



# ILIAD 53F OFFGRID HYBRID

MODEL SUMMARY

OCTOBER 2025



# ILIAD 53F

## Offgrid Hybrid

Discover the future of sustainable luxury cruising, where diesel-electric propulsion meets exceptional performance and elegance. The highly anticipated ILIAD 53F OffGrid Hybrid fuses award-winning design with advanced e-Motion hybrid technology, delivering autonomous, eco-conscious cruising without compromise.

The ILIAD 53F is already renowned for comfort and offshore capability across Asia Pacific, North America and Europe. The new OffGrid Hybrid model builds on this legacy with a parallel hybrid system for seamless transition between diesel power and silent, zero-emission electric cruising.

Powered by Volvo D6 480HP engines, lithium-ion batteries and integrated e-Motion generator functionality, it offers extended range, dramatically reduced CO<sub>2</sub> emissions and near-silent navigation. An extended carbon-fibre roofline carries a 5kW solar array plus 2.45kw of flexible solar panels custom fitted on the coachhouse roof, powering all onboard systems for 24+ hours and enabling rapid battery recharge in under 30 minutes.

Key advantages include lower fuel consumption, reduced maintenance, fewer engine hours and complete tranquility at anchor without generator noise. Redundancy in drive and charging systems ensures confidence on long-range passages.

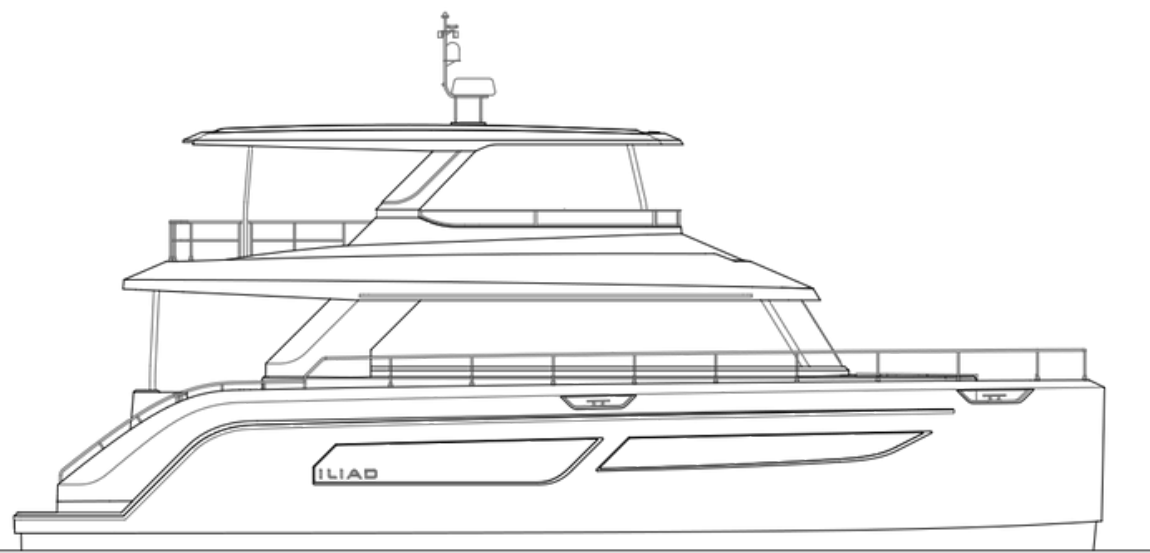
While introducing this breakthrough technology, the ILIAD 53F OffGrid Hybrid retains the hallmarks of the series: expansive interiors with panoramic windows, a gourmet galley with premium appliances, and a full-hull master suite. The design ensures exceptional offshore comfort with one of the highest bridgedeck clearances in its class, plus generous entertaining zones across the cockpit, flybridge and tender platform.



