



THE HELIOTROPE 65

Power House

Solar Assisted

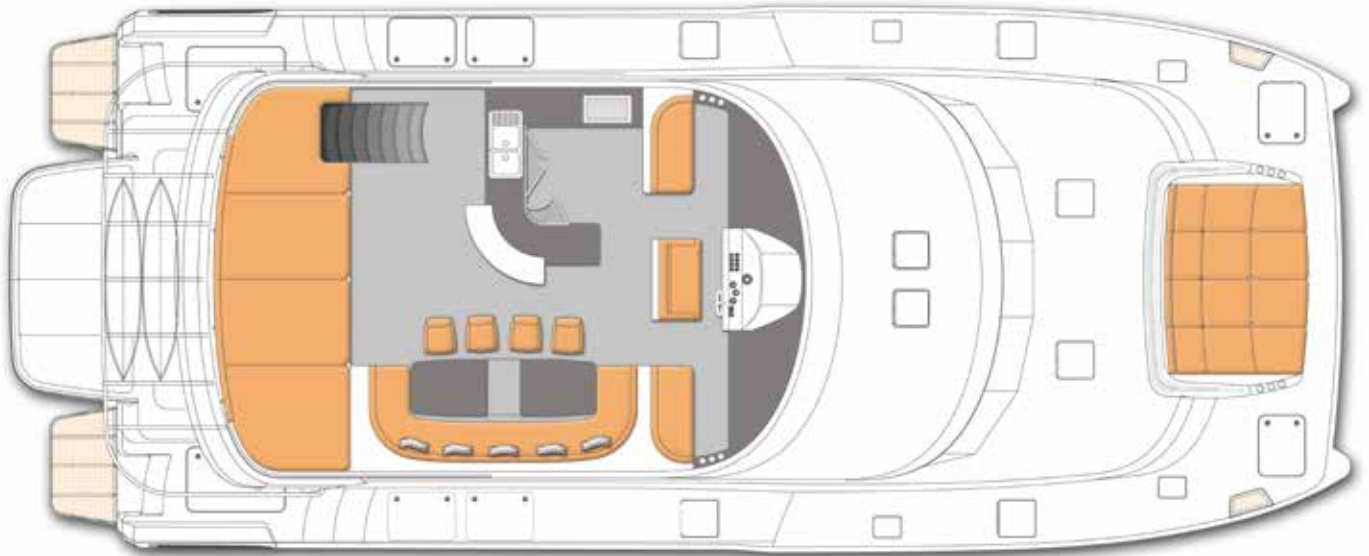
With her contemporary looks, Heliotrope 65 is the quintessence of Albatross Marine Design's philosophy of pairing functionality and safety with elegance. This luxury yacht is designed for long distance cruising while living comfortably on board. With both fly bridge and salon being very spacious she also offers ample opportunity to entertain. With a solar output of up to 7 kW Heliotrope 65 is one of the very few mixed energy luxury yachts presently on the market.



Heliotrope 65, the world's first solar assisted luxury catamaran yacht

General Specifications

Overall length:	19.3 m / 64 ft.
Overall beam:	8.04 m / 26.38 ft.
Draught (Max):	1.06 m / 3.48 ft.
Air Draft:	6.20 m / 20.34 ft.
Displacement (MOC):	25,700 kg / 56,658 lbs.
Displacement (LDC):	37,200 kg / 82,012 lbs.
Standard Engines:	2 x 500 hp / 368 kW
Maximum speed at MOC:	21 kts
Maximum speed at LDC:	18 kts
Recommended cruising speed: ...	12-16 kts
Maximum Range:	3,000 NM
Fresh water:	2,000 L / 528 US gal (+/-)
Diesel:	6,000 L / 1,585 US gal (+/-)
Grey water tanks:	500 L / 132 US gal (+/-)
Black water tanks:	500 L / 132 US gal (+/-)
CE Certification:	Category A - 12 People
Architect:	Albatross Marine Design
Builder:	Bakricono Shipyard



Flybridge area with Helm, BBQ Galley & Saloon

Overview of the vessel

- 2x D9-500 hp Diesel engines with shaft drive, electronic control, propellers and hydraulic steering system
- Woodwork using certified Teak, White Oak and Asian Mahogany
- Saloon and Cabins with solid teak parquet flooring
- Marine vinyl ceilings and skirting
- Choice of upholstery with Quick dry foam cushions & bed mattress throughout the yacht
- Personalized metallic hull color

