



SHORT SPECIFICATION

FOR A

**HEESEN YACHTS
5500 DISPLACEMENT
STEEL / ALUMINIUM MOTORYACHT**

PROJECT: #15555



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



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SPECIFICATION

Hull type:	Twin propeller motor yacht round bilge displacement
Naval Architect:	Heesen Yachts
Exterior Designer:	Omega Architects
Interior Designer:	Omega Architects
Classification:	Lloyds X 100A1 SSC YACHT X LMC Large Commercial Yacht Code LY2 / MCA
Material of Hull:	Steel
Material of Superstructure:	Aluminium

DIMENSIONS

Length over all:	55,00 meter	180'5"
Beam moulded:	9,60 meter	31'6"
Beam over all:	10,10 meter	33'1"
Draft:	3,20 meter	10'6"
Displacement (50%):	approx. 610 tons	1,345,000 lbs

TECHNICAL DETAILS

Maximum speed (50% load):	15,0 knots	
Cruising speed at 75% Power:	14,0 knots	
Range at 10 knots:	6.000 Nm	
Fuel capacity:	125 m ³	33.000 US Gallon
Fresh water:	30 m ³	7.925 US Gallon



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PROPULSION SYSTEM

Main engines:	2× MTU 12V4000 M60
Maximum power:	2× 1.320 kW @ 1800 rpm
Gearbox:	2× ZF 7540
Engine control:	MTU Blue vision, three control stands
Waterlubricated shafts:	stainless steel AISI 1.4057
Propellers:	Schaffran five blade fixed pitch Ø 1.600mm
Generators:	2× Kilo-pak or equal
Power:	2× 175 kW 50Hz
Emergency generator:	1× Kilo-pak, 80 kW 50Hz
Bowthruster:	electrically driven make HRP type 2001TT, 125 kW
Steering system:	Sperry Marine Systems, type 2.S.25.35.2
Rudders:	Two stainless steel rudders with stainless steel 1.4057 shafts
Stabilizing at anchor	make VT Naiad, type 820 with 2 fins of 5 m ² (53.8 sq ft)



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TECHNICAL

Fresh water maker:	2× HEM 30/3200 Modular capacity 12.000 litres per day each
Hot water boiler:	3× Nibe 300 litres each capacity 13kW each
Sanitary Treatment:	Hamann miniframe 8.100 litres per day
Greywater system:	EVAC
Fuel separator:	Westfalia OTC 2-02-137 capacity 1.150 litres per hour
Oil/water separator:	Rossmark, capacity 500 litres per hour
Air-conditioning:	Custom built with 3 compressors Cooling capacity t.b.d.
Fresh Air supply:	Salor capacity t.b.d.
Shore power:	125 KVA frequency converter
Search light:	2× Sanshin RCL 600
Anchor winch:	2× Staalart CAR37, two-speed
Anchor:	2× HHP Pool –TW approx. 585 kg
Anchor chain:	2× 165 meters, U2 – quality 24 mm studlink
Capstan:	2× Staalart CR57, reversing
Side Boarding Ladder:	Hydromar
Passarelle:	Hydromar



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TENDERS AND SPORT EQUIPMENT

Tenders and sport equipment are Owner's delivery. The design criteria for tenders and jet-ski's are foreseen as follows:

Tender: The tender launching arrangement and capacity in the tender garage shall be designed for:

1× 26' tender

2× Jet-ski

NOTES

All our short specifications are with reservation of in between changes

END OF SPECIFICATION