

46 m x 47.50 m / 92 Men / Self Propelled / 3 Leg Self Elevating Unit with Helideck



DELTA 22

5 Years Life Extension as per Life Assurance Program
E1.11 of ADMA-OPCO JUIMS



Atlantic Maritime Group FZE

www.atlanticnavigation.com

GENERAL PARTICULARS

Year of Build / Place : 1980 / Singapore
Year of Re – Build : 2012 / UAE
IMO Number : 8753134
Call Sign : 3FHE
Flag / Port of Registry : Panama
Class : ABS
Notation : ⚡ A1, Self-Elevating Unit
Vessel Manager : Atlantic Maritime Group

DIMENSIONS

Length (Hull) : 151 Ft (46.02 m)
Length (Including Helideck) : 222.40 Ft (67.80 m)
Breadth : 156 Ft (47.55 m)
Depth : 18 Ft (5.48 m)
Maximum Draft (Hull) : 12 Ft (3.65 m)
Safe Operating Draft : 21 Ft (6.40 m) [Hull + Spud Can]
GRT : 4229.00
NRT : 1268.00
Displacement @ Max. Draft : 6585.00 T
Lightship : 4738.00 T
Total Variable Load : 2899 Kips (1315 T)

MACHINERY

Main Generators : 4 x Caterpillar D 399 @ Idle 780 RPM
Total: 4370 BHP @ 1200 RPM
Alternators : 4 x Kato, 1030 kW (Each), 1287 kVA @ P.F – 0.8
600 V, 60 Hz; 3 PH
Emergency Generator : 1 x Caterpillar D 379; 575 HP @ 1200 RPM
Alternator : 1 x Kato, 550 kW, 688 kVA @ P.F – 0.8
480 V, 60 Hz, 3 PH
Aft Thrusters : 2 x Wartsila, CS 175 – SLIWO, 500 kW (Each), CPP
Forward Thrusters : 2 x Schottel NAV 300 / 441, 482 kW (Each), CPP

MAIN CRANE

Location : Main Deck Starboard Stern
Model : BUCYRUS ERIE MK – 60
Boom Length / Type : 100 Ft (30.48 m) / Lattice Boom
Main Block Capacity : Maximum 47.62 MT
47.62 MT @ Radius (Minimum) 6.10 m (Boom Angle 80°)
6.35 MT @ Radius (Maximum) 32.00 m (Boom Angle 0°)
Auxiliary Block Capacity : 5.40 MT @ Radius 6.10 m ~ 32.00 m
Man Riding Capacity : 1.50 MT
Engine : Detroit GM 12 V – 71N

AUXILIARY CRANE

Location : Main Deck Port
Model : LE TOURNEAU PCM – 120 AS
200 HP Electric Motor Crane
Boom Length / Type : 120 Ft (36.57 m) / Lattice Boom
Main Block Capacity : Maximum 35.60 MT
35.60 MT @ Radius (Minimum) 8.53 m
1.63 MT @ Radius (Maximum) 36.57 m
Auxiliary Block : N/A

ANCHOR WINCH

Winch : 2 x Baker Marine Services; 32 mm Wire Rope

TOWING ARRANGEMENT

Smit Bracket : 4 x 50 T Each (Fwd. and Aft)
Twin Bit Bollards : 8 Nos. All around the barge
Fair Leads : 2 x Aft

OPERATING CONDITIONS

Normal Operating Condition 1 – Elevated

Maximum Water Depth (Elevated) : 160 Ft (48.76 m)
Maximum Air Gap (Elevated) : 30 Ft (9.14 m)

Normal Operating Condition 2 – Elevated

Maximum Water Depth (Elevated) : 150 Ft
Maximum Air Gap (Elevated) : 40 Ft

Normal Operating Condition 3 – Elevated

Maximum Water Depth (Elevated) : 140 Ft
Maximum Air Gap (Elevated) : 50 Ft

Normal Operating Condition 4 – Elevated

Maximum Water Depth (Elevated) : 130 Ft (39.62 m)
Maximum Air Gap (Elevated) : 60 Ft (18.28 m)

Wave Height : 16 Ft (4.87 m) (All above Conditions)
Wave Period : 10 Seconds (All above Conditions)
Wind Velocity : 44 Knots (All above Conditions)
Current Velocity : 2.50 Knots (All above Conditions)
Maximum Leg Penetration : 20 Ft (6.09 m) (All above Conditions)

Storm Holding Condition – Elevated

Maximum Water Depth : 160 Ft (48.76 m)
Maximum Air Gap : 30 Ft (9.14 m)
Wave Height : 29 Ft (8.80 m) (Storm Holding Condition)
Wave Period : 10 Seconds (Storm Holding Condition)
Wind Velocity : 70 Knots (Storm Holding Condition)
Current Velocity : 2.50 Knots (Storm Holding Condition)
Maximum Leg Penetration : 20 Ft (6.09 m) (Storm Holding Condition)

Afloat Conditions

Min. Depth Required (Transit / Tow): 6.90 m

LEGS AND JACKING SYSTEM

Legs : 3 Nos / Cylindrical
Leg Dimensions (Exc. Spud) : Length 260 Ft (79.20 m) / Diameter 12 Ft (3.65 m)
Spud Can : 3 Nos / Octagonal
Spud Can Dimensions : Across Flats 31 Ft (9.44 m) / Height 5 Ft (1.52 m)
Cathodic Protection : Available

Jacking System : 3 x Baker Marine;
Electro Hydraulic, Rack & Pinion
Total Elevating Capacity : 10,800 Kips (4898 MT)
Total Holding Capacity : 18,000 Kips (8164 MT)
Leg Bearing Pressure : 44.08 T / m2
Elevating Speed : Variable; Up to 1 Ft / minute
Climbing Pinions : 6 Nos (Per Leg)
Safety Features : Automatic Position Lock on Power Failure

FIRE FIGHTING & SAFETY EQUIPMENT

Fire & Bilge Pump : 2 x 204 m3 / hr @ 53 m Head
Emergency Fire Pump : 1 x 140 m3 / hr @ 85 m Head
Fi-Fi Monitors (Helideck) : 2 x 1453 L / min (87 m3 / hr) with Manual Control
Fi-Fi Monitors (Top Deck) : 2 x Fire Monitors for Main deck with Manual Control
Fixed CO2 System : Available in Engine Room / PCR, EDG Room / DG4 Room / Galley and Paint Store
Sprinkler Pump : 1 x 50 m3 / hr; Serving Accommodation Area