# ILIAD 53F OFFGRID HYBRID

## KEY SPECIFICATIONS

Length:	16.35 m   53.64 ft
Beam:	7.60 m   24.9 ft
Draft at full load:	1.25 m   4.1 ft
Displacement (light):	28,000 kg   61,600 lbs
Range:	3,000 nm
Fuel:	3,000 L   792 gal
Water:	800 L   211 gal
Grey water:	250 L   66 gal
Black water:	250 L   66 gal
Certification:	CE A-12   CE B-12 CE C-20   CE D-25



Construction build to CE and ABYC guidelines

# ILIAD 53F OFFGRID HYBRID | STANDARD LAYOUTS

MAIN DECK



Galley A option

FLYBRIDGE



LOWER DECK



Standard 3-cabin configuration  
Owner's suite in starboard hull

# ILIAD 53F OFFGRID HYBRID STANDARD SPECIFICATION - BASE BOAT INCLUSIONS

Everything you dreamed of, already included.

USD \$2,630,000



## STRUCTURAL MATERIALS

- Hull bottom in solid GRP, topsides and crossdeck in sandwich of GRP and PVC core (density 80-100 kg/m<sup>3</sup>).
- Main deck and deckhouse in sandwich of GRP and PVC core (density 60-80 kg/m<sup>3</sup>).
- Full hull lamination (shell, structures, bulkheads) all in vinylester resin.
- All other laminates in polyester isophthalic resin.
- Construction of main laminates by infusion.
- GRP stiffeners laminated on PVC formers by hand lay-up directly to the shell laminates.
- ISO-NPG gelcoat, White.
- Lower deck structural cabin sole in GRP sandwich.
- Flybridge structure and furniture infused in carbon fibre.
- Watertight and structural bulkheads in sandwich of GRP and PVC core (density 80 kg/m<sup>3</sup>). Partition bulkheads in marine plywood.
- Bulkheads fastened to shell by lamination.
- Independent fuel tanks in aluminium 5052.
- Independent freshwater tanks in stainless steel.
- Grey and black water tanks in aluminium 5052.

## ENGINE ROOM & MARINE SYSTEMS

- 2 X Volvo D6 480 HP engines
- Bonded electrical system with ground plate.
- 24VDC, 220/110VAC ship systems.
- 2 x engine AGM gel type start batteries, 150 Ah.
- Converter Victron Orion 24/12-40.
- Air conditioning 65,000 BTU CWS (with inverter).
- 2 x engine rooms with access from hatch on main deck.
- ER insulation materials Pyrotek Sorberbarrier. Perforated aluminium liners.
- Bonding by copper strip 4 x 32 mm.
- 2 x shafts in stainless duplex steel. GRP sterntube. Flanged shaft seal. Flexible coupling.
- 2 x rudders in stainless steel 316L.
- 2 x propellers, NiBrAl, 4 fixed blades.
- SeaStar EPS power steering.
- Centek mufflers for main engines.
- 2 x ER air inlets with moisture eliminators.

- 2 x air blowers for ER forced ventilation.
- 4 x fire dampers with remote shut-off.
- 2 x automatic fire-suppression system, Seafire.
- 2 x engine fuel filters. Racor 900MA30
- Fuel transfer pump. Jabsco VR050-2122
- Fuel hose, Trident 365.
- 8 x Johnson bilge pumps with Ultra float switches, high-water alarm.
- 1 x 60lts/16gal water heater. BX60 by QuickSpa
- 2 x freshwater pump. Marco UP6/E.
- 3 x grey water sump pumps and tank. Whale BP2054 GW0831.
- Grey waters macerator pump. Jabsco 18590-2094
- Black waters macerator pump. Jabsco 18590-2094
- 3 x deck wash points (cockpit, bow, flybridge).
- 2 x ER cameras.
- 1 x docking camera.
- Interceptors.

## ELECTRONICS

- Autopilot, with control head (Raymarine P70).
- 2 x multifunctional display Raymarine Axiom Pro 16" (1 x Axiom Pro on flybridge and 1 x Axiom XL at main deck helm).
- Raymarine i70, echo sounder, GPS RS 130, including Raymarine backbone and cables.
- AIS (with antenna) VHF (with antenna).
- Raymarine fish-finder sensor CP 100 + CPT 120.
- Raymarine Radar FLIR Quantum Q24C.
- Chain counter.

