

AGLAIA



23.0m (75'6")HAMBLE YACHT SERVICES

LOA:	23.0m (75'6")	Year:	Mfg-2002 Model-2002
Beam:	6.1m (20')	Mfg:	HAMBLE YACHT SERVICES
Draft:	Min 2.9m (9'6")	Model:	Ocean Phoenix 77
Clearance:		Type:	Cruising Sailboat
Hull Mtrl:	Kevlar Composite	Staterooms:	3
Hull Cnfg.:	Fin Keel	Fuel Cap:	2600 l (687 g)
Designer:	Rob Humphreys	Water Cap:	1500 l (396 g)
Disp:	62 short ton (56 tonne)	Engines:	1xCummins 6C8 3M 160 HP ,5000hrs
Rig:	Cutter	Speed:	Cruise 9 knots / Max 12 knots
Cockpit:	Aft	Price:	approx. (1,782,000) USD 1,250,000 EUR
Flag:	Barbados		
Location:	Palma, Spain		

Ocean Independence Zürich
Dufourstrasse 65
Zollikon, CH-8702
Switzerland

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Walkthrough

Salon



Salon



There are two entries to the interior: one from the aft helm cockpit to the crew quarters, galley and engine room and one from the center cockpit that goes into the raised salon.

Beginning aft, to port is a captain's cabin with double bed, hanging locker, drawers and opening port. Next forward is a crew head with toilet, sink and Euro-shower. Next forward on port side is entry to the stand-up engine room. A work bench with full standing room is an engineer's heaven. Inboard there is access from the galley to right side of the engine.

To starboard of the aft companionway, a door leads through to the aft lazarette. In this area the crew mess, a bonus for this size yacht, easily seats 3 and up to 4 people. A solid third bunk with proper mattress is high above the table giving plenty of room for people sitting at the table. The galley continues forward along the starboard side. It has various special features: A 4 burner electric Miele stove top above an oven which serves as a regular oven, convection or microwave oven. At the double sink, in addition to the regular spigot, is an "instant hot water" tap, a manual freshwater pump and covers for the sinks. Four freezer/fridges along one wall, one extra day fridge and a refrigerated "cool box" for vegetables.

Up two steps brings you to the raised salon. A high counter transitions between the galley and salon. Forward of the bar area on starboard is a large navigation/desk area. To port a large teak table can be adjusted to dining or cocktail table height. U-shaped settee and chairs seat 8 comfortably.

Forward of the salon are the owner/guest quarters. To port the guest stateroom features over/under staggered beds with hanging locker, bureau, drawers beneath the beds. An ensuite head featuring fresh water toilet, stall shower, sink with Corian-type counters and mirror flanked by vanity lights. This also serves as a day head thanks to a door directly from the passageway.

To starboard is the VIP guest room with double bed outboard, vanity desk with stool inboard,

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hanging locker, drawers beneath the bed and plenty of other storage. Ensuite bath is similar to the port guest head.

The master stateroom is full-width forward. A queen bed takes center stage while outboard fiddled shelves and cabinets above provide storage. To port is a full length hanging locker; to starboard is the ensuite head with fresh water toilet, stall shower, sink with counter, mirror and vanity lights.

The interior is a lovely, rich, American cherry, floors are wide plank wood, while bathroom floors are teak and holly. There are many versions of lighting to produce various ambient moods as well lighting for specific tasks. Hatches have electric mosquito and black-out screens as well as electric stainless steel bars which extend to cover the opening of the hatches for added safety. Ventilation includes air-conditioning, DC fans and opening hatches and ports.

On deck, an opening transom gives easy access to deck and water. The aft helm cockpit has two wheels, all the winches for sail handling and a companionway to the crew quarters aft, a definite safety and "flow" asset. Directly forward of the helm cockpit is a separate "social cockpit." It is a deep cockpit with a high back to the settee. This makes for an extremely safe, protective cockpit. The large center table with leaves also has a built-in fridge for drinks. Forward to port is another steering station (by autopilot) under the hard dodger. The hard roof extends over about half the cockpit. Through an extended awning and drop curtains this area can be completely enclosed for inclement weather. A mid companionway forward leads to the salon.

