condaria.  
Switch and socket Simon Urmet.  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.



## Owner's Bathroom

Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Ceiling covered with FMG fabric or lacquered wood.  
QUICK MARINE LIGHTING stripled or similar under furniture.  
QUICK MARINE LIGHTING spot LED light.  
Switch and socket Simon Urmet.  
Planus privilege WC with bidet function.  
Shower box with glass door and stainless steel finishing.  
Shower plate in Comilegno natural Teak.  
Shower seat in Comilegno natural Teak.  
Shower wall in Waterproof paint.  
Glass design washbasin.  
Zazzeri faucet and shower or similar.  
Mirror in front of washbasin.  
Bathroom accessories Foresti e Suardi.  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.



## Guest Cabin

Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
 Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
 Ceiling covered with FMG fabric or lacquered wood.  
 Bulkheads and wall with lacquered finishing or FMG Fabric.  
 Manual custom blinds.  
 Custom-size beds/sofas (2) with mattress.  
 QUICK MARINE LIGHTING striped or similar under furniture.  
 QUICK MARINE LIGHTING spot LED light.  
 QUICK MARINE LIGHTING orientable reading lights (2).  
 Samsung tv 47".  
 Bose 2.1 audio system.  
 Air Conditioning system with fancoils (2) Condaria.  
 Switch and socket Simon Urmet.  
 Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.  
 TV LED HP 42'

## Guest Bathroom

Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
 Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
 Ceiling covered with FMG fabric or lacquered wood.  
 QUICK MARINE LIGHTING striped or similar under furniture.  
 QUICK MARINE LIGHTING spot LED light.  
 Switch and socket Simon Urmet.  
 Planus privilege WC with bidet function.  
 Shower plate in Comilegno natural Teak.  
 Shower wall in Waterproof paint.  
 Glass design washbasin.  
 Zazzeri faucet and shower or similar.  
 Mirror in front of washbasin.  
 Bathroom accessories Foresti e Suardi.  
 Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.





### Crew Cabin

Interior custom furniture in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Storage and drawer in BELLOTTI marine lightweight wood (16mm) paint-finishing.  
Ceiling covered with FMG fabric or lacquered wood.  
Bulkheads and wall with lacquered finishing or FMG Fabric.  
Custom-size beds/sofas (2) with mattress.  
QUICK MARINE LIGHTING striplight or similar under furniture.  
QUICK MARINE LIGHTING spot LED light.  
QUICK MARINE LIGHTING orientable reading lights (2).  
Air Conditioning system with fancoils (1) Condaria.  
Switch and socket Simon Urmet.  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.

### Crew Bathroom

Interior custom furniture in GRP paint-finishing.  
Ceiling covered with FMG fabric or lacquered wood.  
QUICK MARINE LIGHTING spot LED light.  
Flush deck Hatchway Seasmart  
Switch and socket Simon Urmet.  
Planus elite WC with bidet function.  
Shower plate in Comilegno natural Teak and wall in Waterproof paint.  
Glass design washbasin.  
Foresti & Suardi faucet and shower or similar.  
Bathroom accessories Foresti e Suardi.  
Floor in teak, Comilegno first grade, 10mm thick, with Sika sealings.







