

A decorative graphic consisting of multiple thin, parallel lines that curve and flow across the page, creating a sense of movement and elegance. The lines are light gray and appear to originate from the left and right edges, curving inward and then outward again.

*Benetti*  
ITALIAN EXCELLENCE SINCE 1873

CRYSTAL 140'

CLASS RANGE

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CLASS RANGE



# 140'

## THE SEA AND ITS LIGHT

This is the spirit that has inspired Crystal 140', the Benetti Class megayacht with fully personalised interiors that make it as unique as its Owner.

Crystal 140' sails in light. It recreates the concept of interior space with vast glazed surfaces that provide a wide open view and unfettered enjoyment of the magical cruise sensation.

Crystal 140' sails in comfort. It redesigns spaces to exploit the entire hull volume and welcomes the Owner and their guests into impeccably elegant interiors.

Crystal 140' sails in relaxation. The displacement hull is unhurried as it calmly accompanies every cruise to ensure that each moment at sea is one of pure pleasure.

CLASS RANGE



93'

108'

121'

132'

Crystal 140'

145'



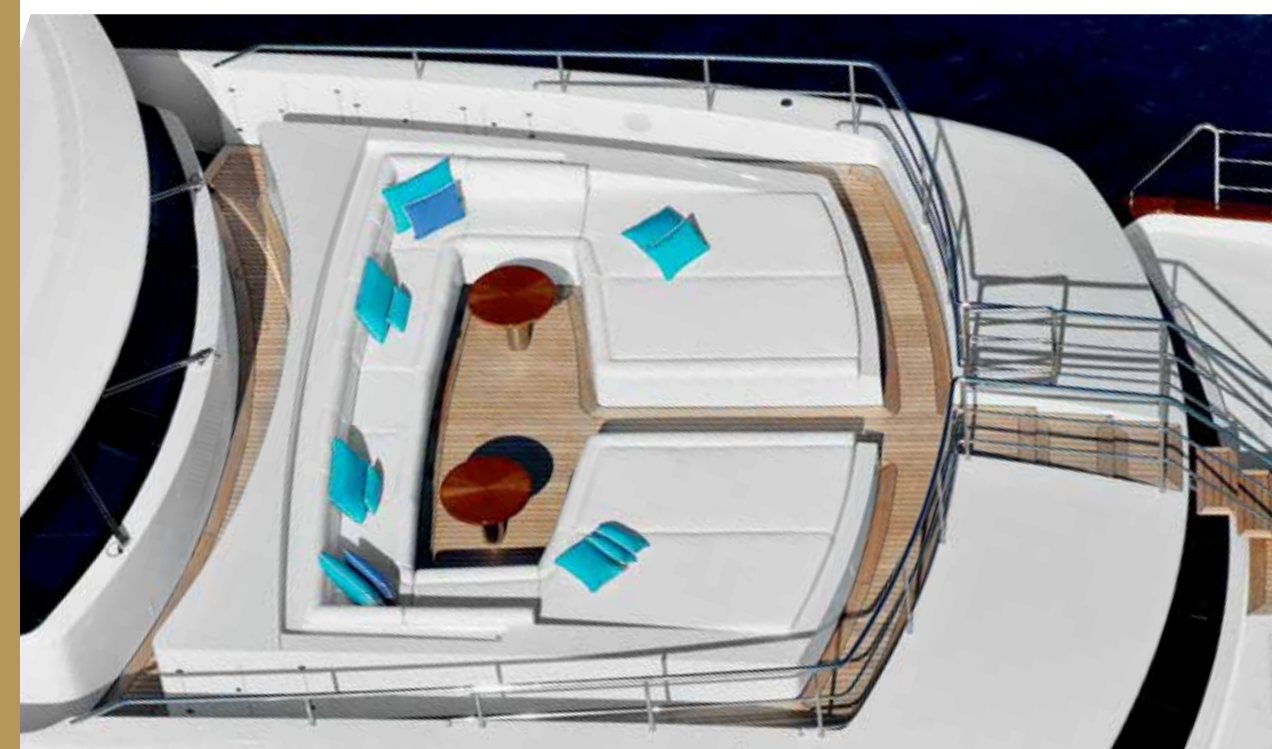


# CRUISING IN LIGHT



On board Crystal 140', even the relationship with light springs from a new concept. The extensive glazed surfaces form an integral part of the yacht's structure and gather as much light as possible to convey an unprecedented feeling of being at one with the sea. The foyer, with a side entrance featuring a big, full-height, sliding glass door, welcomes the Owner and their guests in a space bathed in natural light. With Crystal 140', the emotions aroused by the experience of being at sea are raised to a new level.

