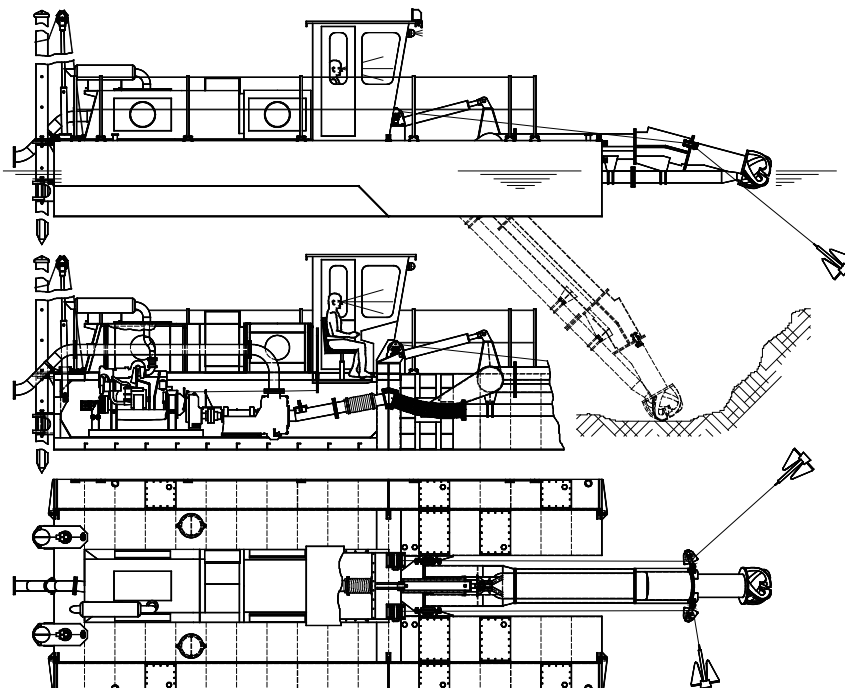


Cutter Suction Dredger

SGT 150



Italdraghe is specialized in manufacturing cutter suction dredgers, dredging systems with deep water submersible pumps, floating and onshore booster stations.



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

Overall length, ladder raised	12,50 m
Length over pontoons	9,00 m
Overall width	3,50 m
Main pontoon	9x2,50x1,25 m
Side pontoons	9x0,50x1,25 m
Standard dredging depth	5,00 m
Average draught, approx	0,75 m
Suction diameter	180 mm
Delivery diameter	150 mm

DIESEL ENGINE

FPT N67	
Continuous power at rpm	132 kw @ 2500 rpm

DREDGING PUMP

PD150	
Combined pump block reduction gear type	

CUTTER

Type italdraghe D600	
Power	15 kw
Speed	0-35 rpm
Diameter	650 mm

SWING WINCHES

Swing winches	
First layer pull line speed	1 ton
Wire diameter	12 mm
Wire length	50 m
Anchor weight	100 kg
All winches have independent hydraulic motors	

HYDRAULIC JACK

Used for ladder lifting	
-------------------------	--

SPUDS

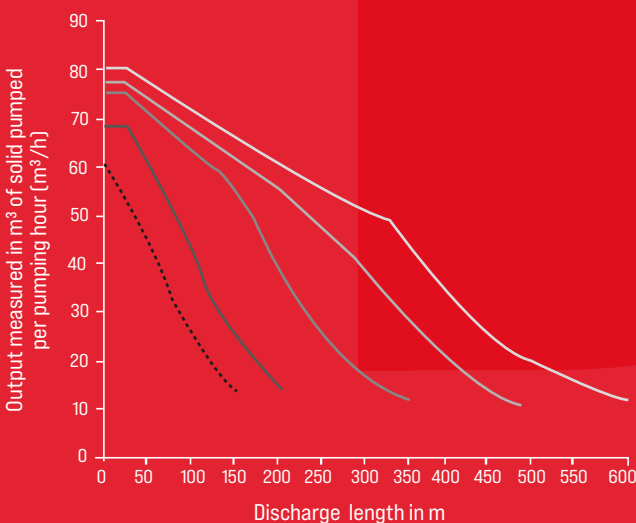
Hydraulically operated jacks	
Diameter	194 mm
Length, approx	7 m
Weight	550 kg

ELECTRICAL INSTALLATION

Alternator driven by diesel engine	
Voltage	24 volt
Battery capacity	180 Ah

CLASSIFICATION

Bureau Veritas Class I, ★ Hull • MACH Dredger - no propulsion
Coastal area



CURVE	MATERIAL TYPE	GRAIN SIZE	SPECIFIC DENSITY
— (top)	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
- - - (bottom)	Gravel	7,00 mm	2,20 t/m ³

The curves represented in the graph indicate the maximum output. Please note that to calculate the effective output, they have to be adjusted according to the type of material to be pumped and the specific working conditions.

MAIN CHARACTERISTICS

- Available custom made in order to satisfy specific customer requests
- Easy to operate by a single person from the control cabin
- Dismountable and transportable by road, rail or sea
- On site operator at delivery time for mounting and testing the dredger
- Moved by diesel or electric engine
- Environmental friendly dredge
- Low maintenance costs
- Exceptional rate of pumping power
- Highly efficient in terms of fuel consumption
- Large engine room that enables the operator to perform maintenance in security and in comfort
- Spare parts available from stock
- Lifetime technical support from the company

ADDITIONAL FEATURES

- Spud carriage installation
- Swivel bend
- Discharge and vacuum-relief valve
- Positioning system
- Increased dredging depth
- Increased discharge pipeline length/diameter
- Control cabin placed on dampers to improve comfort and reduce noise
- Air conditioning
- Wide range of services and optional equipment available – pipelines, boosters and work boats
- In loco operators' training
- Spare parts available from stock

Via Malpasso, 1389 - San Giovanni in Marignano, 47842 (RN) - Italy
tel. +39 0541 955181 - fax +39 0541 956512 - mob. +39 335 7019671

info@italdraghe.it
www.italdraghe.it