Security bars on overhead hatches in all cabins operated by remote control switches to open and close. These switches also incorporate controls for mosquito nets and black-out blinds.

Galley and Laundry

Galley



Galley



The galley has been fully equipped with cookware, crockery and cutlery for 8 covers complete with stainless steel storage canisters recessed into the work surfaces.

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The refrigeration system utilizes dual circuit stainless steel hold-over plates cooled by compressors via generator and inverter

2 x 350 liter refrigerator

3 x Deep freezers

1 x 3-drawer vegetable chiller

Fridges and freezers all either AC/DC and water cooled system

U-Line icemaker installed in saloon.

Fridge in central cockpit

Miele electric oven and Halogen 4 burner hob

Stainless steel extraction canopy

Quooker (outlet at galley sink) supplies instant boiling water (for hot drinks etc.)

Russell Hobbs toaster

Avonite galley work tops

Miele washing machine, installed in lazarette area by the crew accommodation.

Electronics and Navigation

Nav Station



B&G Hydra 2000 240-PK-2 with standard transducers and MHU with main processor and 1 FFD

Centre cockpit B&G 6 x Additional FFD's

FFD Positions:

1 @ Port Helm

1 @ Starboard Helm

1 @ Centre Cockpit

1 @ Communications Area

1 @ Forward Cabin 1 @ Starboard

Cabin

1 @ Crew Cabin

B&G Hydra Pilot ACP2 240-PK-ACP 2 - aft cockpit

plus a remote unit for hydra pilot - centre cockpit

B&G Halcyon gyro-stabilised compass

24/12 v Converter for Hydra system

Furuno 10" Colour radar/plotter M1833C 4KW dome - Centre cockpit

Furuno GP31 GPS - Centre cockpit

Furuno GP-31OB Network 12 Channel GPS sensor

Yeoman GPS navigator - Centre cockpit

Furuno VHF 12v radio telephone - FM 2721 - Centre cockpit

Furuno FM2721 Second station - Crew

Furuno 24/12v converter for FM2721

Waterproof extension speaker for VHF - Aft cockpit

Iridium phone system (complete with antenna, cable and data suite -mainly used to receive and send emails)

Discrete aerial

SSB Icom IC710RT 24v with ATU - Coms area

Giant Dynaplate

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Note: Backstay insulated for aerial R & R Pacific aerial
R & R GPSS mount base
Hammerhead tablet PC w/MacSea integration

Entertainment Systems

3 x JVC CD's/tuner KDS711R
3 x 12v Converters
3 x Pairs of internal speakers- Fwd cabin
1 x Pair external speakers - (aft cockpit link to crew stereo) - Stbd cabin
1 x Panasonic TXG10 23cm color multi system

Crew

12/24 v Operation (dims 281w x 272h x 309d mm)

1 Orion VP-R video cassette 12v

AC operation

Saloon:

- 1 x Sony STRDB870BL amplifier
- 1 x Sony MXD040 CD/MD Combination deck
- 1 x Sony NS300 DVD player
- 1 x JVC HROD 857 multi video
- 1 x Bose Accoustimass 6 speaker system
- 1 x sharp 20" LC20VM2E LCD widescreen monitor

Center cockpit:

- 1 x Pair Bose 131 external speakers
- 1 x Volume control panel for speaker system

Engine and Mechanical Equipment

Cummins 6C8 3M 6-cylinder naturally aspirated 160hp diesel engine (5,000 hours 7-7-2008)
5,000 hour service routine performed at 4,500 hours.

Twin disc MG-5050A gearbox with a 2.04:1 reduction.

Max Prop 3 blade feathering propeller.

Stainless steel shaft incorporating Aquadrive 20480 flexible coupling.

Morse cable engine controls in aft cockpit, together with engine instrumentation.

Dry type exhaust for both engine and generator.

Retractable swing Lewmar 300 20hp hydraulic bow thruster with PTO from the main engine
(and with load sensing pump)

Bilge: manifold with discharge via:

- Engine driven Jabsco pump
- Electric bronze centrifugal F.P. pump
- Manual Whale gushers 25 pump.