# TOP PRIVACY



The Portuguese deck is in a world of its own. An integral but functionally independent feature of the yacht's design, its layout offers a forward sunbathing area for eight people and a dinette seating up to ten guests, plus a passageway around the perimeter for crew access if necessary. All in total privacy.



# TOUCH THE SEA



Crystal 140' elevates the quality of life on board to a superior level with its unprecedented stern concept. The beach area, designed to be independent from the rest of the yacht and provided with all services, has been created to combine the pleasure of direct contact with the water and the relaxation of total privacy. The garage for the tender, jet ski and other equipment has been moved slightly forward, with side access. The lower deck stern area, freed of functional constraints, takes on a completely new and unique meaning in the world of megayachts, offering a majestic beach area in direct contact with the sea, fully appointed with bar, bathroom, shower and changing room.





Main Deck





Sun Deck

# FORM AND FUNCTION

One of the most striking things about Crystal 140' is the way beauty and function both form part of the same unique expression. From the overall design and individual details, to the styling and layout, everything expresses rationality and passion to perfection. This is art, this is Benetti. Confirming the free reign Owners have in designing their yacht, Benetti even offers the possibility of fitting the Crystal 140' with a smokestack. This ageold seafaring tradition has been reinterpreted both to hide technical equipment and storage space, as well as to provide access to the sun-deck area under the hard top using an indoor stairway to avoid getting wet when it rains. The smokestack also offers an unbroken 360-degree panorama.



# CLOSER TO THE SUN



Sun Deck

The sun deck provides even more space for relaxation and sunbathing, extending across the entire deck area. Two spacious side wings designed by Stefano Righini offer Owners sea terraces from which to scan the horizon. The space available is exploited to the full to provide a deck area for large groups without encroaching on anyone's privacy.

The dining area completes the pleasure of relaxation, featuring a big table positioned under the hard top and sliding awning.



Sun Deck



# LIVING IN A NEW DIMENSION

The upper deck living area doubles the pleasure of living on board, offering two functionally separate but perfectly intercommunicating areas: an outdoor relaxation area dominated by a big sofa and an indoor dining area with a sliding glass panel, for air-conditioned comfort without sacrificing spectacular views of the horizon. Two independent spaces that form one big living area.



*Every Crystal 140', like every Benetti, is created to reflect Owners' desires to perfection.*

*They decide on the interior decor and select the furnishings, materials and lights, expressing their personality through each and every detail, no matter how small.*

*In this case the Owner aspired to a classical style with strong colonial hints. Finely treated mahogany, gold-plated finishings and fabrics with the exotic flavour of faraway places are Benetti's impeccable interpretation of this vision.*





Main Deck Dining Area • Previous page: Main Deck Main Saloon

# THE HEART OF CRYSTAL 140'

The main deck is the heart of the yacht and a natural meeting point, where everything enhances the pleasure of spending time in good company. This is why there are two different stairways, to give guests the utmost in privacy and the crew full freedom of movement. This recurrent feature of every Benetti yacht is the result of many years' experience designing megayachts.



Upper Deck Dining Area



Upper Deck Living Area



FANATICAL ATTENTION TO  
DETAIL







Main Deck Owner's Cabin

# A ROOM WITH A VIEW

The master suite is the Owner's kingdom. Fine wood, highly-prized fabrics and soft lighting: everything is designed to ensure perfect rest. And because the pleasure of being at sea knows no limits, the large windows around the bed offer stirring views both when at sea and at anchor.



