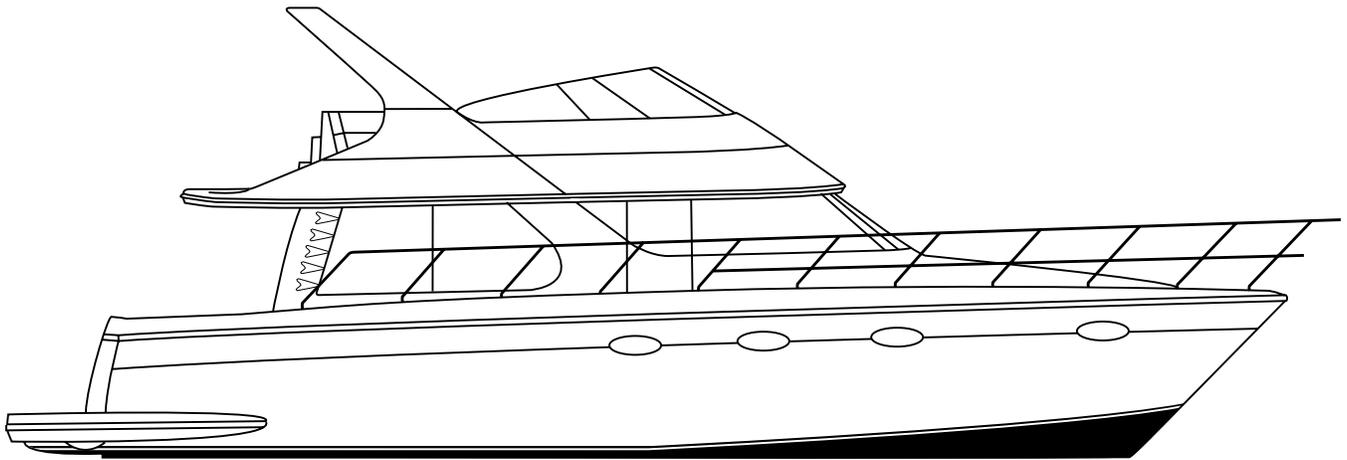




450 VOYAGER

PILOTHOUSE



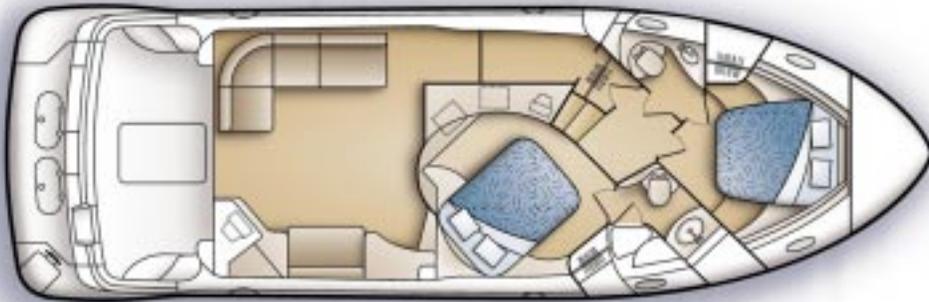
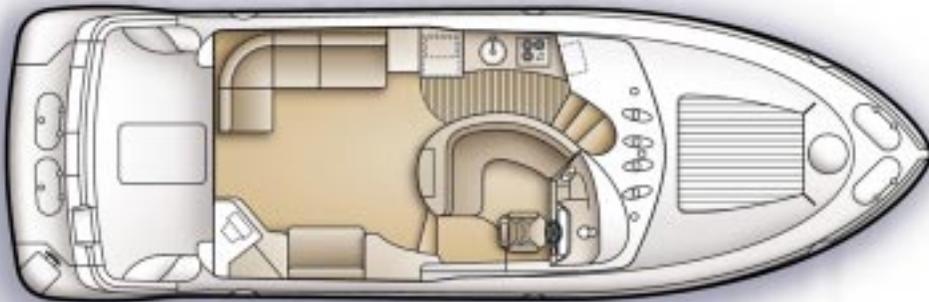
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450 VOYAGER PILOTHOUSE

SPECIFICATIONS

LOA (w/platform)	46'11"	14,30 m
Beam	14'11"	4,55 m
Draft	43"	1,09 m
Bridge Clearance w/arch	19'11"	6,07 m
Weight (w/fuel & water)	39,600 lbs.	17963 kg
Water System	150 U.S. gals.	567,8 liters
Waste System	80 U.S. gals.	302,83 liters
Fuel System	560 U.S. gals.	2119,82 liters
Twin inboards (diesel)		
Cabin Headroom	6'8"	2,03 m
Sleeps	4 (6 optional)	