Helm & Navigation

- C-Zone electronic multifunction display for monitoring and controlling all electrical systems onboard
- Full engine instrumentation with digital display module
- Complete power assisted hydraulic steering system and complete electronic engine controls
- Heading compass
- Navigation lights control
- Large storage compartment under helm with ease of access to console instruments
- Cuddy storage box for holding binoculars and other equipment
- Lewmar anchor winch control

Pantry

- Double stainless steel sink with mixer tap
- Corian solid surface countertop
- Raised wet bar
- Under counter storage locker
- AC power outlet socket

Flybridge

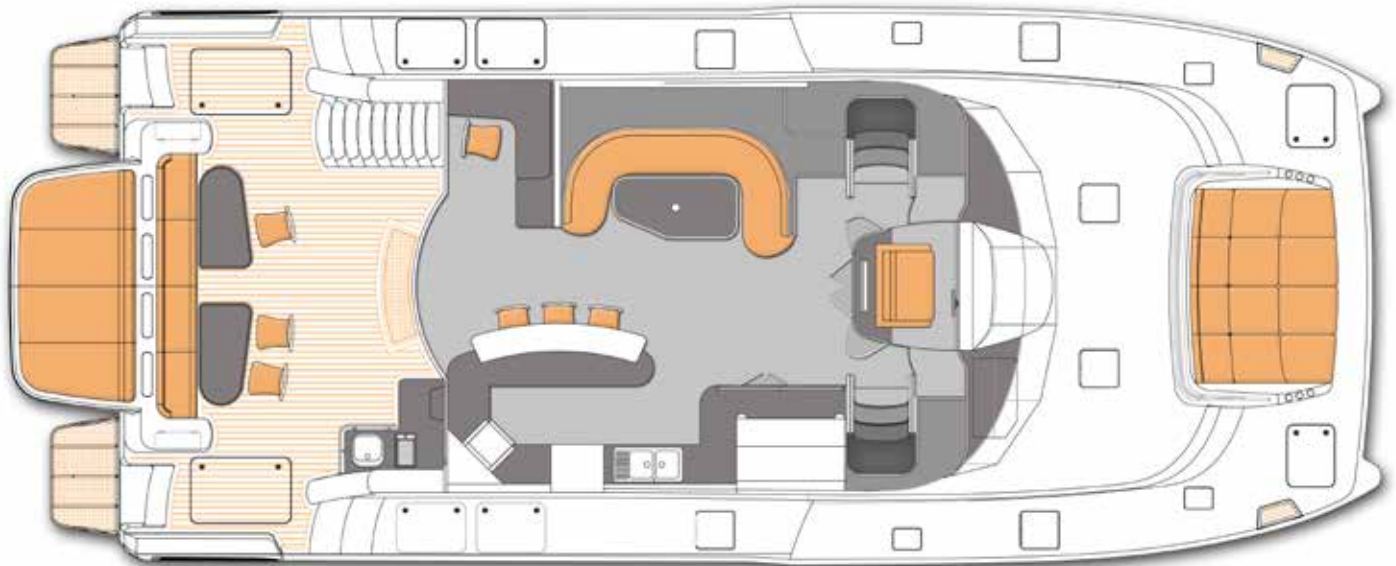
- Area: 46.00 m (495 ft)
- Access via straight staircase from Cockpit
- Pilot seat for 2 persons
- Forward facing sofa seat for 4 persons
- Large U-Shaped sofa for 8 people with 2 handcrafted teak tables and collapsible center piece
- 7 large under seat waterproof stowage
- Lounging area at stern for 10 people
- Storage under stern seating area for safety equipment and more
- 316 Stainless steel handrail
- 316 Stainless steel framed inversed windshield with Acrylic windows to deflect wind and reflections
- Flagpoles for three flags
- LED Navigation Lights (Port, Starboard, Stern, Anchor and Running)
- LED main lighting
- Fully covered fiberglass hardtop with Radar Arch
- Various glass holders



Helm with 360o Pannoramic View



View of Flybridge



Galley, Saloon, Helm and Cabines area

Cockpit

- Area: 35.00m (377 ft)
- 2 x Solid teak transom swim platforms
- Solid teak decked boarding steps and steps to side decks
- Solid staircase with teak steps to fly bridge
- 6 seat sofa with backrest and under-seat stowage
- Handcrafted teak cockpit table
- Hella Marine LED exterior lighting
- Enclosed shoe rack under staircase to fly bridge
- Work counter with large storage locker
- Large side storage lockers
- Easy lifting deck hatches to engine compartments (port & starboard) with gas struts
- Access to wide side decks
- Transom shower with water mixer tap
- Foldable Stainless Steel swim ladder
- Self-Draining Cockpit
- AC power outlet socket, IP55 waterproof

