



SYNTHEXIS 66

137' (41.81m) 1982 Feadship Custom
Monaco Monaco



OVERVIEW

€23,000,000

Manufacturer: *Feadship*

Engines:	8 Caterpillar	Hull Material:	Steel
Engine Model:	D379 TA	Cruise Speed:	12 Knots
Engine HP:	575	Max Speed:	14 Knots
Beam:	25' 11"	Cabins/Heads:	5 /
Max Draft:	8' 2"	Fuel Type:	Diesel
Water:	2641 G (10000 L)	Fuel:	11623 G (44000 L)



Data Sheet

Category: Motor Yachts
Condition: Used
Model Year: 1982
Refit Year: 2023
Beam: 25'11" (7.90m)
Max Draft: 8' 2" (2.50m)
(0.00m)
LOA: 137' 2" (41.81m)
LWL: 114' 10" (35.97m)
Cabins: 5
Sleeps: 10
Single Berths: 6
Twin Berths: 1
Double Berths: 2
Queen Berths: 1
King Berths: 1

Crew Cabins: 5
Crew Sleeps: 9
Maximum Speed: 14 Knots
Cruise Speed: 12 Knots
Fuel Type: Diesel
Hull Material: Steel
Hull Shape: Displacement
Air Conditioning: Yes

Gross Tonnage: 347
tonnes
Fuel Tank: 11623 gal (44000 liters)
Fresh Water: 2641 gal (10000 liters)
Holding Tank: 11624 gal Classification:
Lloyds
MCA Certified: Yes
Builder: Feadship
Interior Designer: Larvor
HIN/IMO: 8348240
Stock #: 17d79324-11a2-ed11-
aad1-000d3a314302

Engines/Generators

Engine 1	Engine 2	Engine 3	Engine 4	Engine 5	Engine 6	Engine 7	Engine 8
Caterpillar	Caterpillar	Caterpillar	Caterpillar	John Deere	John Deere	John Deere	John Deere
D379 TA	D379 TA	D379 TA	D379 TA	Custom Application	Custom Application	Custom Application	Custom Application
575HP	575HP	575HP	575HP	100KW	100KW	100KW	100KW
428KW	428KW	428KW	428KW	Hours: 7700	Hours: 7700	Hours: 9400	Hours: 9400
Hours: 5714	Hours: 5714	Hours: 5528	Hours: 5528				
Year: None	Year: None	Year: None	Year: None				

Summary/Description

-

MAIN CHARACTERISTICS

VAT Status: EU VAT Paid

Builder: Feadship, De Vries Scheepsbouw

Year: 1982

Refit: 2019 - 2023

Length: 41.76m (137')

LOA: 40.23m (131'9")

Beam: 7.90m (25'11")

Draft: 2.5m (8'2")

Hull Number: 625

GRT: 347

Net Tonnage: 104

Range: 3,500nm

Flag: Malta

Cruising Speed: 12 knots

Max Speed: 13 knots

Guests: 10 in 5 staterooms

Crew: Up to 9 crew in 5 cabins

MCA: Compliant

Classification: Lloyds

Previous Names: Spellbound, Big Eagle II, Halcyon, Centinela IV

Naval Architect: De Voogt

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CONSTRUCTION

Steel hull, aluminium superstructure, with upper wheelhouse, sun deck, raked bow and transom stern. Vessel was fully repainted and new teak decks laid in 2020 - 2022.

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HEAD ROOM

6'7" throughout vessel interiors.

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MECHANICAL EQUIPMENT

2 x Caterpillar D379 TA 575 hp each @ 1225 rpm (Top end rebuild completed in 2021 at 5,000 Hours)

Port Engine Hours: 5528

Starboard Engine Hours: 5714

Dry stack exhaust

Central Fire and emergency system

Central engine room alarm system Link

Kidde Halon fire suppression system

Vosper stabilizer system with Koopnautic controls (3' x 7' fins) MK III

Schottel bow thruster, 15kW electric

2 x Azcue 50A bilge and fire pumps

H & R sump and sewage pumps

Giannischi freshwater pressure pumps

1 x Idromar water maker (new 2023)

