

# SY SANTA MARIA - Technical Details

SV SANTA MARIA has been designed and equipped for long distance cruising and expeditions in comfort.

She is a 47-foot steel sloop built in Böblingen, Germany in 1983.

In order to guarantee her reliability even in remote regions, she was equipped with 2 engines, 2 independent steering systems and 3 watertight bulkheads.

SV SANTA MARIA can accommodate up to a total of 7 people. She sails under German flag, registered in Hamburg.

In 1989, SV SANTA MARIA reached the southern latitudes and has since, endured 10 Antarctic expeditions and around 100 circumnavigations of Cape Horn.

In 2017 SV SANTA MARIA headed north and visited the West and East coasts of Greenland in 2018 and 2019.

<b>Builder</b>	Fa. Bretsch, Böblingen, BRD
<b>Designer</b>	Kurt Reinke
<b>Type</b>	Hydra 47
<b>Built</b>	1983
<b>LOA</b>	14.76 m
<b>LWL</b>	12.76 m
<b>Beam</b>	3.90 m
<b>Draft</b>	1.60 m
<b>Displacement</b>	18 tons

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## Hull and Deck

- Steel hull & deck.
- 3 watertight bulkheads. (A collision bulkhead in front of the bow cabin. Two bulkheads in front and behind the engine room. Accessible through watertight bulkhead doors).
- Closed central cockpit with hydraulic steering position.

## Rig

- Sloop Rig – Sail Area 108 sqm.
- ProFurl furling units on headstay and cutter stay.
- Aluminium mast and stainless-steel wire rigging.
- Lewmar fittings.

## Sails

- Mainsail 48 sq.m, full batten system with 3 reefs and lazy jacks.
- ProFurl C480 Furling Genoa 60 sq.m.
- ProFurl LC42 Furling Staysail 28 sq.m.
- Spinnaker.

## Winches

- Lewmar chrome winches.
- 2 x 46 EST in cockpit for genoa and staysail sheets.
- 2 winches in aft cockpit for headsail reefing lines.
- 3 winches on main mast.

## Ground Tackle

- Electric windlass 1000w 12v.
- 50 kg Danforth anchor.
- 100 meters chain / 10 mm.
- 50-meter tow / anchor line.
- 400 meters shorelines.

## Engines

- Twin Yanmar Diesel 4JH5ME á 54 HP (40kw).
- Two x 3 blade propellers.
- Fuel capacity: 750 litres.
- Approximate range, engines only @ 1000 miles

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## Machinery

- SV SMA has a very well laid out full walk-in engine room housing most of the ships mechanical & electrical systems, laid out for ease of access to all equipment.
- Central heating Reflex 66 MKS Diesel Stove in saloon with hot water circulation to aft cabins.
- Lavac toilet systems in aft and bow cabin.

## Electrical

- Electrics: 12v / 220v.
- Services / Navigation 360AH, Starting 90AH.
- 4 x Solar panels to navigation systems.

## Plumbing

- Fresh Water: 2x600 litres.
- Hot water: Hot water tank, 30 litres in engine room.

## Navigation Instruments

- Raetheon 24 miles radar.
- Furuno GPS-30
- B&B Zeus7 GPS, chart plotter & depth plotter.
- B&G log and depth sounder.
- Sestrel 6" hemispherical compass.

## Communications Equipment

- Icom VHF Marine Radio DSC.
- 2 x handheld VHF's
- Iridium Satellite Phone.

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## Safety

- 1 x SOLAS 8-person Life Rafts in cradles with Emergency Release System.
- 1 SOLAS Ring Buoy Rack with Rescue Line.
- 1 SOLAS Ring Buoy Rack with Overboard Pole, SOS Distress Light and Parachute Sea Anchor
- 7 x Life Jackets with Safety Lines.
- ACR EPIRB.
- SART McMurdo S4 Rescue Sart.
- Raymarine 430 ship horn.
- Full Ocean flares pack.
- 3 x Dry powder extinguishers throughout the ship, 1 fire blanket.
- 2 auto bilge pumps in engine room.
- Central electric bilge pump system.
- 1 x bilge pump (movable).
- Security ladder at stern.
- Inflatable ZODIAC C290 RIB Dinghy with Yamaha 8 hp outboard engine.

