



SHORT SPECIFICATION

FOR A

**HEESEN YACHTS
4000 SEMI DISPLACEMENT
FULL ALUMINIUM MOTORYACHT**

PROJECT: #15640



**BUILT BY: HEESEN YACHT BUILDERS B.V.
 OSS, THE NETHERLANDS**



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SPECIFICATION

Hull type:	Twin propeller motor yacht hard chine semi displacement
Naval Architect:	Heesen Yachts
Exterior Designer:	Heesen Yachts / Omega Architects
Interior Designer:	Omega Architects
Classification:	ABS X A1 Yachting Service X AMS Optional: Large commercial yacht code LY2
Material of Hull:	Aluminium
Material of Superstructure:	Aluminium

DIMENSIONS

Length over all:	40,00 meter	131'3"
Beam over all:	8,00 meter	26'3"
Draft extreme (50% load):	2,25 meter	7'5"
Displacement (50% load):	185 tons	330.700 lbs

TECHNICAL DETAILS

Maximum speed (50% load):	28,0 knots	
Maximum speed (light) approx:	30,0 knots	
Range at 12 knots:	2.000 Nm	
Fuel capacity:	36,0 m ³	9.510 US Gallon
Fresh water:	8,0 m ³	2.100 US Gallon



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PROPULSION SYSTEM

Main engines:	2× MTU 16V 4000 M90
Maximum power:	2× 2.720 kW
Gearbox:	2× ZF 7540
Engine control:	MTU Blue vision
Waterlubricated shafts:	stainless steel 431
Propellers:	Schaffran five blade fixed pitch Ø 1.600 mm (5'3")
Generators:	2× Kilo-Pak
Power:	2× 50 kW, 50Hz three phase 230/400V
Bowthruster:	hydraulically driven make Hydromar, 63 kW
Steering system:	Sperry Marine Systems, type 2.S.25.35.2
Rudders:	Two stainless steel rudders with stainless steel 431 shafts
Stabilisation:	Active interceptor system for trim pitch and ride control



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TECHNICAL

Fresh water maker:	2× HEM 20/400 capacity 1.500 litres per day each (400 GPD)
Hot water boiler:	2× Nibe 200 litres each capacity 13kW each
Sanitary treatment:	Hamann miniframe 5.400 LPD
Grey/blackwater system:	JETS
Fuel separator:	Westfalia OTC 2-02-137 capacity 1.200 litres per hour
Air-conditioning:	chilled water units make Marine Air 2 x MCW 150, each 43,5 kW cooling capacity
Fresh Air supply:	make Salor Capacity t.b.d.
Search light:	1× Sanshin RCL 100
Anchor winch:	2× Staalart CAS 12-16ED, two speed
Anchor:	2× SHHP Pool –TW 167 kg
Anchor chain:	2× 137,5 m (450') U2–quality, 16 mm shortlink DIN 766.
Mooring capstan:	2× Staalart CR 12-00.E
Passarelle:	Hydromar Seawalk
Jacuzzi:	Hilton Spa Martinique



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TENDERS AND SPORT EQUIPMENT

Tenders and sport equipment are Owner's delivery. The design criteria for tender and waverider are foreseen as follows:

The net opening of the transom hatch is $B \times H = 4,1 \times 1,45 \text{ m}$ (13'5" \times 4'9")

There are two tender tracks located in the tender garage:

- Starboard side maximum tender length is 5,4 m (17'8")
- Port side maximum waverider length is 3,16 m (10'4")

NOTES

All our short specifications are with reservation of in between changes

END OF SPECIFICATION