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STANDARD FEATURES

CONSTRUCTION

- Structural engine mountings - longitudinal stringer span mounting with reinforced, double-gusseted angle steel plates
- Fabricated aluminum floor frames with stainless steel stanchions
- Hand-laid, molded fiberglass components featuring composite laminate hullsides, decks, and cabintops
- Molded fiberglass stringer system
- Cherry wood bulkheads, cabinetry, and trim throughout cabin, with high-gloss finish
- Solid fiberglass hull bottoms with Knytex substrates and Vinylester barrier coat
- Tinted, tempered safety glass frameless window systems
- Unitized deck, cockpit, and cabintop construction with integral aluminum truss reinforcement in cabintop structure

MECHANICAL

- Air conditioning with reverse cycle heat, dedicated shore power connector
- Bow thruster
- Cutlass bearings - synthetic rubber composite
- Dripless shaft logs with spare seals
- Exhaust mufflers - engines, generator
- Fresh water cooling - engines
- Fuel tanks - welded, baffled 5052 aluminum
- Hydraulic steering
- Propellers - manufacturer-certified
- Propeller shafts - aquamet
- Rudders - 421 manganese bronze
- Seawater strainers
- Struts - 421 manganese bronze
- Trim tabs - stainless steel, hydraulic

ELECTRICAL

- AC/DC distribution panels with magnetic circuit breakers and integral generator and bilge blower controls; AC and DC voltmeters; AC ammeter
- Batteries (8) - deep cycle, marine (12V)
- Battery chargers (3) - electronic, AC-DC converters
- External connectors - CATV, telephone
- Generator - 13.5 kW, diesel
- Ground Fault Circuit Interrupt (GFCI) protection - all 110V outlets
- Inverter
- Shore power connectors (2) - 50 amp
- Shore power cords (2) - 50 ft.
- Wiring system - tinned copper strand wire, harnessed, color-coded, labeled, meets or exceeds ABYC standards

WATER & WASTE SYSTEMS

- Central grey water system
- Fresh water system - pressurized (12V), with large-capacity filter
- Fresh water storage tanks (2) - polyethylene
- Fresh water tank level monitor
- Grey water sump pump - automatic/manual operation
- Handshower - fresh water, hot and cold, in cockpit
- Shore water connection with pressure-reduction valve
- Washdown - fresh water, bow and transom
- Waste holding tanks (2) - with filtered vents and dockside pumpouts
- Waste tank level monitors (2)
- Water and waste lines - constructed of molecularly cross-linked polyethylene
- Water heater - 11 gallons (110V)

SAFETY & NAVIGATION

- Anodes - zinc, sacrificial
- Battery master disconnect switches
- Battery restraint brackets and boxes
- Bilge alarm - high water
- Bilge blowers (12V)
- Bilge pumps (3) - 2000 gph each, automatic/manual operation
- Bronze valves for all underwater thru-hulls
- CO detectors in salon and staterooms
- Compass - illuminated, dual-read
- Engine alarms - temperature and oil pressure
- Fire suppression system - automatic, FE241 (FM200 in European Community)
- Fog bell - 8", stainless steel
- Galvanic isolator/zinc saver
- Horns - dual, air/electric (12V), trumpet
- Internal bonding system
- Isolation transformers on the internal shore power lines
- Molded nonskid surfaces on all walk decks - diamond pattern
- Navigation lights (COLREGS)
- Spotlight
- Windlass package - with 44 lb. anchor and 200 ft. of 5/16" chain

BRIDGE

Aft Bridge Extension

- 48.5 ft² (approx.)
- Hand rail - stainless steel, on transom
- Light - courtesy, recessed

Command Bridge

- 110V outlet - GFCI protected
- Beverage holders (5) - self-draining
- Electronics arch - custom aluminum with acrylic polyurethane surface coating and UV protection



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- Electronics arch access plates (5)
 - corrosion-resistant polymer attached with noncorroding screws and waterproof sealant
- Lights (2) - halogen, courtesy, recessed
- Lights (2) - halogen, overhead, recessed
- Lounge - double-wide, starboard side, with storage beneath
- Lounge - U-shaped, port side, accommodates 5 adults
- Self-draining walk surface
- Stereo speakers (2) - pre-wired
- Table - fiberglass
- Wet bar - self-draining sink, preparation surface, bottle storage beneath, stainless steel grab rail on front and side
- Windshield - wraparound, aluminum frame

