

Meteor

General

Yard no.	382
Type	Schooner rigged sailing yacht
Naval Architects	Gerard Dijkstra & Partners John G. Alden Design
Exterior Styling	Gerard Dijkstra & Partners
Interior Design	John Munford Design
Project Management	Capt. Dean Maggio
Builder	Royal Huisman Shipyard
Delivery	May 2007

Principal dimensions (metric)

Hull

Length over all (l.o.a.) incl. bowsprit	51.59m / 169.26ft
Length over all (l.o.a.)	47.67m / 156.40ft
Length over deck (l.o.d.)	45.67m / 149.84ft
Length waterline (l.c.w.l.)	35.81m / 117.49ft
Beam max.	9.24m / 30.31ft
Draft incl. keel	4.30m / 14.11ft
Depth	4.45m / 14.60ft
Displacement	298.3 tons / 657.628 lbs
Gross tonnage	246 tons / 542.337 lbs
Hull speed	14.6 knots

Spar dimensions

Fore mast	
I = 42.15m / 138.29ft	
P = 23.35m / 76.61ft	
E = 10.89m / 35.73ft	
J = 17.81m / 58.43ft	
J1 = 13.00m / 42.65ft	
J2 = 9.13m / 29.95ft	
SPL = 12.00m / 39.37ft	

Mizzen mast dimensions	
L = 50.05m / 164.21ft	
P = 46.29m / 151.87ft	
E = 16.74m / 54.92ft	

Sail area

Main sail	411m ²
Fore sail	266m ²
Outerjib	190m ²
Innerjib	128m ²
Stay sail	797m ²
Top sail	70m ²

Classification

Hull, deck and superstructure will be certified according to the Lloyd's Rules for Special Service Craft (SSC)
 ✱ 100A1, SSC, YACHT, MONO, G6

Technical Information

Construction

"Alustar" Temper H321 (AA 5059-H321) aluminum for sheets and "Alustar" Temper H112 (AA5059-H112) for extrusions

Steering system

Hydraulically operated steering system with rudder motor. Hand mechanical system operated by steering cables

Main engine

1x main engine MTU 12V2000 M60
600 kW (805 hp) @ 1800 rpm

Gear box

ZF 2500, Reduction 2.75:1

Propeller installation

Wärtsilä propulsion, 4CLF40AH, diam. 1200 mm, four blades with high skew

Generators

2x Caterpillar, type C4.4 DI-TA
1x Caterpillar, type C4.4 DI-NA
All in sound enclosures

Bow thruster

Holland Roer Propeller, HRP 200-60 TT Alu, 100 kW

Tank capacities

Fuel	22,311 ltr
Day tank	525 ltr
Fresh water	9,725 ltr
Black/grey	3,085 ltr
Lube oil	290 ltr
Sludge oil	290 ltr

Watermaker

2x HEM 30/3200 modular, 12.000 liters/day (each)

Powerpacks

Bosch Rexroth (9x), type A10 VSO 45,
9 kW @ 1500 rpm

Black water system

1x Hamann Mini Compact system

Fridge / freezer system

4x Standard freezers
8x Standard refrigerators

Air conditioning & heating system

3x Chiller units, Barco type CWS 2463 S OC
1x Electrical heater, Stiebel Eltron type DHKW 45
34x Fan coils, Frigoboat model EV / FC

Electrical system

230/400 VAC - 50Hz 3 phase system
split busbar operation
Power Management System
1x service battery bank (1500 Ah)
3x starting battery banks
1x navigation battery bank

Navigation equipment

Navigation system | B&G Hydra 2000
Radar / chart | Nobeltec
GPS | Northstar 6000 i
AIS | Furuno FA150
Gyro compass | C-Plath Navigat-X MK2
Navtex receiver | Furuno NX-700

Communication equipment

VHF | Icom M503 en M401
1x VSat | Seatel 4006
Iridium transceiver | Sailor SC4000
Telephone exchange | Panasonic
Mobile phones GSM | Ericsson F251M

Entertainment

Integrated entertainment, based on Microsoft Media center



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 Alarm and Monitoring system (A&M)

RHS Yacht Administration System (YAS)

Microsoft Windows platform

Microsoft Media center

Interior styling

Classic interior joinery in "Swietenia" mahogany

Deckhouse in classic raised teak panels

Interior as per design of John Munford

Insulation

IMO approved insulation package

Deck hardware

Custom by Rondal

Hatches

Custom by Rondal

Winches

9x Rondal reel winch

22x Rondal cleat winch

Anchor system

2x Steen 23-09 vertical anchor winches

2x 600 lbs CQR bow anchors permanently stowed on the bowsprit

Passarelle

Semi automatic carbon passarelle (Multiplex)

Side gangway

Manually operated side gangway (Akerboom)

Tenders

2x Castoldi Jet Tender 18

Safety equipment

2x 8 people life rafts (Winslow)

2x Man Overboard Modules with remote control

Fire equipment

Seawater fire fighting systems

Portable fire extinguishers

Paint system

Akzo Nobel Coatings / Sikkens Yachtpaints paint system / Awlgrip

Spars

Rondal carbon fiber fore and main mast

Rondal carbon fiber fore and main boom

Rondal carbon fiber gaff

Rondal carbon fiber jib boom

Rondal stainless steel bowsprit

Standing rigging

Southern Spars Carbon fiber rigging and Kevlar

Running rigging

Custom by Rondal with Gleistein ropes

Rigging hydraulics

Rondal rigging cylinders and furlers

Sails

Owner supplied

Sail trials and delivery

May 2007