



# ALERION EXPRESS 41

## SPECIFICATIONS

2018

<b>Length Overall</b>	<b>40' 6"</b>
<b>Length Water Line</b>	<b>30' 6"</b>
<b>Beam</b>	<b>11' 6"</b>
<b>Draft</b>	<b>6' 6"</b>
<b>Shoal Draft (optional)</b>	<b>5' 0"</b>
<b>Air Draft</b>	<b>56' 0"</b>
<b>Displacement</b>	<b>15,600 lbs.</b>
<b>Ballast</b>	<b>4,865 lbs.</b>
<b>Sail Area</b>	<b>942 sq. ft.</b>
<b>Sail Area/Disp</b>	<b>23.5</b>
<b>Aux. Engine</b>	<b>40 hp Volvo diesel w/Saildrive</b>

### Hull

- Infusion-molded GRP with biaxial and unidirectional E-glass reinforcing fabrics
- End grain balsa core
- Vinyl ester resin gelcoat reinforcing layer
- White gelcoat hull color with bottom paint
- Molded and tapered single gelcoat bootstripe - Owner's choice of color
- Keel floors, keel sump, engine bed, mast step and longitudinal stringers are integrally molded with the hull during the infusion process
- Marine grade plywood structured bulkheads bonded to the hull and deck with Plexus
- Epoxy barrier coat plus antifouling bottom paint

### Deck

- Resin-infused GRP sandwich structure with biaxial reinforcing fabrics and end grain balsa
- White deck with molded buff nonskid
- Flange type hull to deck joint bonded with Plexus
- Full-length teak toerail
- Bow and stern chocks cap ends of toerail
- Amidship chocks (4) are set in integrally with toerails
- Chocks are chrome-plated and fitted with stainless steel chafe guards at hull edge

### Keel

- One-piece cast lead fin with integral bulb for low center of gravity
- One-piece lead casting alloyed with antimony, bolted to molded keel sump with 1" diameter 316 grade stainless steel bolts
- Fin is faired to hull with seam over-laminated with biaxial glass
- Finished with interprotect epoxy barrier coat

### Mast and Boom

- Carbon-fiber Offshore Spars mast w/carbon gooseneck
- Aluminum spreaders
- Aluminum Boom
- "Moondust" Awlgrip finish on boom and mast
- Rigid Forespar boom vang
- Lazy jack mainsail retrieval system
- G-10 mast step
- Steaming light
- Masthead anchor light
- Windex

### Cockpit

- Removable teak cockpit table finished with high-gloss, two-part varnish with flush base in sole
- Teak trimmed Alerion cockpit with molded line boxes forward
- Teak or Esthec Synthetic teak cockpit sole
- Port settee has hatch for access to below deck locker
- Self-draining to IMO standards
- Winch islands located port and starboard forward of helm area with primary electric winches recessed in islands with rope tail bins below
- Emergency tiller and upper rudder bearing access plate in surface of helm seat
- Engine panel, winch switches and manual bilge pump mounted in helm area



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### Steering

- Edson destroyer wheel, pedestal-mounted in cockpit, with varnished teak or leather covered rim, and Ritchie binnacle magnetic compass
- Integral shaft brake. Stainless steel guard with instrument pod
- Side-mounted, single-lever engine control on starboard side
- Low-maintenance, self-aligning bearings
- Balanced spade rudder with elliptical blade profile

### Standing Rigging

- Navtec continuous rod rigging
- Stainless steel headstay tang integral with stemhead fitting chainplates
- Stainless steel main chainplates thru bolted to interior structure

### Running Rigging

- Main halyard led below deck to cockpit
- Jib halyard led under deck
- Mainsheet led under deck to cockpit
- Jib sheet led under deck to cockpit
- Headsail furling line led under deck to stbd. winch
- Cunningham and vang lines led to cockpit
- Single-line reefing line led under deck to cockpit
- Mainsheet traveler lines run under deck to cockpit

### Interior

- All interior teak is varnished
- Molded white tongue & groove style ceiling & sides with varnished wood accent strips
- Varnished teak and holly cabin sole
- Wood laminate bulkheads with teak trim
- Wood laminate locker interiors/bunk tops and shelves
- Laminated teak door frames

### Interior (continued)

- Solid lumber louvered panel doors with push button positive latches
- Interior cushions for V berths, settees and backrests from Sunbrella, all in owner's choice of color
- Furniture is wood laminate with varnished teak corner posts and fiddle rails
- (2) hanging lockers, one forward, one aft
- Bureau to starboard in forward cabin; drawers and storage under forward berth
- V berths in forward and aft cabins

