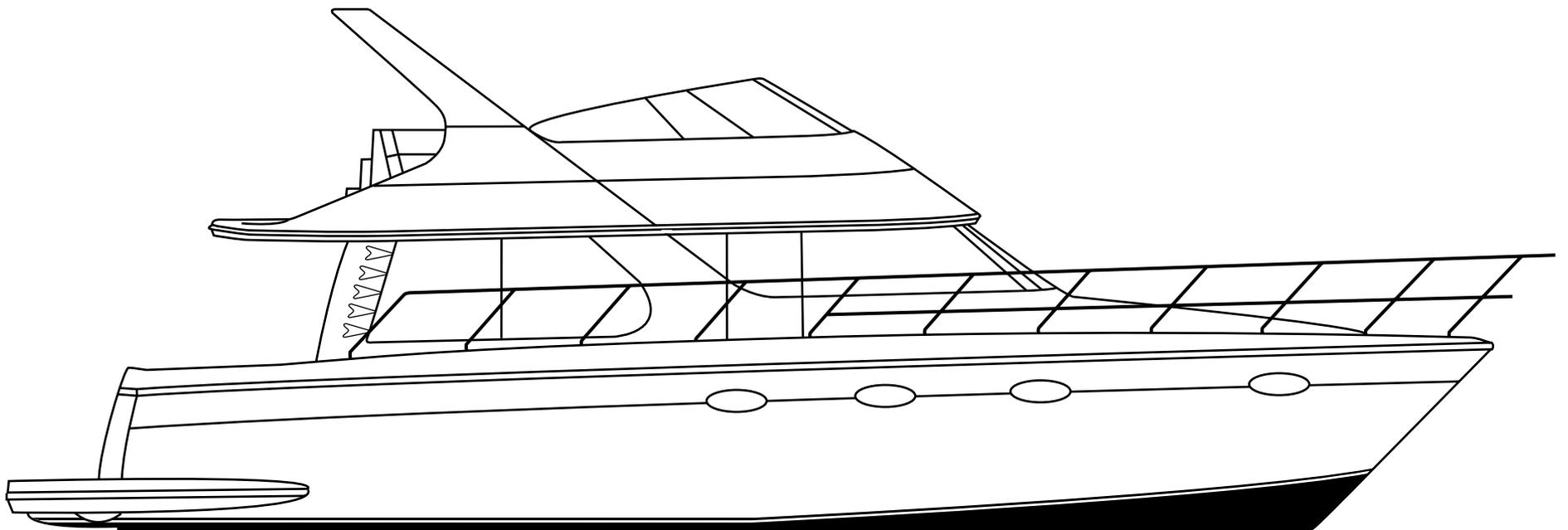




# 450 VOYAGER

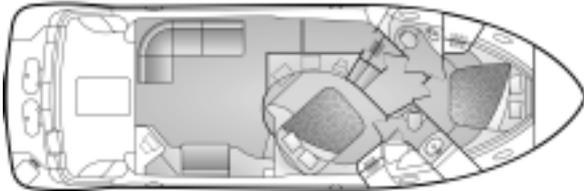
PILOTHOUSE





# 450 VOYAGER

## PILOTHOUSE



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	6	

## 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

- Dripless shaft logs with spare seals
- Exhaust mufflers - engines
- Exhaust muffler - 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
- Cutlass bearings - synthetic rubber composite
- 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 and DC ammeters
- Batteries (4) - deep cycle, marine (12V)
- Battery chargers (3) - electronic, AC-DC converters
- External connectors - CATV, telephone
- Generator - 10.0 kW, diesel (not available with air conditioning)
- Ground Fault Circuit Interrupt (GFCI) protection - all 110V outlets
- Inverter
- Shore power connector - 50 amp
- Shore power cord - 50 ft.
- Wiring system - tinned copper strand wire, harnessed, color-coded, labeled, meets or exceeds ABYC standards

### WATER & WASTE SYSTEMS

- Central drain system
- Fresh water system - pressurized (12V), with large-capacity filter
- Fresh water storage tanks (2) - polyethylene
- Grey water sump pump - automatic/manual operation
- Shore water connection with pressure-reduction valve
- Waste holding tanks (2) - with dockside pumpouts
- 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 blowers (12V)
- Bilge pumps (3) - 2000 gph each, automatic/manual operation
- 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)
- Bronze valves for all underwater thru-hulls