Helm

- Access panel - provides access to wiring below helm
- Accessory space - for installing navigation equipment
- Adapter - 12V
- Beverage holders (4) - self-draining
- Companion seat - pedestal, adjustable, high-quality marine-grade upholstery, embroidery stitching
- Dash - fiberglass with faux leather accents
- Helm seat - pedestal, adjustable, high-quality marine-grade upholstery, embroidery stitching
- Light - courtesy, recessed
- Telephone connector
- Tilt steering wheel

Instrumentation

- Gauges - synchronizer, rudder angle (multi-gauge); digital tachometer with hourmeter (1 per engine); oil pressure, engine temperature, engine battery voltage, fuel level, (multi-gauge, 1 per engine)
- Rocker switch controls

DECK

Side Decks

- Bow rail - 1.25" O.D., lineal-buffed, welded stainless steel, with additional intermediate rail amidships and forward
- Bow rail stanchions - double-welded (inside and outside), stainless steel, anchored to aluminum backing plates laminated into deck
- Cleats (4) - 10" spring, stainless steel, bolted through aluminum backing plate
- Deck toe rail
- Grab rail - stainless steel, over cabin windows, running length of cabin and above windshields
- Pilothouse door - starboard side deck, sliding, stainless steel grab handle
- Rail gate - starboard side
- Rub rail molding - heavy-duty, stainless steel insert

Fore Deck

- Bow lockers (2) - in-deck, self-draining, for fender storage and anchor chain locker access
- Cleats (2) - 12" stainless steel, bolted through aluminum backing plate
- Cleat - 12" stainless steel for anchor line, bolted through aluminum backing plate
- Sunpad
- Windshield weather covers - black mesh

COCKPIT

- 62 ft² (approx.), integral to hull and deck, self-draining
- 110V outlet - GFCI protected
- Aft bridge extension stairway - integral, diamond pattern non-skid steps, with stainless steel hand rail
- Bolsters - padded, on port and starboard weatherboards
- Cleats (2) - 12" stainless steel, bolted through aluminum backing

plate, inboard-mounted with stainless steel hawse pipes

- Grab rails (2) - stainless steel, by side deck stairways
- Grab rail - stainless steel, on top of transom
- Hatch - engine room access, 3' x 4.5', guttered, watertight
- Lights (5) - halogen, courtesy, recessed, with exterior-mounted switch
- Lights (4) - halogen, overhead, recessed, with exterior-mounted switch
- Overhead sun/weather protection - 62" from cabin toward stern
- Side deck stairways (2) - integral to deck
- Stereo speakers (2) - pre-wired
- Storage locker - recessed beneath aft bridge extension stairway
- Transom door - aluminum, secures closed, stainless steel hardware

ENGINE ROOM

- Bilges coated with white, low-VOC gelcoat
- Bulkheads laminated to hull sides and stringers
- Catwalk - diamond plate aluminum
- Access ladder - swings up
- Insulation - acoustical and thermal, vinyl vapor barrier
- Lights (6) - overhead, fluorescent, controls in cockpit

BOARDING PLATFORM

- 40 ft² (approx.), integral to hull and deck
- Boarding ladder - telescoping, with grab rail, concealed in boarding platform
- Hand rail - stainless steel, starboard transom
- Storage lockers (2) - in-deck, self-draining
- Storage lockers (2) - transom, for stowing shore water hoses and shore power lines



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SALON

- 110V outlets (3) - GFCI protected
- AC and DC main distribution panels
- Carpet - tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Countertops - sapele pommele inlay with cherry wood trim
- Curtain - décor-matched, over entrance door
- Décor package - 10-piece decorator pillow set
- Designer décor
- Entertainment group - 20" TV, 110V component stereo including AM/FM receiver, 5-disc DVD changer, 2 speakers each in salon, pilothouse
- Entrance door - stainless steel frame, curved, sliding, 45" x 72", handle lock, deadbolt, neutral density glass, with interior screen
- Light - halogen, over entertainment group, directable
- Lights (6) - halogen, overhead, recessed, with electronic dimmer controls
- Lounge - Flexsteel, Ultraleather, with double incliners and chaise
- Miniblinds - décor-matched
- Rocker light switches
- Sofa - Flexsteel, Ultraleather, storage beneath
- Storage cabinets (4)
- Telephone connector
- Wet bar - mirror-backed, cherry wood cabinet, granite top, halogen light over sink, bottle storage on either side of sink and beneath

