



QMS SURPRISE II

150 POB, SELF-ELEVATING BARGE

Year of Delivery	: 2019
Port of Registry	: Kingstown
Flag	: St. Vincent & Grenadines
IMO Number	: 9814325
Class	: ABS, A1, Self-Elevating Unit, AMS, - NP DPS-1 CRC CPS HELIDK

GENERAL

Length Overall	: 87.175 m
Hull Length	: 62.22 m
Hull Breadth	: 40.80 m
Hull Depth	: 6.00 m
Design Draft	: 3.20 m (Incl. Spud Cans)
Max. Deck Load	: 5 tons/m ²
Free Deck Space	: 1500 m ²
Max. Speed	: 6 kts.
Variable Load	: 2020 tons
Max. Water Depth	: 65 m

LEGS

4 Nos. Cylindrical Type	
90.00 m leg length	
Spud can : 11.8 x 6.8 x 1.8 m (L x B x H)	
Spud can Footing Area : 80.24 m ²	
Jetting system : HP jetting water 40m ³ /hr @ 28 bar	
Max. Bearing pressure : 33 ton/m ³	

JACKING SYSTEM

Jacking system	: Electro-Hydraulic Rack & Pinion type
Jacking Speed	: 0.6 m/min, 1.2m/min
Pinion Per Leg	: 14 Pinion per leg (Total 56)
Storm Holding Capacity	: 200 tons/ pinion

TANK CAPACITY

Fuel Oil	: 443.20 m ³
Fresh Water	: 536 m ³
Ballast Water	: 1470.90 m ³
Brine	: 191.50 m ³

MACHINERY

Main Engine	: 2 x CW 16V200ZC MCR1760 kW
Main Diesel Generator	: 3 x CAT C32, 830 kW @ 1500 rpm, 400 V, 50 Hz.
Emergency Generator	: 1 x 200 kW @ 1500 rpm, 400 v, 50 Hz. Weichai CCF J200-WY

PROPULSION

Bow Thruster	: Electro Hydraulic, 4 bladed adjustable pitch propeller, 1500mm, 600 k, 8 ton thrust.
Azimuth Thruster	: 2 x 1600 kW

CRANE

Main Crane	: 1 x 190 tons @ 9.5 m, 38 tons @ 40 m. Diesel Hydraulic with Auxiliary Hoist 10 ton @ 43 m
Auxiliary Crane	: 20 tons @ 20m, 10 tons @ 30 m Electro Hydraulic with Auxiliary Hoise 3 ton @ 33 m

DECK EQUIPMENT

Anchor Mooring	: 4 x Electro Hydraulic 250 kN, Brake
Winches	: 700 kN, static Holding force
Wire	: 50 m x 32mm

HELIDECK

Material	: Steel
Diameter (D) value (m)	: 22.2m, 12.6 Ton
Helicopter Type	: Sikorsky S92A / S61N

ACCOMMODATION

Total Accommodation for 150 POB (Upgradable to 350 POB)
Fitted with Sprinkler System.

SAFETY & FIRE-FIGHTING

Lifeboat	: 2 x 150 men max. 82.5 kg/man
Rescue Craft	: 1 x 6 men
Life Raft (Davit)	: 6 x 25 men (EC Cert)
Fire Extinguisher System	: as per Class Requirement

COMMUNICATION EQUIPMENT

VHF Radio (1), SART (4), Hand Held VHF (4), GMDSS (4),
Inmarsat-C with SSAS & LRIT (1)

NAVIGATION EQUIPMENT

Radar X- Band with ARPA (1) ECDIS (1), Gyro Compass (2),
Magnetic compass (1), Doppler speed Log (1)

360 DEG. VIEW FROM WHEELHOUSE