1 x Octomarine water maker

Thermia 100 gal. hot water tank, 1.2 kw capacity

Atlas Copco air compressors

Alfa Laval fuel centrifuge

Emergency gasoline fire pump

Headhunter MSD

Domestic chilled water system 113L

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11.5 knots @ 1050 RPM 190 L/H (including 15 L/H for generator)

12.5 knots @ 1200 RPM 285 L/H (including 15 L/H for generator)

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TANKS

Fuel: 44,000 L

Water: 10,000 L

Grey water: 4,800 L

Black Water: 800L

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Water: 10,000 L

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ELECTRICAL

Generators: John Deere custom application 100 kW (new 2012) (Top end Spring 2023)

Port Generator Hours: 7,700 Hours

Starboard Generator Hours: 9,400 Hours

New shore power convertor 90 Kva 2022

24v DC System for starting engines, ships service electronics, emergency lighting

Sephco 55kW Load Bank

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ELECTRONICS & NAVIGATION SYSTEMS

2 x Furuno Radars FAR2127

PBX Telephone System

Intellian FB250

Searchlight

AIS Furuno

Raymarine Chart Plotter

Furuno GP150 GPS

Furuno FE700 Depth

Sailor RT2048 VHF

Standard Horizon LH10 Hailer

Furuno RD30 with Airmar Weather station

Sperry Navipilot V Auto Pilot

Navigat X Mk II Gyro

Two Isolated Navigation Computers with Nobeltec, Transas, and Max Sea

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RADIO ROOM

KVH Mini VSAT

JRC Fleet broadband

Iridium Open port

Inmarsat C

Sailor TT3603E Message Center

Sailor LRIT

Furuno NX700 Navtex

Furuno Color Video Sounder

Sailor VHF

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Furuno NX700 Navtex

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GALLEY/LAUNDRY

New galley 2023 (Providence Froid)

Commercial Multi-top Miele Hob

2 Miele Ovens

2 x Miele High Speed Commercial Dishwasher

Gram Refrigerator & Freezer

2 x Miele Washing Machines

2 x Miele Dryers

Miele Microwave (crew mess)

2 x Gram Refrigerators & Freezer (Laundry)

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Miele Microwave (crew mess)

2 x Gram Refrigerators & Freezer (Laundry)

BREAKFAST AREA

Icemaker

Coffee machine

Gram Refrigerator

Miele High Speed Commercial Dishwasher

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Icemaker

Coffee machine

Gram Refrigerator

Miele High Speed Commercial Dishwasher

BOAT DECK BAR

Virtrifrigo Icemaker

2 x Virtrifrigo Fridges

Miele hot plate

Miele grill

Miele hob

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Miele hot plate

Miele grill

Miele hob

DECK EQUIPMENT

Bridge deck jacuzzi (2,000L 8 person)

3 x Kalenberg Trumpet Horns

20" Carlisle and Finch search light

Observer magnetic compass

EPIRB

Steen anchor windlass

2 x 500 lb. Stockless anchors

2 x 400 feet 5/8" anchor chain

Swim platform with shower

Opacmare 1000kg lowering transom

2 x Atlas 500kg tender crane (foredeck and swim platform)

Standard Communications LH10 Loud Hailer

4 x 12person Life Rafts

2 x Aft Deck capstans

4 x Helm chairs on sundeck

2 x Marquip passerelle

Starboard hydraulic passerelle

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4 x 12person Life Rafts

2 x Aft Deck capstans

4 x Helm chairs on sundeck

2 x Marquip passerelle

Starboard hydraulic passerelle

AV ENTERTAINMENT

Refitted in 2020 – 2022 by Newtech

New intercom system

SMART TV's throughout

SKY Satellite (English)

IPTV (Global streaming)

Apple TV

Sonos

AMX Controllers (Ipad)

V-SAT

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TENDRES & TOYS

1 x Nuovajolly (Prince 38) RIB with 2 x 300HP Yamaha Outboards

1 x 3.4m Zodiac with 25Hp Yamaha Outboard

2 x Yamaha FX Wave Runners (750 Hp) features Fly-Board

2 x Jet Surf Boards MXR (0.9 litre Hp)