## ELECTRICAL SYSTEM

- Bonded electrical system with ground plate.
- 24 VDC, 655VDC, 230 VAC ship systems.
- 2 x engine AGM gel type start batteries, 200 Ah.
- 2 x e-Motion back-up batteries AGM 12V/200Ah.
- 1 x Lithium house batteries Victron LFP 25.6V 200Ah.
- 1 x Victron Skylla-i DC24V-80A battery charger.
- 1 x Victron battery charger Blue Smart IP22 24V-16A.
- 2 x Converter Victron Orion 24/12-70.

- 1 x solar panel converter Epic Power EPC 5k5 648iHL.
- 5kw of solar panels on flybridge roof.
- 2.45kw of flexible solar panels custom fitted on coachhouse roof.
- Battery management system Victron Lynx Smart BMS 500.
- 2 x DC busbar Victron Lynx distributor 1000.
- 2 x Victron Galvanic isolator VDI.32.
- 6 x Diode battery combiners BCD402.
- 6 x Blue Sea ST Blade fuse block.
- Victron GX Touch 70 battery and tanks monitor.
- Circuit breakers and fuses BEP.
- Quick Spa interior/exterior LED lights.
- Navigation and anchor lights (Hella Marine).
- Main distribution switchboard panels AC/DC.
- 2 x shore power connection 50A.
- 2 x shore power cord 50A.
- Vimar Plana panels, switches, sockets.
- Bow thruster 655VDC

## E-MOTION SYSTEM (SUPPLIED BY E-MOTION)

- 1 kit Control lever system for 2 stations (length of wires TBD), Xenta System
- 2 x radial flux permanent magnet E-Motion electric engines with electromagnetic tooth clutch continuous power of 145kW each (SAE4).
- 1 DCLink.
- 1 Hybrid control panel including power management system software.
- Site Manager Module for remote connection
- 2 x DCAC power supply for hotel load, 15 kVA each
- 2 x onboard charger for shore power, 19 kVA each.
- Interface Simrad Display or B&G for the Hybrid system and the diesel engine monitoring
- 1 cooling pump control panel (CPCP) for saltwater and fresh pumps
- All data and power wire plug and play
- 2 x e-Motion battery packs with new LFP cells (2.5C fast charge) for a total approx 78.2kWh. Cells: CATL chemistry LFP, cell capacity@ 25°C, 1/3C, 119 Ah

# ILIAD 53F OFFGRID HYBRID STANDARD SPECIFICATION - BASE BOAT INCLUSIONS



*Everything you dreamed of, already included.*

## COOLING SYSTEM FOR E-MOTION

SUPPLIED BY SHIPYARD

- 1 x Seawater pump Calpeda BCM 22/1/A.
- 1 x Seawater pump Gianneschi CB 22-95.
- 1 x Coolant pump Calpeda CM 22/E.
- 1 x Coolant pump Gianneschi CB 22-95.
- 1 x Heat Exchanger BOWMAN FG100-3877-2.
- Caleffi relief valve assembly (Manifold, relief valve, air vent, pressure gauge, ballstop valve).
- 5-8L Stainless steel reservoir tank, with radiator cap and sight glass.
- 1L expansion tank.
- 2 x additional Gearbox Oil Cooler ZF 3312107003.
- Seacock, strainer, overboard fittings, piping, ball valves, check valves.

## EXTERIOR OUTFITTING

- Hull structural keel.
- Tempered glass windows
- S/S cap rub-rail on hull side.
- 4 x cabin deck hatches Lewmar flush hatch 2G, Size 44.
- 2 x bow compartment hatches Lewmar flush hatch 2G, Size 60.
- 7 x hull portlights.
- Large windshield hopper hatch on main deck (Alfab).
- Cockpit sliding door. Aluminium and tinted glass (Alfab).
- 10 x S/S mooring cleats 13", 2 x S/S bollards 15".
- Vertical windlass Quick, 2000W 24V, with chain counter and foot switches.
- S/S 316L handrails on main deck and flybridge.
- S/S navigation mast and lights.
- Cockpit servery (moulded GRP) fitted with teak bar top and storage cabinet.
- Hot/cold shower faucet at swim platform. (Whale Twist).
- All outdoor cushions in Sunbrella fabric.
- All GRP non-skid areas molded into the laminate.
- Propspeed to rudders, shafts and propellers.
- Primer coat, antifouling (black).
- Aft cockpit folding-edge table in teak.
- Flybridge coffee table/dining table in teak (with fixed pedestal).

