

# CASTORO 12

NON-SELF-PROPELLED  
SHALLOW WATER PIPELAY BARGE



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## NON-SELF-PROPELLED SHALLOW WATER PIPELAY BARGE

### 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 m<sup>2</sup>
- Deck loading capacity: -675 t
- Deck cargo capacity (uniform  
distribute): 5 t/m<sup>2</sup>
- Pipes storage area: -84 m<sup>2</sup>
- 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