



## German Frers 73 mini maxi

**Reference ID:** 202

**Displacement (Kg):** 43220

**Builder / Designer:** German Frers

**Beam (mtr):** 5.78

**Model:** 73 IMS Mini Maxi

**Draft (mtr):** 3.81

**Designer:** German Frers

**Displacement (Kg):** 43220

**Year:** 1987

**Material:** Aluminum

**Location:**

**Engine:**

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## **Description**

CANNONBALL is a custom build 73 ft IMS Mini Maxi designed by the famous yacht architect and designer German Frers. The aluminium yacht was built in 1987 with aeronautical welding expertise by the world-known shipyard Williams & Manchester (Newport, Rhode Island, USA). The first owner sailed the boat in the NW Atlantic, winning several prestigious races, including the Newport Bermuda race in 1988.

Later CANNONBALL crossed the Atlantic Ocean to the Mediterranean Sea. The second owner ordered German Frers in 1996 to design a new bulb keel to improve the yacht's performance. He won several races, including the European Maxi championship. The boat has been sailed by the world's most famous skippers and tacticians.

After a successful racing career with numerous victories, CANNONBALL was bought by an Italian owner and retired. The yacht's interior and systems were upgraded for comfortable cruising the Mediterranean.

Now CANNONBALL is back in business! Refitted in the Netherlands and fully upgraded to modern day Standards. Ready for some serious sailing again.

## **General**

Radio Call Sign: MXSR6

Type: Cruiser/racer IMS Maxi sloop

Yard: William & Manchester, Rhode Island USA

Hull # 60

Bridge deck: teak

Cockpit: 2x (navigation & center)

Special feature: new bulb keel, designed by German Frers 1996

Deckspace: 25 people

## **Plumbing**

- Complete water system refitted (flex pipe: Rehau) 2016
- Electrical boiler: Rheinstrom HZK 50 liters, 1/2/3 KWatt 2016
- Engine coolant water recirculation system 2016
- Watermaker: HEM series 20/1300 200L/hr 2016
- Main bilgepump: Rheinstrom M50E (40 liters/minute)
- Engine bilgepump: Sanguineti Chiavari 1604000 600 Watt (75 liters/minute)
- Peak bilgepump: F.E.I.T PVM 0.16 (30 liters/minute)
- Greywater pump: Rheinstrom M50E (40 liters/minute)
- Manual bilgepump: Whale Gusher 10 (65 liters/minute)
- Bilge alarm: yes
- Deckwash cockpit: fresh water
- Outside shower: cockpit hot and cold water

## **Tanks**

**Disclaimer**

*Disclaimer*

- water: 1400 (4x350) liters
- fuel: 1400 (4x350) liters
- Grey water tank: yes

## Calendar

### 2017

Embarkation	Disembarkation	Departure	Arrival	Days	Distance	Type	Event
Saint Vincent	Grenadines	January 1st	January 7th	7	300	Cruising	Coastal cruise
Grenadines	Barbados	January 8th	January 9th	2	120	Cruising	Coastal cruise
Barbados	Barbados	January 9th	January 15th	7	300	Cruising	Coastal cruise
Barbados	Barbados	January 16th	January 24th	9	60	Regatta week	Mount Gay Around Barbados
Barbados	Grenada	January 25th	January 26th	1	160	delivery	Coastal cruise
Grenada	Grenada	January 28th	February 4th	8	0	Regatta week	Grenada Sailing Week
Grenada	Antigua	February 5th	February 7th	3	350	delivery	Coastal cruise
Antigua	Antigua	February 10th	February 15th	6	0	Regatta week	Jolly Harbour Valentine's Regatta
Antigua	Antigua	February 16th	February 25th	10	605	Offshore regatta	RORC Caribbean 600
Antigua	Saint Martin	February 26th	February 27th	1	100	delivery	Coastal cruise
Saint Martin	Saint Martin	February 28th	March 6th	7	0	Regatta week	Heineken Regatta
Saint Martin	Saint Martin	March 7th	March 13th	7	0	break	break
Saint Martin	Curacao	March 14	March 17th	4	500	delivery	Coastal cruise
Curacao	Curacao	March 17th	March 20th	4	0	break	break
Curacao	Aruba	March 21st	March 21st	1	65	delivery	Coastal cruise
Aruba	Aruba	March 21st	March 25	5	0	break	break
Aruba	San Blas (Panama)	March 26th	March 30th	5	750	delivery	Crossing

