

# Technical Specification -Selene 72

<b>Model: SELENE 72</b>		<b>Hull No.:</b>	<b>Date: 2014/05/21</b>
<b>Voltage:</b>		<b>Customer:</b>	<b>Project Manager:</b>
<b>Starting Date:</b>		<b>Completion Date:</b>	
			<b>Revision</b>
<b>1</b>		<b>Principal Dimensions:</b>	
	A	LOA: 76'-2" ( 23.20M )	
	B	LOH: 70'-9" ( 21.52 M )	
	C	LOD: 65'- 9" (20.02 M )	
	D	LWL: 65'- 11" (20.08 M )	
	E	BEAM: 19'- 6" ( 5.95 M )	
	F	DRAFT: 6'-3" ( 1.90 M )	
	G	DISPLACEMENT: 158,688 Lbs ( 72 Tons )	
	H	BALLAST: 2,645 Lbs ( 1,200 Kgs )	
	I	FUEL CAPACITY: 3,000 USG ( 11,355 Liters ) for Twin engine layout	
	J	WATER CAPACITY: 700 USG ( 2,650 Liters )	
	K	HOLDING TANK CAPACITY: 230 USG ( 871 Liters )	
	L	GRAY WATER CAPACITY: 150 USG ( 567 Liters )	
	M	TOP SPEED( approx. ): 11.5 Kts ( 21.3 Km / hr )	
	N	CRUISING SPEED ( approx. ): 9 Kts ( 16.7 Km / hr )	
	O	BRIDGE CLEARANCE RADAR ARCH UP: 25'-1" ( 7.6 M )	
	P	BRIDGE CLEARANCE RADAR ARCH DOWN: 20'-10" ( 6.4 M )	
	Q	POWER STANDARD: Twin Engine <b>Cummins QM11</b> , 455 BHP @ 2300 RPM	
<b>2</b>		<b>STRUCTURE:</b>	
	A	Gel coated finish above water line	
	B	<b>Viny Lester</b> resin for the first 5 layers barrier lamination for osmosis protection	
	C	Hand laid-up FRP hull with PVC core sandwich construction above water line	
	D	Three (3) coats of antifouling paint over five (5) coats of epoxy primer below water line	
	E	Divinycell PVC cored construction with <b>Cook</b> gelcoat	
	F	Longitudinal stringers & transverse frames system	
	G	3 watertight bulkheads ( chain locker, Fwd. E/R, Aft. E/R)	
	H	Hull and deck joint sealed by glue, bolted & laminated with mat and woven roving	
	I	Integral swim platform with extended hull underneath	
	J	Recessed bow thruster tunnel	
	K	Integral FRP stern thruster casing	
	L	Integral full protected keel & rudder shoe	
<b>3</b>		<b>EXTERIOR:</b>	
	A	<b>EXTERIOR HARDWARE:</b>	
		1	<b>Manship</b> S/S #316 opening portlights
		2	<b>Manship</b> S/S #316 hatches for pilothouse & fwd. stateroom
		3	<b>Oceanair</b> hatch shade w/ insert screens
		4	<b>Diamond/Sea-Glaze</b> Dutch doors for pilothouse P&S, salon & E/R entrance
		5	<b>Taco</b> S/S #316 1-1/2" solid upper & lower dual fender rails
		6	S/S #316 oval shaped hand rail for fore deck & dinghy deck
		7	S/S #316 telescope swim ladder
		8	S/S #316 window frames
		9	S/S #316 dia 5" aft. deck overhang support posts
		10	Teak cap rail for Portuguese bridge, side deck & aft. deck
		11	Teak burgee & flag staffs
		12	Freeing port for fore, side & aft. deck
		13	Molded inlay pattern non-skid to fore, side, aft, F/B decks & swim platform
		14	Portuguese bridge access gate to fore deck
		15	Aft deck side gates, swing in
		16	Transom gates, swing in

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		17		Portuguese side gates, swing out, starboard side (Option)	
		18		Storage lockers w/ teak grating inside Portuguese bridge	
		19		S/S #316 self-lock type exterior gate handle	
		20		<b>Cantalupi</b> exterior dome lights, LED	
		21		<b>Cantalupi</b> exterior courtesy lights, LED	
	B			<b>COCKPIT:</b>	
		1		FRP settee w/ <b>Sunbrella</b> cushion	
		2		Teak table w/ S/S #316 table pedestal	
		3		Fresh water deck wash	
		4		<b>Flojet</b> saltwater wash down	
		5		Dedicated spiral stair to F/B (TBA)	
