### WORKING DIMENSIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>11.2 m (36 ft. 9 in.)</td>
</tr>
<tr>
<td>Width</td>
<td>6.6 m (21 ft. 8 in.)</td>
</tr>
<tr>
<td>Height</td>
<td>6.7 m (21 ft. 12 in.)</td>
</tr>
<tr>
<td>Weight</td>
<td>45 tons</td>
</tr>
</tbody>
</table>

### INTERNATIONAL SHIPPING DIMENSIONS

| Shipping Method | Five (5) containers 40' |

### FLOTATION

| Dimensions | Two pontoons 11.5 m x 2 m x 2 m with Central Floater |
| Draft      | 80 – 90 cm                      |

### WORKING CAPACITY

| Capacity | 200 m³/h – 700 m³/h (880 gpm – 3082 gpm) |
| Head     | 40 m – 12 m (131 ft. – 39 ft.) |
| Working Depth | Up to 7 m (23 ft.) |

### ENGINE

- **Type:** CAT or IVECO Diesel engine (175kW/235HP) (Other brands on demand)
- **Fuel Capacity:** 1.000 liters
- **Fuel Consumption:** 250 gr/kW/h

### SUBMERSIBLE DREDGE PUMP

- **Type:** HY85A/B/HC
- **Discharge Diameter:** 200 mm – 250 mm (8in. – 10 in.)
- **Impeller Diameter:** 440 mm (1 ft. 5 in.) / 3 blades, open
- **Max. Solid Handling:** 60 mm (2.36 in.) / 90 mm (3.54 in.)
- **Speed:** 980 r.p.m. / 1180 r.p.m (variable)
- **Oil requirements:** 130 l/min @ 300 bar
- **Power:** 65 kW (85HP)

### EXCAVATORS

- **Diameter:** 700 mm (2 ft. 3 in.)
- **Replaceable Teeth:** Regular, sharp or wide head teeth
- **Drive:** Radial piston hydraulic motor
- **Power:** 9 kW (11 HP)
- **Oil requirements:** 22 l/min - 29 l/min - 36 l/min @ 300 bar
- **Weight:** 500 kg each
- **Speed:** 30 r.p.m – 40 r.p.m – 50 r.p.m
- **Torque:** 311 kglm – 313 kglm – 314 kglm
- **Rotation:** Both directions

### OPTIONAL - JET RING SYSTEM

- **Water capacity:** 20 m³/h – 200 m³/h
- **Pressure:** 6 bar – 7 bar
- **Drive:** On-barge horizontal hydraulic pump

### PROPULSION

- **On land:** Lateral tracked hulls
  - Four (4) 50 m steel Winches
- **On water:** (available up to 200 m)
  - Helix Propeller (OPTIONAL)

### ELECTRICAL SYSTEM

<table>
<thead>
<tr>
<th>Voltage</th>
<th>On request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternator Output</td>
<td>24 V</td>
</tr>
</tbody>
</table>

### 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>Winches for moving</th>
<th>BASIC</th>
<th>STANDARD</th>
<th>FULL</th>
<th>OPTIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Night time operating lights</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Operator Cabin</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Control Panel</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Sound Proof Canopy</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A/C and Heating</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymer tracks</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dredge GPS System</td>
<td>X</td>
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<td></td>
</tr>
<tr>
<td>Helix Propeller</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stabilizer Spuds</td>
<td>X</td>
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<td></td>
</tr>
<tr>
<td>TIER3 B (OPTIONAL)</td>
<td></td>
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<td></td>
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<tr>
<td>TIER4 FINAL (OPTIONAL)</td>
<td></td>
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<tr>
<td>R.I.N.A. Certification (OPTIONAL)</td>
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</tbody>
</table>
THE DREDGE

**Hydraulic Power Pack**
- Separate oil pumps for pump and excavators
- Sound Proof Canopy
- IVECO, VOLVO or CAT engine
- Closed hydraulic circuit
- Completely customizable hydraulic circuit

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

**Winches (x4)**
- Used for moving and fixing the dredge
- Steel cables
- Optional propeller
- Stabilizer Spuds (x4)

**Floaters**
- Two (2) pontoons 11.2 m x 2 m x 2 m with central floater
- Small draft

**Hydraulic Arm**
- Carefully move pump around
- Depth measuring gauge
- Possibility to install other hydraulic tools

**THE PUMP**

**Excavators**
- Diameter: 700mm
- Replaceable teeth
- Radial piston hydraulic motor
- Oil requirement: 35 l/min each
- Weight: 500kg
- Speed: 30 r.p.m. – 50 r.p.m.
- Torque: 314 kgm
- Rotates in both directions

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

**Pump**
- Capacity: 350 m³/h – 800 m³/h
- Head: 35m
- Discharge diameter: 200mm – 250mm
- Suction diameter: 548mm
- Impeller diameter: 440mm
- Max. solid handling: 60mm
- Speed: 1180 r.p.m.
- Oil requirement: 130 l/min

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