## General

### Measurements

- P (boom-top mast) 25,64 m
- E (length boom) 7,84 m
- J (mast-forestay) 8,17 m
- I (mast above deck) 28,14 m
- FL (forestay length) 28,60 m
- LL (luff length) 28,30 m
- LP (luff perpendicular) 12,46 m
- SL (spinnaker luff) 27,80 m
- SMW (spinnaker max width) 15,12 m
- SPL (spinnaker pole length) 8,40 m

## Rigging

- Masthead, Bermudian Sloop, Mast: Sparcraft aluminium 4 spreader, Length: 29,97 m
- Running rigging: Dynema Marlow D12 78 15mm (2014)
- Jack stays: Dynema Marlow D12 78 13mm (2014)

- Standing rigging: ROD rigging (2015)
- Turnbuckles with toggle: BSI (2015)
- Forestay: ROD rigging (2015)
- Backstay: ROD rigging (2015)
- Inner forestay: Dyna one (2015)
- Babystay: Dyna one (2015)

## **Sails**

### **Main sails:**

- Racing 1: North Sails 3Di (2016)
- Racing 2: North Sails Kevlar panel
- Delivery: Doyle Spectra 32,000 denier, 2 reefs, 6 battens round

### **Head sails:**

- Racing 1: North Sails 3Di (2016)
- Racing 2: genoa #1 North Sails Kevlar panel
- Racing 2: genoa #3 North Sails Kevlar panel
- Racing 2: genoa #5 Dacron
- Racing 2: storm jib
- Delivery genoa: Doyle furling 140% Spectra 32.000 dernier, foam luff, UV cover

### **Downwind sails:**

various symmetrical spinnakers

## **Accommodations**

- Spacious saloon featuring huge dining table and lounge
- Seating capacity: 12 persons
- 1x mastercabin 2x semi-twin bed, ensuite bathroom
- 2x guestroom 2 berths
- 1x guestroom 3 berths
- Peak 2x pipe cots
- Total sleeping capacity: 12 persons
- Bathroom/toilet/shower: 2x Raritan Marine Elegance: Vac flush electric 2016
- Floorboards: teak
- Climate control: Clion Marine, self contained units 11.000 BTU, Airco in salon, master cabin and port cabin aft

### **Galley**

Well equipped galley to port side

- Hob: 4 zone Induction: AEG HK654400XB + Maxi Grill
- Combi-steam oven: AEG KS8404101M
- Combi-microwave oven: AEG KM4400001M
- Quooker Combi +, Fusion Square
- Fridge: professional, seawater cooled, ECP200 controlled (2016)
- Freezer: professional, seawater cooled, ECP200 controlled (2016)

## **Deck and Cockpit**

- Anchor windlass: Orvea 0607 windlass
- Anchor: C.Q.R. 48 kg
- Chain: 60 m (galvanized 12 mm) + 50 m line
- Hydraulic winchpack: Bariert
- 2x Bariert 65 hydraulic
- 2x Bariert 37 hydraulic
- 1x Bariert 37 hydraulic
- 6x Bariert 37 manual
- 4x Bariert 28 manual
- Tracks, blocks: Harken
- Hydraulics Navtec
- power/manual Backstay
- power/manual Inner forestay
- power/manual Babystay
- power/manual Cunningham
- power/manual Boomvang
- power/manual Outhaul

