DEFINE YOUR HORIZON







# Defining the FD Series

### VOIUMF

The FD Series yacht offers interior space and volume that is unrivaled, allowing for layouts and amenities once limited to much larger builds.

### STYIF

From the design studio of Cor D. Rover, the FD Series yacht is defined by large windows, generous deck spaces and a striking, head-turning profile.

# COMFORT

The FD Series yacht boasts an innovative High Performance Piercing Bow and hull design that affords superb comfort in all sea conditions.

# Current Models

# **FD75**



Tailored to the Owner/Operator

# **FD80**

On-Deck Master and Beach Club



OPEN BRIDGE



# **FD85**



Style, Space, Amenities

# **FD87**

Five Staterooms, Infinite Options







Tri-Deck Superstructure

# **CUSTOMIZATION COMES STANDARD.**

Each model featured is the result of a design evolution accommodating an owner's vision. The FD Series yacht can

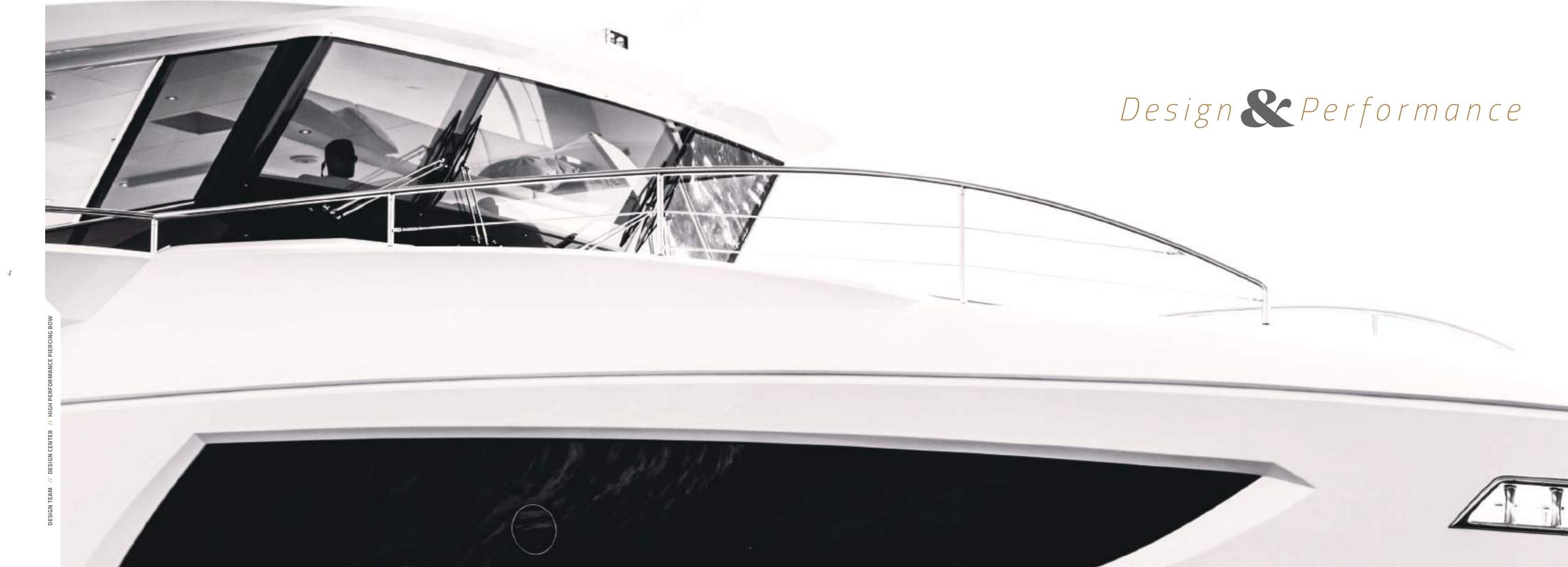
be customized and engineered to your preference.

