

CASTORO 12

NON-SELF-PROPELLED
SHALLOW WATER PIPELAY BARGE



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WORKABILITY

SEMI-SUBMERSIBLE PONTOON
EXTENDED WORKING WINDOWS

CAPABILITY

PIPELAY AND SINGLE JOINT
FABRICATION FACILITIES

TECHNICAL SPECIFICATIONS

DIMENSIONS

- Length overall (excluding ramps): 101 m
- Length overall (including ramps): 106 m
- Breadth overall: 29.35 m
- Main deck depth above B.L.: 9.144 m
- Transit draft: 2.2 m
- Operating draft (typical): 1.6 m
- Trim min./max.: 0 / 1.8°
- Operational trim (typical): 0.5°
- Deadweight: 1,162 t
- GRT: 6,272 t
- NRT: 1,881 t
- Displacement (full load): 3,818.99 t

CLASSIFICATION

- Class: pontoon; special navigation
- Classification: RINA
- Flag: Bahamas
- IMO: 9333307
- Year: 2006

POWER GENERATION

- Main generators: 3 x 738 kW each
- Emergency generator: 120 kW

MOORING AND TOWING SYSTEM

- Mooring winches: 10
Max. working pull: 33 t
- Anchor wires: 10
Wire diameter: 50 mm
Wire length: 900 m
- Anchors: 10
Weight: 1.5 to 5.4 t
- Towing system: bow & stern towing
bridle arrangement approved for max
tug bollard pull of 40 t

CRANES

- Port Pedestal Crane
 - Working radius: 38 m
 - Main hook lifting capacity: 35 t @ 15 m
20 t @ 30 m
 - Aux. hook lifting capacity: 5 t @ 38 m
 - Man-riding: yes
- Palfinger telescopic knuckle boom crane
 - Working radius: 12 m
 - Main hook lifting capacity: 5 t @ 10 m
2 t @ 12 m
 - Man-riding: no
- 2 x Fassi telescopic knuckle boom crane
 - Working radius: 8.05 m
 - Main hook lifting capacity: 9.2 t @ 2 m
2.315 t @ 8.05 m
 - Man-riding: no
- 2 x electric overhead double girder
slewing arm traveling crane
 - Slewing arm length: 2.5 m
 - Girder length: 5.5 m
 - Lifting capacity: 6.5 t
- Pipe loading device
 - Capacity: 20 t
 - Max. OD: 40"

DECK EQUIPMENT

- Free deck area: -135 m²
- Deck loading capacity: -675 t
- Deck cargo capacity (uniform
distribute): 5 t/m²
- Pipes storage area: -84 m²
- SJ Storage capacity in working areas:
1 x SJ loading device
3 x SJ external conveyor
5 x SJ beadstall

PIPELAYING SYSTEM

- Type: S-lay
- Tensioners: 1 x 30 t
Max. speed: 30 m/min
Max. squeeze force: 2 x 48 t
Max. opening: 2,200 mm
- A&R winch: 30 t
Wire diameter: 38 mm
Wire length: 300 m

ACCOMMODATIONS

- Total: 182 persons

HELIDECK

- Rated diameter: 19.5 m
- Max. helicopter weight: 12 t
- Suitable for helicopter type:
Super Puma AS332L2e

The Castoro 12 provides a safe, reliable and stable operating platform capable of laying subsea pipelines up to 40 inches in diameter, with additional facilities for offshore construction works and flotel capability.

DID YOU KNOW?

THE CASTORO 12 HAS
A STINGER WITH A HINGED
STRUCTURE WITH ADJUSTABLE
INCLINATION