Main Deck Owner's Cabin

Every detail, even the most hidden, bears witness to superior quality and fanatical attention to detail. The master suite is fitted with security cabinets and wardrobes with internal compartments. The elegant vanity area is adorned with a blind that can be raised to extend the sea view exponentially.



Main Deck Owner's Bathroom



Lower Deck Vip Cabin

Crystal 140' also makes sure that guests have plenty of space to rest in. The carefully arranged layout of the lower deck offers four spacious cabins, two with double beds and two with bunk beds. The thickness of the partitions (mounted on tracks fitted to silent block mechanisms that absorb all vibrations), the materials used and a carefully designed layout ensure the utmost silence and privacy in every cabin.



Lower Deck Vip Bathroom



Lower Deck Twins Cabin



Lower Deck Twins Cabin



Wheelhouse

## THE WORLD UNDER YOUR CONTROL

Crystal 140' is fitted with the Integrated Bridge system developed by Benetti: an innovative technology that provides a functional interface for all navigation, telecommunications, safety and data transmission equipment, ensuring extreme ease of use and faster reaction times, which translate into even more safety. Even the location of the bridge next to the Captain's cabin contributes to ensuring that the yacht is always fully under control.

More than a century of experience and an intimate knowledge of Owners' needs have contributed to the design of BEST - Benetti's Exclusive Sea Technology - the first integrated system that brings all on-board electronics equipment and systems together on the same platform. In BEST, although subsystems have different functions and draw on different technologies, they can talk to each other in the same language: the television talks with the lights and the TV cameras communicate with the telephones. All this is made possible by the fact that every function has an open communication interface with the rest of the system.



# CRYSTAL 140'

## TECHNICAL SPECIFICATIONS

UPDATED: JULY 2012 - VALID FROM HULL 004

### 00. GENERAL

The vessel dealt with in this specification is a full displacement motor yacht, with bulbous bow, twin screw propellers and twin diesel engines.

**Model** Benetti Crystal 140'

**Builder** Azimut-Benetti Spa, Benetti Shipyard  
Via M. Coppino, 104 Viareggio (Lucca) - Italy  
Phone +39 05843821 - sales@benettiyachts.it - benettiyachts.it

**Naval Architect** Azimut-Benetti, Benetti Technical Department

**Concept and Exterior Design** Stefano Righini

**Interior Design for Owner's and Guest areas** François Zuretti

**Interior Design for Crew areas** Azimut-Benetti, Benetti Technical Department

### Dimensions and Characteristics

**Length overall** 41.93 mt - 137' 7"

**Length waterline** 35.52 mt - 116' 6"

**Beam overall** 9.05 mt - 29' 8"

**Draft at half load** 2.14 mt - 7'

**Draft at full load** 2.28 mt - 7' 6"

**Light Ship Displacement** 303 tons

**Half Load Displacement** 343 tons

**Full Load Displacement** 378 tons

**Fuel tank capacity** 58,000 l - 15,322 US gals

**Fresh water capacity** 8,000 l - 2,113 US gals

**Sea water ballast capacity** 14,500 l - 3,830 US gals

**Accommodation for Owner & Guests** 12 persons in 6 cabins

**Accommodation for Crew** 7 persons in 5 cabins

**Max speed at half load displacement** 15.0 Knots

**Cruising speed at 85% of maximum power at half load** 14.0 Knots

**Range at 11 Knots one generator working at 75% of maximum power** 4,000 Nautical Miles

### Classification and Certificates

The Yacht will be built in accordance with the following:

- RINA rules for classification of pleasure yachts C ⚓ HULL • MACH Y;
- Convention on the International Regulations for Preventing Collisions at sea, 1972;

Flag Authority Requirements, additional to Class Notation and to the Specification, will be evaluated case by case and quoted accordingly if feasible.

# CRYSTAL 140'

## TECHNICAL SPECIFICATIONS

### 01. STRUCTURE

Hull and deck are entirely built in FRP (Fiberglass Reinforced Plastic) with combination of foam core sandwich and single skin fiberglass construction.

Superstructure is built in Fiberglass Reinforced Plastic with a cored sandwich structure.

