

CASTORO 10

TRENCH / PIPELAY BARGE





CLASSIFICATION

RINA Class: C pontoon – crane;
special service – pipe laying unit;
special navigation
RINA Number: 82960

PRINCIPAL DIMENSIONS & CAPACITIES

Length overall (LOA) including
stinger: 164.6 m
Length overall (LOA) including
truss: 139.1 m
Length between perpendiculars: 112.8 m
Breadth overall: 36.6 m
Depth overall: 9,1 m
Lightship draught (mean): 2.84 m
Lightship displacement: 10,875 t
Operating draught (typical): 5,200 m
Displacement on maximum
draught: 21,638 t
Deadweight on maximum
draught: 10,763 t
Gross tonnage: 10,487 t
Net tonnage: 3,146 t
Max. deck space: 1,000 m²
Max deck load: 3,600 t

MOORING SYSTEM

Anchors: 9 x 7 t Delta Flipper
Winches: 8 x Intercon 74 - 170
(max pull: 50 t)
1 x PH (max pull: 70 t)
Wire capacity: 1,800 m of 58 mm

PIPELAY EQUIPMENT

Fully enclosed production line for a 60"
max. pipe diameter
Tensioners two track type @ 90 tonnes
A&R winch minimum 200 t @ 30 m/min
Fully Automated Welding System SWS
and Passo
Main line Fully enclosed production line
Line-up system two multi directional rollers
Bevelling facilities two stations @ 44kW
NDT stations two X-ray weld test stations

Field joint stationsmarine mastic
or foam injection

TRENCHING/JETTING EQUIPMENT

Length: 11.8 m
Width: 12 m
Height: 8.5 m
Weight: 110 t
Max. pipe diameter: 60"
Max. trench depth: 6 m
Max. operating depth: 300 m
Jet pumps: 8 Union MQF 9 stage
Output: 2,000 gpm x 2,150 psi

POWER GENERATION

Main generators: five @ 800 kW
Deck generetors: two @ 1,450 kW each

LIFTING EQUIPMENT

Forward deck crane Manitowoc:
999 W Series 2
Boom length: 45.2 m
Max capacity: 72 t
Aft deck crane Manitowoc:
4100 W Series 2
Boom length: 42.7 m
Max capacity: 66 t
Aft STBD Crane Palfinger
PTM 1700A 15 t
Max outreach: 24 m
6 pipe davits Righini
Max capacity: 100 t each

ACCOMMODATION FACILITIES

The Castoro 10 has accommodation
for up to 200 personnel and a range
of crew recreation facilities