



Charybdis

A Jones Act Compliant Vessel

Charybdis

A state of the art wind turbine and foundation installation vessel.

CLASSIFICATION AND RULES

Type: GustoMSC NG-16000X-SJ
Class: ABS A1 Self-Elevating Unit + AMS
+ ACCU + DPS 2, Self Propelled
+ CRC + Wind IMR
Flag: US – Portsmouth, VA

MAIN DIMENSIONS

Hull

Length (Maindeck): 472'5" (144m)
Width: 183' 9" (56m)
Hull depth: 37' 9" (11.5m)
Draft: 24'7"(7.5m)
29' 2" (8.9m) including spudcans for transit. Can be reduced by 4' 11" (1.5m) with spudcans retracted for shallow ports.
Main deck area: 58,125ft² (5,400m²)
Main deck load capacity: 0.93t/ft² (10t/m²)
Variable Load: 11,500t

Helideck

Helicopter type: Sikorsky S92
Diameter: 72' 10" (22.2m)

Legs and Spudcans

Number/type: 4/triangular truss
Footing type: Spudcan with pin
Spudcan area: Spudcan footing area
1959ft² (182m²)
Leg length: Projected
bearing area
(approx): 357' 7" (109m)
1959.03ft² (182 m²)

Jacking System

Type: Rack and pinion
Drive: Electric VFD
Elevating speed: 2' 2"/min (0.65/min)
Pre-load capacity per leg: 16,000t
Jacking capacity per leg: 10,080t

CRANES

Main crane

Mount wrap-around the starboard aft leg
Boom length: 426' 7" (130m)
Capacities: 2,200t at 95' 2" (29m) radius
main hoist

Floating condition: 1700t at 108' 3" (33m) radius
Aux hoist: 750t at 216' 6" (66m)
Whip hoist: 100t at 469' 2" (143m)

Auxiliary crane

Port aft: 3 x pedestal cranes
(fitted as required)
Starboard aft: 7t at 114' 10" (35m) (static lift)
Forward stores: 2t at 82' (25m) (boat lift)

SAFETY SYSTEMS

Fire and gas detectors throughout the whole vessel in full compliance with MOU requirements.

2 x 119 person capacity totally enclosed survival crafts located on port and starboard sides (200% total complement).

Inflatable life rafts for 200% of total complement.
1 x MOB / fast rescue boat.

Capacity: 6 persons
Length: 24' 7" (7.5m)
Speed: 28 knots

PROPULSION UNITS

Thrusters: 4 x 3200 kw aft thrusters (fixed)
3 x 3700 kw forward thrusters (retractable)
Design Speed: 10 knots

Control Systems

Dynamic positioning control system (DPCS) according to ABS DPS 2.

Navigation and communication systems according to IMS and DSI requirements.

ACCOMMODATION AND FACILITIES

Total complement:
119 Persons on board.
Cabins equipped with en-suite shower/toilet, telephone, TV/DVD and network connections.

Facilities

Include galley, messroom, coffee rooms, stores, laundry, recreation / TV rooms, cinema, gym, changing rooms, hospital, client meeting rooms, offices and workshops.



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All details are correct at time of going to press. Vessel specification may differ from time to time due to project specific alterations. General arrangement and detailed specifications available upon request.