GALLEY

- 110V outlet - GFCI protected
- AC and DC distribution panels
- Coffee maker
- Countertops - granite
- Designer décor
- Flooring - wood plank
- Hardware highlights - brass/chrome
- Lights (4) - halogen, overhead, recessed

- Oven - convection / microwave, built-in
- Range - electric, 3-burner, smooth top
- Range vent
- Refrigerator/freezer - upright
- Rocker light switches
- Sink - undermounted
- Storage cabinets (4)
- Storage drawers (4)

PILOTHOUSE

- 110V outlet - GFCI protected
- Beverage holders (2) - recessed, integrated
- Carpet - tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Circuit breakers - for helm controls
- Helm seat - Flexsteel, Ultra-leather
- Lights (4) - halogen, overhead, recessed
- Lounge - U-shaped, Ultraleather
- Night operations light - halogen, red illumination
- Overhead panel - flush-mounted, for navigation equipment
- Side deck door - starboard, sliding
- Rocker light switches
- Telephone connector
- Windshield defoggers (3)
- Windshield wipers (3) - pulse, each with fresh water washer

COMPANIONWAY TO STATEROOM LEVEL

- Alcove - two-shelf, mirror-backed, with halogen, overhead, recessed light
- Carpet - tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Closet - walk-in, with hanging bar and recessed shelves
- Hand rail - stainless steel, on stairway
- Lights (3) - halogen, courtesy, recessed
- Light - halogen, overhead, recessed
- Rocker light switches

- Storage - crawlspace, carpeted, accessed through closet

MASTER STATEROOM

- 110V outlets (2) - GFCI protected
- Berth - queen, inner-spring mattress, island
- Berth endtables (2) - sapele pommele inlay with cherry wood trim
- Carpet - tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Countertops - sapele pommele inlay with cherry wood trim
- Designer décor
- Entrance door - 2-panel, solid cherry wood frame with sapele pommele panels exterior, cherry wood panels interior, pocket-style, secures open and closed, stainless steel hardware
- Hanging lockers (2) - cedar-lined, carpeted, light
- Lights (2) - halogen, over berth head, recessed
- Lights (7) - halogen, overhead, recessed
- Miniblinds - décor-matched
- Mirror over berth
- Portlights (2) - screened
- Rocker light switches
- Sheet set - embroidered, fitted sheet, flat sheet, two pillow cases
- Storage beneath mattress
- Storage cabinets (4)
- Storage drawers (4)
- Telephone connector

MASTER HEAD

- 110V outlet - GFCI protected
- Entrance door - cherry wood with frosted glass and Queen Ann grill, secures closed, stainless steel hardware
- Hardware highlights - brass/chrome
- Head fan
- Light - halogen, overhead, recessed
- Lights (2) - halogen, over vanity, recessed



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- Medicine cabinets (3) - mirrored doors, 3 shelves
- Mirrored ceiling
- Nonskid sole
- Rocker light switches
- Soap dish - solid glass, wall-mounted
- Toilet - vacuum flush, pedestal
- Towel bar
- Towel ring
- Towel set - bath towel, hand towel, washcloth
- Vanity - solid surface top and backsplash, integral sink, 2 shelves beneath with 2 doors

Shower Stall

- Bench seat - integral
- Entrance door - clear acrylic in aluminum frame with matching sidelight, bi-fold, secures open and closed
- Light - halogen, overhead, recessed
- Nonskid sole
- Portlight - screened, privacy glass
- Shower head - adjustable height, detachable for use as hand-shower
- Towel bar

VIP STATEROOM

- 110V outlets (2) - GFCI protected
- Berth - oversized queen, island
- Berth step-ups (2) - carpeted
- Carpet - tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Curtains - décor-matched
- Designer décor
- Entrance door - 2-panel, solid cherry wood frame with sapele pommele panels exterior, cherry wood panels interior, secures open and closed, stainless steel hardware
- Hanging locker - cedar-lined, 2 shelves, automatic light
- Ledge tops - cherry wood
- Lights (2) - halogen, overhead, directable for reading
- Lights (8) - halogen, overhead, recessed

