

SHADOW

181ft Sin Damen 2017

MAIN SPECIFICATIONS

Length Overall:	55.3m (181'5")
Length at Waterline:	55.3 m (181'5")
Beam:	9.25m (30'5")
Draft:	3.30m (10'10")
Year Completed:	2017
Model Year:	2017
Refit:	2023
Type:	Yacht Support Vessel
Tonnage:	489 GT / 146 NT
Displacement:	346 Tonnes
Hull Config:	Displacement with Axe Bow
Guests:	6
Crew:	11

CONSTRUCTION

Builder:	Damen
Naval Architect:	Damen Yachting
Exterior & Interior Design/Stylist:	Damen Yachting
Hull Material:	Steel
Superstructure:	Aluminum
Deck Material:	Bolidt
Classification:	Bureau Veritas

SPEED

Maximum:	21 kts
Cruising:	14.5Kts
Economical:	10 kts
Range:	5,000NM
Consumption @ Cruising:	466 lph (123 gph) @1200 RPM @ 14.5kn.

CAPACITIES

Fuel:	168,099 L / 44,407 US Gallons
Water:	28,996 L / 7,660 US Gallons
Technical Fresh Water:	31000 L / 8,179 US Gallons
Black Water:	30000 L / 7,925 US Gallons
Lube Oil Capacity:	Engine Oil – 1,048 L / 277 US Gallons Hydraulic Oil – 247L / 65 US Gallons Gear Oil – 247 L / 65 US Gallons
Waste Oil Capacity:	1360 L / 360 US Gallons
Bilge Water Tank:	1360 L / 360 US Gallons
Fueling Station:	2980 L / 787 US Gallons

CLASSIFICATION & CERTIFICATIONS

Flag:	Jamacia
Classification:	Bureau Veritas

SHADOW

181ft Sin Damen 2017

MACHINERY

MAIN ENGINES

Engine Type:	4 x Cat 3512c main engines 1118kW@1800rpm
Horsepower:	6000 HP
Engine Serial Numbers:	PXC 00221/PXC 00222/PXC 00223/PXC 00224
Main Engine Hours (Port):	5610, 5778
Main Engine Hours (Stbd):	5713, 5794

GENERATORS & ELECTRICITY

Output:	300kW
Generators:	3 x Cat C4.4 Generators 100kW
Generator Fuel Consumption:	20 l/H
Port Generator Hours:	11,431
Center Generator Hours:	10,272
Starboard Generator Hours:	9326
Shore power:	Eekels/Marpower SPC 415/0150EW Shore power convertor 150 kVA (2 shore leads)
Generator Starting:	Electric

BATTERIES

Service/House Batteries:	24VDC/230Ah
Generator Starting:	24VDC/160Ah
Main Engine Starting:	24VDC/240Ah
Emergency/GMDSS:	24VDC/200Ah

PROPULSION & STEERING

Drive:	4 Prop shaft & 5 Blade Fixed Pitch Prop
Gearboxes for Main Engines:	Reintjies - ZWVS 730/1 (K21A)
Stabilizer:	2 x Quantum QC-2200 HD Zero Speed
Stabilizer Underway:	YES
Stabilizer at Anchor:	YES
Steering System:	Sperry Marine – Model: 190481-0100D

OTHER MACHINERY

Water Makers:	Water makers Inc. Model WMSQ-7500 28,390L
Water Softeners:	Portable Wet Spot Water Softener
Bow Thruster:	2x Veth 85kW – Model VT80-e
Fuel Separator and Filtration:	Westfalia – Model: OTC 3-02-137
Sewage System:	Hamann HL-Cont PLUS 025
Fresh Water System:	JOWA Silver Sterilizer -Model J30005-00010 / 3 Daalderop , Hot Water Calorifier 5.2Kw / Wyckomar Inc UV Purification / 2 Water Pump and Accumulator

SHADOW

181ft Sin Damen 2017

Oily Water Separator:	Facet International Bilge Water Separator – Model CPS- 2,5B MK III + EBM14X1 + BilgMon488
Air Compressor:	Powerex Air Compressor – Model -SBS10B7S0022401
Dive Compressor:	Bauer - JR11-E3Y/208
Nitrox Dive System:	Nitrox Solutions Inc – NS -750 - WC
Air Conditioning:	Heinen and Hopman – HVAC Plant 2 Dorin Compressors, condensers, evaporators- Model 2x H2500CC with 120Kw cooling capacity, 1 Fresh Air Make up Unit – Salor – 2000m3/hour & 41Kw cooling capacity

