

## Specification Sheet M/Y ATOMIC



VSY003

LENGTH:	63.80mtr / 209ft
BEAM:	11.60mtr / 38ft
DRAFT:	3.14mtr / 10.3ft
BUILD YEAR:	2019
REFIT YEARS:	N/A
BUILDER:	VSY. Viareggio Super Yachts
NAVAL ARCHITECT:	VSY & Laurent Giles
EXTERIOR DESIGNER:	Espen Oeino
INTERIOR DESIGNER:	Darnet design
LIGHT SHIP DISPLACEMENT:	780
GT:	1101
HULL:	Steel
SUPERSTRUCTURE:	Aluminum
FLAG:	Cayman Island
CLASSIFICATION:	ABS MCA LY2
MCA COMPLIANT:	Yes
MAIN ENGINES:	Caterpillar
FUEL:	133m3
WATER:	38m3
CRUISING SPEED:	12knt
MAXIMUM SPEED:	17knt
STATEROOMS:	2 main deck 1 upper deck forward
GUEST BERTHS:	6/8 lower deck, 4 main deck, 2 upper deck
CREW CABINS/BERTHS:	8/ 15 lower deck 1/ 2 upper deck

MACHINERYMain Engines

Engine Make/Model:	2* CAT 3516B-HD DITA SCAC - 2680 Hp @1600 rpm
Running Hours:	+/- 50 hrs
Gearboxes:	ZF W7646 3,625:1

Consumption

	Speed	Consumption/hr	Range	RPM
Maximum:	17,5	425 ltr	2800nm +10%	1625
Cruising:	13,5	200 ltr	5200nm +10%	1200

Generators & Electricity

Output:	4* 200eKw 1* 86eKw
Generators:	4* Caterpillar C9, 1* caterpillar C4.4
Running Hours:	4* +/-100 hr 1* 5 hr
Generator Fuel Consumption:	50% load 27.5 lt/hr 100% load 49,4 lt/hr
Shore Power:	ASEA, static frequency converter, characteristics: Input power: 3 Phase, 330 - 520 VAC, 40 - 70Hz Auto-Restart, Single or Dual Shore Cords Output power: 3 Phase, 230/400 V (TN-S), 50Hz 250 kVA/ 212,5 kW

Batteries

Main Batteries:	<p>24 VDC battery banks:</p> <p>Bank 1, Bank 2 (engine room) Starting supply to main engine electrics. Charged by M.E. alternator and 50-amp Mastervolt battery charger.</p> <p>Bank 3a, 3b, 3c, 3d Starting supply to generators 1, 2, 3 &amp; 4. Charged by gen set alternators and 25-amp Mastervolt battery chargers.</p> <p>Bank 4 emergency generator room Twin starting bank for emergency generator. Charged by gen set, Mastervolt battery chargers.</p> <p>Bank 5 (upper deck) Bank 6 (sun deck) alternator and 15-amp Mastervolt battery charger. 24 VDC bank. Charged by two Mastervolt battery charger 50 amp each. 230 VAC UPS bank. Charged by UPS-battery charger.</p>
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HVAC System:

Type:	VSY Operation design under the following conditions. External: Summer air max + 35 °C rel. humidity 90%
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	Winter air      min - 5 °C rel. humidity 90% Sea water        max + 32 °C Sea water        min + 5 °C  Internal: Summer air      min + 22 °C rel. humidity 50% Winter air        max + 22 °C rel. humidity 45%
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Other Machinery

Water makers:	Neptune 2* osmosis 2* 20.000ltr/d
Stabilizers:	Naiad VT820 2* 5.0sqm 0-speed
Bow Thruster:	Voith VIT 850. 200Kw
Steering Gear:	2* 2 Tenfjord (Rolls Royce) 2.3sqm
Stern Thruster:	Schottel ABB Electric pump jet 360dgrs. 240Kw
Fuel Separator:	CJC 900ltr/hr
Sewage System:	Head-hunter, USA
Fresh Water System:	4*boilers 300ltr
Bilge Water Filtration:	As per ABS rules
Lube Oil Capacity:	4500ltr
Waste Oil Capacity:	5000ltr

COMMUNICATION SYSTEMS

SAT com:	1 x VSAT (SEATEL 4009) 1 x TV SAT (SEATEL 4004) 1 x fleet broadband 1 x communication manager 1 x harbor WI-FI hotspot
Telephone System:	IP-based telephone system. System consists of fixed phones connected to wired local area network and wireless phone using the WI-FI local area network. 2x GSM/UMTS lines 2 x VSAT lines 1 x shoreline 1 x INMARSAT fleet broadband
MF/HF:	Sailor 6081
VHF:	3* VHF DCS Sailor 6222
Cellular Phone System:	2 x 4G / LTE data gateway 2 x GSM voice gateway
Intercom:	Master station in wheelhouse Substation headphone type in rudder rooms Substation headphone type in engine room Substation in electric panels & monitoring room Substations portable type in both bow and aft maneuvering areas Substation in crew mess

NAVIGATION SYSTEMS

Kongsberg Navigation System:	K-ECDIS multifunctional station K-RADAR X-band multifunctional station K-RADAR S-band multifunctional station K-CONNING station K-BRIDGE autopilot (integrated in K-ECDIS/ RADAR operator stations)
Kongsberg Dynamic Positioning System:	K- Dynamic Positioning station
Gyrocompass:	2* single gyro system NAVIGAT X MK1
Magnetic Compass:	1* JUPITER with fluxgate
Depth Sounder:	1* SKIPPER system with two transducers: one forward and one aft
GPS:	2 x DGPS SAILOR navigator
Various:	A4 GMDSS radio station AIS, BWNAS, ER Deadman, wind station, weather fax, M.E/ thrusters/ D.P remote controls on wing control panels

