

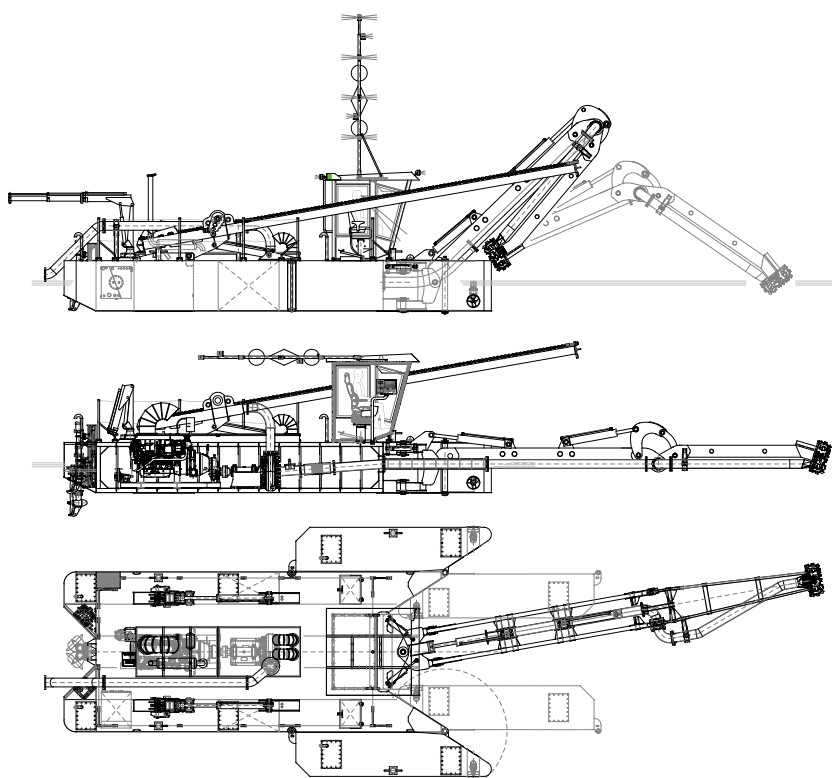
Marina Master

SF 162

ITALDRAGHE
DREDGING AND PUMPING SOLUTIONS



Italdraghe has developed and designed the marina master dredger in order to allow to operate under floating docks and floating piers where a different type of dredger would not be able to operate due to limited manoeuvrability chances.



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 at waterline during navigation	14,20 m
Transport width	4,20 m
Width at work	6,24 m
Construction height	1,30 m
Draught	0,70 m (approx)
Max dredging depth	9,00 m (approx)
Max production in mixture	750 m ³ /h

DIESEL ENGINE

Continuous power	280 kW @ 2.000 rpm
Displacement	8,7 liters
Fuel capacity	1.500 liters
Water - cooled by box cooler	

DREDGING PUMP

RPV - PD 180	
Combined pump block with reduction gear	
Suction and delivery diameter	200 mm

CUTTER

Type Italdraghe D800	
Power	25 kW @ 0-35 rpm
Diameter	800 mm

PROPULSION

Rudder propeller - Italdraghe GPI - Hydraulic type	
Power	75 kW
2 Bow thrusters - Italdraghe GTI - Hydraulic type	
Power	30 kW (each)

LADDER

Swinging type with 2 joints	
Swing angle	40° + 40°
Rotation through joint	230°

SPUDS

Tilting type for advancements during working phase	
Fully tilting for facilitating transfers	
Length	11,20 m

ELECTRICAL INSTALLATION

Alternator driven by diesel engine	
Voltage	24 Volts
Battery capacity	2 x 180 Ah

CLASSIFICATION

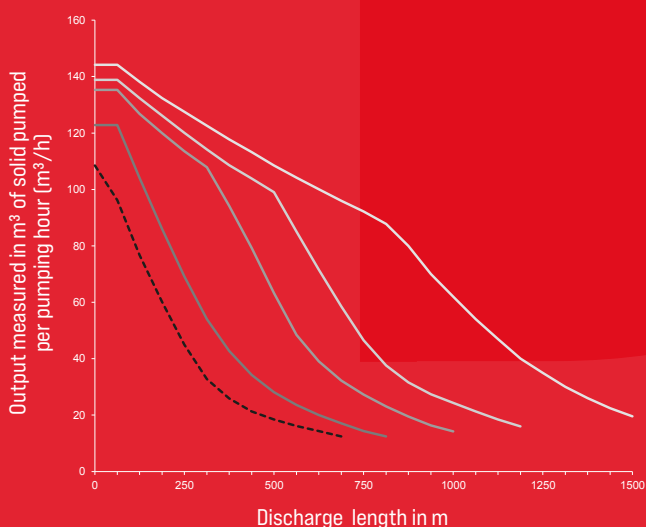
Bureau Veritas Class I, ★ Hull • MACH Dredger - coastal area
 RINA Class C ★ Hull Dredger

MAIN CHARACTERISTICS

- Designed in order to have maximum manoeuvrability within marinas and tight spaces
- Characterized by compact shape that enables the dredger to work in tight spaces where other dredgers could not
- Able to clean under floating pontoons without having to remove them
- Tilting spuds system guaranteeing stability and manoeuvrability
- Self-propelled to travel between dredging sites
- Equipped with 2 bow thrusters and a rudder propeller that enable the dredger any movement in the four directions
- Exceptional dredging capability
- Powerful, hard wearing dredge pump
- Unique sponsons that open to allow wide dredging arc
- Travel as one single already-assembled unit on a truck

ADDITIONAL FEATURES

- Swivel bend
- Positioning system
- Air conditioning
- Wide range of services and optional equipment available – pipelines and boosters
- In loco operators' training



CURVE	MATERIAL TYPE	GRAIN SIZE	SPECIFIC DENSITY
—	Fine sand	0,10 mm	1,90 t/m ³
—	Medium sand	0,24 mm	1,95 t/m ³
—	Coarse sand	0,44 mm	2,00 t/m ³
—	Coarse sand + gravel	1,30 mm	2,10 t/m ³
- - -	Gravel	7,00 mm	2,20 t/m ³

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