**FD102** 

Luxury, Space, Sophistication



Superyacht Style with Sport Performance



# Design Team

# A COLLABORATION IN INNOVATION.

At Horizon, over 33 years of yacht building experience has allowed our in-house team of naval architects, engineers and craftsmen to consistently improve upon each build and develop new models. Our one million-square-foot complex encompasses four state-of-the-art facilities within the vibrant yachtbuilding center of Kaohsiung, Taiwan.

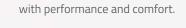




IN COLLABORATION WITH



Horizon partnered with leading Dutch designer Cor D. Rover (right) to conceptualize the FD Series, the first of its kind, in a revolutionary design that efficiently combines style and space













# THESE PAGES

At the Horizon Design Center, clients can select all onboard items, from stonework and woodwork, to fabrics and finishes, fixtures, hardware, china and glassware.

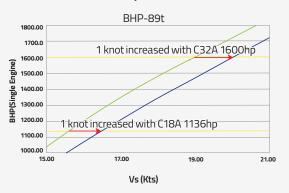


# The High Performance Piercing Bow (HPPB)

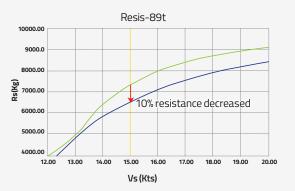
# EFFICIENT CRUISING PERFORMANCE.

The FD Series features a High Performance Piercing Bow (HPPB) - a proprietary design by Horizon Yachts in consultation with Cor Rover. This design, in conjunction with the hybrid hull shape and tunnel design, delivers a shallow draft, more comfortable ride, lower resistance and excellent stability. The HPPB and hull design demonstrated across-the-board hydrodynamic improvements in both tank and CFD testing. While alternative bow designs that feature protrusions work more efficiently at either high or slower speeds, the HPPB brings both efficiency at slower speeds and performance at higher speeds.

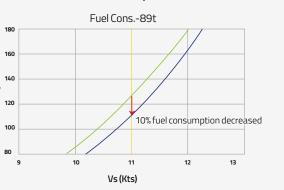
# Speed



# Resistance



# **Fuel Consumption**





The FD hull design delivers lower resistance and a smooth transition in all speed ranges for more efficient cruising.

# SOFT CHINE =

TUNNEL

A properly designed tunnel will reduce resistance and decrease draft.

A soft chine midship & aft in the hull generates smaller waves and reduces the resistance hump at hull speed.

# LONG SKEG

The long skeg offers larger lateral underwater surface area and excellent directional stability.

These two features offer good maneuverability and increase comfort for onboard guests.

HARD CHINE =

dry ride and increases the lift force.

# HIGH PERFORMANCE — PIERCING BOW

The High Performance Piercing Bow is not only designed for high efficiency but also for a greater hull speed. The submersed sharp bow underwater makes it easier to cut through underwater currents, so the HPPB increases the length of the waterline and reduces the entrance angle of the bow wave. This also enhances ride comfort in head seas by damping the motion while benefitting the hydrodynamic performance across the board.

Tailored to the Owner/Operator

### THE GAME-CHANGER.

Taking its place at the entrance of a series known for unparalleled volume, innovative functionality and intelligent layout, the FD75 is a remarkable achievement in terms of design and naval architecture. Intended for owner/ operators, the FD75 features a raised pilothouse design that accommodates both an open bridge and a lower helm area. Uniquely, the FD75 is offered in a three or four-stateroom layout, which includes a full-beam, on-deck master stateroom fitted with an en suite and walk-in closets, and two or three spacious staterooms on the lower deck.

Accommodations for two crew members are found aft, and a beach club is optional.