		6		Steps to swim platform	
		7		<b>Scandvik</b> transom shower	
<b>4</b>				<b>INTERIOR:</b>	
	A			<b>FOUNDATIONAL MATERIALS:</b>	
		1		Light teak or cherry veneer ( straight grain or mountain grain )	
		2		<b>Schwepper</b> door locks & handles for interior doors	
		3		<b>Lamp</b> push button for all locker doors & drawers	
		4		<b>Cantalupi</b> LED lights system	
		5		<b>Vimar</b> switch & dimmer	
		6		Solid teak & holly sole w/ teak border	
		7		Fiberglass " H " shaped floor beam	
		8		Vinyl & EVA foam panels for ceiling lining	
		9		Drapery for saloon and each staterooms	
		10		Selected sliding windows w/ tinted tempered glass	
		11		2" latex foam laminates w/ PU foam for all cushion of sofa & b	
	B			<b>SALOON:</b>	
		1		U-shaped sofa w/ 5" foam cushion	
		2		Storage underneath the sofa	
		3		Table & corner tables	
		4		Entertainment center w/ TV / video cabinet	
		5		<b>Cabin</b> reading light	
		6		<b>Diamond/Sea-Glaze</b> Dutch door for salon entrance	
		7		Emergency hatch to engine room	
		8		<b>Corian</b> or <b>Granite</b> bar counter top	
		9		Self-lock window stopper	
	C			<b>GALLEY:</b>	
		1		Counter top w/ Integral bar	
		2		Corian or Granite counter top & back splash	
		3		<b>Liebherr</b> upright refrigerator	
		4		<b>Force 10</b> 3-burner propane stove w/ oven & alarm monitor panel set	
		5		Microwave w/ built-in exhaust	
		6		<b>Frankie</b> S/S #316 double sink	
		7		Single lever swivel type faucet	
		8		<b>Siemens</b> 17" width Dish washer	
		9		<b>Broan</b> trash compactor	
		10		Overhead cabinets	
		11		Drawers & storage lockers w/ shelves under counter	
		12		Overhead storage locker	

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	D			<b>PILOT HOUSE:</b>	
		1		Helm station w/ instrument panels	
		2		Upper console box above steering station	
		3		<b>ZF</b> electric engine control	
		4		Hi-seat w/ footrest & table - providing a near panoramic view	
		5		Chart table w/ drawer	
		6		S/S #316 or teak stair from pilot house to F/B	
		7		<b>Manship</b> S/S #316 hatch	
		8		<b>Oceanair</b> hatch shade w/ insect screen	
		9		Teak overhead grab rail	
		10		<b>Cantalupi</b> LED step lights	
		11		<b>Cantalupi</b> LED dome lights	
		12		<b>Daniel Smith</b> chart lights	
		13		<b>Cabin</b> reading lights	
		14		<b>Diamond/Sea-Glaze</b> Dutch doors for P& S side	
		15		S/S window frame w/ clear tinted tempered glass	
	E			<b>FLYBRIDGE :</b>	
		1		Helm station in center w/ console box	
		2		S/S #316 dia. 28" destroyer type steering wheel	
		3		S/S #316 grab rail	
		4		S/S #316 sliding door from F/B to pilothouse	
		5		FRP BBQ box	
		6		<b>Polar</b> wash basin	
		7		<b>Selene</b> helm seat ( one is standard, one is option )	
		8		12V DC outlet	
		9		Chart counter top	
		10		Tinted plexiglass windscreen with S/S #316 bracket	
		11		Dinghy space on the fly bridge deck	
		12		FRP U-shaped settee w/ storage underneath	
		13		FRP solid hard top	
	F			<b>MASTER STATEROOM:</b>	
		1		Queen-size berth w/ 5" foam mattress	
		2		Sofa with small coffee table at Port side	
		3		Drawer bureaus	
		4		Safe located at master stateroom or office	
		5		Wardrobe w/ automatic light & aromatic cedar liner	
		6		TV / video cabinet	
		7		<b>Teak, Cherry</b> or <b>Granite</b> veneer counter top	