Galley

- Double Stainless Steel sink with mixer tap
- 6 Storage cupboards
- 10 storage drawers
- Concealed waste bin
- 4 plate Induction stove
- 392 Liter (103 US gal) Multi door refrigerator/freezer
- 5 duel AC power sockets
- Kitchen extraction fan above stove
- Corian Solid Surface counter top, with draining grooves
- LED ceiling lighting

Fore deck & Side decks

- Lewmar V5 vertical windlass, bow roller and 45 kg (100 lbs.) Delta anchor (Below deck for safe un-obstructed walkway)
- Main locker for access to anchor gear
- Forepeak storage compartments, with easy opening gas struts
- Sunbed area for 6 people
- 316 Stainless Steel handrail, body height for maximum safety and child safe
- 14 Watertight opening deck hatches for natural light and ventilation
- Bow romantic seating integrated in handrail
- 6 x Stainless Steel Mooring Cleats
- 316 stainless steel deck hardware

Saloon

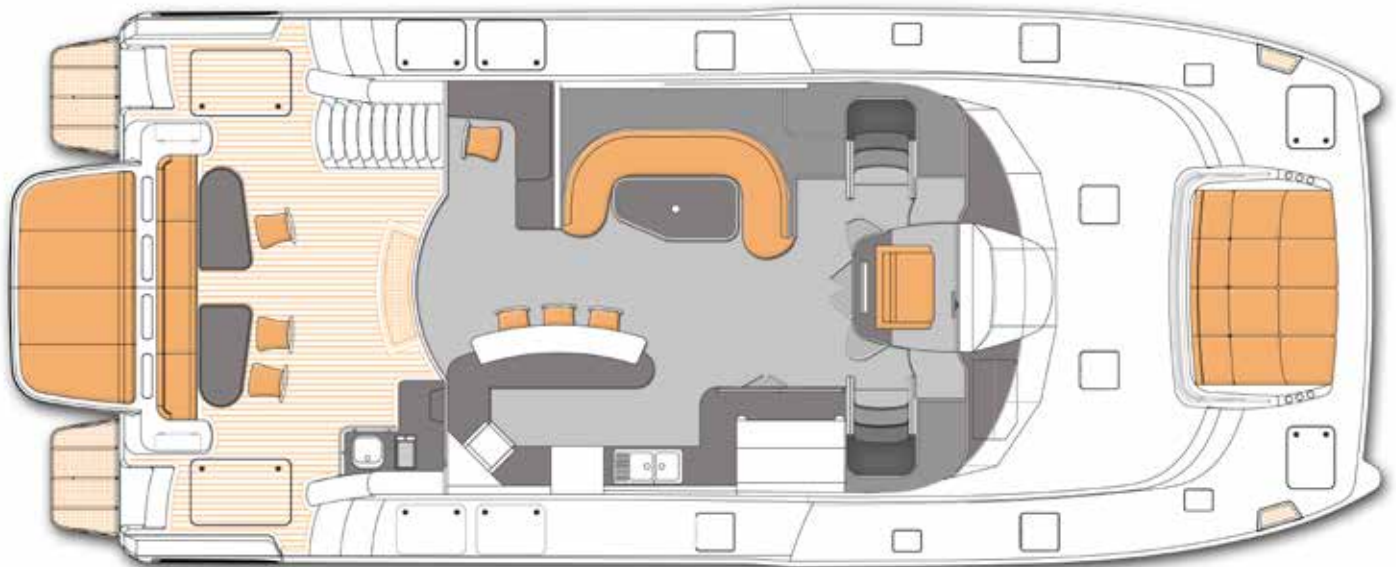
- Area: 50.00m (538 ft)
- Solid 12mm (½") natural teak flooring
- Sofa seating for 8 people
- Handcrafted teak wood dining table for 6 people
- High Wall display cabinet
- 20 LED dim controllable lighting
- Office area with work counter
- Vinyl ceiling
- Large 316 Stainless Steel curved roller door with tempered glass for access to cockpit
- 180 degree panoramic view with tempered glass safety windows
- Stairs leading to master cabin and guest cabins
- Concealed main electrical distribution panel