### Main Cabin

- Settees port and starboard w/shelves behind (convert to 2 single berths)
- Overhead LED lighting
- Cabin sole has access to bilge
- Teak table finished with high-gloss, two-part varnish and fitted with foldout leaves and drawers
- Storage cabinet located behind starboard settee
- Convertible navigation table with LED light

### Galley

- Corian counter tops in owner's choice of color
- Stainless steel double sink
- Hot/cold mixing faucet
- Top-loading Isotherm refrigerator in countertop, with high-efficiency vacuum panel insulation
- Drawer style fridge in aft galley bulkhead
- Two-burner LPG cooktop w/ electric solenoid shut-off
- Microwave & Convection Oven
- Storage lockers outboard
- Overhead LED lighting



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### Head

- Electric fresh-water head with holding tank equipped with deck pump out and off-shore overboard discharge
- Shower with hot and cold mixing faucet
- Stainless steel sink w/vanity and mirror
- White molded GRP pan
- Storage lockers outboard
- Locker under vanity
- Lewmar deck hatch
- Teak floor grate

### Plumbing

- Hot and cold pressure water service to galley and head compartment
- Accumulator tank
- Manual bilge pump
- Electric bilge pump with float switch

### Electrical

- 12 volt DC System designed to ABYC
- All wiring is tin-plated to inhibit corrosion
- All wiring is coded for ease of identification
- Bonding system
- DC master panel with analog meter and magnetic circuit breakers
- Electrical panel on port side settee in main cabin
- Xantrex battery monitor
- Battery switch
- (2) 4D Gel cell batteries

### Navigation Lights

- Combination LED navigation light at stemhead
- LED stern light
- LED anchor light

### Anchor

- Lewmar electric windlass
- Retractable stainless steel bow roller
- Anchor w/chain and rode

### Tankage

- 26 Gallon aluminum fuel tank
- 45 Gallon PVC fresh water tank
- 6 Gallon water heater with engine heat exchanger
- 18 Gallon polypropylene holding tank

### Engine

- 40 hp Volvo diesel w/ Saildrive
- Gori two-blade folding propeller
- Integrated GRP engine bed and oil pan
- Through-transom wet exhaust
- Waterlock muffler
- Single-lever engine control
- Neutral safety switch

### Deck Hardware & Equipment

- Headsail furler
- Self-tailing, electric winches on islands port and starboard, forward of helm
- Winch buttons mounted on aft cockpit faces, accessible to helmsperson
- Self-tailing cabintop winches
- (2) 2x10" locking winch handles
- Rigging & blocks for sail controls
- 6:1 mainsheet traveler with control lines
- Rope clutches
- (3) Lewmar brushed aluminum deck hatches over forward and main cabin
- Lewmar vent hatch over head compartment
- (6) Stainless steel elliptical port lights
- Teak handrails on cabin house top

*(Deck Hardware continues on next page)*



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## STANDARD EQUIPMENT

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### Deck Hardware & Equipment (continued)

- (4) Stainless steel mooring cleats, forward and aft
- (2) Stainless steel midship mooring cleats
- Companionway sliding hatch with seahood and Lexan washboards
- Companionway and cockpit hatch locks
- Molded GRP seat lockers
- Molded GRP gas locker with 1x10 lb. aluminum LPG tank
- Port and starboard cockpit coaming bins
- Deck fills for fuel and water tanks
- Holding tank pump out deck plate
- Self-draining cockpit with port and starboard drains
- 48" Teak ensign staff
- Lewmar high-polish finish aluminum deck skylights in aft cabin, forward cabin foredeck, and head
- Custom coach roof port located starboard in cockpit face for aft cabin
- (2) Deck plates keys
- Bilge pump w/handle
- Safety re-boarding ladder in transom

### Optional Equipment

- Stern pulpit with lifelines and gates
- Teak or Esthec synthetic teak deck
- Fold-down transom w/swim platform
- Air conditioning
- Bow thruster
- Shoal draft keel (5')
- Cockpit/wheel covers
- Bimini and / or dodger
- Cockpit cushions
- Fischer Panda Generator
- LPG stove w/oven
- Transom shower
- Varnished teak interior cabin sides
- Electronics package
- Asymmetric downwind sail package (includes sail, winches, sheets, halyards, blocks)
- Hoyt Jib Boom w/light air extender
- Sail Away Kit (PFDs, docklines, fenders fender covers, and first aid kit)
- Shorepower with battery charger
- Hella Turbo fans in forepeak berth and cabin

*\* All specifications are subject to change without notice*