Spacious Foredeck







### THESE PAGES

To achieve layout flexibility with a full-beam, on-deck master and maintain the volume and innovative features that define the FD Series required thoughtful consideration and expert engineering.



for those who change the game

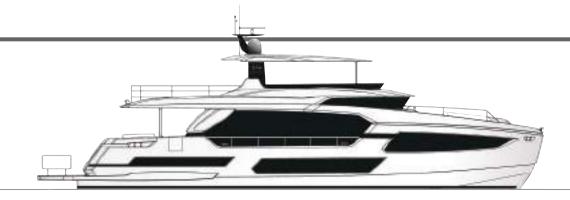


# FD75 Specifications and Layout

L.O.A.	75' 0" (22.86m)
L.W.L.	67' 1/2" (20.43m)
Beam	20' 4" (6.2m)
Draft	5' 4 5/8" (1.65m)
Displacement (half load)	144,601lbs (65.59 tons)
Fuel Capacity	2,400 US gal (9,085ltrs)
Fresh Water Capacity	300 US gal (1,136ltrs)
Engines	Twin Caterpillar C18 ACERT-1136hp
Generators	Twin Onan 17.5kW (50Hz) or Twin Onan 21.5kW (60Hz)
Max Speed (half load)	19.4 knots
Cruising Range (half load)	2,289nm @ 8.1 knots

# **CUSTOMIZATION CAPABILITIES**

As with every Horizon yacht, customization is embraced and encouraged. Aboard the new FD75, popular options include incorporating a fully equipped beach club aft, modifying the main salon to feature a formal dining and galley forward arrangement, or incorporating a convertible dining table to maximize the space.









FD75 // FD SERIES

PROFILE: OPEN BRIDGE

MAIN DECK

LOWER DECK

On-Deck Master & Beach Club

### OWNERSHIP WITHOUT COMPROMISE.

Designed for ownership without compromise, the FD80 offers four staterooms, including an on-deck master, as well as a fully equipped beach club. The FD Series' signature interior volume is maintained while unique full-height windows augment the openness. Available in a Skyline or Open Bridge configuration, the FD80 boasts functional outdoor spaces that rival those found on 90ft-plus motor yachts. Side wingstations allow for improved visibility while docking and the bridge deck aft is spacious enough to accommodate a 16ft tender.







# THESE PAGES

Plentiful headroom and a 22' 8" beam contribute to the spacious interior, which is augmented by large windows and privacy glass for an open feel.



yacht ownership without compromise





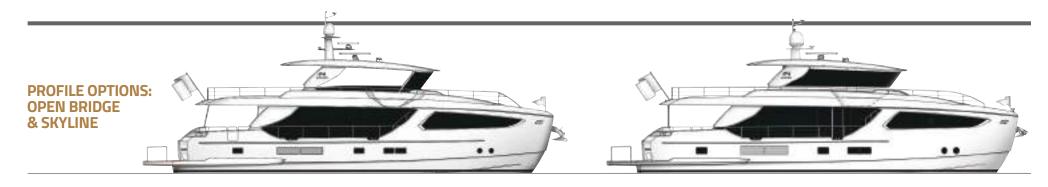


# FD80 Specifications and Layout

LOA	80' 7" (24.56m)
LWL	70' (21.35m)
Beam	22' 8" (6.91m)
Draft	5' 3" (1.61m)
Displacement (half load)	174,160lbs (79 tons)
Fuel Capacity	2,700 US gal (10,220ltrs)
Fresh Water Capacity	400 US gal (1,500ltrs)
Engines	Twin CAT C18A - 1136hp
Generators	Twin Onan 27kW (50Hz) or Twin Onan 29kW (60Hz)
Max Speed (half load)	17.4 knots
Cruising Range (half load)	1,700nm @ 10 knots

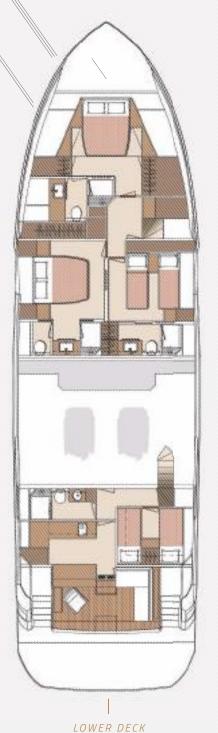
# **CUSTOMIZATION CAPABILITIES**

As with every Horizon yacht, customization is embraced and encouraged. Aboard the FD80, owners can select the Open Bridge with a fixed windscreen or a fully enclosed Skyline configuration. The interior dining and galley area as well as the foredeck lounging and cocktail area are popular spaces for owner customization.