## EXTERIOR OUTFITTING (CONTINUED)

- Horn.
- Searchlight with remote dash-mount control.
- Fenders and mooring lines x 6.
- Cockpit stern gates in stainless steel.
- Swissway swim ladder with Carina railing telescopic 3 +2 in transom hidden and flush mounted.
- 2 x stainless steel bow pulpits.
- Flybridge helm station with double pilot seat (Besenzoni, white faux leather), standard instruments. 2 x cup holders with drains
- Flybridge galley cabinet with sink and hot/cold water faucet, solid surface countertop, storage cabinets
- Draw fridge in flybridge.
- Flybridge windscreen in S/S 316L and dark acrylic.
- Flybridge lounge (moulded FRP) with cushion, internal storage.
- Helm station engine controls and displays.
- Tilt-mechanism steering wheel.
- Magnetic compass.
- 6 x Aqualuma underwater lights (blue or white).
- Flexiteek laid deck (boarding steps, cockpit, flybridge stairs and flybridge).
- Flybridge gate to close access to aft upper deck.
- Lewmar anchor (DTX 40kgs/88lbs) with 60m/196ft x 10mm/3/8" short link chain.
- Stainless steel davit lifting system with electric winch (250kgs).
- Digital TV antenna.

## INTERIOR OUTFITTING

- S/S 316L interior handrails.
- Solid Surface galley and bathroom countertops (Meganite).
- BLUM drawer systems and cabinet hinges. Positive hidden cabinet latches.
- Amtico flooring on main deck galley/dinette area.
- Carpet in lower decks and main deck forward saloon.
- Teak flooring in all bathrooms.
- Interior furniture: timber, 2-pack paint, synthetic leather, laminate and fabric according to interior design.

## INTERIOR OUTFITTING (CONTINUED)

- Sofas and seats upholstery in synthetic leather (Ultraleather by Ultrafabrics).
- Saloon coffee table with two storage ottomans.
- Dinette table with two stools. Drawer storage beneath dinette sofa.
- Manual blinds on all hull windows. Motorised blinds on main deck.
- 150mm memory foam mattresses.
- Galley stainless-steel sink with water faucet (hot/cold).
- Induction cooktop hob.
- Hood above hob.
- Air extraction fans in all bathrooms.
- Planus electric toilets with macerator.
- Ceramic washbasins.
- Bathroom and shower fixtures (Kohler).
- Separate shower stall with teak grating in each bathroom.
- Combination washer/dryer.
- Fusion entertainment system (2 speakers in saloon and cockpit with remote, amplifier and subwoofer).
- Electric TV lifter in the saloon with 50" screen.
- Fridge-freezer.
- Oven-microwave combination (galley).
- Liquor cabinet fitted into galley counter (if choosing Galley Option A).
- Dark synthetic leather at main deck helm station and above TV cabinet.
- 1-draw 70L fridge-freezer model in galley bench.
- Main deck helm station with engine instrumentation, windscreen wiper and a double Besenzoni Dragonfly adjustable helm seat (fore and aft adjustment).

## OTHER

- Transport cradles.
- Launching & export formalities.
- Shrink wrapping in preparation for shipping.
- Owner's Manual.



# ILIAD 53F OFFGRID HYBRID

## KEY FEATURES

### OFFGRID HYBRID KEY FEATURES

- Extended flybridge roof integrating 5kW of solar panels and 2.45kw of flexible solar panels custom fitted on coachhouse roof.
- Seamless transition between traditional diesel power and silent, zero-emission electric cruising.
- Powerful Volvo D6 480HP engines, high-capacity lithium-ion batteries and integrated e-Motion generator functionality.
- Extended range and dramatically reduced CO<sub>2</sub> emissions.
- Expansive solar array powers all onboard systems and appliances, enabling sustainable energy generation and true off-grid capability.
- House loads—including air conditioning—operate for more than 24 hours on battery power alone, with rapid recharging in under 30 minutes.
- Significantly lower fuel consumption, reduced maintenance costs, and the ability to enjoy anchorages in complete tranquility without generator noise.
- Engine hours can be reduced by up to 75% over a typical cruising season, dramatically cutting operational costs and extending service intervals.
- Reassurance of redundant drive and charging systems, ensuring confidence on long-range voyages.



