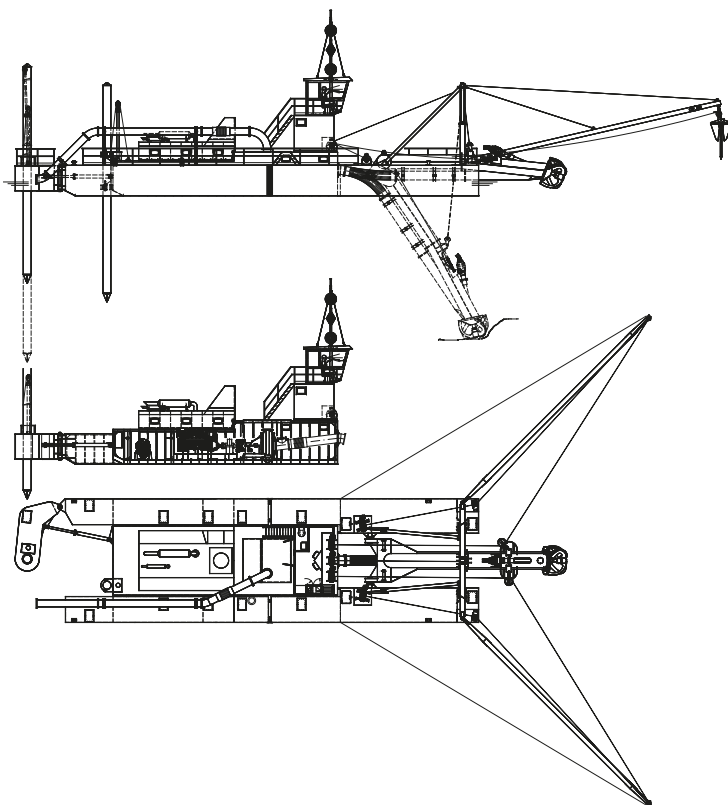


Cutter Suction Dredger

SGT 400



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 | 26,70 m |
| Length over pontoons | 18,00 m |
| Overall width | 6,16 m |
| Main pontoon | 10,50 x 2,95 x 2,50 m |
| Side pontoons | 16,40 x 1,50 x 1,50 m |
| Maximum standard dredging depth | 10 m |
| Average draught, approx | 1 m |
| Suction diameter | 400 mm |
| Delivery diameter | 400 mm |

DIESEL ENGINE

| | |
|-------------------------|-------------------|
| Caterpillar C32 | |
| Continuous power at rpm | 746 KW @ 1800 rpm |

DREDGING PUMP

Italdraghe PD 400R

CUTTER

| | |
|----------|----------|
| Power | 75 KW |
| Speed | 0-35 rpm |
| Diameter | 1450 mm |

LADDER AND SWING WINCHES

| | |
|------------------|--------|
| First layer pull | 4 ton |
| Wire diameter | 16 mm |
| Wire length | 100 mm |
| Anchor weight | 300 kg |

SPUDS

| | |
|------------------------------|----------|
| Hydraulically operated jacks | |
| Diameter | 406 mm |
| Length | 14 m |
| Weight | 2,20 ton |

ELECTRICAL INSTALLATION

| | |
|----------|---------|
| Battery | 24 Volt |
| Capacity | 220 Ah |

CLASSIFICATION

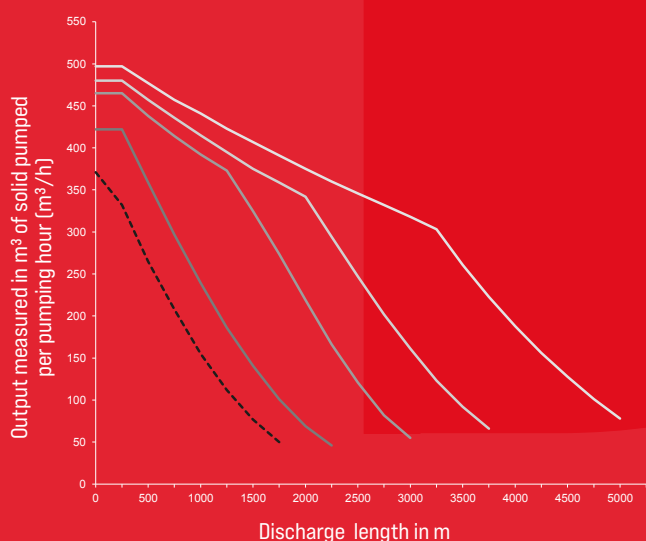
Bureau Veritas Class I, ★ Hull • MACH Dredger - no propulsion
Coastal area

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 dredger
- 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
- Control cabin placed on dampers to improve comfort and reduce noise
- Spare parts available from stock
- Lifetime technical support from the company

ADDITIONAL FEATURES

- Spud carriage installation
- Anchor booms
- Auger head
- Swivel bend
- Discharge and vacuum-relief valve
- Positioning system
- Increased dredging depth
- Increased discharge pipeline length/diameter
- Air conditioning
- Wide range of services and optional equipment available - pipelines, boosters and work boats
- In loco operators' training
- Galley



| CURVE | MATERIAL TYPE | GRAIN SIZE | SPECIFIC DENSITY |
|-------|----------------------|------------|------------------|
| — | Fine sand | 0,10 mm | 1,90 t/m³ |
| — | Medium sand | 0,24 mm | 1,95 t/m³ |
| — | Coarse sand | 0,44 mm | 2,00 t/m³ |
| — | Coarse sand + gravel | 1,30 mm | 2,10 t/m³ |
| --- | Gravel | 7,00 mm | 2,20 t/m³ |

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.

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