(3) Guest heads: super flush 2002 24v with freshwater flush

Crew heads: manual back-up

Sewage manifold with discharge via an AC pump with time delay switch (Spare DC pump for back-up)

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11/9/2011

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Page 5

Pressurized fresh water by twin 24v centrifugal pumps pressure vessel.
Galley tap supply via carbon filter, with back-up foot pump.
Sigma 180 litre stainless steel calorifier with 2.5kw heater and via engine heat exchanger.
Taco therm automatic tempering valve to blend hot and cold water prior to distribution.
Water maker: HRO model 1160-2, capable of 150/180 liters per hour.
Marine Air air conditioning and reverse - cycle heating throughout.
2 units in the saloon
1 in each cabin
1 in the crew area

Tankage

2 x Fuel tanks, holding in total 687 U.S. gallons (2,600 liters)
2 x Water tanks, holding in total 396 U.S. gallons (1,500 liters)
2 x Grey water tanks, holding in total 132 U.S. gallons (500 liters)
1 x Black water tank, holding 79 U.S. gallons (300 liters)
1 x Day fuel tank, holding 20 U.S. gallons (75 liters)

All tanks are of composite construction and are integral to the hull. They have been coated to prevent contamination and they all have inspection hatches. All tanks are positioned close to the centerline.

Steering

Whitlock Mamba torque tube steering
Twin stainless steel elk hide-covered wheels in aft cockpit with steering brake system
Twin custom-made composite pedestals, each with a 5-inch steering compass
Aluminum tiller arm and stock
Workbench in engine room with vice and tool stowage adjacent
Lazarette-good stowage plus stainless steel rails for ropes, etc
Ring main hydraulics with 4kw D.C motor pump and reservoir, using remote valve blocks
4 functions: primary winches, anchor windlass plus one spare

Construction

Engineering, materials and quality control from SP Technologies.
Hull, deck and superstructure in closed cell foam core epoxy composites with pre-impregnated laminates of glass and Kevlar, incorporating carbon fiber in load areas.
4 x Separate watertight zones.
Semi-balanced spade rudder with protective partial skeg.
Lightweight carbon fiber opening stern door/swim platform which is operated hydraulically with deck controls and remote control switch
Centre cockpit with pilotage area incorporating twin seats to port. Console to port for electronics.
Chart table to port. Large guest cockpit area seating 10 adults.
Aft cockpit-twin helms plus sail handling controls.
Teak laid decking on main deck, superstructure top and in both cockpits, to a thickness of 15mm.
Acoustic and thermal hull insulation.

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High performance lead impregnated rubber insulated engine room.
Awlgrip paint system above and below the waterline.
High quality 2 component paint and varnish to Ken Freivokh design and specification .
Engine room floor in anodised aluminium non-slip plate.
Lazarette with non-slip Treadmaster flooring.
High quality interior joinery work, in cherry and teak.

AGLAIA meets all relevant requirements of the Recreational Craft Directive and other associated directives. At the time of construction she was modified to comply with the current ABS requirements including:

- a) Longitudinal stringers port and starboard running the whole length of the hull
- b) A partial bulkhead forward of the main saloon
- c) A ring frame in the area of Station 3

Electrical System

Kohler 18kw Generator with sound shield (6,000 hours 7-7-2008)

All maintenance-free gel type batteries.

Service batteries: 1,580 amp/hr @ 24volt.

Engine batteries: 180 amp/hr @ 24 volt (2007)

Generator batteries: 180 amp/hr @ 12 volt (2007)

Victron inverter 24/3000 3kw.

B Ticino switches and sockets.

Extensive use of halogen lighting throughout.

Victron Ivet 13 KVA isolation transformer and 15 meters of Hubbel cable plus water proof plug and connection. This will take any current, any frequency from the dock connection and convert to boat needs.

