



116 YACHT

YACHTS ROYAL



PRINCIPAL CHARACTERISTICS

Classification

Built to RINA Pleasure Craft Rules

Length Overall

35.20m, 115'6"

Beam

7.33m, 24'0"

Draft

2.44m, 8'0"

Displacement

140,000kg , 308,000lb

Fuel capacity (standard)

14,450 litres, 3,817 US gal.

Total long range fuel capacity (with optional tank)

19,400 litres, 5,124 US gal.

Fresh water capacity

4,000 litres, 1,055 US gal.

Black water capacity

1,340 litres, 355 US gal.

Grey water capacity

1,255 litres, 330 US gal.

Accommodation

Up to 12 guests & up to 5 crew members

Engine options

Up to 5,280PS

Performance

Up to 26 knots

Range @ 10 knots

Up to 1,250 nautical miles

Drives

Shafts

STANDARD SPECIFICATIONS

1 Deck Equipment, Anchor Deck and Wheelhouse Deck

Side bulwark door on port and starboard sides

2 x anchor windlasses with hand control

2 x hawses with roller, chain stopper and devil's claw

2 x anchors with galvanised chain

2 x mooring bollards and 4 x fairleads

2 x fairleads with integrated bollards at mid-ships

Anchor and chain wash down

Fresh water deck wash with outlets forward and aft

Handrails with stainless steel stanchions

Safety glass side windows and windscreen

Direct access from the wheelhouse and side deck stairs

Teak-laid side decks and wheelhouse deck area

Non-slip anchor deck area

Low-level lighting alongside decks 24v DC

Sunpads on wheelhouse deck

Seating area with table

Two pairs of marine speakers on wheelhouse deck

Remote control spotlight located on wheelhouse roof

Twin horns located on wheelhouse roof

2 Aft Cockpit and Bathing Platform and Stern Garage

Seating area

Dining table

Bar with stools

Refrigerator

Ice maker

Teak stair treads to flybridge deck

Teak-laid cockpit floor

Teak-laid stair treads on port and starboard sides leading to bathing platform

Teak-laid, hydraulic rise/fall and tilt bathing platform (fixed on outboard sides)

Stainless steel framed sliding doors to main saloon

Side deck door and stairs leading to engine room

Overhead lighting

Two pairs of marine speakers connected to saloon AV system

2 x capstans

2 x stainless steel bollards and 4 x fairleads

2 x stern bollards on outboard fixed sides of bathing platform

Hydraulic retractable gangway

Power operated door leading to stern garage

Stern garage (including recovery system) with storage for optional tender and two jet skis

Bathing ladder

Hot/cold water hand-held swimming shower

Locker with dockside water and deck wash at the stern

Locker with electrical shore power connection at the stern

Television and telephone dockside connection at the stern

Wetbar and stools

3 Flybridge Deck

Direct access from the wheelhouse and from the aft cockpit stairs

Stainless steel framed windscreen

GRP radar arch structure

Lighting on underside of radar arch

Low-level lighting

Three pairs marine speakers

Deckwash outlet

Seating areas

Dining table

Wetbar unit

Five fixed bar stools

Sink with hot and cold water

Fridge

Icemaker

Electric ceramic griddle

Storage cupboard

Stern safety rails

Safety rails around top of staircase

Stainless steel ensign staff and socket

Uplighters in wetbar

4 Flybridge Helm

Individual, manually adjustable pilot and co-pilot seats

Steering position with wheel

GRP console with dashboard panels

Electronic controls for main engines

Analogue engine instrumentation

Bow thruster control

Depth and speed display

Rudder angle indicator

Autopilot repeater

Radar, chart plotter and GPS fed to 2 x PC

repeater displays

Magnetic compass

VHF with DSC

5 Main Saloon

Aft sliding doors in stainless steel and safety glass

Sliding door curtains

Aft console units

Assorted seating

Armchairs

Fitted carpet

Coffee table

Side glazing with curtains

Television (55") on rise and fall

Entertainment system with CD, DVD and Blu-ray

LED overhead lighting

Data point (RJ45)

