



Vessel Specification Sheet

Aquarius-G Offshore Support Vessel (OSV)



Classification / Flag / Registration

Vessel name	Aquarius-G
Owner	Rederij Groen B.V.
Charterer	N-Sea
Builder	Fujian, China
Built	2016
Flag	Dutch
IMO number	9697131
MMSI	246954000
Call sign	PIPS
Notation	LR 100 A1 Offshore Supply Ship, ECO(TOC), LMC, UMS, DPA(AA)SPS, DPS-2

Dimensions

Length overall	68.04 m
Breadth	14.95 m
Depth	6.1 m
Draught	Max Draught 5.5m
Net tonnage	609 tons
Gross tonnage	2030 tons

Performance

Max speed	13 knots
Approx. consumption at max speed	15 mt/day
Eco speed	11 knots
Approx. consumption at eco speed	11 mt/day
DP mode	7 mt/day
Idle in port	1 mt/day

Machinery

Main propulsion	2 x CAT 3516B 1,920 kW with CPP
Auxiliary engines	1 x CAT C18, 550 kW (737 BHP), 2 x CAT C32, 715 kW (960 BHP)
Bow thruster	1 x Tunnel FPP600kW 1 x Retractable FPP 500 kW
Stern thruster	2 x Tunnel thruster CPP 400 kW
Shaft generator	2 x 1,000 kW
Emergency generator	1 x Cummins 200 kW

Deck equipment

Crane	SMST knuckle boom
Max hoist wire	370 m / 30 mm diam.
Max outreach with AHC	6t SWL x 19m - AHC 12t SWL x 13m - AHC 24 SWL t x 8m - Double Hook
Deck store / Aux crane	3 t SWL @ 9 m
Capstans	2 x 5 t @ 15 m/min
Life rafts	6 x 25 men

Dynamic Positioning

DP class	Kongsberg DP2 + CJoy
Gyro compass	3x gyro compass
DGPS	1 x DPS 110 / 1 x DPS 112
Taut wire	LTW Bandak MK 15
HPR	Kongsberg HIPAP 501
CyScan	CyScan MkIV
Motion sensors (MRU)	Seatex MRU
Wind sensor	3 X Kongsberg

Navigational equipment

Radar no.1	1x X-Band radar
Radar no.2	1x S-Band radar
Echo sounder	1
Auto pilot	1
Magnetic compass	1
Electronic charts	1 x ECDIS

Communications equipment

MF/HF radio	1 x Furuno FS 2575C
VHF radio	2 x Furuno FM-8900S
Portable two-way VHF	3 x portable two way GMDSS VHF
Satellite EPIRB	1 x JOTRON TRON 60AIS
Navtex receiver	1 x Furuno Navtex receiver NX700
SART	2 x JOTRON Tron AIS-SART
GMDSS	Furuno Felcom 18
Automatic identification	A1, A2, A3
Internet facilities	2 x StarLink Internet VOIP Telephone Systems

Bunker / Towage / Storage capacity

MGO	510 m ³
Potable water	380 m ³
Water ballast	1020 m ³
Heeling tanks	112 m ³
Fuel delivery	TODO connection 6000 l/hr

Storage capacity

Clear deck	approx. 485 m ²
Deck cargo	350 tons
Deck strength	7 mt/m ²
Bulwark (removable)	2 x port & 1 x starboard side along work deck
Power connections	1x75A (440V, 3 phase, 60 Hz)

Accommodation

Accommodation	49 persons
Crew accommodation	22 Crew
Project accommodation	27 Project staff
Gym	1
Recreation room	1
Offices	2
Compliance	MLC 2006

Survey installation

2 x Bottom Hull Mounts for Survey Sensor
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