		8		<b>Cantalupi</b> reading lights	
		9		<b>Cantalupi</b> LED dome lights	
		10		<b>Manship</b> S/S #316 opening portlights	
		11		<b>Windline</b> telescope escape ladder	
	G			<b>MASTER HEAD</b>	
		1		<b>Tecma</b> 24V DC freshwater toilet	
		2		24V DC dia. 3" diameter exhaust fan	
		3		<b>Cantalupi</b> LED dome lights	
		4		<b>Formica</b> finish head lining & FRP bulkhead	
		5		<b>Corian</b> or <b>Granite</b> counter top & back splash	
		6		Vanity unit w/ integrated wash basin	
		7		Clear glass shower door	
		8		<b>Manship</b> S/S #316 opening portlights	

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		9	Single lever hot / cold water shower faucet
		10	Medicine cabinet
		11	Vanity mirror w/ teak frame
		12	Granite floor (or teak & holly floor with teak boarder )
		13	Teak removable grating for shower room
		14	Towel rack in bathroom
	H		<b>FORWARD STATEROOM:</b>
		1	Queen-size berth w/ 5" foam mattress
		2	Side cabinets & drawer bureaus
		3	Wardrobe w/ automatic light & aromatic cedar for the liner
		4	TV cabinet
		5	<b>Teak or Cherry</b> veneer counter top
		6	<b>Cabin</b> reading lights
		7	<b>Cantalupi</b> LED dome lights
		8	<b>Windline</b> telescope escape ladder
		9	<b>Manship</b> S/S #316 hatch
		10	<b>Oceanair</b> hatch shade w/ insect screen
		11	<b>Manship</b> S/S #316 opening portlights with storm cover
	I		<b>FWD. STATEROOM HEAD:</b>
		1	<b>Tecma</b> 24V DC freshwater toilet
		2	24V DC dia. 3" diameter exhaust fan
		3	<b>Formica</b> finish ceiling lining & FRP bulkhead
		4	<b>Corian</b> or <b>Granite</b> counter top & back splash
		5	<b>Cantalupi</b> LED dome lights
		6	Clear glass shower door
		7	<b>Manship</b> S/S #316 opening portlights
		8	Teak removable grating panel for shower room
		9	Vanity unit w/ mirror
		10	Medicine cabinet
		11	Wash basin w/ single lever cold / hot water faucet
		12	Fiberglass shower base w/ teak removable grating panel
		13	Granite floor (or teak & holly floor w/ teak border )
	J		<b>PORT GUEST STATEROOM:</b>
		1	Teak battens on side ceiling
		2	Twin berth w/ drawer underneath
		3	5" foam mattress for each berth
		4	Hanging locker w/ automatic light
		5	Overhead cabinet at port side
		6	<b>Cabin</b> reading lights
		7	<b>Manship</b> S/S #316 opening portlights
	K		<b>GUEST HEAD:</b>
		1	<b>Tecma</b> 24V DC freshwater toilet
		2	24V DC 3" diameter exhaust fan
		3	<b>Formica</b> finish ceiling lining & FRP bulkhead
		4	<b>Corian</b> or <b>Granite</b> counter top & back splash
		5	<b>Cantalupi</b> LED dome lights
		6	Clear glass shower door
		7	<b>Manship</b> S/S #316 opening portlights
		8	Teak removable grating for shower room
		9	Vanity unit w/ mirror
		10	Medicine cabinet

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	11		Wash basin w/ single lever cold / hot water faucet
	12		Granite floor (or teak & holly floor w/ teak border )
L			<b>STARBOARD GUEST STATEROOM:</b>
	1		Teak battens on side ceiling
	2		Fixed upper bunk
	3		Lower bunk w/ drawer underneath
	4		5" foam mattress for each berth
	5		Hanging locker w/ automatic light
	6		<b>Cabin</b> reading lights
	7		<b>Manship</b> S/S #316 opening portlights
M			<b>CREW QUARTERS:</b>
	1		Dedicated access from side deck to crew quarters