## OPTIMAL SAFETY AND COMFORT

- High freeboard giving maximum bridgedeck clearance and improved comfort in challenging conditions. Minimal spray over deck and significantly less wave slapping on hulls.
- Wide sidedecks (70cm/27") with grab rails and high hand rails on bulwark and flybridge.
- Raised bulwark 1ft off the deck for increased safety when moving around the boat.
- Structural keel protects running gear and rudders and allows the catamaran to be beachable in the event of any emergency or remote maintenance.
- Extended carbon fibre flybridge roof providing outstanding weather protection.

## SAFE SEA ACCESS

- Wide stern platforms with swim ladder and shower
- Optional hydraulic swim platform for launching and retrieving tender up to 450kg/880lbs. (Standard spec is stainless steel davit lifting system with electric winch 250kg/551 lbs).
- Cockpit stern gates for optimal safety, particularly with children and pets onboard.





## ALFRESCO ENTERTAINING

- Spacious aft cockpit with large fold-out teak cockpit table that can accommodate 10 people.
- Servery/bar flowing from the galley into the cockpit.
- Flexible options for customising cockpit to incorporate BBQ/grill, ice maker, fridges and custom lounge seating etc.
- Two large storage hatches under the floor in the centre of the cockpit with 1m<sup>3</sup>/3ft cubed storage space each.

## CLASS-LEADING FLYBRIDGE

- Flybridge seating area sheltered by the expansive hardtop.
- Large dining area with C-shaped lounge and under-seat storage.
- Standard synthetic teak flooring.
- Bar with drinks fridge, sink and optional BBQ/grill and icemaker.
- Flybridge helm
- Comfortable Besenzoni double helm seat as standard.
- Spacious aft flybridge deck which is reinforced for a davit crane to hold a second tender or jetski. Also suitable for freestanding furniture/ sunlounges as additional entertaining area.

## SPACIOUS FOREDECK LOUNGE

- Large U-shaped lounges with adjustable setbacks, all in Sunbrella fabrics.
- Large opening hatch from foredeck lounge to saloon for easy communication and access as required.
- Expansive storage lockers under lounges.
- Additional storage in forepeaks, which can be optioned as crew cabins.

## COMPREHENSIVELY EQUIPPED GALLEY

- Galley option A (return bench option) with large 412L double-door fridge, combination oven/microwave, electric 4-plate induction cooktop, extractor and large stainless sink as standard.
- Optional dishwasher.
- Generous cupboard and benchtop space throughout.
- Liquor cabinet as standard or optional wine fridge.
- Cockpit drinks fridge under the servery bar to the cockpit.

## LUMINOUS SALOON

- Raised forward saloon lounge offering panoramic views
- Ultraleather sofas and freestanding coffee table with concealed storage ottomans for additional seating.
- Opening hatch for excellent air flow through the main deck.
- Excellent visibility when driving from the lower helm.
- Besenconi double helm seat for comfort on longer passages. (Twin seat options available).
- Large storage hatches throughout main deck interior flooring and beneath saloon carpet.
- Ambient indirect lighting and feature ceiling panels.
- Electric TV lifter in the saloon with 50" screen.





## LUXURIOUS MASTER SUITE

- Master cabin extends the entire starboard hull with a full walk-around queen-sized bed.
- Large hull windows for excellent views.
- Wardrobe hanging lockers located aft of the master cabin.
- Four spacious storage drawers concealed under the master bed.
- Vanity table with concealed stool.
- Sofa, bookshelves and additional storage drawers. Customisable to create extra storage as required.
- Sliding door to create exceptional privacy for master suite hull.
- Spacious vanity with double sinks and storage behind mirrors and below vanity top plus
- Separate linen closet.
- Electric freshwater flush toilet.
- Generous walk-in shower with teak grate flooring.
- Large windows for natural light and overhead hatch ventilation.

