

# PRINCESS 78 MOTOR YACHT

## PRINCIPAL DIMENSIONS

Length overall (incl. pulpit)	79ft 1in (24.10m)
Length overall (excl. pulpit)	78ft 2in (23.83m)
Beam	18ft 9in (5.76 m)
Draft	5ft 6in (1.70m)
Displacement approx. (Twin CAT C32 A)	58,550kgs (129,079lbs)*
Fuel capacity	1249 gal/1501 US gal/5,680L
Water capacity (incl. calorifier)	305 gal/366 US gal/1,386L

## STANDARD EQUIPMENT

Power-assisted steering system
Bow thruster (240kgf/529lbf)
24v DC/240v AC electrical system
240v shore power with 2 x 80-amp float battery charger
220v/240v diesel generator (27kW)
Full air-conditioning
Dual station remote control electric anchor winch
Deck/anchor wash
Electric stern rope mooring winches
Dual station electro-hydraulic trim tabs with indicators
Dual station autopilot
Dual station VHF with DSC R/T with intercom
Colour radar with scanner and GPS/chart plotter (twin displays at lower helm)
Dual station speed and distance log
Dual station echo sounder with alarm
Dual station remote control searchlight
Combination microwave/conventional oven/grill
Full height refrigerator with freezer drawers

Ice maker
Cocktail cabinet with refrigerator
Flybridge bar with sink, barbecue, top loading coolbox, waste bin, storage and optional icemaker
Dishwasher
Washing machine and separate dryer in crew area
Electric quietflush toilets with holding tank
Saloon LED TV/DVD with surround-sound
Flybridge stereo radio/iPod, MP3 dock
Teak-laid transom platform, cockpit deck, flybridge stairway, step to side decks, side decks and flybridge
Flybridge sunbed
Helmsman's door to starboard side deck
Opening door to port side deck
Stainless-steel framed saloon doors
Flybridge crane
Electro-hydraulic raise/lower system to transom platform
Remote control telescopic passerelle
Hot and cold transom shower
Fully fitted crew cabin
Cockpit night cover

## ENGINES – DIESEL

Twin Caterpillar C32 A (2 x 1622mhp)
Speed range: 31–34 knots †
Twin MTU 10V 2000 M94 (2 x 1624mhp)
Speed range: 31–34 knots †
Twin Caterpillar C32 A (2 x 1723mhp)
Speed range: 33–35 knots †

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## DECK FITTINGS

- Teak laid transom platform, cockpit deck, flybridge stairway, step to side decks, side decks and flybridge
- Reversible electric anchor winch with foredeck, main helm and flybridge controls
- Stemhead roller with automatic anchor launch and retrieve
- Self-stowing 50kg Delta anchor with 100m of chain
- Electric twin stern rope mooring winches port and starboard
- Bow rope stowage locker
- Freshwater deck/anchor wash (with both fore and aft deck outlets)
- Coachroof sunbed recess with cushions
- Twin coachroof lockers for storage of fenders, ropes and sunbed cushions
- Foredeck upholstered bench seat
- Stainless-steel bow, stern, transom and spring cleats (2 pairs)
- Stainless-steel pulpit and guard rails
- Forward coachroof handrails
- Bow fairlead
- Canopy handrails
- White PVC high impact rubbing band with stainless-steel insert
- Full set IMCO navigation lights
- Riding light
- Dual station remote control searchlight
- Twin electric horns
- Fuel and water fillers
- Telephone connection point
- Flybridge crane (safe working load 420kg/926lbs)
- Life raft locker
- Stern docking lights

## AFT COCKPIT

- Self-draining
- Upholstered seating
- Deck lighting
- Cockpit cover
- Stainless-steel handrails
- Remote control telescopic passerelle (3.8m)
- Storage locker
- Electro-hydraulic raise/lower transom bathing platform (safe working load 550 Kg), foldaway swimming ladder, hot and cold shower, teak sole and deck light
- Door leading to crew cabin/utility area and engine room area from side deck
- Watertight transom door giving direct access from bathing platform
- Locker housing 240v shore support inlet and shoreline
- Transom stowage compartment

## FLYBRIDGE

- Dual station instrument controls (see Lower Helm Position)
- Helm position with hydraulically raised instrument console

## FLYBRIDGE [CONTINUED]

- Power assisted electro-hydraulic steering with adjustable wheel
- Bilge pump visual and audible warning indicator
- Engine room fire extinguisher warning system
- Chart area
- U-shaped sofa/dinette with additional forward facing seating adjacent to helmsmen seat
- Folding leaf teak table to seat 8
- Bar with sink, barbecue, top loading coolbox, waste bin, storage and optional icemaker
- Large sunbed
- Optional spa bath
- Stereo radio/iPod/MP3 dock
- Aft access from cockpit via hatch
- Wind deflector screens
- Stainless-steel handrails
- Deck-level lighting
- GRP radar arch
- Console and seat covers
- Matched whip aerials for VHF/RT and radio
- Electro-hydraulic crane for tender/wetbike (safe working load 420kg/926lbs)
- Optional GRP hardtop with electric opening section (or optional folding bimini)

