



GPMC 6500 (T) LIFTBOAT

Technical Specification sheet

General Application

This unit is a multipurpose triangular truss-type 4-legged stable platform, good for operations up to 65m water depths. This is self-elevating, self-propelled and self-positioned platform which can operate without tug assistance. The unit with 250-men accommodation, can perform services as self-propelled self-elevating accommodation unit in laying subsea installations, in support of well-intervention, work-overs and coil tubing operations, etc. 4 legs and fixed-type jacking system makes the unit Passive Preload Unit, thus saving preload operational time by diagonal preload.

Main Particulars

Hull

Hull length (wl)	60.39m
Hull Breadth	36.00m
Leg centre Distance	
- P/S legs	28.50m
- Aft and fwd leg	36.00m
Hull Depth	5.50m
Hull Draft	3.50m

Jacking system

Number	4 x 18 = 72 pinions
Type	Rack and Pinion, Fixed type (BLM/SOE or equivalent)
Normal Jacking	80 MT/pinion
Preload Jacking	140 MT/ pinion
Normal Holding Capacity	150 MT/pinion
Max Storm Holding Capacity	200 MT/pinion
Jacking Speed	3 FT/min for Hull 6 FT/min for Legs

Legs and Footings

Number	4 legs
Type	Truss type
Size	5 m C-to-C width.
Material	100 ksi rack, 70 ksi chord material
Overall leg length	90 m for 65 m water depth
Footings Type	Spudcan
Footing Area	40.5 m ² each. Max bearing pressure 45 MT/m ²

Accommodation

Fully air conditioned permanent accommodation, ILO C-92/C-133 compliant, is provided for 250 men in 4 x 1-man, 11 x 2-men and 52 x 4-men cabins. All utilities and life-saving equipment are suitable provided.



Elevated view impression

Storage Capacities

Fuel Oil	300 t
Fresh water	350 t
Ballast water	550 t
Endurance	21 days

Deck Area /storage

Clear Deck area	Approx. 780 m2
Deck Strength	3 MT/m2

Power Plant

Main Generators	4x 1600 kW CAT 3516B or eqv
Emergency Generators	1x 238 kW CAT C-18

Propulsion & Positioning System

Main Propulsion	Azimuth Thrusters
Stern Thrusters	2x 1500 kW azimuth thrusters
Positioning Bow Thrusters	2x 750 kW tunnel thrusters

Life Saving and Fire Safety

Lifeboats	3x 130-men (Port/Stbd/Fwd)
Life rafts	8x 25-men (Port/Stbd)
Fire and Safety	As per SOLAS

Design Criteria

The unit is meant for restricted operations and is designed to withstand following combinations of loads:

(a) Elevation Conditions

Design criteria

Max Water Depth	65 m
Max Air gap	10 m
Max Wave Height	12 m
Surface Current	1.5 kn
Wind speed	70 kn
Leg Penetration	3m
Variable Load	800 MT

(b) Transit Conditions

Transit speed	5 kn (avg)
Afloat Variable Load	800 MT

Survival Condition



GREEN PALM
MARINE
CONSULTANCY

Classification

ABS:  1A1 SELF ELEVATING UNIT  AMS

Alternative Classification;

BV:  HULL  MACH Self-Elevating Unit

Designed in Compliance with IMO MODU 2009

Cranes

Main Crane Max 100MT
Pedestal designed for 200 MT

Auxiliary Crane Max 50MT

Utility Crane Can be provided as per Client

Helideck

Helicopter	S61 N, S 92 or eqv
Pancake	Aluminum
Size (Dia)	22.2 m
MTOW	12.80 MT



Hull view impression

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