### BRIDGE

#### Aft Bridge Extension

- 48.5 ft<sup>2</sup> (approx.)
- Light - courtesy, recessed

#### Command Bridge

- 110V outlet - GFCI protected
- Beverage holder - recessed, integral, near double-wide lounge
- Beverage holders (5) - behind large lounge
- Electronics arch - custom aluminum with acrylic polyurethane surface coating and UV protection
- Electronics arch access plates (5) - corrosion-resistant polymer attached with noncorroding screws and water-proof sealant

- Hand rail - stainless steel, across front and down side of wet bar
- Lights (2) - courtesy, recessed
- Lights (2) - overhead, recessed
- Lounge - double-wide, starboard side, with storage below
- Lounge - port side, accommodates 5 adults
- Seat covers
- Self-draining walk surface
- Storage cabinet - under wetbar
- Table - 48" x 34" oval
- Wet bar - self-draining with sink and 12" x 14.5" preparation surface
- Windshield - wraparound aluminum frame with opening side vents

#### Helm

- Access hatch - 48" x 13" provides access to wiring below helm
- Accessory space - for installing optional navigation equipment
- Adapter - 12V
- Beverage holders (3)
- Companion seat - pedestal, adjustable
- Helm cover
- Helm seat - pedestal, adjustable, high-quality marine-grade upholstery, embroidery stitching
- Light - courtesy, recessed
- Telephone connector
- Tilt steering wheel

#### Instrumentation

- Gauge - combination synchronizer/rudder angle, digital tachometer (1 per engine)
- Multi-gauges (1 per engine) - oil pressure, engine temperature, engine battery voltage, and fuel level
- 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, through-bolted through aluminum backing plate
- Companionway door - starboard side deck, sliding, 11" long stainless steel grab handle and latch
- Deck toe rail
- Grab rail - stainless steel, over cabin windows, running length of cabin and above windshields
- Rail gate - starboard side
- Rub rail molding - heavy-duty, stainless steel insert

### Fore Deck

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

## COCKPIT

- 110V outlet - GFCI protected
- Aft bridge extension stairway - integral, with 43" stainless steel hand rail, diamond pattern nonskid steps
- Cleats (2) - 12" stainless steel, through-bolted through aluminum backing plate, inboard-mounted with stainless steel hawse pipes
- Grab rail - 60" stainless steel, on top of transom
- Grab rails (2) - 41" stainless steel next to side deck stairways
- Hatch - engine room access, 3' x 4.5', guttered, watertight, supported by gas shocks
- Lights (5) - courtesy, recessed, with exterior-mounted switch
- Lights (4) - overhead, recessed, with exterior-mounted switch
- Overhead sun/weather protection - 62" from cabin toward stern
- Side deck stairways (2) - integral to deck
- Locker - under aft bridge extension stairway
- Transom door - fiberglass, stainless steel latch

## ENGINE ROOM

- Bilges coated with white, low-VOC gelcoat
- Bulkheads laminated to hull sides and stringers
- Insulation - acoustical and thermal, vinyl vapor barrier

- Lights (6) - overhead, 23" fluorescent, controls in cockpit
- Diamond plate aluminum catwalk

## BOARDING PLATFORM

- 40 ft<sup>2</sup> (approx.), integral to hull and deck
- Boarding ladder - retractable, telescoping, with grab rail, concealed in boarding platform
- Fuel fittings - port and starboard transom
- Hand rail - 18" stainless steel on starboard transom
- Lockers (2) - in-deck, self-draining
- Lockers (2) - transom, for stowing shore water hoses and shore power lines