The connection between the superstructure and the main deck will be obtained by means of stainless steel bolts and flanges and an adequate number of FRP layers according to the Classification Society requirements.

### 02. OUTFITTING

**Windlasses** 2 x Electric windlasses Voltage is 380 Vac, 3 phases and power 5,500 W.

**Capstans** Two electric foot operated capstans

**Anchors** 2 x SHHP (Super High Holding Power) of 219 kg each

**Chains** Five lengths of galvanized studlink chain will be supplied for each anchor. Chain diameter 17.5 mm in special steel grade U2 with common links only

**Gangway** 1 x hydraulic retractable telescopic 3-stage

**Tender and water toys storage** Located on the aft garage n.1 Tender of 6,2 mt and n.2 jet-ski

### 03. AUXILIARY MACHINERY

Auxiliary machinery will be supplied and installed by the Builder in accordance to the General Arrangement and to the Technical Specification, as per Benetti standard.

### 04. PIPING

Piping will be supplied and installed by the Builder in accordance to the Technical Specification, as per Benetti standard.

### 05. VENTILATION AND AIR CONDITIONING

#### Air conditioning system

The air conditioning system is designed on the following data:

Summer

**Outside air** 35 °C - 95 F - R.H. 90%

**Inside air** 22 °C - 72 F - R.H. 55%

**Sea water temperature** 32 °C - 90 F

Winter

**Outside air** 0 °C - 32 F - R.H. 90%

**Inside air** 22 °C - 72 F - R.H. 50%

#### Ventilation system

##### Engine Room

A supply and extraction fans system will be installed for engine room ventilation. The fans will be of the axial flow type, flexibly mounted in the ventilation trunks or in the engine room.

##### Out Engine Room

In general technical compartments and storages will be naturally ventilated to ensure adequate ventilation of each space to avoid overheating and condensation.

The following compartments will have forced extraction:

- forward storage aft the chain locker;
- bow thruster and forward machinery area,
- garage,
- aft port and aft stbd technical areas.

### 06. ELECTRIC AND ELECTRONIC SYSTEM

The electrical equipment, wiring, fixtures, etc. and its installation shall be in accordance with the Classification Society rules.

The electrical system installed shall be to the requirements of the Classification Society and it will generally consist of a 400 Vac / 3 phases / 50 Hz system, a 220 Vac / 1 phase / 50 Hz system and a 24 VDC system.

### Nav Com

An integrated navigation / communication system will be provided. The dashboard will be composed of three LCD monitors and three touch panels for visualizing and controlling all the navigation instruments like radar, echosounder, chart plotter, LOG, GPS rather than the engine / conning data and even the steering system.

Two control stations with 10" Displays will be positioned externally at both sides of the wheelhouse and will include all the necessary commands and instruments for manoeuvring the Yacht in mooring operations.

Integrated navigation / communication system comprising of:

- Intercom system
- SSB system
- One radiotelephone SSB
- One speed-log system
- One echosounder with dual frequency transducer (depth, log, water temp) with PC interface for chart plotter software
- One magnetic compass
- One VHF class D with distress capabilities
- One standard VHF
- One IMO approved 12 kW X - band 4 ft antenna with ARPA and AIS interfaces
- One radar interface
- One gyrocompass
- n°1 digital repeater for steering room
- n°1 rudder angle indicator for steering room
- One meteo fax
- One autopilot
- n°1 take over system for n°3 control stations
- n°1 GPS system
- Telephone system integrated in B.E.S.T system
- n°1 redundant Chart plotter system for charting
- n°1 Satellite communication system for voice and data
- A chromium plated pneumatic three tones horn

### Entertainment system

#### Crew Mess

- n°1 mini Hi-Fi with DVD Player
- n°1 iPod docking station
- n°2 speakers 6,5"
- n°1 TV LCD 26"
- n°1 IP telephone
- Internet connection
- n°1 TVCC control monitor
- Sat TV decoder predisposition (Decoder is Owner's supply)

#### Beach area

- n°1 Marine CD Player / FM Tuner
- n°2 marine speakers 8"
- n°1 IP telephone
- Wi-Fi network coverage

