

Specifications



Merel-G Crew Tender Vessel

Main Particulars

Builder:	Maaskant Shipyards
Year built:	2015
Flag:	Panama
IMO Number:	9782285
MMSI:	374011000
Call Sign:	HO6511
Minimum Safe Manning:	4
Classification:	Lloyds Register
Notation:	✠100A1, SSC Workboat Catamaran HSC, G3, ✠ LMC

Dimensions

L.O.A.:	25.75m
Breadth:	10.27m
Dept:	2.90m
Draught:	1.75m
Nett Tonnage:	144.41t
Gross Tonnage:	180.51t

Performance

Max Speed:	24 knots
Approx. Consumption at Max Speed:	0.430m³
Cruising Speed:	20 knots
Approx. Consumption at Cruising Speed:	0.300m³
At 16 knots:	0.165m³
Type(s) and Grade(s) of Fuel Used:	MGO low Sulphur
Range:	1210NM

Machinery

Main Engines:	2 x Caterpillar C 32 TTA
Total Power:	2 x 895 Kw (total 2410 HP)
Gearboxes:	Reijntjes ZWVS 440/1 with PTO
Propellers:	2 x fixed pitch propellers
Bowtrusters:	2 x 50 KW hydraulically driven Hydrosta / Sider 80/100

Steering Gear

Twin Rudders with Sperry steering gear

Hull Material

Hull and Superstructure Aluminium	
Plating:	EN-AW 5083
Extrusions:	EN-AW 6082

Electrical Equipment

Network:	24V D.C., 230 /400V 50Hz Single and parallel mode
Generator set:	2x Generator set Caterpillar C2.2
Capacity:	2x 22.5Kw /28KVA

Safety Equipment

Life rafts:	2x 20 pers Viking
Dacon Scoop:	3x 8m

Communication & Navigation Equipment

GMDSS:	A3
X-Band Radar:	2x JRC JMA5212
GPS-receiver:	1x Furuno GP-170 1x JRC JRL - 20
Inmarsat-C:	2x Furuno Felcom-18 with LRIT
GMDSS VHF/DSC:	2x Sailor RT-6222
VHF:	1x Sailor RT 6210
GMDSS Handheld:	2x Sailor SP3520
MF/HF DSC Radio:	1x Sailor 6000 / 150watt
Gyro:	1x Anschutz STD22
Dual ECDIS:	1x Maris ECDIS-900
AIS:	1x JRC / JHS 182
Magnetic Compass:	Cassens & Plath / Reflecta
Satelite Compass:	1x JRC / JRL- 20
Automatic Pilot:	1x Alpatron Seapilot MFC
Echo Sounder:	1x JRC / JFE 380, 50 – 200 Khz
Windindicator:	1x Alpatron Alphawind MFC
Navtex:	1x JRC / NCR 333
EPIRB:	1x Mcmurdo E5
SART:	1x Mcmurdo S4
Satelitephone:	1x Sailor FBB 150
VSAT:	1 x KVH V7
Ships Computer:	2x PC workstations with internet

Bunker/Storage capacity

Fuel Oil:	14.2m³
Fuel Oil Trimtank Capacity:	8.0m³
Fresh Water:	1.8m³
Fresh Water Maker:	5m³/24hrs
Waste Water:	0.5m³
Bilge Water / Dirty Oil:	0.33m³

Storage capacity

Deck Cargo Foredeck:	15t
Maximum Deckload:	1.5t/m²
Deck Space:	90m²
Container Capacity:	3x 10f or 1x 20ft

Accommodation

Cabins:	3 crew cabins/ 6 berth total
Messroom:	1
Dayroom	1
Pantry	1
Personnel seating area with 12 seats / Norsap 800	

Special Features

CCTV Camera System:	
Searchlights:	1x Orlaco SB08
Helicopter Winch Zone:	2x 1000W
Resque Zones:	5m diameter on fore deck
Hospital facility provided	On both sides of the vessel
Intercom System:	Alpatron / Alphacall