BRIDGE DECK

Style, Space, Amenities

# DARE TO BE DIFFERENT.

The first model introduced in the FD Series, the FD85 boasts a hull design that not only provides optimal performance but also allows for voluminous interior and exterior spaces in an attractive package. Marked by a striking profile that features a vertical bow and plentiful full-height glass windows, the FD85 has been designed throughout with entertainment and seakeeping in mind. The FD85 can easily be managed by an experienced owner/operator and also has the capability to accommodate crew.





### THESE PAGES

Within its beamy interior, the FD85 can be customized to suit your style. Areas from the salon to the galley to the staterooms can be outfitted with your selection of wood, stone and finishes.



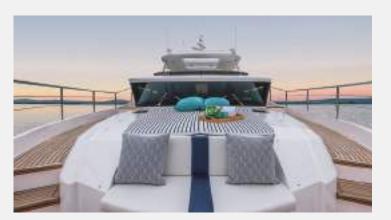


36





# looks + volume. built for cruising



# THESE PAGES

The Open Bridge on the FD85 provides a magnificent area for relaxing and entertaining.



# **CUSTOMIZATION CAPABILITIES**

The FD85 can be customized to suit
owners worldwide, and has been
designed for the European, Australian
and American markets. Popular
customizations include a retractable
sunroof, interior layout changes,
the Skyline or Open Bridge profile
configuration, and even a touch-and-gohelipad with a carbon fiber hardtop!









FD85 // FD SERIES

PROFILE: OPEN BRIDGE

BRIDGE DECK

MAIN DECK

Five Staterooms, Infinite Options

# DISRUPTIVE INNOVATION IN ITS MOST BEAUTIFUL FORM.

Marked by contemporary lines, tremendous interior volume, and ingenious functionality, the FD87 sets the benchmark for innovation in yacht design. The most popular model in the FD Series, the FD87 is supported by Horizon's High Performance Piercing Bow and offers the option of a fully equipped beach club as well as five guest staterooms including an on-deck master. Packed with amenities within its 23' 3" beam, this advanced mid-range yacht marries space with style and performance.







# innovative+



THESE PAGES Horizon Design Center works with each owner to select the wood, stonework, glassware, fixtures and finishes that best complement the intended onboard

lifestyle.