## SALON

- 110V outlets (3) - GFCI protected
- AC and DC main distribution panels
- Carpet - Gold Rush, tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Decorator pillows
- Designer décor
- Entertainment group - TV; VCR; and 110V component stereo including AM/FM receiver, 5-disc DVD/CD changer, 2 speakers in salon, and 2 speakers in pilothouse
- Entrance door - stainless steel frame, curved, sliding, 45" x 72", handle lock, deadbolt, neutral density glass, with interior screen
- Hardware highlights - brass/chrome
- Light - overhead, directable, above entertainment group
- Lights (7) - overhead, recessed
- Loveseat - Flexsteel, Pecan Ultraleather, with storage beneath
- Miniblinds - décor-matched
- Rocker light switches
- Sofa - Flexsteel, Pecan Ultraleather, with double incliners
- Telephone connector
- Wet bar - mirror-backed, solid surface top, 2 shelves in cabinet below

## GALLEY

- 110V outlet - GFCI protected
- AC and DC distribution panels
- Coffee maker
- Designer décor
- Flooring - wood plank
- Hardware highlights - brass/chrome
- Lights (4) - overhead, recessed
- Microwave/convection oven - built-in
- Range - electric, three-burner
- Range vent
- Refrigerator/freezer (upright)
- Rocker light switches
- Sink - integral, with flush-fit solid surface cover
- Solid surface countertops and backsplash
- Storage - under sink
- Storage drawers
- Storage cabinets
- Towel bar

## PILOTHOUSE

- 110V outlet - GFCI protected
- Beverage holders (2) - recessed, integrated

- Carpet - Gold Rush, tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Circuit breakers - for helm controls
- Decorator pillows
- Helm seat - Flexsteel, black Ultraleather
- Lights (4) - halogen, overhead, recessed
- Lounge - U-shaped, Pecan Ultraleather
- Night operations light - halogen, red illumination
- Overhead panel - 38.5" x 13" flush-mounted, for electronics
- Pilothouse door - to starboard side deck
- 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 overhead, recessed light
- Carpet - Gold Rush, tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Hand rail - 38" stainless steel, on stairway
- Lights (3) - courtesy, recessed
- Light - halogen, overhead, recessed
- Rocker light switches
- Walk-in closet - hanging bar, recessed shelves
- Storage - accessed through walk-in closet

## MASTER STATEROOM

- 110V outlets (2) - GFCI protected
- Bedside endtables (2) - solid surface tops
- Berth - queen, inner-spring mattress, island
- Carpet - Gold Rush, tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Decorator pillows
- Designer décor
- Entrance door - pocket-style, secures open and closed, stainless steel hardware
- Hanging locker - cedar-lined, 20" hanging bar, automatic light
- Hanging locker - 23" hanging bar
- Hardware highlights - brass/chrome
- Lights (2) - reading, recessed
- Lights (5) - halogen, overhead, recessed
- Miniblinds - décor-matched
- Mirror over berth
- Portlights (2) - screened
- Rocker light switches
- Sheet set - fitted sheet, flat sheet, and two pillow cases, embroidered
- Storage - beneath berth
- Storage cabinets (5)
- Storage drawers (4)
- Telephone connector

## MASTER HEAD

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

- Medicine cabinets (3) - mirrored, 3 shelves
- Mirrored ceiling
- Rocker light switches
- Soap dish - wall-mounted, solid glass
- Toilet - electric flush, pedestal
- Toilet paper holder
- Towel bars (2) - 18" and 8"
- Vanity - solid surface top, 2 shelves below with 2 doors

## Shower Stall

- Bench seat - integral
- Entrance door - bi-fold, clear glass, secures open and closed
- Light - overhead, recessed
- Portlight - screened
- Shower head - adjustable height, detachable for use as handshower
- Towel bar - 36"

## GUEST STATEROOM

- 110V outlets (2) - GFCI protected
- Berth - oversized queen, island
- Carpet - Gold Rush, tufted cut pile, 65 oz., crush-resistant, 100% nylon
- Decorator pillows
- Designer curtains - décor-matched
- Designer décor
- Entrance door - secures open and closed, stainless steel hardware
- Hanging locker - cedar-lined, 27" hanging bar, 2 shelves, automatic light
- Hardware highlights - brass/chrome
- Lights (2) - directable reading, recessed
- Lights (8) - halogen, overhead, recessed
- Mirrored headboard
- Overhead hatch - circular, 20.5" diameter, lockable, inside screen, over berth
- Portlights (2) - screened
- Rocker light switches
- Sheet set - fitted sheet, flat sheet, and two pillow cases, embroidered
- Step-up on each side of berth - carpeted
- Storage - beneath berth
- Telephone connector