- Mirrored headboard
- Overhead hatch - translucent, lockable, inside screen
- Portlights (2) - screened
- Private guest head access
- Rocker light switches
- Sheet set - embroidered, fitted sheet, flat sheet, two pillow cases
- Stereo speakers (2) - with volume control
- Storage beneath mattress
- Telephone connector

GUEST HEAD

- Entrance doors (2) - one to VIP stateroom (2-panel cherry wood) and one to companionway (2-panel, solid cherry wood frame with sapele pommele panels exterior, cherry wood panels interior), secure closed, stainless steel hardware
- Hardware highlights - brass/ chrome
- Head fan
- Lights (2) - halogen, overhead, recessed
- Lights (2) - halogen, over vanity, recessed
- Medicine cabinet - mirrored doors, 1 shelf
- Mirrored ceiling
- Nonskid sole
- Portlight - screened, privacy glass
- Rocker light switches
- Shower curtain - décor-matched, with matching tie-back
- Toilet - vacuum flush, pedestal
- Toilet paper holder - mounted in vanity
- Towel bar
- Towel set - bath towel, hand towel, washcloth
- Vanity - solid surface top, backsplash and integral shelf; integral sink; 1 shelf beneath with 1 door; sink spigot detachable for use as handshower



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OWNER PREFERENCE ITEMS

PROPULSION

Diesel Engines

- Cummins 370B
- Cummins 450C
- Cummins 480C-E
- Volvo TAMD 63P
- Volvo TAMD 74P/75P EDC

MECHANICAL

- Engine monitor panels for Volvo 74P/75P EDC engines
- Engine oil change system
- Stern thruster
- Synchronizer for Cummins 370B, 450C, or Volvo TAMD 63P engines

ELECTRICAL

- Cablemaster for shore power
- Forward shore power connector
- Generator - Kohler 15.5 kW

WATER & WASTE SYSTEMS

- Grey water holding system (not available with dishwasher or washer/dryer)
- Waste tank overboard discharge with pump

Transom and Bow Washdowns

- Both fresh and seawater
- Seawater only

SAFETY & NAVIGATION

- Autopilot
- Davit - single-function (not available with aft bridge extension sunpad)
- Dinghy storage cradle (not available with aft bridge extension sunpad)

- Powered pilothouse helm chair
- Tender package - Zodiac 310 Rib inflatable with 9.9hp Yamaha engine (available only with davit)
- Transom docking lights

Electronics Package

- Bridge
- Bridge and pilothouse
- Pilothouse

Spare Propellers and Shaft

- For Cummins 370B, 450C, or Volvo 63P engines
- For Cummins 480C-E or Volvo TAMD 74P/75P EDC engines

Video Monitor System

- Bridge
- Bridge and pilothouse
- Pilothouse

EXTERIOR AMENITIES

- Bridge cover
- Carpet
- Cockpit cover
- Hatch - at top of aft bridge extension stairway
- Helm and seat covers
- Stereo - AM/FM receiver with CD changer, remote control, and 4 speakers
- Sunpad - aft bridge extension, with safety rail (not available with dinghy storage cradle or davit)

Canvas

- "Prestige" bimini top
- "Prestige" full bridge canvas with carpet

Canvas Color

- Black Sunbrella
- White Sunbrella
- Captain's navy
- Toast

Bridge Wet Bar

- With icemaker
- With refrigerator

DÉCOR

Ensemble

- Elegance (beige/black)
- Horizon (blue/green)

Granite Galley Countertops

- Black galaxy
- Sunset gold

Coordinated Head Countertops

- Black magic (black)
- Harvest moon (light brown)
- Savannah (neutral)

Ultraleather Color

- Silk
- Silk/ecru (2-tone)
- Butterscotch
- Butterscotch/honey (2-tone)

Carpet

- Beige
- Golden brown

CABIN AMENITIES - SALON

- Central vacuum system
- Intercom system - 4 stations
- Pillow set - decorator, 6-piece
- Sofa - Flexsteel, Ultraleather, with tri-fold stowaway bed
- Stereo - standard + surround sound system



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CABIN AMENITIES - GALLEY

- Dishwasher - large capacity (not available with trash compactor)
- Trash compactor (not available with dishwasher)

CABIN AMENITIES - FORWARD

- Stereo - in master stateroom
- TV & DVD - 15" color LCD, in master stateroom
- TV & DVD - 15" color LCD, in VIP stateroom
- Washer and dryer - stacked, in companionway closet

MISCELLANEOUS

- Loading charge
- Shipping cradle
- Shrink wrap



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