



QMS SENTINEL

250 POB, DP2, SELF-ELEVATING, SELF-PROPELLED

GENERAL

Delivered 2017
Registered - PANAMA
IMO No.: 9769958
ABS, ✕A1, Self Elevating Unit, ✕AMS, ✕DPS2 CRC CPS
HELIDK (SRF) ENVIRO-OS

CRANE

Main Crane 2 x 300 tons @15m / 50 T@43m (API 2C. Zone II for crane. Zone I for Boom)
Auxiliary Crane 50t @10m /10t @25m (API 2C Zone II).

DECK EQUIPMENT

Anchor Winches: 3 x Electro Hydraulic 540 kN @ 9m/min
1000 m x 46 mm wire, 1 x electro hydraulic 290 kN; 500m x 800mm wire
Tugger Winch: 1 x Electric 45 kN @ 12m/min, Brake 120kN, 50 m x 20mm Ø wire, for towing bridle

HELIDECK

Aluminum Octagonal : 22.2 m
Load : 12.6 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 250 POB (upgradable to 350 POB)
Cabin breakdown:
18 x 1 man, 58 x 4 man
6 x Offices (2 x 8 man, 3 x 4 man, 1 x 15 man)
1 x infirmary equipped with two sick beds
Sewage treatment plants for 350 POB

DP SYSTEM

Kongsberg K-POS 21
2 x Operators Station
3 x Gyro Compass (Sperry navigat X MK1)
3 x Wind Sensors (Gill Wind Observer)
2 x Motions Reference Sensors
(KONGSBERG MRU D Motion Reference Unit)
1 x Spot Track /Fanbem
3 x DGPS (KONGSBERG DPS 112)
1 x (KONGSBERG Radius 1000)
2 x Printer
2 x Uninterrupted Power Supply System
1 x Independent Joy-Stick Control

SAFETY & FIRE FIGHTING

Lifeboats : 5 x 120 men
Rescue Craft : 1 x 15 men Jet drive
Life Raft (DAVIT) : 12 x 25 men

DIMENSIONS

Length Overall	: 101.2 m
Length of hull	: 82.3 m
Breadth of hull	: 44.0 m
Depth of hull	: 6.50 m
Operational Draft	: 3.5 m
Max deck load	: 5 t/ 7.5t/m ²
Free Deck Area	: 1,650 m ²
Speed	: 7 knots
Variable Load	: 2000 t
Max Water depth	: 80.0 m

LEGS

4 Nos. Triangular lattice Type
110 m leg length O.A incl. spud cans
Spud Cans Rectangular 11.43 x 9.6 x 2.9 m
82m² Foot spud can foot area
Allowing Operation Depth 80m with 10m gap

JACKING SYSTEM

Jacking System	: Electric Rack & Pinion Type
Jacking Speed	: 0.8 m/min
Pinion Per Leg	: 18 Pinion per leg (Total 72)
Storm Holding Capacity	: 360 t/pinion

ENVIRONMENTAL CRITERIA

Normal Operating Condition	: 70 Knots wind @ 60m water depth
Storm Condition	: 100 Knots wind @ 40m water depth
Max. Wave Height	: 10m

TANK CAPACITY

Fuel Oil	: 546.4 m ³
Fresh Water	: 610 m ³
Ballast Water	: 2691 m ³
Brine	: 200 m ³

MACHINERY

Diesel Electric	
Main Diesel Generator	: 6 x CAT 3516B 1717 kW Each (690V 50Hz)
Emergency Generator	: 1 x CAT C18 306kW (400V 50Hz)
Fresh Water Maker	: 2 x 50t/day RO Type

PROPULSION

Bow thruster	: 3 x 1100 kW, Tunnel Type CPP
Azimuth thrusters	: 3 x 1300 kW, Well type, VFD, FPP



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COMMUNICATION EQUIPMENT

MH/HF Radio -1
VHF Radio -3
Two way radio telephone -7
SART -7, EPIRB -1
Portable VHF Walkie-talkie -4
V-sat -1
INMARSAT-C with SSAS & LRIT -2

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 Speed Log -1
Bridge Navigation Watch Alarm System (BNWAS) -1
Aviation Homing Beacon -1
Anemometer and Anemoscope -1 set
Weather Facsimile Receiver -1
Integrated Electronic Control System - Joystick/DP2- System -1



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