## SPACIOUS AND FLEXIBLE GUEST ACCOMMODATIONS

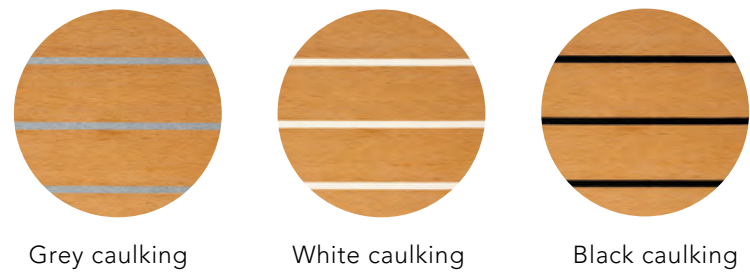
- Aft twin cabin as standard - can be configured to feature a double island bed design.
- Fore cabin features as standard a double and raised single berth, ideal for families.
- Ample drawers, under-bed storage and closet space in both cabins.
- Large windows for natural light, portholes and overhead hatch ventilation.
- All guest cabins feature private ensuites with vanity (storage behind overhead mirrors and under basins), electric toilets, walk-in showers with teak grate flooring, hull windows and overhead deck hatches for natural ventilation.

## ILIAD 53 SERIES | STANDARD FINISHES

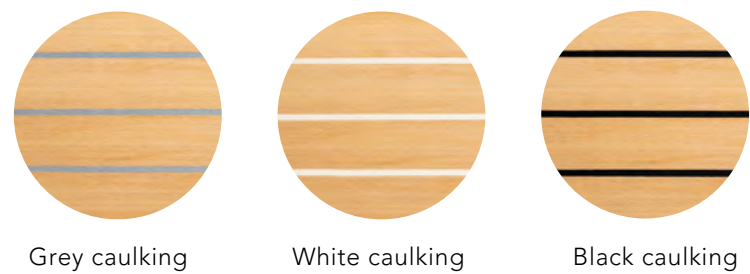
Standard selections as suggested by the ILIAD Catamarans design team. Contact your ILIAD Dealer to discuss the variety of additional finish options available.

