



QMS PEARL

300 POB, DPS-1, SELF-PROPELLED, SELF-ELEVATING BARGE

Year of Delivery	: 2016
Port of Registry	: Kingstown
Flag	: St. Vincent & Grenadines
IMO Number	: 9770218
Class	: ABS, A1, Self-Elevating Unit, AMS, - NP DPS-1 CPS, CRC HELIDK

GENERAL

Length Overall	: 79.90 m
Hull Length	: 64.80 m
Hull Breadth	: 40.04 m
Hull Depth	: 5.80 m
Design Draft	: 3.00 m
Draft incl. spud can	: 4.60 m (operating)
Max. Deck Load	: 5 tons/m ²
Free Deck Space	: 1500 m ²
Max. Speed	: 6 kts.
Variable Load	: 1900 tons
Max. Water Depth	: 65 m

LEGS

4 Nos. Cylindrical Lattice Type
91.60 m leg length
8.0 m dia spud can
50.28 m² foot spud cans foot area
Jetting system 40 m³/hr, 60 bar, 200 kW, 50 Hz.

JACKING SYSTEM

Jacking system	: Electro-Hydraulic
Jacking Speed	: 0.6 m/min, 1.2 m/min
Pinion Per Leg	: 14 Pinion per leg (Total 56)
storm Holding	: 200 ton/pinion storm holding
Capacity	: capability

TANK CAPACITY

Fuel Oil	: 414 m ³
Fresh Water	: 954 m ³
Ballast Water	: 2089.90 m ³
Brine	: 383 m ³
Fresh Water Maker	: 2 x 75 ton/day

MACHINERY

Main Engine	: 2 x 1760 kW @ 910 rpm Weichai MAN CW 200
Main Diesel Generator	: 3 x CAT C32 800 kW, 400 V, 50 Hz.
Emergency Generator	: 1 x 200 kW, 400 v, 50 Hz.

PROPULSION

Bow Thruster	: 1 x electro-hydraulic, 4 bladed adjustable pitch propellers, dia. 1500 mm, 600 kW, 8 tons thrust.
Azimuth Thruster	: 2 x 1600 kW

SAFETY & FIRE-FIGHTING

Lifeboat	: 2 x 150 men
Rescue Craft	: 1 x 6 men
Life Raft (Davit)	: 12 x 25 men

CRANE

Main Crane	: 1x 190 tons @ 9.5 m, 38 tons @ 40m. Diesel Hydraulic with Auxiliary Hoist 10 ton @ 30 m
Auxiliary Crane	: Electric Hydraulic 20 ton @ 20 m, 10 ton @ 30m with Auxiliary Hoist 3 ton @ 33 m

DECK EQUIPMENT

Anchor Mooring Winchs	: 4 x Electro Hydraulic 350 kN @ 9m/min, Brake 750 kN, 1000m x 38mm wire
Tugger Winches	: 1 x Electric 45 kN @ 12m/min, Brake 120 kN, 50m x 20mm dia wire

HELIDECK

Steel Octagonal	: 17.46 m
Load	: 5.40 tons

Helideck can accommodate a Bell 412/212 and has a full AFFF fire-fighting system. The Helideck is designed as per CAP 437 and ABS regulation

ACCOMMODATION

Total Accommodation for 300 POB (Upgradable to 350 POB)
Fitted with Sprinkler System.

DP SYSTEM

Kongsberg DP 1

ADDITIONAL

- Brine System includes pumps, valves, tanks
- High Volume air compressors
- A60 fire insulation under main deck process equipment
- Four mooring/ anchor winches

COMMUNICATION EQUIPMENT

SSB Radio (1), VHF Radio (3), SART (4), Two-way Radio
Telephone (15), SART (4), EPIRB (1), Portabal VHF Walkie-Talk-
ie (4), Inmarsat-C with SSAS & LRIT (1), VSAT (1)

NAVIGATION EQUIPMENT

Radar x-band with ARPA (1), S-Band (1), ECDIS (1), Gyro
Compass (2), Magnetic Compass (1), Fixed CCTV system(1),
Doppler Speed Log (1), Anemometer and Anoscope (1
set), Weather Fascimile Receiver (1), Integrated Electronic
Control System - Joystick/DP1 - System (1).

360 Deg. VIEW FROM WHEEL HOUSE