View of Cockpit



View of Saloon and Helm from Galley



Galley, Saloon, Helm and Cabines area

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- 4 plate Induction stove
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- Bow romantic seating integrated in handrail
- 6 x Stainless Steel Mooring Cleats
- 316 stainless steel deck hardware

Saloon

- Area: 50.00m (538 ft)
- Solid 12mm (1/2") natural teak flooring
- Sofa seating for 8 people
- Handcrafted teak wood dining table for 6 people
- High Wall display cabinet
- 20 LED dim controllable lighting
- Office area with work counter
- Vinyl ceiling
- Large 316 Stainless Steel curved roller door with tempered glass for access to cockpit
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View of Cockpit



View of Saloon and Helm from Galley

Water system

- 2x Custom made Stainless steel fresh water tanks, total 2,000 liter (528 US gal)
- 2x 18 Liter per minute (237 GPH) automatic pressure pumps
- 2x water surge dampers
- Hot water calorifier
- Stern shower at swim platform
- Fresh water wash down at anchor compartment
- Low level water alarm through C-Zone
- Grey water tanks for shower and sinks
- Black water tanks for toilets
- Discharge managed through C-Zone
- Stainless steel deck fillers, discharge connectors and vents
- Water transfer between fresh water tanks
- 8 Automatic bilge pumps with manual override, integrated with C-Zone for control and monitoring

Engine Compartments & Equipment

- 2 x D9-500 (500 HP/358 kW - 2600 rpm) with ZF 286 Reverse Gears, 1.96 : 1 ratio and electronic shift/throttle controls
- 5 Blade x 700mm C-Foil propellers for optimum efficiency, performance and comfort
- 76mm (3") x 3400 mm Shafts with stern tubes, couplings and driplless shaft seals
- Self-Supporting rudders with tubes and assemblies with hydraulic steering cylinders
- Racor 500 Series fuel water separators
- Engine room insulated and soundproofed
- Continues duty, forced engine room ventilation
- Raw water strainers, with clear lids for easy inspection
- Water cooled exhaust system with Water lock for noise reduction and safety
- Integrally molded engine beds for strength and vibration absorption
- Watertight engine room bulkheads
- Engines flexibly mounted
- Engine room lighting in all areas
- Cathode protection

Fuel System

- 4x Custom made Stainless Steel fuel tanks, total 6,000 Liters (1,585 US gal)
- Stainless steel deck fuel fillers and breathers
- Racor 500 series fuel/water separator for added safety and ease of maintenance
- Remote fuel shut offs from outside engine room
- Fuel tank monitoring with C-Zone
- Fuel transfer between tanks, with easy operation through CZone



Tempered Glass windows, comfortable and safe side decks

Electrical System

- C-Zone integration of all DC and AC Systems for control, monitoring and management
- Charger/Inverters fitted for power supply, management and distribution 24 Volt
- AGM deep cycle batteries
- Heavy duty batteries for engines and generator starting
- Battery isolation switches installed with remote control at any C-Zone interface
- 24v to 12V converter for certain equipment 120 / 220 Volt
- 22 kW Cummins Onan water cooled generator with Sound Shield
- Mastervolt Mass Combi Ultra 3500 Watt inverter
- Stainless steel shore power connections and cables
- Generator / Shore power residual current devices
- Reverse Polarity protection
- AC power outlets in all cabins, toilets, galley, office, flybridge, engine rooms

Fire Fighting & safety

- Dedicated space for canister life rafts
- Automatic engine compartment fire suppression system with engine shutdown, helm station alarms and manual release.
- Collision bulkheads in bow, and watertight engine compartments
- Keel with shoe for protecting propellers and rudder from nets, ropes and sea bottom.
- 45kg Lewmar Delta anchor

Construction

- Multiaxial FRP Construction using Bisphenol A-type Epoxy Vinyl Ester resin for excellent resistance to corrosion, organic/ inorganic acids, alkalis, oxidizing chemicals and salt solutions, by infusion
- Isophthalic gelcoat for high color stability and osmosis resistance
- Vacuumed infused core sandwich
- Resin infused bulkheads
- Watertight collision bulkheads in forepeak for added safety
- Watertight engine room compartments
- High Quality Tempered Glass windows
- Marine Grade 316L Stainless Steel handrails, deck fittings and hardware

Additional Items (Included)

- Owner's manual supplied
- Engine and equipment manuals
- Boat hook
- Tool kit
- Ship's document case
- Anti-Corrosive Epoxy primer for protection against Osmosis



Stern platform with tender protected from weathering