## **Electrics**

### **Electricity**

- State of the art complete Victron Energy system, installed 2015
- 2x Victron Energy Quattro 5kVA
- Service batteries: 4x 24V 180 Ah Victron Energy Lithium Ion
- Service battery nav station: 1x 110 Ah Victron Energy Deep Cycle battery AGM
- Back-up batteries: 2x 12V 110 Ah Victron Energy Deep Cycle battery AGM
- Starter batteries main engine: 2x 12V Optima Red Top
- Starter battery generator: 1x 12V Optima Red Top
- Battery chargers: 1x Victron Energy Skylla-i 24V 100 Ah (back-up batteries), 2x Victron Energy Blue Power IP65 (starter batteries)
- 2x Victron Energy inverter: 24/12
- 24 volt DC systeem generator
- 220 volt generator
- Shore power: via Victron Energy Isolation Transformer 7000VA

- Interior lighting: completely refitted with indirect Nautic LED white/red (2016)

## **Multimedia**

- WiFi on board with router
- 40" Samsung Smart LED TV
- Sony Blu-Ray player 3D, Apple TV
- Hifi sound system: Yamaha RXAS710D DAB AV receiver
- Crown Xli800 power amp for subwoofer set: AudioSystem Helon series
- Cabasse EOLE 3 speaker set
- AudioSystem amplifier: CO-35.4
- Speaker set: American Bass MRE7 Compo + American Bass MRE10 Marine woofer
- Music stream Bluetooth

## **Engine**

- Type: Yanmar 4LH-STE Turbo intercooler 4-cylinder
- Total engine power: 190 pk continuous, 230 pk (179,04 kW) max power (4,3 pk/ton)
- Fuel consumption: avg. 11 liters/hour
- Fuel range: 125 hours (1.100 NM)
- Propeller: Maxprop 3 blade
- Cruising speed: 9 kts.

## **Generator**

- Type: Onan model: 16MDKAE
- Capacity: 16kVA, 220V 72,7 amp

## **Safety**

- 2x Liferaft 6 persons: Crewsaver ISO Ocean
- 2x Grab bag (extra flares, isolation blankets, First aid kit, water&food) (2016)
- Jonbuoy Recovery Module 1000 (2016)
- Horseshoe with safety buoy strobe light
- EPIRB GME MT403G with GPS
- SART McMurdo S4
- 12x AIS MOB: EasyOne
- AED (Automated external defibrillator) Samaritan PAD 350P Secure
- First aid manual
- 2x Basic first aid kit
- 3x Safety light ATEX Zone 0

- Extra VHF radio with emergency antenna
- 6x Fire extinguishers
- Thermal Fire Suppression Aerosol Generator for engine compartment: Stat-X 250 T
- Hand bearing compass Plastimo
- Comet Distress Pack III
- 4 SOLAS handflares, 4 white handflares, 4 Parachute rockets, 2 buoyant smoke signals
- Searchlight Maglite high power
- Radar reflector
- Handpump
- 12+2x Life jackets with harness: Spinlock 170N
- Softwood plugs
- Emergency tiller
- Cordless grinder
- Foghorn

## **Electronics and Navigational Gear**

### **Communication**

- VHF radio with DSC: Icom VHF IC-M603
- VHF transceiver Icom IC-M100
- Handheld: VHF with DSC Icom M91D
- SSB: Furuno FS 1550IT
- Satphone: Iridium Motorola 9575 Extreme + external antenna

### **Navigation equipment**

- Chartplotter: Raymarine E7D with fishfinder
- Navigation software: Adrena Range Standard Performance routing, WINGPS 5 Voyager
- Radar: Raymarine HD color, range 48 NM
- AIS: Raymarine AIS650 Class B Transceiver
- Autopilot: Raymarine ST7000
- Sailing instruments: Raymarine ST 60 series
- Depth gage: Datamarine

### **Onboard instruments**

- Compass: 4x Richie Flushmount
- Clock: Schatz radio clock
- Barometer/thermometer: Schatz
- Hychrometer: Schatz

## **Additional**

X-pro Extreme 420 heavy duty (2015) tender with outboard engine Johnson 30 pk (J30RL)





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