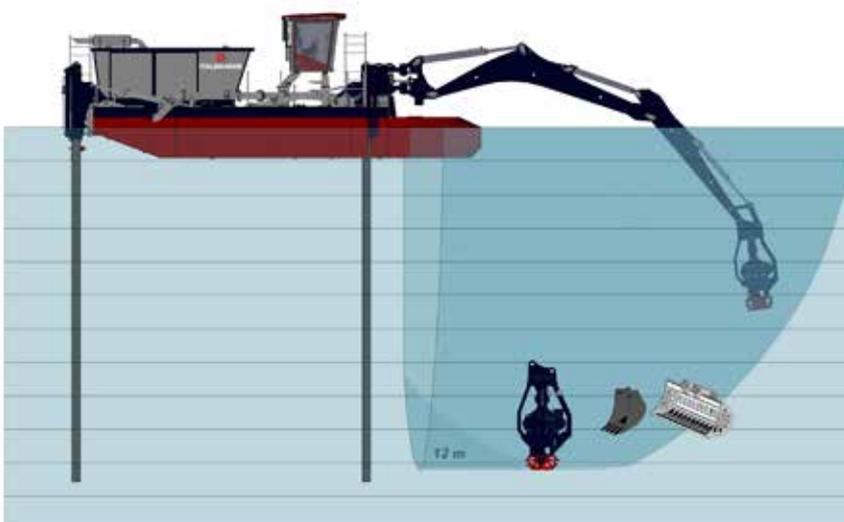


# Multifunctional Amphibious Dredger

## Octopus 90



Italdraghe, based on the pluriannual experience of cutter suction dredger production, has developed the multifunctional amphibious dredger in order to perform all shallow water work from dry ground to water and marshy/muddy soils. This dredger is specifically designed for multi purposes work with only one machine – water work, for working from the land side, suction dredging, excavating, raking and pile-driving.



### **VERSATILITY**

Italdraghe differentiates from other players in the market for its flexibility given by custom made dredgers designed in order to satisfy specific customer needs.

### **QUALITY**

Italdraghe masters the production of high-quality dredgers thanks to a deep know-how and expertise of the dredging industry developed over a more than 60 years' experience in the sector.

### **EFFICIENCY**

Thanks to its exceptional pumping rate, low maintenance costs and low cost per cubic meter, Italdraghe can offer its clients highly efficient dredgers.

## MAIN DIMENSIONS

Length	18,50 m
Overall width	9,00 m
Max transport width	4,00 m
Side pontoons transport width	2,50 m
Maximum standard dredging depth	12 m
Average draught, approx	0,90 m
Suction diameter	762 mm
Delivery diameter	762 mm

## DIESEL ENGINE

Caterpillar	3512
Continuous power at rpm	1174 KW @ 1800 rpm
Water cooled by radiator	

## CUTTER HEAD

Cutter power	100 KW
Cutter pump power	150 KW

## HYDRAULIC SYSTEM

Pump for dredging arm and stabilizers	
Pump for auxiliary pump, propulsion and cutter	

## STABILIZERS

Two liftable stabilizers at the bow	
Depth	10 m
Two liftable stabilizers at the stern	
Depth	10 m

## DREDGING ARM

Swinging angle	180°
Digging depth	12 m

## ON BOARD DREDGING PUMP

SGT type	
Max capacity	10.100 m <sup>3</sup> /h
Suction pipe diameter	762 mm
Discharge pipe diameter	762 mm

## CONTROL CABIN

Engine and hydraulic system control instruments panel	
Seat with arms joystick control	
360° degree visibility	
Electrical panel	24 Volts

## PROPULSION

2 hydraulic azimuthal rudder propellers	
Power	75 KW each
Hydraulic depth and trim regulation	

## MAIN CHARACTERISTICS

- Easy to operate by a single person from the control cabin
- Dismountable and transportable by road, rail or sea
- Environmental friendly dredge
- Low cost per cubic meter
- Low maintenance costs
- Exceptional rate of pumping power
- Highly efficient in terms of fuel consumption
- Control cabin placed on dampers to improve comfort and reduce noise
- Wide variety of complementary equipment are available (pipelines, boosters, etc.)
- Spare parts available from stock
- Lifetime technical support from the company

## ADDITIONAL FEATURES

- Rainbow lance
- GPS
- Echo sounder
- Cutter rake bucket for cutting and harvesting vegetation
- Bucket for excavation work
- Clamshell bucket
- RINA Class C ✱ HULL DREDGER