#### Twin Guest Cabins

- Items to be considered for two cabins
- n°1 client B.E.S.T. with DVD player
  - n°1 sintoamplifier
  - n°2 speakers 6,5"
  - n°1 TV LCD 26"
  - n°1 Integrated Wi-Fi remote control
  - n°1 iPod docking station
  - n°1 IP telephone
  - Internet connection
  - Sat TV decoder predisposition (Decoder is Owner's supply)
  - Wi-Fi network coverage
  - Domotic functions integrated on remote control

### VIP Cabins (Lower and Upper Decks)

Items to be considered for three cabins

- n°1 client B.E.S.T. with DVD player
- n°1 sintoamplifier
- n°2 speakers 6,5"
- n°1 TV LCD 26"
- n°1 Integrated Wi-Fi remote control
- n°1 iPod docking station
- n°1 IP telephone
- Internet connection
- Sat TV decoder predisposition (Decoder is Owner's supply)
- Wi-Fi network coverage
- Domotic functions integrated on remote control

#### Crew Cabins

Items to be considered for four cabins

- n°1 mini Hi-Fi with CD Player
- n°2 speakers 5"
- n°1 IP telephone

#### Owner's Cabin

- Items to be considered for two cabins
- n°1 client B.E.S.T. with DVD player
  - n°1 sintoamplifier
  - n°5 speakers 6,5"
  - n°1 subwoofer
  - n°1 TV LCD 40"
  - n°1 Integrated Wi-Fi remote control
  - n°1 IP telephone
  - Internet connections
  - Sat TV decoder predisposition (Decoder is Owner's supply)
  - n°1 iPad docking station
  - n°1 iPod interface
  - Wi-Fi network coverage
  - Domotic functions integrated on remote control

# CRYSTAL 140'

## TECHNICAL SPECIFICATIONS

### Owner's Study

- n° 2 speakers 6,5"
- n° 1 IP telephone
- Internet connection
- Wi-Fi network coverage

### Galley

- n° 1 mini Hi-Fi with CD Player
- n° 4 speakers 6,5"
- n° 1 IP telephone
- Internet connection
- n° 1 panel for crew calls

### Main Saloon

- n° 1 client B.E.S.T. with DVD player
- n° 1 sintonia amplifier
- n° 5 speakers 6,5"
- n° 1 subwoofer
- n° 1 TV LCD 55"
- n° 1 Integrated Wi-Fi remote control
- n° 1 IP telephone
- Internet connections
- Sat TV decoder predisposition (Decoder is Owner's supply)
- n° 1 iPad docking station
- n° 1 iPod interface
- Wi-Fi network coverage
- Domotic functions integrated on remote control

### Main Saloon Game Tables

- n° 2 speakers 6,5" with separate volume control
- Wi-Fi network coverage

### External Main Deck

- n° 4 marine speakers 8" with separate volume control

### Wheelhouse

- n° 1 mini Hi-Fi with CD Player
- n° 2 speakers 6,5"
- n° 1 IP telephone
- Internet connection

### Captain's Cabin

- n° 1 mini Hi-Fi with DVD Player
- n° 1 iPod docking station
- n° 2 speakers 6,5"
- n° 1 TV LCD 26"
- n° 1 IP telephone
- Internet connection
- Sat TV decoder predisposition (Decoder is Owner's supply)
- Wi-Fi network coverage

### Sky Lounge

- n° 1 client B.E.S.T. with DVD player
- n° 1 sintonia amplifier
- n° 5 speakers 6,5"
- n° 1 subwoofer
- n° 1 TV LCD 40"
- n° 1 Integrated Wi-Fi remote control
- n° 1 IP telephone
- Internet connections
- Sat TV decoder predisposition (Decoder is Owner's supply)
- n° 1 iPad docking station
- n° 1 iPod interface
- Wi-Fi network coverage
- Domotic functions integrated on remote control

### Upper Deck Dining

- n° 2 speakers 6,5" with separate volume control
- Wi-Fi network coverage

### External Upper Deck Aft

- n° 4 marine speakers 8" with separate volume control

### External Upper Deck Forward

- n° 2 marine speakers 8"

### Sun Deck

- n° 1 client B.E.S.T. Audio
- n° 1 sintonia amplifier
- n° 1 Integrated Wi-Fi remote control
- n° 8 marine speakers 8"
- Wi-Fi network coverage

### Technical Space

The technical space is located in the main deck crew corridor, where the necessary racks will be fitted.