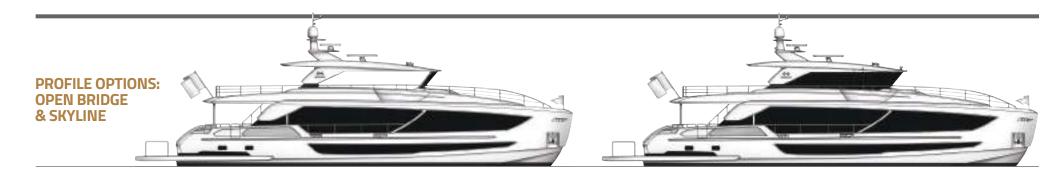


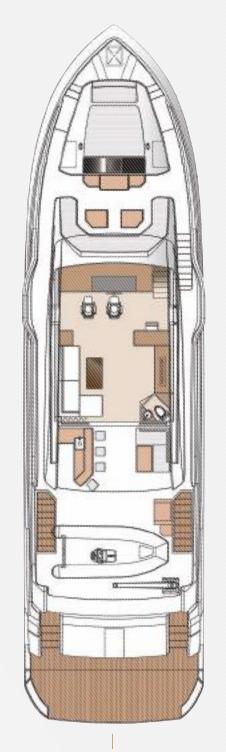
Skyline Layout



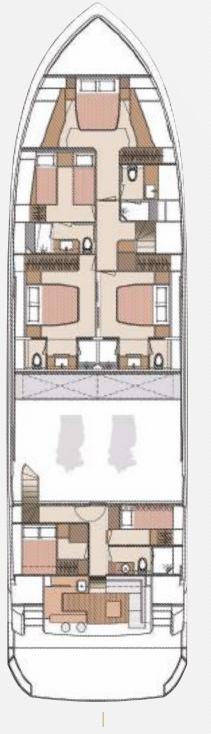
# **CUSTOMIZATION CAPABILITIES**

The opportunities for customization
aboard the FD87 are limited only by
the imagination. Owners can select
Open Bridge or Skyline configurations,
stateroom layouts, crew quarters and
beach club options. The large foredeck
area is a popular space for incorporating
storage, refrigeration and shaded
sunpads for even more al fresco dining
and relaxation opportunities.









FD87 // FD SERIES

BRIDGE DECK

MAIN DECK

LOWER DECK

Tri-Deck Superstructure

# A DESIGN EVOLUTION.

The new FD92 concept design features a unique tri-deck superstructure perched atop an extended hullform. The tri-deck design – the first ever for the FD Series – offers a five-stateroom layout with an on-deck master, crew quarters for three and a beach club. Inspired by the volume and space of the FD87, the FD92 fits the criteria for owners looking for the best of both worlds - with both interior and exterior areas maximized throughout. The lightweight flybridge provides an additional open space for helming or relaxing without compromising performance.





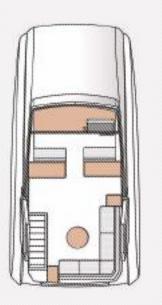


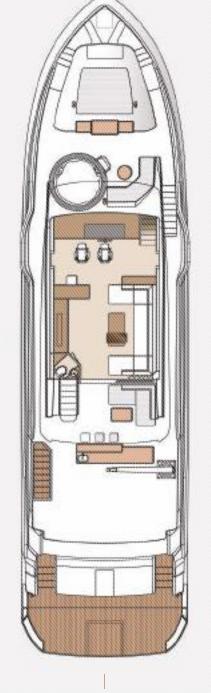
# FD92 Specifications and Layout

LOA	94' 1/2" (28.66m)
LWL	80'10" (24.64m)
Beam	23′ 3″ (7.11m)
Draft	6' (1.83m)
Displacement (half load)	235,890lbs (107 tons)
Fuel Capacity	4,000 US gal (15,140ltrs)
Fresh Water Capacity	400 US gal (1,500ltrs)
Engines	Twin MTU 10V2000 M96L - 1600hp
Generators	Twin Onan 40kW (50Hz) or Twin Onan 40kW (60Hz)
Max Speed (half load)	19.1 knots
Cruising Range (half load)	1,880nm @ 10 knots
	20 19

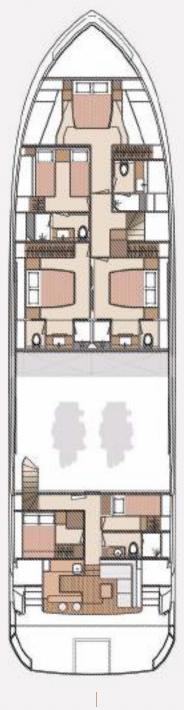
# **CUSTOMIZATION CAPABILITIES**

The FD92 is a customization in and of itself, having been born from the drawings of an FD87. The owner desired a tri-deck layout, which was easily incorporated with a hull extension, affording even more exterior deck space and an uppermost deck that can be shaded with a bimini top.









PROFILE: SKYLINE

FD92 // FD SERIES

SUN DECK

BRIDGE DECK





Superyacht Style with Sport Performance

# **EXTENDED RANGE, AUGMENTED AMENITIES.**

At an overall length of 105 feet and accommodating a voluminous interior within a 24'9" beam, the FD102 is the first "superyacht" model in the FD Series. Fitted with innovative amenities throughout, the FD102 can be configured with double salons, an on-deck master stateroom, and a spacious four-stateroom-layout on the lower deck. The FD102 accommodates up to three crewmembers, and a walkaround design on the bridge deck level maintains the privacy of the interior spaces while providing a seamless transition between outdoor entertaining areas.