Telephone point with Dect phone linked to PABX

Air conditioning

220v AC sockets

6 Dining Area

Dining table (for 10 people)

10 x dining chairs

Side console cabinets

Chinaware, glassware and cutlery (12 settings)

Side windows with blinds

Data point (RJ45)

Telephone point

LED overhead lighting

Table Lamps

Air conditioning

Fitted carpet

Access on starboard side to main deck lobby

Door to galley

7 Main Deck Starboard Side Lobby

Access from dining area leading to day head,

main deck stateroom and crew lobby

Stairs leading up to wheelhouse

Stairs leading down to lower deck guest accommodation

Watertight side door (manual) leading to starboard side deck

LED overhead lighting

Side window with blind

Double 220v AC socket

Fitted carpet

8 Raised Wheelhouse

Pilot seat with electric movement control

Main engines electronic controls

Analogue engine instrumentation

Monitoring of boat systems via Tjssens Electro

Marine Personal Assistance 'MPA'

Trim tab control

Bow thruster control

Magnetic compass

Radar, chart plotter and GPS fed to

3 x PC displays

Transas electronic charting system

Autopilot

VHF with DSC and MF radio

Inmarsat C

Navtex receiver

AIS

Depth and speed monitoring via central navigation display

Rudder angle indicator

Windscreen wipers and glass washing system controls

Demisting outlets for windscreen

Searchlight control

Data points x 3 (RJ45)

Telephone points x 3 with 1 phone linked to PABX

3 x double 220v AC sockets

LED overhead lighting

Air conditioning

CD/radio with two speakers

Chart table with storage and chart light

Sofa seating area

Table beside seating area

Stairs leading to main deck

Stairs and framed sliding door leading to flybridge deck

9 Galley

Side window with blind

Safety flooring

Stone worktops

Twin bowl sink with tap

Cabinets and top-box lockers

Electric oven

Microwave

Full-height fridge

Full-height freezer

Icemaker

Dishwasher

Ceramic electric five-zone hob

Extractor fan ducted externally

Rubbish bin

Data point (RJ45)

Telephone point with 1 phone linked to PABX

LED overhead lighting

Lighting on underside of top-box lockers

Air conditioning

6 x double 220v AC sockets

Doors to dining area and crew lobby

10 Main Deck Servery

Safety flooring

Stone worktops

Cabinets

LED overhead lighting

Air conditioning

2 x double 220v AC sockets

Doors to dining area

Undercounter wine cooler

Freestanding coffee machine

Side windows with blinds

11 Day Head

Tecma toilet (220v)

Washbasin and vanity top

Mirror

Taps

Soap dispenser

Toilet roll holder

Towel ring

Toilet brush and holder

Halogen overhead lighting

Extractor fan

Stone floor

Side window with blind

12 Main Deck Master Stateroom

Double berth with sprung mattress, pillows and bedspread

Bedside cabinets

Bedside lights

Television (55") on bulkhead

Entertainment system with DVD, CD and Blu-ray

STANDARD
SPECIFICATIONS... CONTINUED

Upholstered chairs
Full-height glazing and curtains
Dressing table
Low back chair for dressing table
Storage cabinets and drawers
Escape hatch
Fitted carpet
Table lamps
Data point (RJ45)
Telephone point with Dect phone linked to PABX
LED overhead lighting
5 x double 220v AC sockets
Air conditioning
Doors to walk-in wardrobe, toilet room and main deck lobby

13 Main Deck Master Walk-in Wardrobe

Hanging space with rails
Drawers for storage
Safe deposit box
Mirror on back of entrance door
LED overhead lighting
Fitted carpet

14 Main Deck Master Toilet Room

Tecma toilet (220v)
Washbasin and vanity top
Stone floor
Side window with blind
Extractor fan
LED overhead lighting
Taps
Soap dispenser
Towel ring
Toilet roll holder
Toilet brush and holder
Door to en suite
Robe hook

15 Main Deck Master En Suite

2 x washbasins and vanity top
Stone floor
Storage lockers
Mirrors
Bath
Shower cubicle with glass door
Razor socket
Extractor fan
Air conditioning
LED overhead lighting
Taps
Soap dispenser
Toothbrush holder
Towel rings x 2
Robe hooks x 2
Door to toilet room
Laundry basket
Windows with blinds