A&V - IT SYSTEMS

All Suites	Wi-Fi, Sat tv, phones with ext. lines
Mini iPad System	Control of blinds/ lights/ A&V/ Climate Control
	Flat screens
	apple tv, music & movies, streaming
	Bluetooth audio streaming
	2* GSM lines 2* VSAT lines 2* shoreline (phone & Internet) 1* INMARSAT fleet broadband (with telephone & fax line)

GALLEY & LAUNDRY EQUIPMENT - Please provide make and modelCrew Mess Equipment

Cooking Equipment:	none
Refrigeration/Freezer:	Commercial unit 125ltr

Galley Equipment

Cooking Equipment:	Gaggenau Induction CX480, Gaggenau Combi Microwave BM450 Gaggenau Oven EB333 Gaggenau Grill VR414 MKN Combi Steamer
Refrigeration/Freezer:	2* Custom build-in 250ltr 1* commercial wine fridge 350Ltr

Laundry Equipment:

Main Laundry Equipment	4 x washer machines MIELE PW6065, 6.5 kg 4 x dryer machines MIELE PT7137 WP ED, 6.5 kg 1 x ironing machine MIELE HM 21-100 2 x ironing boards
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TENDERS & TOYS - Please provide make and model

Tenders:	1 williams Dieseljet 625, 8 pers.
Dive Gear:	TBC, 2* Nitrox compressors
Recreation:	TBC
Exercise Equipment:	Variety off equipment, Technopool
Other:	none

DECK EQUIPMENT - Please provide make and model

Anchor Windlass:	2 x stainless steel vertical windlasses OFFICINE NANNI. driven by two 11 kW, 400 V max. pull of 8450 kg, max speed of 14 m/min
Aft Warping Capstans:	2 x stainless steel reversible capstans OFFICINE NANNI, stainless steel drums, driven by a 7.5 kW, 400 V, max pull of 5000 kg
Anchors:	2 x anchors approx. 765 kg type HHP made in galvanized steel, high holding power, flush in the anchor pocket with polished stainless-steel back in order to maintain the shell plating geometry
Anchor Chain:	2 x 195.5 (7 lengths each) m. 24 mm U3
Boat Crane and Davits:	SB garage 2* electro hydraulic cranes MOTOMAR to operate the tender, jet-ski and toys. Bow 1* electrohydraulic crane MOTOMAR to operate the SOLAS rescue RIB tender.
Passerelle:	1x MOTOMAR electro-hydraulic folding / sliding and telescopic gangway in stainless steel, starboard aft main deck, main characteristics: Width 1.00mtr Max. length 8.00mtr Max. 200kg
Swimming Platform:	Fixed swim platform, removable titanium ladders Dive-center beach platform

SECURITY, FIRE FIGHTING & SAFETY EQUIPMENTSecurity Equipment:

CCTV System:	Panasonic IP system based
Cameras:	10* fixed, 2* PTZ (radar mast), 1* PTZ (ER)
Monitors:	Various, integration/ display guest areas

Fire Fighting Equipment:

Fire Control System:	Autronica- Ultra-Fog all areas
Fire Extinguishers:	As per ABS rules

Safety Equipment

Life Rafts:	4* Zodiac 20 pers, 1* 16 pers
Life Rings:	2* MOB, 2 MOB+line, 2 MOB+marker
EPIRBS:	1* Tron 40GPS MkII
Sart:	2* Tron SART20
Flares:	As per C.I regulations
Medical Equipment:	MCA compliance

Operations Management / Crew

TBC

Documentation available

- Classification yes,
- Flag State (CoR) 23-08-2019
- SMS yes
- ISPS yes
- PMS yes, IDEA
- ISM yes
- Marpol yes
- On-boarding procedure yes
- Incident Reporting yes
- MLC compliance yes

Spare parts available

As per ABS rules. TBC

Owner's supplies

TBC

NOTES & COMMENTS

## Exterior

## Main deck:

Aft bathing platform with teak deck, on the sides and removable stainless-steel shower.

Dive-center with beach platform.

Teak staircase to main deck cockpit

Aft cockpit with loose furniture (Owner supply)

Sun awning

## Upper deck:

Aft upper deck furnished with loose furniture (Owner supply)

Stairs from main deck

Aft built-in seating on both sides

Sun awning

## Sun deck:

Aft Area

U shaped bar, 9 x bar stools (Owner supply)

General Owner's furniture (Owner supply)

Electrical barbecue

Pool

Side pool sun beds cushions (Owner supply)

Sunbrellas

## Forward Area

Gas fire pit with structural round seats with cushions

Sofa cushions for fire pit structural seats (Owner supply)

Sun beds cushions (Owner supply)

Sunbrellas

## Interior:

## Lower deck:

Diving center (port side)  
Tender garage (starboard side)  
Lobby with access to cabins, lift and stairwell  
Central stairwell  
Panoramic glass lift  
1 x kids cabin (4 x bunk bed) with bathroom  
2 x double-bed guest cabin with bathroom

## Main deck:

2 x VIP suite with bathroom (port & starboard side)  
Owner study (starboard side)  
Owner stair to access Owner suite  
Owner bathroom  
Owner dressing  
Owner suite  
Owner balconies (port & starboard side)

## Upper deck:

Upper living-room full beam aft sliding doors  
Upper pantry with access to external port side corridor  
Day head  
Lobby and access to panoramic lift  
Panoramic glass lift  
Central staircase  
Gymnasium  
Wheelhouse

## Sun deck:

Kids Playroom  
Pantry  
Day head with window  
External staircase to upper deck (teak steps) on the port side  
External staircase to upper deck with window on starboard