1 x Fun Air Inflatable Runway

1 x Jobe Trampoline

3 x F5 (Seabobs) 2016

2 x O'Neil Wakeboards

2 x Jobe inflatable doughnuts

2 x Sea fishing rods + 2 x Casting rods

10 x Snorkel masks & flippers

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10 x Snorkel masks & flippers

REFIT HISTORY

2022 - 2023

New Opacmare aft passerelle

Generator top end rebuild

Full service of windlasses

Paint warranty from 2021

Engine room ventilation cleaning, new controllers installed

Overhaul of engine room fans

Cleaning of exhaust ducts

Air duct ventilation cleaning

New clean lube oil pump

Dirty lube oil pump service

Fresh water pump overhaul

Diesel tank gaskets replaced

Grey water tank pumps and gaskets overhauled

Main engine fuel pumps overhauled

Auto greasers installed on steering gear

Air compressor service and automatic drain valves installed

Starboard side propeller balancing test

HMX System pipework repairs

Main engines - new fly wheels, eliminate gearbox leaks, injection system inspected, heat exchanger inspected, governors inspected

Generators - clean heat exchangers, new additional blowers, new insulation, coolant system overhaul, new breathers

New bilge manifold in lazarette

Lazarette bilges cleaned and painted

Lazarette pipework reorganised

Bilge & fire pumps overhauled

Corrective action on fire pumps

Fuel purifier repaired

Second water maker installed

New generator accelerator filter for removal of soot

Crew interior lighting rebuilt

New VMC's in lower guest and crew cabins for air handlers

New galley layout and installation of new professional equipment

Breakfast bar new equipment and layout

Bridge deck bar refurbishment

Air conditioning overhaul, new seawater pumps & new pipework

Autopilot, tiller & gyro revision

Radio equipment service

Service Furuno radars

New 1,000 Kg Opacmare tender lift rams

2020 – 2022

Reinstated Lloyds classification & MCA compliance

Exterior deck rebuild (Larvor)

Full interior rebuild (Lazer)

Full interior redesign (Boutsen Monaco)

Full AV upgrade (Newtech)