It is possible to charge from either the generator or 220v shore power with:

3 x Victron 24-100 single phase 100 amp chargers (incorporating battery temperature sensors),
or

1 x 135 amp alternator driven from main engine

Sails and Rigging

Sail Locker



Hood aluminum 3 spreader mast and Hood Smart boom - spars Awlgrip painted in white.
Reckmann hydraulic genoa furler.
Reckmann line-furl staysail unit.
Navtec discontinuous rod rigging, bottle screws.
Additional inner headsail track on port and starboard for close hauled sailing with blade type jib
2 Antal pin-stop adjustable halyard tensioners
Riggarna plastic-covered Kevlar runners, with lightweight blocks
Navtec hydraulic mainsail outhaul vang and backstay adjusters, controlled from central panel in aft cockpit.
2 x Carbon spinnaker poles and associated

equipment - sheets, guys, halyards and blocks, (poles stored on the mast).

New sheets (2008) including:

Main

Jib

Staysail

Traveler

Reefing lines

Sails (all performance cut Hood)

Mainsail (2008):	122 sq.m (1,313 sq.ft)	D4 Incidence
Staysail (2008):	48 sq.m (516 sq.ft)	D4 Incidence
113% Yankee:	122 sq.m (1,313 sq.ft)	Vectran
135% Genoa (2008):	170 sq.m (1,830 sq.ft)	D4 Incidence
150% Genoa:	180 sq.m (1,938 sq.ft)	Dacron
92% Blade sail		Vectran

Winches

All winches are in stainless steel, and have recently been serviced.

2 Lewmar 88	3/SHST	3 speed	Primary	Hydraulic	self-tailing
2 Lewmar 77	3/CST	3 speed	Secondary & runners	Manual	self-tailing
1 Lewmar 66	CST	3 speed	Mainsheet	Hydraulic	self-tailing
1 Lewmar 62	CST		Traveller	Manual	self-tailing
2 Lewmar 66	CST	3 speed	Mast halyard main & reefing	Hydraulic	self-tailing
2 Lewmar 66	CST		Spi control	Manual	self-tailing

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Spares

AGLAIA comes equipped with a considerable stock of spares suitable for a world cruise.

Deck Fittings

9 x Opening Lewmar deck hatches
Large custom fore hatch to sail locker
2 x Extra opening Lewmar centre cockpit roof hatches
Tracks, blocks, travellers and cars from Lewmar Ocean range in anodized aluminum
Custom stainless steel pulpit and stern rail
Custom stainless steel extending centre cockpit roof grab rail forming cockpit canopy frame
8 x S/steel custom made mooring cleats
8 x Custom-made stainless steel fairleads (inc. 2 x doubles at stern)

Deck Equipment

Helm



Winches



Teak folding cockpit table with integral fridge
Swim ladder and forepeak ladder and side ladder
Berenzoni electrically operated 3 meter passarelle
Hot and cold water deck shower (in lazarette) at platform
1 x 66kg CQR anchor with 100m x 14mm galvanized chain
1 x 40kg Delta anchor with 100m x 20mm multi-plait rope + Fortress anchor
Lewmar 3500 hydraulic windlass, w/reverse facility plus up/down deck switches & remote control
Salt water anchor wash
8 x Fenders (tubular type approx 800 x 300 mm)
Dock lines - 24mm. 2x 25 m: 4 x 15m 1 Bauer compressor + 4 tanks and 3 sets of diving equipment
(2) Zodiac inflatable dinghies plus outboard engines, both 4 cylinder, 25hp Yamaha

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Safety Equipment

Swim platform



2 x 6-Man Autoflug ALK2000 life rafts (vacuum packed)
6 x 1kg Dry powder type fire extinguishers (in accommodation)
1 x 3kg CO2 type fire extinguisher in engine room
EPIRB
2 x JonBuoy
2 x Porthole storm shutters
Kahlenburg single trumpet foghorn with compressor and high volume accumulator

Drawings

A full set of construction and systems drawings are available and are kept aboard.

Remarks

Yard warranty was finished and approved January 2004 in New Zealand after a 4 month refit at Orams Yard in Auckland. Further improvements and cosmetic works were undertaken in Cape Town 2004 and back at her builders in the UK in 2005.

AGLAIA is the result of a large amount of R&D on the part of her very experienced owner, and collaboration between Rob Humphreys, Goss Challenges and Hamble Yacht Services. The aim was to construct a safe, fast, comfortable cruising yacht using the very best of modern technology. This aim has been achieved.

