

Specifications:

v20141018

Type of vessel	DP2 special service workboat
Class	Bureau Veritas +Hull +Mach +AUT UMS +Dynapos AM/AT R Special Service Workboat - Unrestricted Navigation
Trading area	Unrestricted navigation, max. 60 P.O.B.
Flag	The Netherlands
The vessel complies with SOLAS, SPS, ISM, ISPS, MARPOL and IMO requirements	

Principle dimensions and capacities:

Length over all	90,0 m
Moulded depth	6,5 m
Moulded Width	28,0 m
Maximum draught	4,90 m (7,20 m bow thrusters down)
Minimum draught approx.	1,90 m (4,20 m bow thrusters down)
GT / NT	5.551 / 1.665
Open deck space	1.500 m ²
Deck strength	15 ton / m ²
Deadweight	6.901 ton
Speed (maximum with minimum draft)	Approx. 10 knots
Fuel oil capacity	Up to 1.400 m ³
Fuel consumption	Subject to kind of work
Fresh water maker plant	2x 12 m ³ /hr
Fresh water tank capacity	Approx. 300 m ³
Ballast system tank capacity	Approx. 2.000 m ³
Ballast pumps	2x 400 m ³ /hr
Sewage treatment plant	1
Incinerator	25 kg/hr

Dynamic Positioning system:

Regulatory approved	BV Dynapos AM/AT R
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Cranes:

Liebherr LR 1300	Standard boom length 38m
Hydraulic deck crane Heila 340 Tm	Including single line winch

Accommodation:

Single / Double cabins	4 / 28
Hospital (single)	1
Total number of beds	60
Air-conditioning / electric heating	
Client office	2
Conference room	1
Deck store	2
Office unit	1 (3 offices)

Life boats:

MOB / Lifeboat	1
Lifeboat	1

Power and Propulsion:

details per 20141018

Main engines	2x Caterpillar 3512HD
Stern thrusters	2x HRP 6111 azimuthing thrusters 1140 kW
Bow thrusters	2x Caterpillar 3512B
	2x HRP 6111 retractable azimuthing thrusters 1118 kW
	1x Electric driven tunnel thruster 650 kW
Auxiliary / Power supply	3x 850 kW Parallel running/PM System
Emergency/Harbour generator	1x 200 kW

Winches / anchors:

6 Point Mooring System	6x 60 ton pull/120 ton hold full CT. Storage capacity 1.000 m ø 48 mm
Anchors	6x SSHP anchor 7 tonnes
Pulling winch	180 ton at 5m/min + reel. Reel storage capacity 2.000 m ø70 mm
Bow anchor	1x Stevpris 12 tonnes
Gripper for plough wire	200 tonnes SWL
Reel for plough wire	Storage capacity 2.000 m ø 70 mm

Navigation & Communication:

GMDSS	As per flag state / class unrestricted navigation
Satellite communications	Seatel VSAT 4006
Position Reference Systems	Fanbeam MDL Fanbeam 4.2
	2x Fugro L1/L2/Glonass GPS receiver
	Sonardyne Ranger pro USBL system
Vessel Control System	L-3 NMS6000, comprising: Class 2 Dynamic Positioning System, Thruster Control System, Environmental and Position Reference Sensors
Satellite TV system	Seatel 5004

Safety equipment:

According to Class / NSI / SOLAS

Cable carousel:

Loading capacity	4.400 tonnes
Outer diameter	24 m
Inner core diameter	6,6 m (adjustable to meet cable specifications)
Height of carousel	5,5 m (extendable to max. 7 m)
Cable tensioner	2x 10 ton