## LOWER HELM POSITION

- Instrument console with engine
- Instruments and fuel gauges
- Dual station instruments and controls at Flybridge and Lower Helm Position:
  - › rudder position indicator
  - › electronic engine controls
  - › power-assisted hydraulic steering with adjustable steering wheel
  - › bow thruster control
  - › remote control electric anchor winch
  - › trim tab controls with indicators
  - › autopilot
  - › VHF with DSC R/T with intercom
  - › colour radar (with scanner) & GPS/chartplotter (twin displays at lower helm)
  - › all electronic navigation equipment interfaced with radar and autopilot
  - › speed and distance log
  - › echo sounder with alarm
  - › remote control searchlight
  - › high-speed compass
  - › horn button
- Intercom to flybridge
- Automatic foghorn with loud hailer
- Twin leather upholstered helm seats with electric adjustment
- Triple windscreen wipers with windscreen wash
- Bilge pump controls with visual 'pump running' indicators

## LOWER HELM POSITION [CONTINUED]

- 24v and 240v control panels
- Sunscreen (black mesh)
- Clear toughened glass windscreen for unimpaired night vision
- Helmsman's door to starboard side deck
- 12v outlet
- Red night lighting

## DECK SALOON

- Large seating area to port with 3 seater sofa outboard, two x 2 seater sofas fore & aft and sofa on starboard side
- Entertainment centre incorporating LED TV linked to surround-sound system
- Cocktail cabinet with stainless-steel refrigerator, bottle and glass storage
- Curtains or blinds to all windows
- Overhead downlighters and pelmet lights
- Stainless-steel framed aft cockpit door
- **Dining area:**
  - Separate dining area (8 chairs), dining table on sliding base, glass partition (with blind) to separate from helm area

## GALLEY

- Granite/marble worktop
- Ceramic 4-ring hob
- Extractor fan
- Combination microwave/conventional oven with grill
- Twin-bowl stainless-steel sinks with mixer tap
- Full height fridge/freezer
- Icemaker
- Dishwasher
- Trash compactor
- Overhead and concealed lighting
- Drawers and storage cupboards
- Laid timber floor
- Sliding bar aperture to saloon
- Opening door to port side deck

## ACCOMMODATION

- All cabins feature opening and/or fixed portholes, 240v power points and air conditioning
- All bathrooms feature opening portholes, fresh water Vacuflush toilets with holding tanks and 240v shaver points

## OWNER'S STATEROOM

- Large double bed with drawers below
- Bedside cabinets
- Mirror
- Walk-in wardrobe with additional storage
- Built in safe
- Dressing table with chair
- LED TV/DVD/radio
- Occasional table with seats fore & aft
- Drawers and lockers
- Overhead and individual berth lights

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## OWNER'S STATEROOM [CONTINUED]

### *En-suite bathroom:*

- Twin washbasins with mixer tap
- Separate shower cubicle with auto shower pump out
- Extractor fan
- Optional bidet
- Mirrors
- Storage lockers

## FORWARD STATEROOM

- Large double bed with drawers below
- Walk in wardrobe with shelves
- Mirror
- Dressing table with storage
- LED TV/DVD/radio
- Storage lockers
- Overhead and individual berth lights
- Deck hatch with integrated skylight and blind

### *En-suite bathroom:*

- Washbasin with mixer tap
- Shower cubicle with automatic pump-out
- Extractor fan
- Mirrors
- Storage lockers

## PORT GUEST CABIN

- Two single beds with drawers below
- Wardrobe with shelves
- Mirror
- Bedside table with storage
- High-level lockers
- Overhead and individual berth lights

### *En-suite bathroom:*

- Washbasin with mixer tap
- Shower cubicle with automatic pump-out
- Extractor fan
- Mirror
- Storage lockers

## STARBOARD GUEST CABIN

- Large double bed with drawers below (option of two single berths which slide together to form a double as required)
- Bedside tables with storage
- Wardrobe
- Dressing table
- Overhead and individual berth lights
- Wardrobe

### *En-suite bathroom:*

- Washbasin with mixer tap
- Shower cubicle with automatic pump-out
- Extractor fan
- Mirrors
- Storage lockers
- Starboard shower/WC has access door from passageway as well as from cabin

