

# 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 m<sup>2</sup>  
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