

Acqua Star technical specifications (May 2007)

Boat

A boat with accommodations for day journeys for 14 people (12 passengers + 2 crew) and for live aboard for 6 people (4 passengers + 2 crew). An important autonomy at a fast cruising speed.

Hull

The boat hull is made in GRP and structurally reinforced with polyester coated red wooden stringers and frames.

+ former pilot boat built in 1974 by Pombo shipyard (Chateauneuf-les-Martigues, France) for the Monaco Maritime Police and was entirely renovated during year 2003 and 2004 in M.M.S. shipyard (La Seyne-sur-Mer, France)

- + Length over all : 16,55 m
- + Width over all : 4,18 m
- + Draft under load : 1,20 m
- + Weight : 17 metric tons
- + Gross Register Tonnage : 29,34 tons
- + Net Register Tonnage : 7,16 tons

Engines and power

- + **Engines** : 2 SCANIA DSI 11 engines, 480 hp each (year 1996)
- + Maximum speed : 24 knots (at 2100 rpm)
- + Economical speed : 15 knots (at 1500 rpm)
- + Engine gasoil : 2500 liters (400 nm autonomy at economical speed)
- + **Electrical genset** : 20 kVA / 15 kW three phase (year 2003)
- + Genset gasoil : 400 liters (200 hours autonomy)
- + Power : 380 V tri phase, 230 V single phase, 24 V and 12 V continuous
- + 230 V 5A permanently available through converter
- + Pump : 9 m³/h

Electronics and navigation

- + DSC VHF (ICOM IC-M601) linked to GPS (FURUNO GP-32)
- + SSB (ICOM IC-718)
- + DGPS WAAS/EGNOS with C-Map chart plotter : Moroccan and Mediterranean shore maps (FURUNO GP-1650)
- + Dual frequency color sounder (FURUNO FCV-600L)
- + Radar 16 nm (FURUNO M-1623)
- + Handheld VHF
- + Handheld GPS

On board accommodations

- + Front cabin with two single beds
- + Central cabin with 4 single beds
- + Bathroom with toilet, sink and shower
- + Lounge with galley (double plate electrical cooker, micro-wave, electrical oven, refrigerator and freezer), possibility to have and additional double bed
- + Soft water : 1000 liters

Safety

- + Life jackets for 12 passengers (14 adult life jackets and 2 child life jackets)
- + 2 Inflatable professional life jackets with harness for crew members
- + 2 Floating life buoys, capacity 12 passengers
- + 2 Life rafts, Class V, capacity 12 passengers
- + 2 Horseshoe buoys with lights
- + Emergency equipment satisfy requirement of international standards
- + 3 Accommodation extinguishers (6 kg powder, 5 kg CO2 and 1 kg powder)
- + 3 Engine room extinguishers (6 kg powder, 2x13 kg CO2 fixed installation with sprinklers and remote activation from steering room)
- + 9 m³/h bilge pump mechanically attached to genset through electrical clutch, distribution in 4 compartments, remote activation from steering room
- + 4 m³/h automatic electrical bilge pump in accommodations
- + 4 m³/h automatic electrical bilge pump in engine room
- + 4 m³/h automatic electrical bilge pump in compressor room
- + Video camera in engines room with monitor in steering room

Registration

- + Ship under Moroccan flag, registered in Tangier maritime authority under number « 3 - 501 / MM – PL »
- + Licensed by the Moroccan Marine Authority to carry 12 passengers and 2 crew members (by decision of « December the 04, 2006 »)
- + Liability insurance to carry 12 passengers
- + Work insurance for 2 crew members

Diving support

A boat adapted to diving support with all equipment to make HP air or mixed gaz fills.

Compressors

- + 2 air compressors : Compair-Luchard VHP 5E of 13 m³/h each (year 2004)
- + Port compressor linked to a mixed gaz stick blender, double filtration
- + Medical oxygen available on board

HP equipment

- + 13,5 and 15 liters scuba tanks
- + 2 full face Kirby Morgan EXO 26 masks with bailout valve
- + Weights and weight belts
- + Spare scuba equipment

Inspection equipment

- + Sony video camera (format MiniDV)
- + Underwater video camera housing with lights
- + Aquapulse 1B underwater metal detector

Typical pictures

