



elan
IMPRESSION 45.1

STANDARD 2019 B (US)

TECHNICAL SPECIFICATIONS

LENGTH OVERALL	13.51 m / 44'4" ft	WATER CAPACITY (STANDARD)	300 liters / 79,3 US gal
HULL LENGTH	13.00 m / 42'8" ft	WATER CAPACITY (OPTION)	572 liters / 151,1 US gal
LENGTH AT WATERLINE	11.44 m / 37'6" ft		
BEAM	4.18 m / 13'9" ft	MAINSAIL (furling)	46.79 m ² / 503'6" sq ft 39.75 m ² / 427'9" sq ft
DRAFT (standard)	1.90 m / 6'3" ft	GENOA	52.47 m ² / 564'7" sq ft
DRAFT (option)	1.60 m / 5'3" ft	GENNAKER	135.45 m ² / 1458'0" sq ft
AIR DRAFT (Incl Antenna)	19.50 m / 63'12" ft	I	15.90 m / 52'2" ft
LIGHT DISPLACEMENT (mLCC)	10,510 kg / 23,170 lbs	J	4.78 m / 15'8" ft
BALLAST	3,310 kg / 7,297 lbs 3,450 kg / 7,605 lbs	P	14.80 m / 48'7" ft
ENGINE VOLVO (standard)	37 kW / 50 HP	E	5,37 m / 17'7" ft
ENGINE YANMAR (option)	42 kW / 57 HP	DESIGN	Humphreys Yachts Design & Elan Design Team
ENGINE VOLVO (option)	55 kW / 75 HP		
FUEL CAPACITY	215 liters / 56 US gal		

STANDARD EQUIPMENT

CERTIFICATION

The Impression 45.1 is delivered with a CE class A certificate and meets the requirements of European directive 2013/53/EU for a recreational craft.

HULL

Laminated with VAIL - Vacuum Assisted Infusion Lamination, technology with longitudinal 3D VAIL stringer, to considerably improve strengthmechanical and chemical properties of the hull. High quality materials, SVG gelcoat for optimal chemical resistance against osmosis and mirror finish, sandwich construction using multi-directional fibreglass, structural closed cells foam core on hull sides and single skin on hull bottom and loaded areas, vinyl ester skin coat and Isophthalic polyester resin are used for a high quality product.

Powerful inner structure distributes all loads from the keel and rig effectively with a minimum flexing of the hull.

DECK

- Sandwich hand lamination technology using Balsa core to assure thermal and sound isolation, moulded anti slip surface on deck and coach roof.

KEEL

- 6'3" draft cast iron L shape keel

INTERIOR

- Interior is built with Natural Iroko veneered plywood, framed with solid Iroko and laminated floorboards.

SALOON

- Saloon table
- Deck hatch
- Opening escape deck hatch
- 2 large deck portlights
- 2 hull portlights
- Curtains over portlights and blind over big hatch
- Panoramic window with curtain
- Lockers along the hull
- Overhead LED lights
- Ambient LED lights
- 2 reading LED lights

GALLEY

- Side galley
- Front opening 12 V refrigerator 4.59 cu ft.
- S/S 3 ring cooker with oven mounted on gimbals
- Double sink with tap and pressurized water system
- Cooker and sink covers
- Lockers and drawers
- Portlight
- Deck portlights with opening above the cooker
- Curtains over portlight
- Overhead LED lights
- Ambient LED lights

FORWARD HEAD COMPARTMENT

- Marine toilet
- Washbasin with pressurised tap
- Mirror
- Stowage lockers
- Overhead LED light
- Hatch

FORWARD SHOWER COMPARTMENT

- Shower with mixer tap
- Stowage lockers
- Mirror
- Overhead LED light
- Electric shower drain pump
- Hatch

AFT HEAD & SHOWER COMPARTMENT

- Separate shower
- Marine toilet
- Washbasin with pressurised tap
- Stowage lockers
- Mirror
- Overhead LED lights
- Curtains over portlight
- Hatch
- Electric shower drain pump

NAVIGATION STATION

- Chart table
- Reading LED spotlight
- Lockers
- USB socket
- 110 V socket

FORWARD CABIN

- Double berth
- 2 lockers
- 2 shelves
- Stowage under berth
- 2 reading LED lights
- Overhead LED lights
- Deck escape hatch
- 2 hull portlights with curtains
- Curtains over portlights and blinds over big hatches

AFT CABIN (two in standard)

- Double berth and stowage underneath
- Settee
- Locker with shelves and hanging bar
- Lateral shelf
- LED reading light
- Overhead LED lights
- 2 cockpit portlights
- Hull portlight
- Curtains over portlights
- Deck portlight

MAST / STANDING RIGGING

- Selden deck stepped aluminium anodized fractional mast profile with 2 sets of aft swept spreaders and aluminium single line reefing boom with rigid vang
- Stainless steel standing rigging 1/19
- Windex
- Genoa furling system Selden Furler 304S

RUNNING RIGGING

- Main halyard, jib halyard
- Main sheet, 2 jib sheets
- Main outhaul, 2 reefing lines
- Topping lift

SAILS

- Semi batten main sail
- Furling genoa with UV strip

DECK EQUIPMENT

- S/S pulpit and S/S push pit with integrated teak seats
- S/S stem-head fitting with 2 rollers and S/S bow protection
- 6 fixed mooring cleats
- Teak toe rail
- 2 sets of deck organisers
- 2 set of clutches
- 2 halyard Harken B46.2STA winches
- 2 headsail Harken B46.2 STA winches
- 2 genoa sheet tracks
- Mid-boom sheeting with 2 stand up blocks
- 1 winch handle bin
- Cockpit lockers on port and starboard side,
- Gas bottle locker draining outboards,
- Fresh water shower at transom
- 2 composite steering wheels
- Steering compass
- Cup holders
- Twin cockpit table with central passage and lowering leaf to enable berths
- Grab rails on coach roof
- Teak floor and teak slatted seats in cockpit
- Teak sliding hatch trimming
- Standard swimming platform with teak
- S/S bathing ladder

ENGINE EQUIPMENT

- Volvo Penta D2-50, S-Drive, S/S engine control lever in cockpit and engine control panel
- Fuel tank 215 l, fuel filter with water separator
- Fixed propeller

WATER SYSTEM

- Fresh water tanks 79.2 US gal
- Black water tank 24.4 US gal
- 12V fresh water pump
- Central 12V bilge pump with automatic switch
- Hand bilge pump in cockpit
- Hot water system incl. hot water shower in cockpit

ELECTRICAL SYSTEM

- 12V control panel with voltmeter for batteries, fresh water and fuel level indicator
- Shore connection installation with 25m shore power cable 110V
- Battery charger 12V/40A
- Inverter 350 VA
- 2 separate 12V AGM batteries (95Ah engine battery and 95Ah service battery)
- Navigation lights according to Col Reg
- Ambient cockpit LED lights
- Courtesy LED lights at companionway
- 12V and USB socket
- 110V socket in navigation area
- Double IP67 USB socket and 12V socket in cockpit

GAS SYSTEM

- 30mbar pressure USB relief valve with shut-off valve
- Gas bottle ALU – EU standard

MISCELLANEOUS

- 2 winch handles
- Emergency tiller
- 2 fire extinguishers
- Flag pole

All published data and allowed tolerances according to EN ISO 86766, E&OE