16 Lower Deck Lobby

Stairs leading from main deck
Step lighting
LED overhead lighting
Fitted carpet
Doors leading to guest cabins

17 Lower Deck Aft Port Stateroom

Double berth with sprung mattress, pillows and bedspread
Bedside cabinets
Bedside lights
Television (32")
Entertainment system with DVD, CD and Blu-ray
Fixed portlights with blind
Dressing table
Stool for dressing table
Escape hatch
Data point (RJ45)
Telephone point with 1 phone linked to PABX
LED overhead lighting
4 x double 220v AC sockets
Air conditioning
Fitted carpet
Doors to walk-in wardrobe, en suite and lobby

18 Lower Deck Aft Port Walk-in Wardrobe

Hanging space with rails
Storage
Safe deposit box
Mirror on back of entrance door
Halogen overhead lighting
Fitted carpet

19 Lower Deck Aft Port En Suite

Tecma toilet (220v)
Washbasin and vanity top
Stone floor
Storage lockers
Mirrors
Shower cubicle with glass door
Razor socket
Portlight with blind
Extractor fan
Halogen overhead lighting
Taps
Soap dispenser
Toothbrush holder
Towel rails x 2
Robe hooks x 2
Toilet roll holder
Toilet brush and holder
Door to guest cabin

20 Lower Deck Aft Starboard Stateroom

Double berth with sprung mattress, pillows and bedspread
Bedside cabinets
Bedside lights
Television (32")
Entertainment system with DVD, CD and Blu-ray

Fixed portlights with blind
Dressing table
Stool for dressing table
Escape hatch
Data point (RJ45)
Telephone point with 1 phone linked to PABX
Halogen overhead lighting
4 x double AC sockets
Air conditioning
Fitted carpet
Doors to walk-in wardrobe, en suite and lobby

21 Lower Deck Aft Starboard Walk-in Wardrobe

Hanging space with rails
Storage
Safe deposit box
Mirror on back of entrance door
Halogen overhead lighting
Fitted carpet

22 Lower Deck Aft Starboard En Suite

Tecma toilet (24v)
Washbasin and vanity top
Stone floor
Storage lockers
Mirrors
Stone seat within shower
Razor socket
Portlight with blind
Extractor fan
Halogen overhead lighting
Taps
Soap dispenser
Toothbrush holder
Towel rails
Robe hooks
Toilet roll holder
Toilet brush and holder
Door to guest cabin

23 Lower Deck Forward Port Guest Cabin

Two single berths with sprung mattresses, pillows and bedspreads
Bedside cabinet
Bedside lights
Television (32")
Entertainment system with DVD, CD and Blu-ray
Fixed portlights with blind
Wardrobe with hanging rail
Safe deposit box
Fitted carpet
Escape hatch
Data point (RJ45)
Telephone point with 1 phone linked to PABX
LED overhead lighting
3 x double 220v AC sockets
Air conditioning
Doors to en suite and lobby

24 Lower Deck Forward Port En Suite

Tecma toilet (24v)
Washbasin and vanity top
Stone floor
Storage lockers
Mirrors
Shower cubicle with glass door
Razor socket
Portlight with blind
Extractor fan
LED overhead lighting
Taps
Soap dispenser
Toothbrush holder
Towel rail
Robe hook
Toilet roll holder
Toilet brush and holder
Door to guest cabin

25 Lower Deck Forward Starboard Guest Cabin

Two single berths with sprung mattresses, pillows and bedspreads
Bedside cabinet
Bedside lights
Television (32")
Entertainment system with DVD, CD and Blu-ray
Fixed portlights with blind
Wardrobe with hanging rail
Safe deposit box
Fitted carpet
Escape hatch
Data point (RJ45)
Telephone point with 1 phone linked to PABX
LED overhead lighting
3 x double AC sockets
Air conditioning
Doors to en suite and lobby

