

PRINCESS V85-S

PRINCIPAL DIMENSIONS

Length overall (incl. pulpit)	85ft 0in (25.91m)
Length overall (excl. pulpit)	84ft 0in (25.60m)
Beam	20ft 7in (6.27m)
Draft	5ft 11in (1.81m)
Displacement approx. (Twin Caterpillar 1925mhp)	60 tonnes*
Fuel capacity	1320 gallons (6000 litres)
Water capacity (incl. calorifier)	265 gallons (1205 litres)

STANDARD EQUIPMENT

Power-assisted hydraulic steering system
Dual station hydraulic bow thruster (300kgf)
24v DC/240v AC electrical system
240v shore power with 1 x 100-amp and 1 x 80-amp float battery chargers
220v/240v diesel generator (1 x 27kW, 1 x 13kW)
Full air conditioning
Dual station hydraulic anchor winch
Deck/anchor wash
Stern rope mooring winches
Dual station electric trim tabs with indicators
Dual station autopilot
Dual station VHF with DSC R/T and intercom
Colour radar/chart plotter and GPS
Dual station speed and distance log

Dual station echo sounder with alarm
Dual station searchlight
Combination microwave/conventional oven/grill
Cocktail cabinet with refrigerator
Icemaker
Dishwasher
Laundry centre
Vacuflush toilets with holding tank
Saloon LCD TV with DVD/surround-sound system/cockpit speakers
LCD TV with DVD/CD/radio in both staterooms
Flybridge stereo CD/radio
Teak laid cockpit/side deck/flybridge deck/transom platform
Flybridge coolbox
Helmsman's door to side deck
Stainless steel framed saloon doors
Electrically operated sliding sunroof
Garage for tender and wetbike
Transom platform with electro-hydraulic raise/lower mechanism
Remote control telescopic passerelle
Hot and cold transom shower
Fully fitted crew cabin

ENGINES - DIESEL

Twin Caterpillar C32 Acert (2 x 1925mhp)
Speed range: 33-36 knots †

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DECK FITTINGS

- Teak laid transom platform, cockpit deck, side decks and flying bridge
- Reversible anchor winch with foredeck and helm position controls
- Stemhead roller with automatic anchor launch and retrieve
- 63kg Delta anchor with 100m of chain
- Twin stern rope mooring winches port and starboard
- Bow rope stowage locker
- Freshwater deck/anchor wash
- Coachroof seating and sunbed areas with removable table
- Coachroof stowage lockers (for fenders, table cover etc)
- Stainless steel bow, stern, transom and spring cleats (2 pairs)
- Stainless steel pulpit and guardrails
- Forward coach roof handrails
- White PVC high impact rubbing band with stainless steel insert
- Full set IMCO navigation lights
- Riding light
- Remote control searchlight
- Twin electric horns
- Fuel and water fillers
- Telephone connection point
- Life raft lockers
- Stern mooring lights
- Transom platform with electro-hydraulic lift/lower mechanism

AFT COCKPIT

- Self-draining
- Large sunbed aft
- Upholstered seating
- Cockpit table and chairs
- Deck lighting
- Cockpit cover
- Stainless steel handrails
- Remote control telescopic passerelle (4.4m)
- Single large garage with electro-hydraulic door with space for tender and wetbike and with electric winch launch and retrieve system
- Cockpit bar with sink, icemaker, refrigerator, electric barbecue and storage
- Transom bathing platform incorporating electro-hydraulic raise/lower mechanism and with foldaway swimming ladder, hot and cold shower, teak sole and deck light
- Side door leading to crew cabins and engine room area
- Locker housing 240v shore support inlets and shoreline

FLYING BRIDGE - SUNDECK

- Large sunbed
- L-shaped seating
- Refrigerated coolbox
- Stereo CD/radio
- Wind deflector screens
- Stainless-steel handrails
- Deck-level lighting
- GRP radar arch
- Matched whip aerials for VHF/RT and radio
- Teak deck

