



Royal Huisman 180'

General

| | |
|-----------------|------------------------------|
| Type | Flybridge Sailing Yacht |
| Naval architect | Philippe Briand Yacht Design |
| Interior design | Andrew Winch Designs |
| Builder | Royal Huisman Shipyard |

Principal dimensions (metric)

Hull

| | |
|---------------------------|------------------------------------|
| Length Over All (l.o.a.) | 57.08m / 187.20 ft |
| Length Waterline (l.w.l.) | 52.68m / 172.83 ft |
| Beam max. | 11.02m / 36.15 ft |
| Draft (max.) | 7.00m / 22.96 ft |
| Draft (min.) | 4.75m / 15.58 ft |
| Displacement @ DWL | 475 tons (heavy load / half tanks) |
| Motoring cruising speed | 12 knots (range 3500 Nm) |
| Motoring max. speed | 16.5 knots |

Rig dimensions

| Main rig dimensions | Mizzen rig dimensions |
|-----------------------|------------------------|
| I = 56.50m / 185.37ft | ly = 36.80m / 120.73ft |
| P = 51.77m / 169.85ft | Py = 40.50m / 132.87ft |
| E = 16.17m / 53.05ft | Ey = 12.60m / 41.34ft |
| J1 = 19.60m / 64.30ft | Jy = 10.55m / 34.61ft |
| J2 = 17.05m / 55.94ft | |

Sail area

| | |
|-----------------|--|
| Main sail | 517m ² / 5564.94ft ² |
| Gennaker | 755m ² / 8126.75ft ² |
| Blade | 480m ² / 5166.68ft ² |
| Jib | 211m ² / 2271.19ft ² |
| Mizzen | 315m ² / 3390.63ft ² |
| Mizzen staysail | 230m ² / 2475.70ft ² |

Classification

To be built according to MCA and Lloyd's 500 GT 100A1, SSC, Yacht, Mono, G6, LMC, UMS and SOLAS

Technical Information

Construction

"Alustar" Temper H321 (AA 5059-H321) aluminum for hull plating

"Alustar" Temper H112 (AA 5059-H112) for extrusions APM keel with integrated dagger board

Steering system

Hydraulically operated steering system Autopilot system, 2x outside steering stations on the flybridge, 1x inside steering station in the bridge area

Main engine

1x MTU 16V 2000 M70, 1410Hp @ 2100 rpm

Gearbox

ZF 3350, reduction 4:1

Propeller installation

Wärtsilä Propulsion: controllable pitch propeller diameter 1500 mm four blades with high skew

Generators

2x generator sets Northern Lights, 155 kW, 50 Hz

Thrusters

Retractable bow and stern thruster 150 HP / 110 kW

Tank capacities

Fuel ± 40.000l

Freshwater ± 13.000l

Grey/black water ± 3.500l

Watermaker

2x HEM 30/3200, capacity 12.000 liters / day

Hydraulic system

RHS manifold system for sail handling functions

Grey/black water system

1 x Hamann Mini Compact system capacity 8, 100 l/day

Fridge / freezer system

RHS custom-built fridge/freezer system with custom fridge/freezer boxes

HVAC

Climate control system based on fancoils and fresh air units, 192 kW / 655000 BTU

Electrical system

230/400 VAC - 50Hz parallel, 3 phase electrical system. Power Management System, 1x service battery bank, 2x starting battery banks, 1x navigation battery bank, 1x Shore Converter 120 kW

Navigation

Integrated Navigation System | B&G H3000
Radar/sea charts and tender tracking | Nobeltec Admiral
GPS/AIS | MX-Marine
Gyro compass | C. Plath fibre optic
Navtex receiver | Furuno NX-700A

Communication

VHF | Thrane & Thrane RT5022
Telephone system | Panasonic DECT
Inmarsat-C | Thrane & Thrane TT-3020C
Iridium | Thrane & Thrane SC4000
VSAT system | SeaTel 4006

Entertainment

Integrated entertainment system, computer based software and hardware

Automation/Computer system

Based on Schneider Electric PLC's, placed in a network with on top of this network a PC based Alarm and monitoring system. On the Alarm and



monitoring system the complete ship's automation can be monitored and controlled

Software

RHS/Citect Alarm and Monitoring system (A&M)
Microsoft Windows platform

Interior styling

Modern interior joinery style as per interior designer specifications.

Insulation

Rockwool/glass wool class approved insulation package

Deck hardware

Custom by Rondal

Hatches

Custom by Rondal

Winches

Rondal hydraulic captive and drum winches

Captive:

Main mast runners (2), Main mast runners foreguy (2), Mainsail halyard (1), pinnaker/gennaker/blade/jib halyard (1), Main sheet (2), Blade sheet (2), Mizzen sheet (1)

Drum:

Mizzen halyard (1), Mizzen staysail halyard (1), Gennaker / Spinnaker sheet (2), Main mast halyard/all purpose (2), Mizzen mast halyard/all purpose (2)

Anchor system

2x Steen hydraulic anchor winch fwd
1x CQR bow anchor, permanently stowed on rotating arm, concealed below deck
1x integrated submarine system
1x Fortress FX125 stern anchor

Passarelle/side gangway

Custom Yacht Equipment

Tenders

2x Castoldi Jet Tender 21' rigid inflatable boat.
Tenderlift white pole on mast

Safety equipment

2x Zodiac 16 persons life rafts (Solus)
Man overboard modules
Seawater fire extinguishing system
Local fire extinguishers

Paint system

Akzo Nobel Coatings / Sikkens Yachtpaints system

Spars

Rondal carbon fiber main & mizzen masts and booms

Standing rigging

Carbon/PBO rigging

Running rigging

Gleistein or equivalent Dyneema and Vectran ropes

Rigging hydraulics

Rondal cylinders
Rondal hydraulic furlers for gennaker, jib and blade

Sails

Owner's delivery