### DRAGFLOW MODEL DRM85/160E22

#### WORKING DIMENSIONS
- **Length:** 11.2 m (36 ft. 9 in.)
- **Width:** 6.6 m (21 ft. 8 in.)
- **Height:** 6.7 m (21 ft. 12 in.)
- **Weight:** 55 tons

#### 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 – 800 m³/h (880 gpm – 3522 gpm)
- **Head:** 58 m – 25 m (190 ft. – 82 ft.)
- **Working Depth:** Up to 7 m (23 ft.)

#### ENGINE
- **Type:** CAT or IVECO Diesel engine (260kW/348HP) (Other brands on demand)
- **Fuel Capacity:** 1,000 liters
- **Fuel Consumption:** 250 gr/kW/h

#### SUBMERSIBLE DREDGE PUMP
- **Type:** HY85/160A/B/HC
- **Discharge:** 200 mm – 250 mm (8in. – 10 in.)
- **Impeller Diameter:** 440 mm (1 ft. 5 in.) / 3 blades, closed
- **Max. Solid Handling:** 60 mm (2.36 in.) / 90 mm (3.54 in.)
- **Handling:** 980 r.p.m. / 1450 r.p.m (variable)
- **Oil requirements:** 240 l/min @ 300 bar
- **Power:** 120 kW (165HP)

#### 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 kgm – 313 kgm – 314 kgm
- **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
- **On water:**
  - Four (4) 50 m steel Winches (available up to 200 m)
  - 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
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### ISO 9001 Quality Management
**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

**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

**Pump**
- Capacity: 200 m³/h – 800 m³/h
- Head: 58 m – 25 m
- Discharge diameter: 200mm – 250mm
- Suction diameter: 548mm
- Impeller diameter: 440mm
- Max. solid handling: 60mm – 90 mm
- Speed: 1450 r.p.m.
- Oil requirement: 240 l/min

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

**THE PUMP**