Full exterior repaint

New shore power converter 90 Kva

Main engines top end rebuild at 5,000 hours

Main switchboard rebuilt

Commercial registration

Hull sandblasting

All tanks inspected and welded as required

Tanks sandblasted

Fairing of waterline

New deckhead panelling

All new teak decking where not replaced in 2019

All capping rails stripped and rebuilt

Fresh water tanks inspected & approved by Lloyds

Various deck metal works

New sundeck handrails

Metal work for jacuzzi support

New stairs to sundeck

New bow thruster protection

All piping inspected and approved by class

Corrosion treatment in passageways

Master ensuite rebuilt

New bridge deck bar

Tender engine rebuild

AC works in guest cabins

Double wall fuel lines

Fairing on hull deflections

New handrails

Replacing engine room insulation

New hull fairing

New bridge deck hatches

New underwater lighting

New jacuzzi and plumbing

New sundeck awning and fixing plates

Atlas crane davit on swim platform

New bridge deck seating

New navigation lighting

New interior electricals

Corrosion and paint adhesion failure repair

New main deck seating

New main engine mounts

New electrical blinds

AV/IT Power cables supply & installation

CO2 Extinguishers in galley

New exterior lighting

New galley insulation

Hardware maintenance and repair

Exterior varnish repairs

New emergency lighting throughout

New bathroom extractor/lighting switches

Bow thruster service

Pressure test bypass main engines

New non return valves

New foredeck lighting

New sofa fixing plates & TV supports

Closing 2 breaches in forepeak

Propspeed application on propellers

Final megger testing on electrical systems

Bridge deck seating reinforcement

Sundeck hatches reinforcement

Roxtec VIP & lazarette bulkhead

New black water connection

Electrical improvements in crew area

Velox application on undersection of swimming platform

Main deck aft new AV

Additional fire detectors installed

Exhaust repairs

Mast modifications for VSAT plate

New shaft seals

New emergency batteries

New emergency switch board

Ultrasonic protection of the hull

New pumps for sewage plant

Commissioning of HMX sewage treatment plant

Service propulsion system and preheaters

Coolant flushed and replaced

New starting motor

Upgraded AC system with additional fan coils

New electronic main engine commands

Steering gear maintenance

New safety plan / GA

Stability studies & draft marks drawings

Crew area rebuilt

New Atlas foredeck crane

Fridge & icemaker service

Stabilizer replacement piping

BNWA and bridge equipment upgrades

New depth sounder

Exhaust lagging replaced

Water maker & water treatment service

2019

Vosper stabilizers overhauled and recommissioned

New steering gear pumps

New piping insulation for boilers

Repair and upgrade of stainless-steel capping rail

Repair of stainless-steel swim ladder

VIP cabin piping repairs

New teak door on aft deck

Galley & laundry room new floor

New hinges and overhaul of passerelle hatch and transom door

Lazarette hatch modification

Overhaul of generator pre-heaters

Passerelle storage rebuilt with new insulation

New swim platform tender lift pack installed

New valves and modification of pipework

Sea chests cleaned, inspected and new valves fitted

Service of engine room 110V sockets and inspection of all wiring

All engineer solenoids inspected and replaced as required

New boiler heater installed

Tank alarm system inspection and diagnostic

Main alarm panel inspection

Bow thruster overhaul, new bow thruster flanges & motor brushes

New gaskets and seals on sea water pumps

Main engine turbo service (16 new injectors)

New bilge alarm sensors

Overhaul of stabilizers electrical motors

Manual steering pump removed and overhauled

New tail shaft brushes

New black/grey water vent

XRF test on both rudder shafts

Bilge pump overhaul

New carpet in VIP cabin

Service of engine room blowers

AC Fan coil service

New helm windscreen

Engine room doors replaced

New galley storage fitted

New teak for ladder to access swim platform

New teak on aft deck (plus steel preparation)

New swim platform and steel plating reinforcement

New swim platform fenders

New anchor shackles

New crew area flooring

New helm chair

New swim platform teak

Engine room blowers overhauled

Reconstruction of deck heads

New smoke & heat detectors

Stabilizer shaft repair and service

Bridge wood repaired

New deck cleats

Stern steel plating repairs

Lazarette flooring painted

Engine room floor panels painted

New jet ski chocks

New cushions and dining table upholstery

3 new AC chillers (360,000 BTU)

Racor pre-filters overhauled

New shaft & coupling seals

Tailshaft & rudders pulled, overhauled and inspected by Lloyds

New tailshaft bearings

New bellow gaskets

New stabilizer hosing pipes

Vega tank sensors serviced

Electrical subpanel cleaning

Day fuel tank cleaning

Removal and replacement of cathelco

Megger test performed on all electrical systems

Full water tank cleaning

Lift raft cradle repaired

New gangway

New Maxwell windlasses / capstans

New orthopaedic mattresses

New Opacmare 600kg tender lift

2014

Vibration Survey

Engine alignment

New hard stainless steel fuel lines

New Magnetic compass

Props Balanced

New Magnetic compass

New Wifi external antenna

Cell phone booster and antenna

Rebuild flexible shaft coupling

New windshield wipers

New 24 foot VHF radio antennas

2013

5 year bottom work

Hauled

Plating inspected and ultrasounded (over one thousand shoots)

Anything suspicious was cut out and replaced (included all tanks)

Steering disassembled and inspected with new bearings installed

Stabilizers disassembled, new bearings, and new seals on stabilizer rams

Bottom taken to bare steel and a new bottom system was applied with new primer and 3 coats of bottom paint

New Shaft bearings

New davit cable

New PLC based central alarm system

All new batteries House and Start and Genset

2 new life rafts

2012

New generators

New Battery Charger

2010

Airconditioning in Engine Room

New ER exhaust fans

Extra 100 feet of anchor chain on both sides

2009

Load Bank including cupronickel water supply

Rebuilt both transmissions

Installed new engine mount system and alignment

2008

Full Paint

Fair hull from bare steel

New Airconditioning compressors

New domestic water pumps

New Marine Sanitation Device/black water treatment

New Water makers

New cupronickel saltwater plumbing for gensets, water makers

New tank monitoring system

Upgraded adding 2 new life rafts (the yacht originally had only 2 now has 4)

New 5 blade props

Lots of work replacing areas of frequent/high corrosion with stainless steel

New head-hunter toilets throughout the yacht

REFIT HISTORY

2022 - 2023

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Full service of windlasses

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