OPTIONAL FLYING BRIDGE - DUAL STATION CONTROL

- Helm and navigation seat
- Dual station instrument controls
- Optional radar/chartplotter repeater
- Bilge pump visual and audible warning indicators
- Engine room fire extinguisher warning system
- Chart area

LOWER HELM POSITION

- Instrument panel incorporating:
 - rudder position indicator
 - electronic engine controls
 - power-assisted electro-hydraulic steering
 - bow thruster control
 - remote control anchor winch
 - trim tab controls with indicators
 - autopilot
 - VHF with DSC R/T with intercom
 - colour radar with scanner and GPS/chart plotter (twin displays)
 - all electronic navigation equipment interfaced with radar and autopilot
 - fuel gauges
 - speed and distance log
 - echo sounder with alarm
 - remote control searchlight
 - high-speed magnetic compass
 - horn button
- Face level air conditioning outlets
- Twin leather upholstered helm seats (with electric adjustment)
- Triple windscreen wipers and windscreen wash
- Bilge pump controls
- 24v and 240v control panels
- PVC sunscreens
- Toughened glass windscreen, clear for unimpaired night vision
- Helmsman's door to starboard side deck
- Electric opening roof

DECK SALOON

- U-shaped sofa with coffee table and sofa opposite
- Entertainment centre incorporating LCD TV with powered lift linked to surround sound system
- Curtains or blinds to all windows
- Overhead down lighters and pelmet lights
- Stainless-steel framed aft saloon doors (triple sliding)
- Extending dining table (for 8 people)
- Cocktail bar with refrigerator, icemaker and bottle/glass storage
- Laid timber floor with carpet inlay

GALLEY

- Granite or Marble worktop
- Halogen/ceramic 4 ring hob
- Extractor fan
- Combination microwave/conventional oven with grill
- Twin-bowl stainless-steel sinks with mixer tap
- Refrigerator and deep freeze
- Dishwasher
- Overhead and concealed lighting
- Drawers and storage cupboards
- Laid timber floor

OWNER'S STATEROOM

- Large double bed with drawers below
- Bedside cabinets
- Mirror
- Walk-in wardrobe
- Built-in safe
- Dressing table with chair
- LCD TV/DVD
- Stereo CD/radio
- Four vertical portlights (with one opening) port and starboard
- Drawers and lockers
- Down lighters, concealed lights and reading lights

En-suite shower/WC's:

- Twin washbasins with marble or granite worktops
- Vacuflush WC
- Bidet (optionally available)
- Mirrors
- Storage lockers
- Separate shower compartment with automatic pump out
- Extractor fan

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FORWARD STATEROOM

- Large double bed with drawers below
- Twin wardrobes with shelves
- Mirror
- Dressing table with stowage
- LCD TV with DVD/CD/radio
- Down lighters, concealed lights and reading lights
- Deck hatch

En-suite shower/WC:

- Washbasin with marble or granite worktop
- Shower cubicle with automatic pump-out
- Extractor fan
- Vacuflush WC
- Mirrors
- Storage lockers

PORT AND STARBOARD GUEST CABINS

- Two single beds with storage under berths
- Large wardrobe with shelves
- Bedside table with storage
- High-level lockers
- Down lighters and reading lights

En-suite shower/WC's:

- Vacuflush WC
- Shower cubicle and automatic pump out
- Extractor fan
- Mirrors and storage lockers
- Washbasin with marble or granite worktop
- Starboard shower/WC has access door from passageway as well as from cabin

CREW AREA

- Two separate crew cabins each with choice of one or two berths, wardrobe, under berth storage and storage lockers
- Crew mess area with refrigerator, microwave oven and stainless-steel sink. Table and stools
- Additional deep freeze
- Shower/WC with Vacuflush toilet, mirror, storage locker, separate shower cubicle with automatic pump out and extractor fan

LAUNDRY AREA

- A washing machine and separate dryer are located in the area below the main companionway stairs

