



STEALTH 520 shuttle

Standard Specification



SPECIFICATIONS:

Designer:	STEALTH yachts and Prof. G Hoppe	
Overall Length:	15.5m	52ft
Waterline Length:	13m	42ft
Beam:	5.5m	18ft
Draft: Maximum Load	1.2m	3.9ft
Displacement:	16 650kg	36 700lbs
Lightship		
Displacement:	22 380kg	49 340lbs
Maximum Load		
Water Capacity:	430 liters	113 USG
Fuel Capacity:	1 750 Liters	460 USG
Engines:	MAN R-6 800HP x 2	
Propulsion:	Integrated Surface Piercing Propulsion System	
Maximum Speed:	44 Knots (Lightship, Calm Sea and Wind Conditions)	
Range at 37 Knots:	370 Nautical Miles (Lightship, Calm Sea and Wind Conditions)	
Cruising Speed:	35 Knots	
Layout:	Various seating configurations – maximum 48 pax	

HULL DECK AND BULKHEADS

- Antifouling over epoxy based osmosis barrier
- Closed cell PVC foam core, vacuum bonded for stiffness, strength and minimal weight
- Midship and aft hydrofoils, HYSUCAT
- Forward water tight compartments
- Hand laid-up GRP construction using multi layers of Quadraxial glass roving, vinylester resin and other highest-grade material.
- Marine ply and foam core on critical structure bulkheads for added strength and stiffness

DECK FITTINGS:

STAINLESS STEEL, Grade 316

• Coachroof instrument stand	1
• Rub rail wrap around	1
• Side deck grab rails	2
• Transom boarding ladder	1
• Transom grab rail including flagstaff socket	1

DECK EQUIPMENT

• Electric Windlass:	1
• Stainless Steel side deck mooring cleats:	6
• Stainless Steel foredeck and transom mooring cleats	4
• Stainless Steel rub rail mooring cleats	4
• Windscreen wiper with fresh ware wash	1

PLUMBING:

• Bilge pumps:	
Automatic electric	4
Manual	2
• Black water system:	
120 liter (32 USG) holding tank	1
Deck evacuation	1
Hull evacuation	1
• Fresh water system:	
25 liter (6.6 USG) water heater	1
Automatic water pressure pump	1
• Other:	
Automatic grey water sump system	1
Deck and locker drainage throughout	

HATCHES, DOORS AND WINDOWS:

• GRP locker lids, hinged and stayed:	
Anchor locker hatch	1
Cockpit engine access hatches	4
Lockable foredeck hatches	2
• Other Hatches:	
LEWMAR fixed portlights:	6
• Glazing:	
Tinted, laminated or toughened, glass windows all round	
• Doors:	
OPACMARE main companionway sliding door	1

HELM STATION:

• HyDrive electronic steering with steering wheel	1
• BOSCH Mini Marex digital controls	1
• Co-pilot seat	2
• Electrical management console	1
• MAN digital instrumentation panels	2
• OPACMARE leather adjustable helm seat	1
• RAYMARINE speed and depth instruments	1
• Magnetic binnacle compass	1
• VHF radio	1
• Visual and audible bilge alarms	1
• Windscreen wiper and horn actuator	1
• 230V or 120V electrical sockets	2

COCKPIT:

• Engine room air vents with covers	2
• Integrated rope lockers	2
• Transom boarding doors	2
• Lighting:	
Floodlights	2
Courtesy lights	2
LED down lights	2

SAFETY:

• Integrated life raft lockers	2
• Stainless steel drink holders/grab rails	4



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ACCOMMODATION:

MAIN SALON

- Flooring:
MANNINGTON industrial
- General:
110V or 230V electrical sockets 4
12V electrical sockets 2
ALCANTARA ceiling panels 5
CORIAN fiddles 2
GRP molded finish to modules
Overhead luggage compartments 8
Waste bin 2
- Lighting
Courtesy lights 4
Halogen down lights 14
LED overhead lighting string 1
- Safety:
Portable fire extinguisher 1
Stainless steel ceiling grab rails 4
Stainless steel drink holders/grab rails 4
Stainless steel grab rails other 6
Stainless steel upright grab rails 4
- Seating:
Various configuration options

GALLEY:

- Equipment:
Convection Microwave oven 1
Drawer refrigerator 1
Stainless steel sink 1
- Flooring:
White GRP with non slip pattern
- General:
110V or 230V electrical sockets 2
HIMACS work surfaces
Lockers and stowage compartments 3
Carbon water filter 1
Pressurized hot and cold water
- Lighting:
Incandescent down lights 2

FORWARD STORAGE:

- Flooring:
Industrial rubber
- General:
Access to electrical equipment locker
Lockable access to hatch from foredeck
Cargo compartments
- Lighting:
Incandescent down lights 4
Courtesy lights 3

HEAD COMPARTMENT:

- Equipment:
Integrated basin 1
TECHMA electric fresh water toilet 1
Vanity locker with mirror 1
- Flooring:
White GRP with non slip pattern

- General:
110V or 230V electrical sockets 2
HIMACS work surfaces
Extractor fan 1
Portlight vanity shade 1
Pressurized hot and cold water
Stainless Steel towel rail
- Lighting:
Incandescent down lights 2
Vanity light

ELECTRICAL:

- Alternating Current 230V or 120V:
Shore power system 1
Shore power deck fitting 1
Battery charger/inverter 5Kw/70A 1
Battery isolator switches 2
- Direct current:
Engine start batteries 12V/150Ahr 2
House batteries 12V/200Ahr 4
House battery alternator 24V/60A 2
Navigation lights
- General:
Outlets 110V or 230V as listed in all areas
Lighting as listed in all areas
Start battery crossover connector

ENGINE AND DRIVELINE EQUIPMENT:

- Engines:
MAN R-6 - 800 Hp Engine 2
ZF 360 heavy duty gearbox 2
- HyDrive hydraulic power steering system 1
- Driveline:
Integrated surface piercing propulsion system 2
VEEM 6 bladed surface piercing propeller 2
- Engine room equipment:
230V or 120V outlets 2
Automatic fire extinguishers 2
Fluorescent lights 4
High pressure fuel supply and filtration system 2
High volume engine room ventilation fans 2
Sound insulation throughout

MOORING GEAR AND GROUND TACKLE:

- Anchor roller 1
• DELTA anchor 25Kg 1
• Fenders 6
• Hi-test galvanized chain 50M 1
• Mooring warp 10m 4
• Mooring warp 15m 2

SAFETY EQUIPMENT:

- Basic life jackets 6
• First aid kit level 1 1
• Flare set 4 piece 1
• Propeller puller 1
• Spares set level 1 1
• Tool kit level 1 1

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