## CREW CABIN

- Two single berths
- Hanging and storage lockers
- Overhead and individual berth lights
- Access via stairway from cockpit or from transom door via utility room

### *Crew Bathroom:*

- Washbasin with mixer tap
- Shower stall with automatic pump-out
- Extractor fan
- Mirror
- Storage locker

## UTILITY AREA

- Access from transom hatch or via cockpit stairway
- Storage space, cupboards and lockers
- Washing machine and dryer in passageway
- Vacuum cleaner
- Option of single berth as required
- Optional second two berth crew cabin

## INTERIOR FINISH

- Furniture finished in a choice of Serotina Cherry or Light Oak with either a satin or high gloss finish. Walnut is available as an option
- Galley in choice of granite or marble
- Bathroom unit worktops and floors in choice of marble or granite
- Choice of upholstery fabrics, carpets and curtains from co-ordinated range
- Laid-timber galley and helm floors

## POWER AND DRIVE SYSTEMS

- Engine room soundproofed
- High-volume air intakes
- Engine room extractor fan with electronic time delay
- Engine exhaust silencers and water-cooled exhausts
- Engine beds integrally moulded with hull for strength and vibration absorption
- Forward and aft engine-room bulkheads integrally bonded
- Engines flexibly mounted
- Automatic fire extinguisher with remote override control
- Automatic and manual bilge pumps
- Engine-room lighting
- Propeller shafts in Marinemet
- 5-bladed propellers in nickel aluminium bronze
- High-speed balanced rudders
- Cathodic protection for sterngear
- Sterngear, engines, fuel tank fillers, etc all electrically bonded
- Power assisted steering system
- Single-lever electronic engine controls
- Bow thruster (240Kg/529lbs)
- Freshwater supply point in engine room
- Dripless shaft seals

## ELECTRICAL SYSTEM

### *24 Volt:*

- 4 x heavy-duty batteries for engine starting and windlass operation
- 6 x heavy-duty auxiliary batteries
- Engine alternators charge both banks of batteries via automatic switch charging system
- 2 x 80amp battery chargers charge both banks of batteries via an automatic switch charging system
- Battery paralleling system with remote control at helm position
- Remote battery master switches with control switch at main switch panel
- Circuit breakers on all circuits
- 24-12v dropper for certain navigation and radio circuits

### *220/240 Volt:*

- 27kW diesel generator in own soundproof shield with water-cooled and specially silenced exhaust
- 2 x 63-amp shore support inlets
- Generator/shore support change-over switches
- Polarity check system
- Earth leakage safety trip, circuit breakers on all circuits
- Power points in saloon, galley, all cabins and passageway

## FUEL SYSTEM

- Twin fuel tanks (in NS8 marine grade alloy) with interconnection system giving 1206 gallon/5680 litre capacity
- Fuel fillers on both side decks
- High-capacity duplex fuel filters/water traps with changeover cocks and visual contamination warning at console
- Remote fuel shut offs in helm locker
- Fuel gauges at upper and lower helm consoles

## WATER SYSTEM

- Water tanks totalling 304 gallons /1,386 litres including hot water calorifier 40 gallon/182 litre, increasing to 60 gallon/273 litre with optional spa bath
- Water heated 240v immersion heater
- Automatic water pump with filter
- Main circuit breaker at switch panel
- Water level gauge
- Deck filler
- Electric quietflush WC system with 100 gallon (455 litres) holding tank, contents gauge and electric overboard discharge with macerator back-up system as well as dockside discharge system
- Holding tank level gauge on main switch panel

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## FIRE EXTINGUISHERS

- Automatic/manual override fire extinguishers in engine room with warning system at both helm positions and incorporating engine air vent closure system
- Hand-operated fire extinguishers (8) in master stateroom, forward, port, starboard and crew cabins, galley, utility room and lower helm position
- Separate automatic fire extinguisher fitted in electrical space

## BILGE PUMPS

- Automatic electric bilge pumps (with manual override) in engine room,
- forward accommodation and aft (7 in all)
- Electric bilge pumps have controls and warning lights at lower helm and warning light with audible alarm at flybridge helm
- Manually operated high capacity bilge pump with valve system and suction points in lazarette, engine room and other accommodation areas

## OTHER ITEMS SUPPLIED AS STANDARD

- Set of cutlery, crockery and crystal glasses (8)
- Set of towels (8 large, 8 hand)
- Fenders (8) and warps (4)
- Ensign staff
- First aid kit
- Boathook
- Owner's manual
- Engine & equipment manuals
- Tool kit
- Quilted bedspreads for beds in all cabins (except crew cabin)
- Electric vacuum cleaner
- Cockpit cover
- Flybridge covers
- Emergency porthole cover
- Ship's document case