### EXTERIOR FLOORING | FLEXITEEK

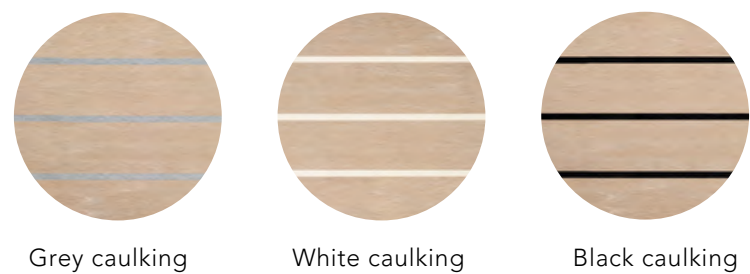
#### TEAK



#### SCRUBBED



#### WEATHERED



### EXTERIOR TIMBER (COCKPIT & FLYBRIDGE TABLES, COCKPIT BARTOP) - INHOUSE TEAK VENEER

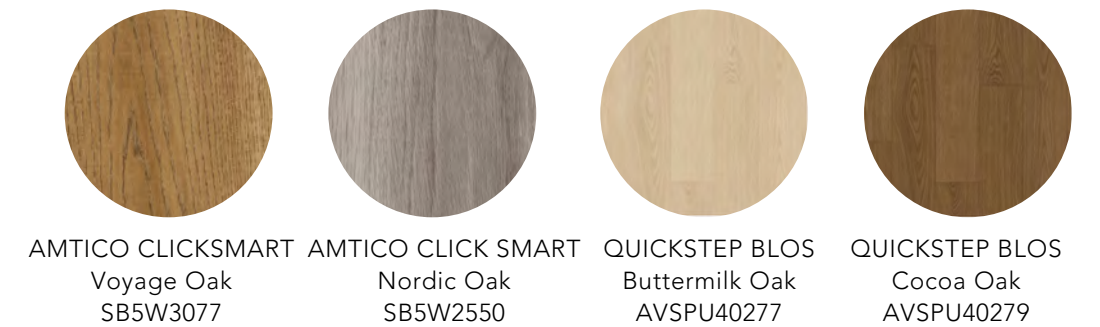


### INTERIOR TIMBER (CABINETRY, INTERIOR LININGS, DINING TABLE) IN-HOUSE TIMBER VENEERS

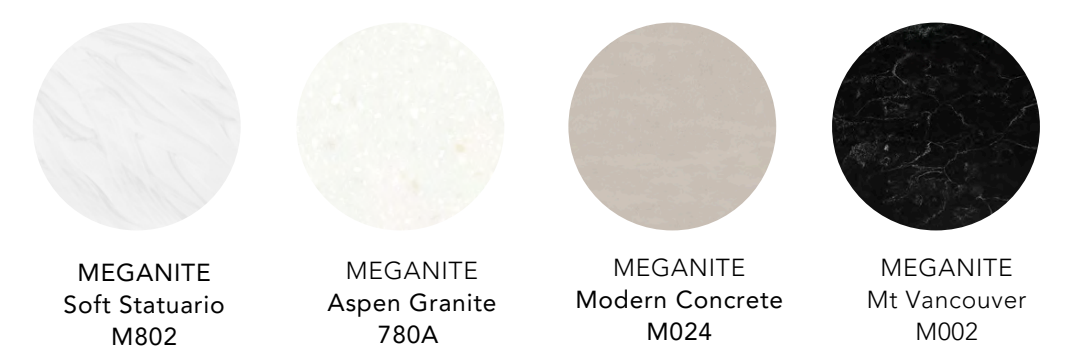


Available in 0%, 50% or 100% gloss finish. Straight or Flamed grain finish. Galley cabinetry also available in 2-pack finish if preferred.

### INTERIOR FLOORING (GALLEY/DINETTE) - AMTICO CLICKSMART & QUICKSTEP BLOS SERIES



### BENCHTOPS (SALOON COFFEE TABLE, GALLEY, CABIN TABLETOPS) - MEGANITE



# ILIAD 53 SERIES | STANDARD FINISHES

Standard selections as suggested by the ILIAD Catamarans design team. Contact your ILIAD Dealer to discuss the variety of additional finish options available.

## SYNTHETIC LEATHER (SOFA UPHOLSTERY, BEDHEADS AND FRAMES, DECORATIVE PANELS) - ULTRAFABRICS ULTRALEATHER



UltraLeather Doe  
291-3601



Promessa Tusk  
363-3464

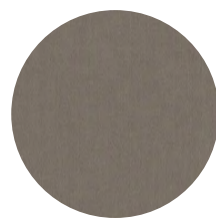


Brisa Distressed  
Navajo Ivory  
535-3480

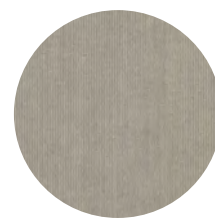


Brisa Distressed  
Chamois  
535-3024

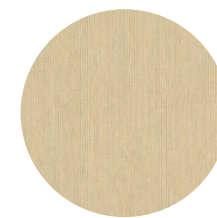
## EXTERIOR UPHOLSTERY SUNBRELLA®



Spectrum Graphite  
48030-0000



Spectrum Dove  
48032-0000



Spectrum Sand  
48019-0000

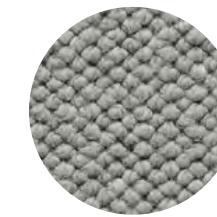
## CARPETS (SALOON/CABINS) HIMALAYA CARPETS - ATHENA RANGE 100% wool. Loop pile. 2000 g/sm



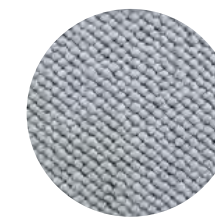
1701



1705



1718



1720



1721



1722

## SYNTHETIC LEATHER (CEILING PANELS, WINDOW FRAMES) - SOFFKIN KALMIA



White  
K-A3002

## CONTACT

**To arrange a personalised quotation, incorporating your preferred finishes and options, please contact your nearest ILIAD Catamarans dealer.**

Visit our website to discover more information about our entire range, including reviews, videos and upcoming events.

[www.iliadcatamarans.com](http://www.iliadcatamarans.com)



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