



JACK-UP INSTALLATION VESSELS BRAVE TERN AND BOLD TERN



Classification and Rules

Vessel type: Gusto MSC NG9000C-HPE
Class: DNV + 1A1, CLEAN DESIGN NAUT-OSV(A)
OPP-F DYNPOS-AUTR EO HEL DK
Delivery: 2012/2013
Yard: Lamprell PLC, Dubai
Flag: Republic of Malta

Principal Dimensions

Hull length o.a. [m]: 132
Hull breadth mid [m]: 39
Hull depth [m]: 9
Draft at max. variable payload [m]: 6 at elevated 21.100t
(+0,8 to spud can tip)

Cargo Capacity

Max variable load (t): 9500
Deck area [m²]: 3200
Uniform deck loading [t/m²]: 5-10
WTG capacity (typical): 8 x 3,6MW or 4 x 8.0MW

Propulsion, Manoeuvring and Positioning

Aft propulsion: 3 x 3800 kW Voith Schneider propellers
Fwd manoeuvring: 3 x 1750 kW Wärtsilä Lips tunnel thrusters
Max speed [knots]: 12
Positioning: DP2

SPECIFICATIONS:



JACK-UP INSTALLATION VESSELS BRAVE TERN AND BOLD TERN

Operational Limitations

All year survival water depth range¹ [m]: 7.5 - 55
Operation water depth range¹ [m]: 5.5 - 60
Transit fully loaded: up to wave 3.5m Hs
Jacking: up to wave 1.8m Hs

Main Crane

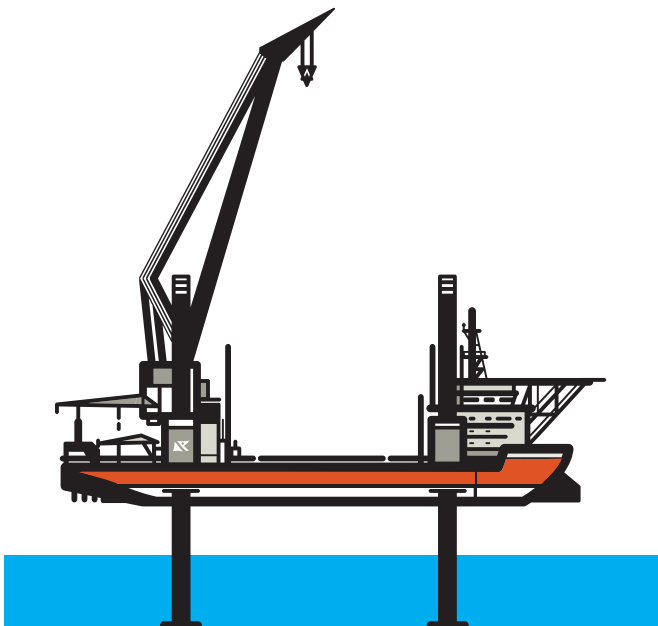
Type and location: Gusto GLC-800-ED-S around aft port leg
Long boom: 640t at 30m outreach (max height 119m at min radius)
Short boom: 800t at 26m outreach (max height 102m at min radius)
Auxilliary hook: 50t (certified for man-riding)
Mean wind limit [m/s]: 16

Deck Cranes

2 cranes of type 20t SWL, 27m max radius. Certified for man-riding
1 Palfinger hydraulic knuckle boom crane, DKF 500 - 10t@27m/7t@35m

Power generation

4 diesel electric Wärtsila generators:
1 x 12v32 5760kW, 1 x 6L32 2880kW, 2 x 9L32 4230kW
Harbour (emergency) generator. CAT 3512B 1400kW
Output range: 60 Hz, 230-690V
50 Hz on-deck power supply



Jacking System

Type: MSC continuous hydraulic double-acting system
Effective jacking capacity per leg [t]: 5830
Pre-loading capacity total [t]: 9560
Holding capacity per leg [t]: 9000
Jack-up lifting / lowering speed [m/min]: 0.4 / 0.5
Leg handling speed [m/min]: 0.6

Legs and Spudcans

Number & type: 4 cylindrical
Diameter [m]: 4.5
Length [m]: 92.4
Max leg length below ship baseline [m]: 70.5
Spudcan area [m²]: 106

Safety Systems

Fire and safety systems: Compliant with DNV Offshore Standards, IMO MODU Code and SOLAS/SPS Code, North Sea Standard
Fire & Gas detection: Shipwide integrated system
Fire extinguishing: Fire ring main, Ultra fog water mist system
Life saving: 1 x 100% complement fully enclosed lifeboats and inflatable rafts
MOB: high speed rescue boat + CrewFinder system

Access

Helicopter deck D22m, 12.8t (CAP437)
Hydraulic gangway to foundation or quay
Man-riding cranes
Hydraulic boat landing for CTV
SOV transfer bracket

Accommodation and Facilities

Total complement: 80 persons in 56 cabins
Cabins equipped with en suite bathroom, Sat TV/video
Client offices and workshops, fitness room, laundry, TV room etc.

Leg retrieval system (jetting)

Capacity: 50m³/h @ 30bar per pump
Capacity: 150m³/h @ 10bar per pump

Fuel consumption

Transit speed of 10 knots [t/24h]: 45
Elevated, standby [t/24h]: 5-6
Elevated, crane work [t/24h]: 6-8

¹ Depending on site conditions

The information included in this brochure is intended for general information only. All figures believed to be correct at time of printing.