The safety and comfort features of a deep, high-backed center cockpit plus a helm cockpit, 3 steering stations, one protected with excellent visibility; a closing transom eliminating access when desired, a walk-in, stand up engine room, and electrically controlled stainless steel hatch bars were answers to the design brief. Comfort and flexibility were further established through the interior, one of the few yachts this size with 3 staterooms for owners and guests forward with an option to have crew aft in quarters which include a dinette area serving as crew mess. Constructed in glass composite, AGLAIA offers exactly what the original owner wanted "the comfort of a Jongert and the performance of Swan."

In September 2005 AGLAIA completed a voyage which had taken her from the UK to the Caribbean, then to Auckland, New Zealand via Panama and across the Pacific. From there she went to the Barrier Reef, Darwin, Cape Town South Africa, Horta and back to the UK. During all this time she has been superbly maintained and refitted as necessary. This yacht has been sailed many miles by her husband and wife owners alone (no crew) and is very easily handled. Yet when desired she can also accommodate 6 guests plus two crew in superb comfort.

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She is being offered in sparkling condition and combines the best of new technology with solid hand-crafted finishing. She is available for immediate delivery.

Exclusions

Owner's personal effects. Any items not specifically shown on this listing.

Disclaimer

Specifications and brochures are provided for information only and the details herein have been obtained from sources believed to be correct, but are not guaranteed. All speeds, capacities, consumption, etc. are approximate or estimated; measurements can also be approximate. A buyer should instruct his agent and/or surveyor to check all details for accuracy. Offered subject to prior sale, price and/or inventory change, or withdrawal from the market without notification."

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Master SR



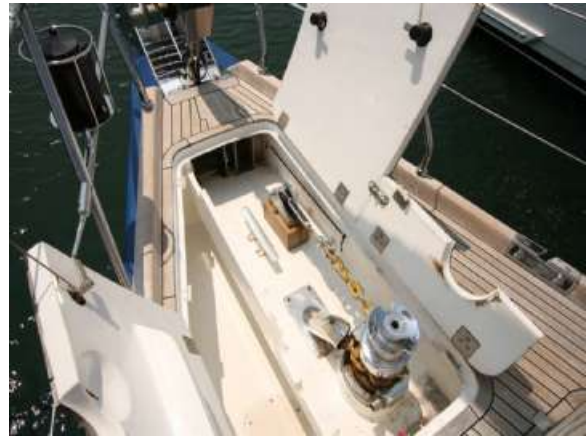
Double Guest SR



Twin Guest SR



Anchor Windlass



Garage



Garage



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Dining



Pilothouse



Pilothouse



Crew Dinette



Crew Cabin



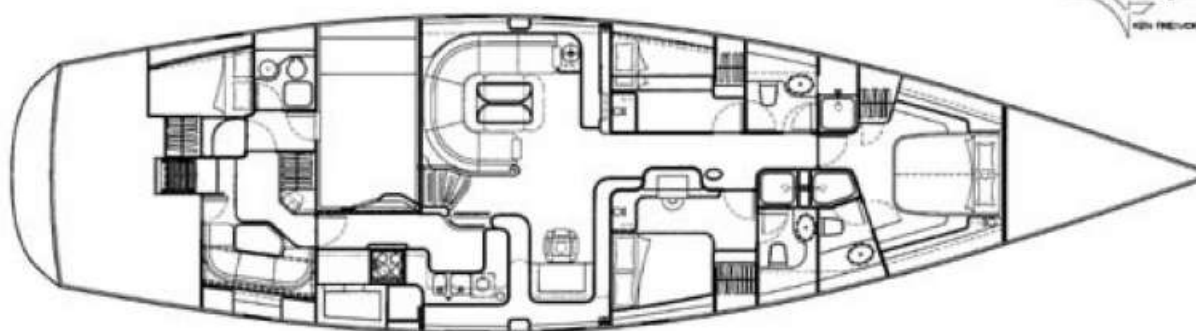
Guest cockpit



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Layout



PHOENIX 77
GENERAL ARRANGEMENT

FWT-1981 DATE-14/03/01 SCALE-1:50

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Page 14