### WORKING DIMENSIONS

- **Length:** 11.5 m (37 ft. 8 in.)
- **Width:** 8 m (26 ft. 3 in.)
- **Height:** 6.5 m (21 ft. 4 in.)
- **Weight:** 40 tons

### INTERNATIONAL SHIPPING DIMENSIONS

- **Shipping Method:** Four (4) containers 40'

### FLOTATION

- **Dimensions:** Two (2) pontoons 11.5 m x 1.8 m x 1.8
- **Catamaran Style**
- **Draft:** 1 – 1.2 m

### WORKING CAPACITY

- **Capacity:** 1000 m³/h – 1400 m³/h (4400 gpm – 6164 gpm)
- **Head:** 52 m – 32 m (134 ft. – 144 ft.)
- **Working Depth:** Up to 100 m (328 ft.)

### ENGINE

- **Type:** CAT or IVECO Diesel engine (470kW/630HP) (Other brands on demand)
- **Fuel Capacity:** 10,000 liters
- **Fuel Consumption:** 250 gr/kW/h
- **Power Packs can also be based on Electric motors**

### SUBMERSIBLE DREDGE PUMP

- **Type:** HY400A/B
- **Discharge:** 300 mm – 350 mm (12 in. – 14 in.)
- **Impeller Diameter:** 760 mm (2 ft. 6 in.) / 2 blades, closed
- **Max. Solid Handling:** 120 mm (4.72 in.)
- **Speed:** 750 r.p.m. - 850 r.p.m. (variable)
- **Oil requirements:** 605 l/min @ 300 bar
- **Power:** 300 kW (405HP)

### OPTION 1 - EXCAVATORS

- **Diameter:** 1000 mm (3 ft. 3 in.)
- **Replaceable Teeth:** Regular, sharp or wide head teeth
- **Drive:** Radial piston hydraulic motor
- **Oil requirements:** 35 l/min - 46 l/min - 58 l/min @ 350 bar
- **Weight:** 550 kg each
- **Speed:** 30 r.p.m – 40 r.p.m – 50 r.p.m
- **Torque:** 501 kgm – 504 kgm – 507 kgm
- **Rotation:** Both directions

### OPTION 2 - JET RING SYSTEM

- **Water capacity:** 20 m³/h – 200 m³/h
- **Pressure:** 6 bar – 7 bar
- **Drive:** Horizontal high pressure pump

### PROPULSION

- **Primary System:** Four (4) 50 m steel Winches (available up to 211 m)
- **Secondary System:** Helix Propeller (OPTIONAL)

### ELECTRICAL SYSTEM

- **Voltage:** On request
- **Alternator Output:** 24 V

### SAFETY FEATURES

- **Includes:** 2 fire extinguishers, hand rail, folding cabin door, warning horn, life rings, life jackets, locking power unit.

### ANTI-CORROSION FEATURES

- **Includes:** Hull below deck painted with marine-grade epoxy. Hull above deck painted with polyurethane epoxy and remaining components coated with heavy-duty powder coating all suitable for salt-water service.

### EQUIPMENT

<table>
<thead>
<tr>
<th>BASIC</th>
<th>STANDARD</th>
<th>FULL OPTIONAL</th>
<th>HIGH DEPTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winches for moving</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Night time operating lights</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Hydraulic Hoist</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Operator Cabin</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Control Panel</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>A/C and Heating</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Digital Depth Gauge</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Dredge GPS System</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Helix Propeller</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Umbilical Hose</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sound Proof Canopy</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Spring driven Spooler (up to 15m)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Hydraulic Spooler (up to 300m)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Pressure Compensator</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>TIER3 B (OPTIONAL)</td>
<td>X</td>
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<td>X</td>
</tr>
</tbody>
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**ANTI-CORROSION PACKAGE AVAILABLE ON REQUEST (PH 2 – 12)**
THE DREDGE

Hydraulic Power Pack
- Separate oil pumps for pump and excavators
- Sound Proof Canopy
- IVECO or CAT engine
- Remote or Radio controlled
- Closed hydraulic circuit

Operator Cabin
- Complete Control panel
- Equipped with heating and air conditioning
- Operator chair
- Safety equipment
- Equipment status
- Emergency Stop controls

Winches (x4)
- For moving the dredge
- Steel cables
- Optional propeller

Floaters
- Catamaran style
- Two (2) pontoons 11.5 m x 1.8 m x 1.8 m
- Small draft

THE PUMP

Excavators
- Diameter: 1000mm
- Replaceable teeth
- Radial piston hydraulic motor
- Oil requirement: 58 l/min each
- Weight: 550kg
- Speed: 30 r.p.m. – 50 r.p.m.
- Torque: 507 kgm
- Rotates in both directions

Pump
- Capacity: 1100 m³/h – 1300 m³/h
- Head: 52m – 32m
- Discharge diameter: 300mm – 350mm
- Impeller diameter: 760mm
- Max. solid handling: 120mm
- Speed: 850 r.p.m.
- Oil requirement: 605 l/min

Jet-Ring System
- Water Capacity: 20 m³/h – 200 m³/h
- Pressure: 6 bar – 7 bar
- Drive: Horizontal high pressure pump

Via Paesa, 46048 Roverbella (MN)
Italy
www.dragflow.it
info@dragflow.it