	2		Bunk w/ 4" foam mattress & drawer underneath
	3		Hanging locker w/ automatic light & aromatic cedar liner
	4		<b>Cantalupi</b> LED dome lights
	5		<b>Cabin</b> reading lights
	6		Book shelf
	7		Overhead locker
	8		Laundry lockers w/ louvered door
N			<b>CREW QUARTERS HEAD:</b>
	1		<b>Tecma</b> 24V DC freshwater toilet
	2		24V DC dia. 3" diameter exhaust fan
	3		<b>Formica</b> finished ceiling lining & FRP bulkhead
	4		<b>Corian</b> or <b>Granite</b> counter top & back splash
	5		<b>Cantalupi</b> dome lights
	6		Vanity unit w/ mirror
	7		Wash basin w/ single level hot / cold water shower faucet
	8		Teak removable grating panel for shower room
<b>5</b>			<b>SYSTEMS:</b>
A			<b>PROPULSION:</b>
	1		Twin Engine <b>Cummins QSL11</b> 455 BHP @ 2300 RPM
	2		<b>ZF</b> electric engine control system at each helm station
	3		Deluxe engine panel w/ complete instrumentation & alarms
	4		Engine overheat & low oil pressure alarm
	5		<b>Aqua alloy</b> propeller shaft ( dia. 3" =76.2mm )
	6		<b>Amartech</b> shaft tube
	7		<b>Faster</b> NiAlBr 4 blade propeller
	8		<b>Reverso</b> oil change pump
	9		FRP drip pan under engine
	10		Hydraulift FRP wet box muffler
	11		Engine room blowers dia. 5" 120/230V AC ( 4 units )
	12		Full protected FRP rudder w/ S/S #316 dia. 2-1/2" shaft
	13		S/S #316 pillars in engine room
	14		<b>Hella</b> LED light for engine room
	15		Watertight door to engine room
	16		Sea chest for engines, generators, A/C system.
B			<b>STEERING SYSTEM:</b>
	1		<b>Hynautic</b> hydraulic steering system for two stations
	2		Handcrafted teak wheel in pilot house and S/S #316 wheel on F/B
	3		Emergency tiller

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	4	Full protected FRP rudder	
	5	<b>SeaFire</b> fire extinguisher	
C		<b>AC ELECTRICAL SYSTEM:</b>	
	1	120V AC or 240V AC system	
	2	One <b>Onan</b> 27MDKBU 27Kw 50hz 115/230V single phase generator w/ sound shield, muffler and remote start switch panel located in P/H, includes dedicated 120 Amp / hr starting battery	
	3	2nd <b>Onan</b> 13MDKBP 13.5Kw 50hz 115/230V single phase generator w/ sound shield, muffler and remote start switch panel located in P/H, includes dedicated 120 Amp / hr starting battery	
	4	<b>Delco</b> 80 Amp engine alternator	
	5	<b>Blue Sea</b> Pathmaker emergency parallel switch	
	6	<b>Marinco</b> shore power inlets	
	7	Vimar AC outlets throughout the boat	
	8	<b>Newmar</b> integrated galvanic isolator	
	9	<b>Bosch</b> separated washer / dryer	
	10	<b>Torrid</b> S/S 30 gallons 120V/ 240V AC dual heating source water heater	
	11	AC/DC control panel w/ polarity indicator light, appropriate switches, meters & breakers	
	12	<b>Hubbell</b> GFCI outlet in head & flybridge	
	13	Copper bonding strap w/ ground cable attachment for each fitting	
	14	1600AMP 24V house banks	
	15	5KW inverter	
	16	2 units of 100AMP battery charger for house banks	
	17	2 units of 30AMP battery charger for starting banks	
D		<b>DC ELECTRICAL SYSTEM:</b>	
	1	24V DC system	
	2	<b>Maxwell</b> HWC 3500 hydraulic windlass w/ up/down switches at foredeck & each helm stations, two side gypsy	
	3	<b>Aqua Signal</b> navigation lights	
	4	<b>Kahlenberg</b> air horn	
	5	<b>Danforth</b> dia. 5" compass for upper & lower station	
