



# GPMC 6000 (C) LIFTBOAT

## Technical Specification sheet

### General Application

This unit is a multipurpose tubular-type 4-legged stable platform, good for restricted operations up to 55m water depths. This is self-elevating, self-propelled and self-positioned platform which can operate without tug assistance. The unit can perform services as JU accommodation unit in laying subsea installations, in support of well-intervention services, commissioning works 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)	54.00m
Hull Breadth	34.00m
Leg centre Distance	
- P/S legs	26.50m
- Aft and fwd leg	30.50m
Hull Depth	5.20m
Hull Draft	3.50m

#### Jacking system

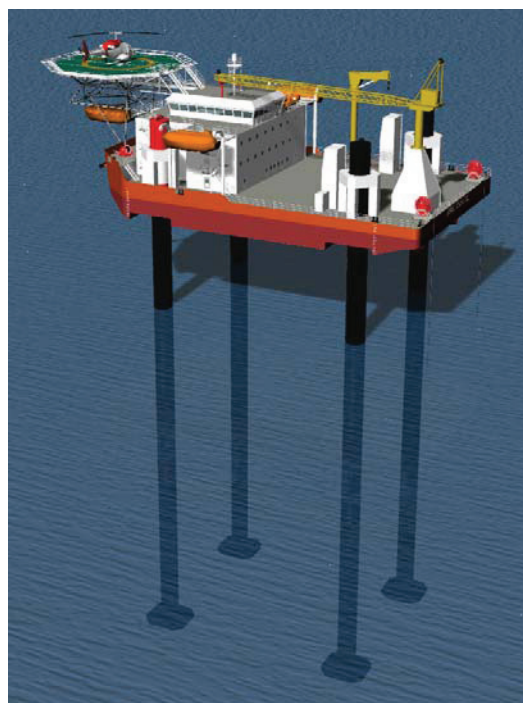
Number	4 x 6 = 24 pinions
Type	Rack and Pinion, Fixed type (BLM/SOE or equivalent)
Normal Jacking	230 MT/pinion
Preload Jacking	300 MT/ pinion
Normal Holding Capacity	400 MT/pinion
Max Storm Holding Capacity	500 MT/pinion
Jacking Speed	3 FT/min for Hull 6 FT/min for Legs

#### Legs and Footings

Number	4 legs
Type	Tubular type
Size	Chord 3.2m dia, thick 38mm avg, 70ksi, internally stiffened. Rack 5" (127 mm) thk, 100ksi
Overall length	80 m for 55m water depth
Footings Type	Spudcan
Footing Area	40.5m <sup>2</sup> each, Max bearing pressure 45 MT/m <sup>2</sup>

#### Accommodation

Fully air conditioned permanent accommodation, ILO C-92/C-133 compliant, is provided for 150 men in 4 x 1-man, 9 x 2-men and 32 x 4-men cabins. Utilities, lifesaving and fire-fighting systems designed for full POB onboard.



Elevated view impression

### Storage Capacities

Fuel Oil	285 t
Fresh water	300 t
Ballast water	500 t
Endurance	21 days

### Deck Area /storage

Clear Deck area	> 500 m2
Deck Strength	3 MT/m2

### Power Plant

Main Generators	4x 1278 kW CAT 3512B or eqv
Emergency Generators	1x 238 kW CAT C-18

### Propulsion & Positioning System

Main Propulsion	Azimuth Thrusters
Stern Thrusters	2x 1000 kW azimuth thrusters
Positioning Bow Thrusters	2x 570 kW tunnel thrusters

### Life Saving and Fire Safety

Lifeboats	3x 100-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	Survival Condition	
Max Water Depth	45 m	55 m
Max Air gap	18 m	8 m
Max Wave Height	8 m	6 m
Surface Current	1 kn	1 kn
Wind speed	58 kn	58 kn
Leg Penetration	3m	3 m
Variable Load	400 MT	400 MT

#### (b) Transit Conditions

Transit speed	5 kn (avg)
Afloat Variable Load	500 MT

### 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 and 120ft boom

Auxiliary Crane Max 50MT and 65ft boom

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



GREEN PALM  
MARINE  
CONSULTANCY

#### Contact us:

GPMCUK, Compass House, 17-19 Empringham Street, Hull,  
East Yorkshire, HU9 1RP, United Kingdom.  
+44 (0) 1482488657, +44 (0) 1482488651, +44 (0) 7895886920  
Email: [info@gpmcuk.com](mailto:info@gpmcuk.com) | web: [www.gpmcuk.com](http://www.gpmcuk.com)