## GUEST HEAD

- Entrance doors (2) - one to guest stateroom and one to companionway, secure closed, stainless steel hardware
- Hardware highlights - brass/chrome
- Head fan
- Lights (2) - halogen, overhead, recessed
- Lights (2) - halogen, over vanity, recessed
- Medicine cabinet - 2 mirrored doors, 1 shelf
- Mirrored ceiling
- Portlight - screened
- Rocker light switches
- Toilet - electric flush, pedestal
- Toilet paper holder
- Towel bar - 18"
- Vanity - solid surface top, backsplash and integral shelf; integral sink; 1 shelf below with 1 door; sink spigot detachable for use as a handshower



# 450 VOYAGER

## PILOTHOUSE

### OWNER PREFERENCE ITEMS

#### PROPULSION

##### Diesel Engines

- Cummins 370B
- Cummins 450C
- Cummins 480C-E
- Volvo TAMD 63P
- Volvo TAMD 74P EDC with synchronizer

#### MECHANICAL

- Bow thruster
- Engine monitor panels for Volvo 74P engines
- Engine oil change system
- Synchronizer for Cummins 370B, 450C or 480C-E, or Volvo TAMD 63P engines

#### ELECTRICAL

- Adaptor - 50 amp, includes 50 ft. of shore power cord
- Cablemaster for shore power

#### Generator

- Onan 9.0 kW (not available with air conditioning)
- Onan 13.5 kW (required with air conditioning)
- Kohler 15.5 kW (required with air conditioning)

#### Forward Shore Power Connector

- With Cablemaster and additional 50 ft. of shore power cord
- Without Cablemaster

#### WATER & WASTE SYSTEMS

- Waste tank overboard discharge with pump
- Fresh water tank level monitor
- Grey water holding system (not available with dishwasher or washer/dryer)
- Hot and cold cockpit handshower
- Waste tank level monitor

#### Transom and Bow Washdowns

- Both fresh and seawater
- Fresh water
- Seawater

#### Head

- Electric flush - fresh water
- Vacuum flush - with waste tank odor filter

#### SAFETY & NAVIGATION

- Autopilot
- Dinghy storage cradle (not available with aft bridge extension sunpad)
- Dual station spotlight
- Electronics Package for upper helm (electronics package for pilothouse must be ordered)
- Maxwell 1200 VWC Lo Profile windlass with 44 lb. anchor and 200 ft. of 5/16" chain
- Portable fire extinguisher
- Powered helm chair (pilothouse)
- Transom docking lights
- Video monitor system

#### Davit (not available with aft bridge extension sunpad)

- Single-function
- Multi-function

#### Electronics Package for Pilothouse

- Ordered with Autopilot
- Ordered without Autopilot

#### Spare Propellers and Shaft

- For Cummins 370B, 450C or 480C-E, or Volvo TAMD 63P
- For Volvo TAMD 74P EDC (high-performance propellers)

#### EXTERIOR AMENITIES

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

#### 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

#### CABIN AMENITIES - SALON

- Air conditioning (49,000 BTU) with reverse cycle heat, dual shore power connectors (minimum 13.5 kW generator required)
- Central vacuum system
- Coordinated Ultraleather color
- Intercom system - 4 stations
- Pillow set - decorator, 6-piece
- Sofa - Flexsteel, Ultraleather, with tri-fold stowaway bed
- Stereo - standard + surround sound system

#### Décor

- Oceania (blue) - with Starlight Blue or Savannah (neutral) countertops
- Bahama (green) - with Savannah or Black countertops
- Dynasty (black) - with Black or Savannah countertops

#### CABIN AMENITIES - GALLEY

- 2-Burner electric stove with ceran top
- Dishwasher - large capacity (not available with trash compactor)
- Trash compactor (not available with dishwasher)

#### CABIN AMENITIES - FORWARD

- Stereo - in master stateroom
- TV - 13", in master stateroom
- TV/VCR - 13", in guest stateroom
- Washer/dryer - stacked

#### MISCELLANEOUS

- Loading charge
- Shipping cradle
- Shrink wrap

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