26 Lower Deck Forward Starboard En suite

Tecma toilet (220v)
Washbasin and vanity top
Stone floor
Storage lockers
Mirrors
Shower cubicle with glass door
Razor socket
Portlight with blind
Extractor fan
LED overhead lighting
Taps
Soap dispenser
Toothbrush holder
Towel rails
Robe hook
Toilet roll holder
Toilet brush and holder
Door to guest cabin

27 Crew Lobby

Doors at top of stairs to main deck lobby and galley
Staircase leading to lower deck crew cabins and crew mess
Safety flooring
LED overhead lighting
Lower deck doors leading to crew cabins

28 Crew Mess

Safety flooring
Stone worktop
Cabinets and top-box lockers
Fixed portlight with blind
Crew chinaware, glassware and cutlery (6 settings) with stowage
Data point (RJ45)
Telephone point with 1 phone linked to PABX
4 x double 220v AC sockets
LED overhead lighting
Air conditioning
Sofa seating area
Folding leaf dining table
Television (32")
DVD/CD player with two speakers
VHF handset
Depth and speed display

29 Aft Port Crew Cabin

Twin-bunk berths with foam mattresses, pillows and bedspread
Wardrobe with hanging rail
Fixed portlight with curtains
LED overhead lighting
Data point (RJ45)
Telephone point
220v AC socket
Air conditioning
CD/radio with two speakers
Escape hatch
Fitted carpet
Doors to en suite and lobby

30 Aft Port Crew En Suite

Tecma toilet (220v)
Washbasin
Lockers
Shower
Halogen overhead lighting
Razor socket
Extractor fan
Tap
Toothbrush holder
Toilet roll holder
Folding door to cabin with frosting

31 Aft Starboard Crew Cabin

Twin-bunk berths with foam mattresses, pillows and bedspread
Wardrobe with hanging rail
Fixed portlight with curtains

STANDARD SPECIFICATIONS... CONTINUED

LED overhead lighting
Data point (RJ45)
Telephone point
AC socket
Air conditioning
CD/radio with two speakers
Escape hatch
Fitted carpet
Doors to en suite and lobby

32 Aft Starboard Crew En Suite

Tecma toilet (220v)
Washbasin
Lockers
Shower
LED overhead lighting
Razor socket
Extractor fan
Tap
Toothbrush holder
Toilet roll holder
Folding door to cabin with frosting

33 Forward Starboard Captain's Cabin

Large single berth with foam mattress, pillows and bedspread
Bedside cabinet
Bedside lights
Television (22")
DVD/CD with two speakers
Fixed portlight with curtains
Wardrobe with hanging rail
Safe deposit box
Fitted carpet
Escape hatch
Data point (RJ45)
Telephone point
LED overhead lighting
2 x double AC sockets
Air conditioning
Doors to en suite and lobby

34 Forward Starboard Captain's En Suite

Tecma toilet (220v)
Washbasin and vanity top
Storage lockers
Mirrors
Shower
Razor socket
Extractor fan
LED overhead lighting
Tap

Soap dispenser
Toothbrush holder
Toilet roll holder
Toilet brush and holder
Folding door to cabin with frosting

35 Stern Laundry

Washing machine
Condensing tumble dryer
Overhead lighting
2 x double 220v AC socket
Telephone point
Non-slip safety flooring

36 Covers

Flybridge instrument cover
Flybridge helmseat covers
Wheelhouse helmseat cover
Foredeck sunpad cover
Aft cockpit fixed seating cover
Aft cockpit table cover
Flybridge fixed seating covers
Flybridge bar stool covers
Flybridge table covers
Interior dining table cover
Flybridge sundeck cover
Foredeck table cover

37 Miscellaneous

1 x set Egyptian cotton sheets consisting of, mattress protector, 1 x fitted bottom sheet, 1 x flat top sheet, 1 x Oxford style & 1 x Housewife pillowcase per person
1 x set of towels per person
10 x large fenders with ties
3 x 20m black docking lines
2 x 15m black docking lines
1 x 10m black docking line

