

# PRINCESS V85-S

## PRINCIPAL DIMENSIONS

Length overall (excl. pulpit)	85ft 0in (25.91m)
Beam	20ft 7in (6.27m)
Draft	5ft 11in (1.81m)
Displacement approx. (Twin CAT C32 Acert)	58,000kgs* (127,867lbs)
Fuel capacity	1320 gal/1585 US gal/6000l
Water capacity (incl. calorifier)	265 gal/318 US gal/1205l

## STANDARD EQUIPMENT

Power-assisted hydraulic steering system
Hydraulic bow thruster (300kgf/661lbf)
24v DC/240v AC electrical system
240v shore power with 1 x 100-amp and 1 x 75-amp float battery chargers
220v/240v diesel generator (1 x 27kW, 1 x 13kW)
Full air-conditioning
Hydraulic anchor winch
Deck/anchor wash
Stern rope mooring winches
Electric trim tabs with indicators
Autopilot
VHF with DSC R/T and intercom
Colour radar with scanner and GPS/chart plotter (twin displays)
Speed and distance log
Echo sounder with alarm
Remote control 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/DVD with CD/radio in both staterooms
Teak laid cockpit/side decks/flying bridge/transom platform
Cockpit and foredeck sunbeds with cushions
Flying bridge coolbox
Helmsman's door to side deck
Stainless-steel framed saloon doors
Electrically operated sliding sunroof
Garage for tender and jet ski
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: 31-34 knots †
Twin MTU 16V 2000 M93 (2 x 2434mhp)
Speed range: 36-38 knots †
Twin MTU 16V 2000 M94 (2 x 2637mhp)
Speed range: 37-40 knots †

# PRINCESS V85-S

## 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/139lb 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
- Lifteraft 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 jet ski 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

- Helm and two navigation seats
- Dual station instrument controls
- Bilge pump visual and audible warning indicators
- Engine room fire extinguisher warning system
- Chart area
- U-shaped seating
- Refrigerated coolbox
- Speakers from saloon stereo system
- Wind deflector screens
- Stainless-steel handrails
- Deck-level lighting
- GRP radar arch
- Matched whip aerials for VHF/RT and radio
- Teak deck

## OPTIONAL SUNDECK

- A large sunbed and L-shaped seating are fitted in place of the helm console and helm and navigation seats.

## LOWER HELM POSITION

- Instrument panel incorporating:
  - ▶ rudder position indicator
  - ▶ electronic engine controls
  - ▶ power-assisted electro-hydraulic steering with adjustable steering wheel
  - ▶ 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
- 12v outlet

## DECK SALOON

- U-shaped sofa with coffee table and sofa opposite
- Entertainment centre incorporating
- 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
- Timber-laid 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
- Timber-laid 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 bathroom:

- 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 bathroom:

- 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 bathroom:

- 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 flying bridge and lower helm stations
- 5 bladed propellers in nickel aluminium bronze
- 300kgf/661lbf hydraulic bow thruster
- Engine room lighting
- Engine room access located from side deck door
- Power-assisted electro-hydraulic steering system
- Trim tabs with indicators
- Electronic engine and gear shift controls
- Engine room extractor fans with electronic time delay
- Dripless shaft seals

## 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

## 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 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 /1585 US 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 gallons/264 US gallons (1000 litres) with 45 gallons /54 US 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/121 US 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