### THESE PAGES

Augmented by the generous volume that defines the Series, the FD102 is further enhanced by large windows and luxurious finishes.



superyacht style. smooth cruising







Bridge Deck Aft

# FD102 Specifications and Layout

LOA	107' 5" (32.75m)
LWL	92' 4" (28.15m)
Beam	24' 9" (7.57m)
Draft	5' 10" (1.79m)
Displacement (half load)	268,960lbs (122 tons)
Fuel Capacity	4,500 US gal (17,030ltrs)
Fresh Water Capacity	600 US gal (2,270ltrs)
Engines	Twin CAT C32A - 1600hp
Generators	Twin Onan 40kW (50Hz) or Twin Onan 40kW (60Hz)
Max Speed (half load)	20.2 knots
Cruising Range (half load)	2,180nm @ 10 knots

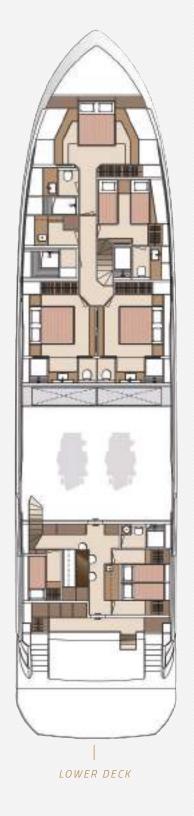
# **CUSTOMIZATION CAPABILITIES**

Each owner is invited to visit Horizon's state-of-the-art facilities in Taiwan during the build process. Here, the owner will meet with engineering and design teams to customize the yacht to suit the vision. Every request is analyzed and engineered to ensure stability, safety and performance are maintained.









FD102 // FD SERIES

BRIDGE DECK

MAIN DECK

Elegance, Volume and Versatility

# DARING TO BE BOLDER.

The largest concept offered in the acclaimed FD Series, the FD125 makes an elegant entrance, with her head-turning superyacht styling matched by superb performance and stability beneath the waterline. The FD125 incorporates double salons, a spacious galley, five staterooms including an on-deck master, and accommodations for eight crew.









# On-Deck Master

# elegance + performance







# THESE PAGES

The FD125 superyacht features a sophisticated interior exuding luxury and style. The five-stateroom layout is paired with exterior deck options and stability and comfort below the waterline.



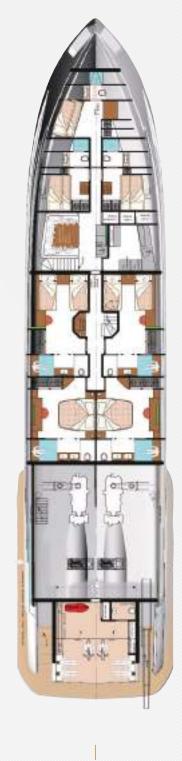
# **CUSTOMIZATION CAPABILITIES**

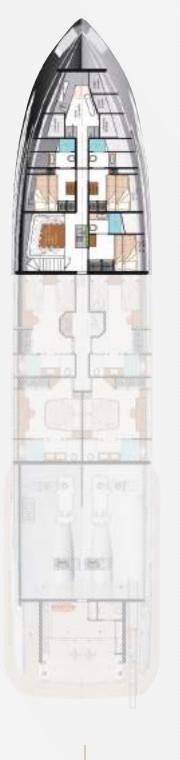
The FD125 is truly a fully custom build, which allows owners to capitalize on the engineering and proven performance of Horizon's proprietary High Performance Piercing Bow and hull design as well as the voluminous and bright interior spaces that define the FD Series.











MAIN DECK

LOWER DECK

LOWER DECK ALTERNATE

# Our Owners Don't Chase Dreams, They Define Them

# PUSHING THE ENVELOPE.

For more than 33 years, Horizon has been pioneering the

design and build of exceptional motor yachts for discerning

owners. Leaders in advanced composite technologies and

naval architecture, Horizon sets the standards for innovation

so our owners can confidently define their dreams.