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 units and floors fitted with granite or marble
- Choice of upholstery fabrics, carpets and curtains from co-ordinated range
- Timber laid galley floor
- Timber laid saloon floor with carpet inlay

POWER AND DRIVE SYSTEMS

- Raw water flow failure light and audible alarm at the flybridge and lower helm stations
- 5 bladed propellers in nickel aluminium bronze
- 300kgf hydraulic bow thruster
- Engine room lighting
- Engine room access located from side deck door
- Power-assisted electro-hydraulic steering system

POWER AND DRIVE SYSTEMS (CONTINUED)

- Trim tabs with indicators
- Electronic engine and gear shift controls
- Engine room extractor fans with electronic time delay

ELECTRICAL SYSTEM

24 volt:

- 4 x heavy-duty batteries for engine starting (125AH each)
- 6 x heavy-duty auxiliary batteries (125AH each)
- Engine alternators charge both banks of batteries via automatic switch charging system
- 1 x 100-amp and 1 x 75-amp float 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

ELECTRICAL SYSTEM

220/240 Volt:

- 27kW diesel generator and 13kW back up dual generator in own soundproof shields with water-cooled and specially silenced exhausts
- 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 (240v) in all cabins and accommodation areas

AIR CONDITIONING SYSTEM – chilled water

- Saloon – 2 x 12000 BTU (aft)
- 1 x 18000 BTU (forward)
- 1 x 18000 BTU with auxiliary heating for screen demist (helm area)
- Owner's stateroom and bathroom – 2 x 12000 BTU
- Forward guest cabin and bathroom – 1 x 12000 BTU with outlets in cabin and bathroom
- Port guest cabin and bathroom – 1 x 9000 BTU with outlets in cabin and bathroom
- Starboard guest cabin and bathroom – 1 x 9000 BTU with outlets in cabin and bathroom
- Galley – 1 x 9000 BTU
- Crew quarters – 2 x 6000 BTU with outlets in cabins, bathroom and mess area
- Three chiller units located in engine room (108,000 BTU total capacity)

FUEL SYSTEM

- Twin fuel tanks with interconnection system giving 1320 gallons (6000 litres) capacity
- Fuel fillers on port and starboard side decks
- High capacity duplex fuel filters with water separators and changeover valves with sensors connected to warning system at both helm positions
- Remote operated fuel cocks
- Fuel gauges at helm position

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WATER SYSTEM

- Water tank giving 220 gallon (1000 litres) with 45 gallons (205 litres) hot water calorifier
- Automatic water pump with filter
- Main circuit breaker at switch panel
- Water level gauge
- Deck filling point
- Pressurised fresh water WC system (with water-saving vacuum-flush system) linked to 100 gallons (457 litres) holding tank
- Holding tank dock side and overboard discharge with low-noise electric pump and macerator back-up system
- Holding tank level gauge on main switch panel

FIRE EXTINGUISHERS

- Automatic engine room fire extinguisher system (with manual override) and warning system at both helm positions providing automatic shutdown of engines, generators and ventilation fans
- Automatically operated engine room air shutoff system
- Fire extinguishers in all cabins and accommodation areas
- Automatic fire extinguisher in electrical space

BILGE PUMPS

- 7 x automatic electric bilge pumps with manual override in accommodation areas (4), engine room (2) and steering area (1)
- Electric bilge pumps have controls and warning lights at lower helm
- Manually operated high-capacity pump with valve system and additional suction points from all water tight compartments

OTHER ITEMS SUPPLIED AS STANDARD

- Set of cutlery and crockery for 8
- Set of crystal glassware
- Set of towels (8 large, 8 hand)
- Fenders (8) and warps (4)
- Ensign staff
- First aid kit
- Boathook
- Owner's manual and engine manual and tools
- Quilted bedspreads for beds in owner's stateroom, forward guest cabin, port and starboard cabins (except crew cabin)
- Electric vacuum cleaner
- Cockpit cover
- Ship's document case