38 Engine Compartment and Ancillaries

Bow thruster hydraulic control unit 63kW.
Gearbox driven pumps 80cc (SAE 'C').
(Note: When optional stern thruster is specified, system is designed for simultaneous use, producing 80% performance from each thruster when operated at the same time.)
Power steering – hydraulic control unit with cooling pump – gearbox driven pumps (SAE 'C')
Emergency steering – hydraulic
Garage door and trim tabs hydraulic control unit – 24v
Lifting platform hydraulic control unit – 400v AC

Passerelle hydraulic control unit – 400v AC
1 x watermaker (180 litres/47 US gals per hour)
Emergency steering
Oil exchange system
Air intakes fitted with mist eliminator system & emergency shutdown flaps (automatically operated)
Air extraction fans (AC) fitted with butterfly shutdown dampers
Exhaust gas temperature sensor
Inspection lamp
Basic toolbox
Fluorescent lights (AC)
Emergency lighting (DC)
Simrad RS90 hand set with intercom speaker
Fire alarm systems
Fire hydrant system
Engine room fire extinguishing system (FM200)
Tender garage fire extinguishing system (FM200)
AC/DC electrical outlets (double AC & 1 x 24v outlet)
Power management system panel
Maglite torch
Manual submersible bilge pumps
1 x AC fire pump
Portable CO₂ fire extinguisher

39 Underwater Gear

Bow thruster – hydraulic engine driven (63kW)
Seawater strainers – nickel plated bronze
Full cathodic bonding system to zinc anodes
Hydraulic trim tabs – stainless steel
Propeller shafts – Marinemet 25 – Duplex F51 – high grade stainless steel
High performance rudders – AB2 nickel aluminium bronze
P-brackets – AB2 nickel aluminium bronze c/w water lubricated bearing
Self-aligning shaft seal including spare seal
5-blade NAB bronze propellers

40 Fuel System

Fuel is stored in two dedicated tanks (1 x daily service tank and 1 x main tank) integral with hull structure complete with permanently open vent lines (note: all tanks should not be filled above 95%)
Main engines and generators draw and return from fittings on the day tank located within the engine room
Bunkering to both tanks through individual filling stations, port and starboard each fitted

41 Systems

Hydraulic power steering
Electric toilet system with integral macerator (240v) with two-switch control
Toilets discharging overboard or to black water tank
Black water tank discharging to dockside or overboard
Integral fresh water tank with electric sending unit
Integral GRP fuel tank with electric sending unit
Water pressure system (400v 3 phase 50Hz)
Hot water tank x 2 at 200 litres each (with 3 x 2kW immersion heaters)
Hot water circulating pump 220v AC
Washbasins, showers and air conditioning fan coils to drain to grey water tank
Grey water tank discharging overboard or to black water tank
Chilled water air conditioning system (reverse cycle) 220v AC
Bilge pumping system (400v 3 phase 50Hz)
Manual/automatic fire extinguishing system combined with engines, generators and fans shutdown
Auxiliary hydraulics for trim tabs and platform (24v)

42 Electrical System

Vessels for all markets will be specified with 230/400 Volts 50Hz AC 3 phase power supplies and equipment. Vessels entering the United States markets will be supplied with additional equipment to provide the necessary 120v 60Hz single phase supplies for power receptacles and AV systems
2 x 55kW 400/230v 3 phase 50Hz generators with underwater silent exhaust and sound shield
Tijsen Marine Personal Assistance touch screen based control system which facilitates control and monitoring of all the main ship systems including but not limited to, tank levels, alarms and monitoring, pump control, bilge status and all electrical load management
75 kVA shore power converter
Two dockside AC 100A connection
One power assisted cable retrieval system and one loose cable
Semi-automatic AC power distribution
24v DC electrical system with full circuit-breaker protection
Starter batteries 24v circuit
Domestic batteries 24v circuit
Independent battery back-up for VHF radio
Automatic battery charge distribution
Remote battery switches controlled from aft cockpit locker
2 x domestic service battery charger for 24v circuits
2 x engine battery charger for 24v circuits
1 x emergency battery charger
1 x radio battery charger
3 x 2kW immersion heaters for calorifier
AC sockets throughout the boat
24v hand light and cable
Class approved fire detection system with sensors in all cabins and monitoring beside main helm position
PABX telephone exchange system with telephone hand sets

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