



OFFSHORE VESSELS GPA DESIGN 670 MPSV



Class

BV1+HULL, +MACH, Unrestricted Navigation Supply Vessel/Oil, Fire-fighting ship 1, Water spray, + AUT-UMS, +DYNAPOS AM-AT-R (class 2).

Main Dimensions		Capacities (approx) :	
Length Overall :	73,2m	Cargo deck area : (5mt/m ²) (50,3x13,7m)	675m ²
Length between Perp.:	70,76m	Deck Cargo : (at 1m CG)	1500mt
Beam :	16,5m	Water Ballast/Drill Water :	759m ³
Depth:	6,8m	Base Oil : (2aft tanks, 96%/full)	198m ³
Operating Draft :	5,3m	Fuel Oil max. : (96%/full)	2006,5m ³
Maximum Draft :	5,5m	Fuel Oil service : (96%/full)	95,4m ³
Deadweight Max Draft :	3107mt	Fresh Water :	495m ³
Gross Registered Tonnage (approx):	2252gt	Bulk Mud : (5 forward tanks, 96%/full)	255m ³
Speed at 5,3m design draft/100%/MCR :	13 knots	Liquid Product Tanks suitable for mud, brine, base oil : (2,5 max. density)	1083m ³
Machinery / Propulsion		Sewage :	11,1m ³
Main Diesel Generator :		Gray Water :	12,1m ³
3x1825kW (2501hp) Cummins QSK 60 at 1800rpm, 440V/60Hz		Cargo Discharge Pumps (approx) :	
Main Propellers :		Bulk Material :	2 compressors rated for 50mt/h at 60m
2xKawasaki KST-200 ZFA, Z drive propellers, 360 degrees azimuthing, fix pitch, 1200rpm, powered by full range variable speed motors		Drill Water :	150m ³ /h at 90m
Drives : 2x1920kW, ABB 24 pulses frequency converters 690V		Base Oil :	150m ³ /h at 90m
Emergency Generator :		Fresh Water :	150m ³ /h at 90m
1x170kW (228hp) 440V/60Hz		Fuel Oil :	150m ³ /h at 90m
Thrusters : Kawasaki KST 105B3		Electronics :	
Tunnel bow thrusters : 2x746kW (1000hp) CPP at 1200rpm		1 joystick system for DP2 system	
Accommodation: 40 persons.		2 radars	
Deck Equipment		3 gyrocompasses	
Tugger Winches : 1x10mt pull		1 echo sounder, 1 speed log	
Deck/Subsea crane : (active heave compensated)		1 Inmarsat B or F77 providing phone/fax/Email	
9mt @ 18,5m, single fall, depth reach 1500m		1 Iridium or Globalstar, 1 mini M	
Deck Cargo crane : (knuckle-telescopic boom)		1 autopilot	
electro-hydraulic, 3mt @ 15m		1 EPRB, 2 radar transponders	
Life Boat : 1xMOB boat with davit, life rafts with equipment		1 GPS	
Anchor Windlass : 1		5 UHF, 2 VHF	
Capstans : 2x 8mt each		1 Inmarsat V	
Roll Reduction system : 2 roll stabilisation tanks		1 SSAS	
Fire Fighting System (class I) :		1 ECDIS	
2 pumps 1500m ³ /hr each, 2 monitors 1200m ³ /hr each, deluge system		Dynamic Positioning System (Class 2)	
Vessel Equipped for ROV operation :		1 DP system comprising	
Power Units: 2x500kVA/440V		2 operating consoles	
2 removable bulwark/rail (L=6, 10m) each		1 computer with printer	
Pre-cable video & communication bridge to deck		2 wind sensors	
DP follow ROV mode		3 gyrocompasses	
Deck strengthened for : 1x150mt A-Frame & 1x150mt winch		1 laser reference system	
		2 DGPS	
		1 Vertical Reference Unit	
		1 HiPaP 450	