	6	<b>Exalto</b> electric wipers for 3 front windshields w/ fresh water wiper wash	
	7	<b>Johnson</b> automatic water pressure system	
	8	<b>Johnson</b> sump pumps w/ automatic float switches	
	9	<b>Vision</b> AGM deep cycle batteries for house service, engine & generator starting	
	10	<b>Cantalupi</b> accommodation LED dome lights	
	11	<b>Cantalupi</b> step lights for interior & exterior	
	12	Pre-wiring for the stereo speakers in stateroom	
E		<b>FUEL SYSTEM:</b>	
	1	Total capacity 3,000 US gallons, two integral FPR fuel tanks w/ internal baffles, sumps, balancing lines, inspection plates	
	2	<b>Racor</b> 75/1000 Max dual fuel filter / water separator for main engine	
	3	<b>Racor</b> 75/500 Max dual fuel filter / water separator for generator	
	4	<b>ESI</b> fuel polishing system	
	5	<b>Racor</b> USCG & CE certified fuel line hose	
	6	<b>Parker</b> ball valve for fuel system	
	7	Electric fuel gauge	
	8	Magnetic fuel sight gauge for each fuel tank	
	9	Fuel management system	
F		<b>PLUMBING SYSTEM:</b>	

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		1		Plastic water piping system	
		2		Electric water gauge	
		3		Two FRP water tanks w/ shut off valve, total capacity 700 gallons	
		4		One FRP 230 gallons holding tank w/ Y-valve & <b>Jabsco</b> macerator pump, deck discharge outlet & remote full display panel in master head	
		5		One 150 gallons FRP grey water tank w/ discharge pump	
		6		Bronze sea cocks on all through hull fittings with double hose clamps	
		7		<b>Groco</b> Bronze basket type internal sea water strainer for main engine	
		8		<b>Johnson</b> electric bilge pumps w/ automatic float switch	
		9		<b>Whale</b> manual bilge pump	
		10		Status panel w/ warning signal in helm station to warn of bilge pump operation	
	G			<b>ANCHOR &amp; MOORING SYSTEM:</b>	
		1		FRP bow pulpit with chain wash dam	
		2		<b>Maxwell</b> HWC 3500 24V DC electric horizontal windlass with two side gypsy	
		3		<b>Maxwell</b> chain stopper	
		5		S/S #316 self-launching anchor roller	
		6		S/S #316 5" diameter Samson post	
		7		S/S #316 hawse hole with cleat ( 8 units )	
		8		Fresh water chain wash down	
		9		Pilot house & fore deck windlass control switch	
<b>6</b>				<b>MISCELLANEOUS:</b>	
		1		<b>Soundown</b> E/R sound insulation system including damping tile, 3" sound insulation foam & Aluminum perforated plate for fwd. E/R bulkhead, aft E/R bulkhead and E/R ceiling.	
		2		<b>Soundown</b> Sylomer strip floating floor	
		3		<b>Jotun</b> anti-fouling bottom paint	
		4		<b>Jotun</b> primer coating	
		5		<b>Jotun</b> boot top line	
		6		Teak name boards	
		7		<b>Naiad</b> zero speed stabilizer system with 12 sq. ft. fins and dual station control	
		8		<b>Naiad</b> hydraulic powered 38HP bow and stern thrusters	
		9		<b>HRO</b> 900-1 water maker	
		10		Enclosed fly bridge with day head inside	
		11		<b>Garmin</b> electronic system (GPS, radar, VHF, three displays, AIS)	
		12		<b>Fusion</b> entertainment system with three TV sets	
		13		<b>Opacmare</b> ganway	
		14		<b>Amartech</b> line cutter	
		15		<b>Cruise Air/Marine Air/Mave</b> air conditioning system	
		16		<b>Steel Head</b> 1750 LB capacity hydraulic/240VAC davit	
		17		Wide body salon layout	
		18		Sea chest for water intake	