



# OFFSHORE VESSELS GPA DESIGN 696 IMR



## Class

BV I +HULL,+MACH, UNRESTRICTED NAVIGATION, OFFSHORE SUPPLY VESSEL (chemical product, oil product), OIL RECOVERY SHIP/SPECIAL SERVICE/STANDBY RESCUE VESSEL (150 survivors in tropical area), +AUTUMS + DYNAPOS-AM/AT-RS, +SDS,Fi-Fi 1 with water spraying, COMF-NOISE 3,COMF-MB 3, CLEANSHIP SUPER 7+, +ALM

<b>Main Dimensions</b>		<b>Capacities (approx)</b>	
Length Overall :	100,2m	Gear deck area :	940m <sup>2</sup> (50/m <sup>2</sup> , 100/m <sup>2</sup> aft)
Length between Perp.:	95,6m	Sheltered deck area :	130m <sup>2</sup>
Breadth (moulded)	21,0m	Mezzanine deck area :	230m <sup>2</sup>
Depth (moulded)	8,0m	Moonpool : (not open option)	8mx8m
Scantling Draft:	6,35m	Deck cargo :	3000t
Design Draft	6,0m	Fuel Oil :	1096m <sup>3</sup>
Deadweight :	5400mt	Fresh Water :	91m <sup>3</sup>
Gross Registered Tonnage :	<6000gt	Ballast Water :	2508m <sup>3</sup>
Service Speed at design draft:	12 knots	Special products :	438m <sup>3</sup>
		Oily Water Tank :	28m <sup>3</sup>
		Waste oil tank :	28m <sup>3</sup>
		Sewage :	39m <sup>3</sup>
		Gray Water :	152m <sup>3</sup>
<b>Machinery / Propulsion / Equipment</b>		<b>Cargo Discharge Pumps (approx)</b>	
<b>Main Diesel Generators :</b>		Fuel Oil :	60/75m <sup>3</sup> /h at 9/2.2 bar
7x1235kW-600V, total output 8645kW		Fresh Water :	150m <sup>3</sup> /h at 7 bar
<b>Stern Azimuthing Thrusters :</b>		Methanol :	2x100m <sup>3</sup> /h at 90ml, hydraulic driven
3x1686kW. Drives: 6x843kW DC motor, 750V		Ballast/Drill Water :	2x150/47m <sup>3</sup> /h at 7.6/9.1 bar
<b>Emergency Generator :</b> 1x170kW, 480V/60Hz		Deck Service Compressor :	1x1200m <sup>3</sup> /h at 6.3 bar
<b>Bow Thrusters:</b>		Nitrogen Plant	
1 azimuthing retractable thruster, 1x834kWx1040rpm, FPP		<b>Dynamic Positioning System (Class 3)</b>	
2 Tunnel thrusters, 2x843kWx1040rpm, FPP		1 DP system comprising :	
<b>Deck Equipment</b>		3 operating consoles, 1 in back up RM	
<b>Windlass &amp; Winch combination :</b> 1 set		4 computers with 4 printers	
<b>Tugger Winch :</b> 15t at 0-10m/min. Drum capacity 150x dia. 22 SWR		2 Wind sensors	
<b>Capstan :</b> 10t at 0-15m/min		1 laser reference system	
<b>Deck Crane :</b> 1x150mt SWL @ 10m, 1x25mt SWL @ 35m RADIUS, knuckle boom		3 gyro compasses	
<b>Auxiliary Crane :</b> 40mt SWL @ 9m, 15mt SWL @ 21m, knuckle boom		2 DGPS	
<b>Stern Roller :</b> 80mt diam. 2mx1,5m		2 vertical reference units	
<b>8 Point Mooring System :</b> (option item) double drums in anti-waterfall arrangement, 4x hydraulic mooring winch c/w dragging brake		1 acoustic system (HiPAP)	
Dutypull : 20mt x 25m/min		<b>Electronics</b>	
<b>Drum brake :</b> 100t static on 1st layer		1 joystick for DP3 system	
<b>Power pack :</b> 2 units, 2x75 + 2x5,5kW		2 radars	
<b>Vessel Equipment for ROV Operations:</b>		1 magnetic compass	
Power units: 300kW/480VAC		1 echo sounder, 1 speed log	
Pre-cable video & communication bridge to deck		1 Inmarsat F providing phone, fax, Email	
DP follow ROV mode		1 V-sat for main external communication	
<b>Fire Fighting Systems(class I) :</b>		1 Iridium	
2 pumps, 1650m <sup>3</sup> /hr, DC motor driven		1 EPIRB	
2 monitors, 1200m <sup>3</sup> /hr		2 radar transponders	
<b>Helicopter Deck :</b>		1 DGPS, FRUNO GP-150	
aluminium, Super Puma AS332L2/EC225		1 UHF fixed, 3 semi-duplex VHF, 2 full duplex VHF	
		1 radio system compliant with GMDSS A3 rules	
		<b>Accommodation:</b> 105 persons.	