COMMUNICATION AND NAVIGATIONAL EQUIPMENT

PILOTHOUSE

SAT COM:	Cobham Sat Phone.
Telephone System:	Spectralink.
VHF:	2 x Sailor 6222 GMDSS
Intercom:	Alphacall
Navtex:	JRC NCR 333 Navtex receiver and printer.
Inmarsat C:	2 X Sailor 6006 Message Terminal

NAVIGATION SYSTEMS

Radar:	2 X JRC X Band.
Gyrocompass:	Anschutz Digital Gyro Standard 22NX
Magnetic Compass:	Cassens and Plath Magnetic compass.
Auto Pilot:	Alphasea Pilot MFC
GPS:	JRC NWZ 4610 GPS
Ships Computer:	Lenovo Ultrabook.
Electronic Charts:	Transas and Time Zero
Wind/Speed Log:	Airmar

ENTERTAINMENT SYSTEMS

VSAT1:	Intellian v80G
VSAT2:	Intellian v80G
Starlink:	Marine and RV

GALLEY & LAUNDRY EQUIPMENT

MAIN GALLEY EQUIPMENT

Cooktop Main Galley:	Siemens Induction Cooktop – Model: HM1V0IE
Oven:	Wolf 24" E series Oven -Model: SO24TE/S/TH
Microwave:	Panasonic - Model 1037
Walk In Refrigerator/ Freezer:	Heinen and Hopman- L'Unite Hermetique/Tecumseh Cool Room / Fridge - 0.8Kw Cooling Capacity Freezer - 1Kw Cooling Capacity
Galley Refrigerator:	Liebherr

SHADOW

181ft Sin Damen 2017

Galley Freezer:	Liebherr
Dishwasher:	Electrolux - Model: 502316 (WT30H240DU)
CREW GALLEY/ MESS	
Fridge:	Liebherr
Dishwasher:	Miele Professional offshore.

LAUNDRY

Washing Machines:	2 X Miele Professional 6065
Dryers:	2 X Miele Professional PT7135C Vario

DECK EQUIPMENT

Dynamic Positioning	Alphatron Dynamic Positioning.
Anchor Windlass:	Kemp Windlass
Aft Warping Capstans:	MCE 10Kn (10.6KN Pull, 35KN break)
Anchors:	1 X 320 KG Bruce twin Shank.
Anchor Chain:	6 x 27.5 m , 20.5 mm dia Galvanised chain.
Boat Crane and Davits:	Heila HLRM 140-6S knuckle boom crane 12 tons @ 5m / 6 tons @ 11.5m
Fueling System:	2980 Ltr /787 US Gallon Petrol fueling station
Passarelle:	Type A30 deg Shala gangway 6mtr, 4 mtr.
Helicopter Deck:	Max take-off weight 3.7 tons

FIRE FIGHTING AND SAFETY EQUIPMENT

FIRE FIGHTING EQUIPMENT

Fire Control System:	Kidde Fire Protection Novec.
Fire Extinguishers:	See Fireplan
Alarms:	Praxis Monitoring Panel

SAFETY EQUIPMENT

Life Rafts:	3 X Surviva MKIV 25 Persons
Life Rings:	2x Light and smoke, 2 x Light.
EPIRBS:	1 X McMurdo Smartfind 406 G8+AIS.
Flares:	As Required.
Medical Equipment:	Full MSOS Ocean going Kit.

ACCOMMODATION AND LAYOUT

Guest cabins:	3x sleeping 6 guests total
Crew Cabins:	5x including Captain sleeping 11

DISCLAIMER

The Company offers the details of this vessel in good faith but cannot guarantee or warrant the accuracy of this information nor warrant the condition of the vessel. A buyer should instruct his agents, or his surveyors, to investigate such details as the buyer desires validated. This vessel is offered subject

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181ft Sin Damen 2017

to prior sale, price change, or withdrawal without notice.