### Server Rack

- n° 1 switch managed 24 ports full gigabits
- n° 2 switch managed 48 ports full gigabits
- n° 1 outdoor AP Wi-Fi AWK-1100
- n° 1 KVM controller (keyboard, mouse, lcd)
- n° 1 AVoD storage system 6 Tbytes raw RAID System + Avod + OAM + YAS server
- n° 1 LAN server + firewall + data router
- n° 1 VOIP gateway
- n° 1 VOIP server
- n° 1 UPS rack mount
- n° 1 rack for devices housing
- n° 1 CCTV server

### TV SAT AV Distribution Rack

- n° 1 antenna + controller
- n° 1 UPS 700 VA
- n° 1 magic switch multipoint

The antenna positioning has been arranged in order to reduce as much as possible the radio shielding caused by the upper mast, which, according to the Yacht heading and latitude, may cause a black spot in TV signal reception.

### Distributed Equipment

- n° 8 access point Wi-Fi

### 07. MAIN MACHINERY

**Main engines** 2 x CAT C32 Acert in Rating C1 (WOSR) 1081 kW @ 2300 rpm.

**Gear box** 2 x ZF 3356

**Generators** 2 x 125 kW, 400 Vac / 3 ph / 50 Hz

**Propellers** 2 x five fixed blades made in nickel - aluminium - bronze

**Water maker** Two reverse osmosis water makers (14,000 l/day at 25°C sea water temperature)

**Bow thruster** Electric motor of 75 kW Naiad Marine

**Stabilisers** Navigation Stab and Zero Speed at anchor Naiad Marine

### 08. INTERIORS

All decorative material, loose furniture, fittings, accessories, hardware etc. will be chosen according to the proper interior style and Benetti Excellence Range. Deviation from standard equipment will be quoted accordingly.

**Walls** Veneered wood in cherry, oak, ash, mahogany, Tanganyika walnut or equivalent, or upholstered panels

**Floor** Carpet in guest & crew areas - Galley in rubber / vinyl

**Bathroom floors** All guest bathrooms marble / crew rubber tiles

**Ceiling** Lacquered wood or fabric upholstered panels

**Door** Lacquered wood, mirrored or upholstered

**Sanitary ware and taps** Ideal Standard, Grohe or equivalent

**Loose furniture** According the General Arrangement drawing

### Domestic appliances

#### Main Deck, Galley and Pantry

- n° 1 cooking top 90 cm
- n° 1 grill top
- n° 1 exhaust hood
- n° 1 oven 90 cm
- n° 1 oven 60 cm
- n° 1 microwave
- n° 1 dishwasher
- n° 1 garbage macerator for the sink
- n° 1 freezer
- n° 1 fridge
- n° 1 trash compactor
- n° 1 wine cellar undertop type
- n° 1 fridge drawer
- n° 1 coffee system

#### Crew mess

- n° 1 microwave
- n° 1 dishwasher 45 cm
- n° 1 fridge/freezer

#### Main saloon bar

- n° 1 ice maker
- n° 1 frigobar

#### Owner's study

- n° 1 frigobar

#### Guest's lobby

- n° 1 frigobar

#### Sky lounge bar/pantry

- n° 1 ice maker
- n° 1 frigobar
- n° 1 microwave
- n° 1 dishwasher

#### Sun deck area

- n° 2 barbecue
- n° 1 ice maker
- n° 1 frigobar

#### Laundry

- n° 2 washers
- n° 2 dryers

#### Beach area

- n° 1 ice maker
- n° 1 frigobar



# CRYSTAL 140'

## GENERAL ARRANGEMENTS



Sun Deck



Main Deck



Upper Deck



Lower Deck

The lay-outs shown are some of the possible options and do not necessarily correspond to the standard version.

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