



QMS ACHIEVER

323 POB DP2 SELF-PROPELLED, SELF-ELEVATING BARGE

Year of Delivery	: 2017
Port of Registry	: Panama
Flag	: Panama
IMO Number	: 9769946
Class	: ABS, A1, Self-Elevating Unit, AMS, DPS-2, CPS CRC HELIDK (SRF) ENVIRO-OS

GENERAL

Length Overall	: 101.20 m
Hull Length	: 82.30 m
Hull Breadth	: 44.00 m
Hull Depth	: 6.50 m
Design Draft	: 3.50 m
Max. Deck Load	: 7.5 tons/m ²
Free Deck Space	: 1900 m ²
Max. Speed	: 6 kts.
Variable Load	: 2200 tons
Max. Water Depth	: 80 m

LEGS

4 Nos. Triangular Lattice Type
 110 m leg length
 11.43 x 9.6 x 2.9 m min spud Can Rectangular
 109.7 m² foot spud cans foot area.
 Jetting system 40 m³/hr, 60 bar, 200 kW, 50 Hz.

JACKING SYSTEM

Jacking system	: Electro- Rack & Pinion Type
Jacking Speed	: 0.8 m/min
Pinion Per Leg	: 18 Pinion per leg (Total 72)
storm Holding Capacity	: 360 ton/pinion

ENVIRONMENT CRITERIA

Normal Operating Conditions	: 70 Kts. wind @ 60 m water depth
Storm Conditions	: 100 Kts. wind @ 40 m water depth
Max. Wave Length	: 10 m

SUITABLE FOR OPERATIONS UNDER NORTH SEA WEATHER CRITERIA

TANK CAPACITY

Fuel Oil	: 546.4 m ³
Fresh Water	: 609.7 m ³
Ballast Water	: 2691 m ³
Brine	: 198.70 m ³
Fresh Water maker	: 2 x 50 ton/day RO type

MACHINERY

Diesel Electric	
Main Diesel Generator	: 6 x CAT 3516B 1717 Kw each, 690 V, 50 Hz.
Emergency Generator	: 1 x CAT C18 383 kW, 400 V, 50 Hz.

PROPULSION

Bow Thruster	: 3 x 1100 kW, Tunnel Type CPP
Azimuth Thruster	: 3 x 1300 kW, Well Type, VFD, FPP

NAVIGATION EQUIPMENT

Radar x-band with ARPA (1), S-Band (1), Auto pilot, VDR(1), AIS (1), ECDIS (2), Gyro Compass (3), Magnetic Compass (1), Fixed CCTV System(1), Doppler system log (1), Bridge Navigation Watch Alarm system(BNWS) (1), Aviation Homing beacon (1), Anemometer and Anomoscope (1 set), weather Fascimile receiver (1), GPS (2), Echosounder (1), Navtex (1)
 360 Deg. VIEW FROM WHEELHOUSE

CRANE

Main Crane	: 2 x 190 ton @ 15 m, 35 ton @ 43 m (API 2c. Zone II or crane Zone 1 for Boom)
Auxiliary Crane	: 50 ton @ 10 m, 10 ton @ 25 m (API 2c Zone II)

DECK EQUIPMENT

Wire Winches	: 3 x Electro-Hydraulic 540 kN @ 9m/min 1000 m x 46 mm wire
Anchor Winches	: 1 x Electro- Hydraulic 540kN @ 9m/min , 1000m x 70 mm wire
Tugger Winches	: 1 x Electric 45 kN @ 12m/min, brake 120 kN, 50 m x 20 mm dia wire for towing bridle

HELIDECK

Material	: Aluminium Octagonal
Diameter	: 22.2m
Load	: 12.60 tons

Helideck can accommodate a Sikorsky S92A-S61N and has a full AFFF firefighting system. The Helideck is designed as per CAP 437 and ABS regulations with SRF notation including refueling

ACCOMMODATION

Total Accommodation for 323 POB (Upgradable to 500 POB)
 Fitted with Sprinkler System.

DP SYSTEM

Kongsberg K -POS 21
 2 x Operators station
 3 x Gyro Compass
 3 x wind sensor
 2 x motion reference sensors
 2 x computers & Printer each
 3 x DGPS C-Nav
 1 x Radar
 2 x Uninterrupted Power supply system
 2 x Radius
 1 x Fan beam

COMMUNICATION EQUIPMENT

MH/HF radio (1), VHF Radio (3), Two-way Radio Telephone (7), SART (7), VSAT (1), Inmarsat-c with SSAS & LRIT (2) , FBB (1), Fixed Airband VHF (1), Portable Airband VHF (2), Public Adress stations (5), Emergency battery Less Intercom (9 Stations), telephone exchange (158 stations)

SAFETY & FIRE-FIGHTING

Lifeboat	: 5 x 120 men
Rescue Craft	: 1 x 15 men Jet drive
Life Raft (Davit)	: 8 x 25 men, 2 x 35 men