

DRP60

DRAGFLOW
ULTIMATE EFFICIENCY



DRP60 is a portable remote-controlled dredge that can be equipped with different models of electric dredging pumps: **EL60** or **EL60HC**.

This dredge is **versatile, easy to use and very safe**: it can be operated through a remote control. No need of operators onboard!

The main applications are cleaning of **industrial and mining ponds** and **maintenance dredging** in harbors.

MAIN FEATURES

- ➔ Small dimensions: easy to transport and to assembly, can be used also in very small basins and harbors.
- ➔ Highly customizable: can be equipped with GPS, cameras, position lights, jet system and more.
- ➔ Thanks to its small draft this dredge can work in shallow waters.

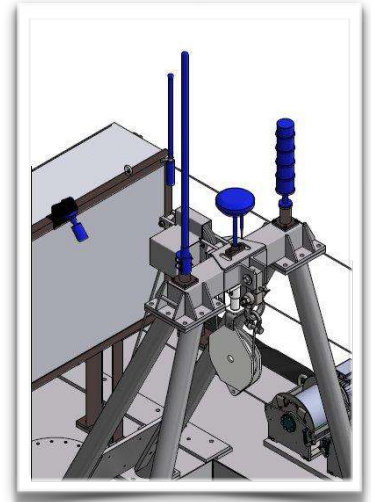
THE DREDGE

Jet Ring

- On-board horizontal, high pressure water pump
- Suction and Discharge hoses included
- Water flow: 60m³/h
- Pressure: 6 bar - 7 bar

Electric control panel

- Complete control panel
- Connection for Power cable
- Regulates pump start-up with soft starter
- Distributes Power to all components on the dredge

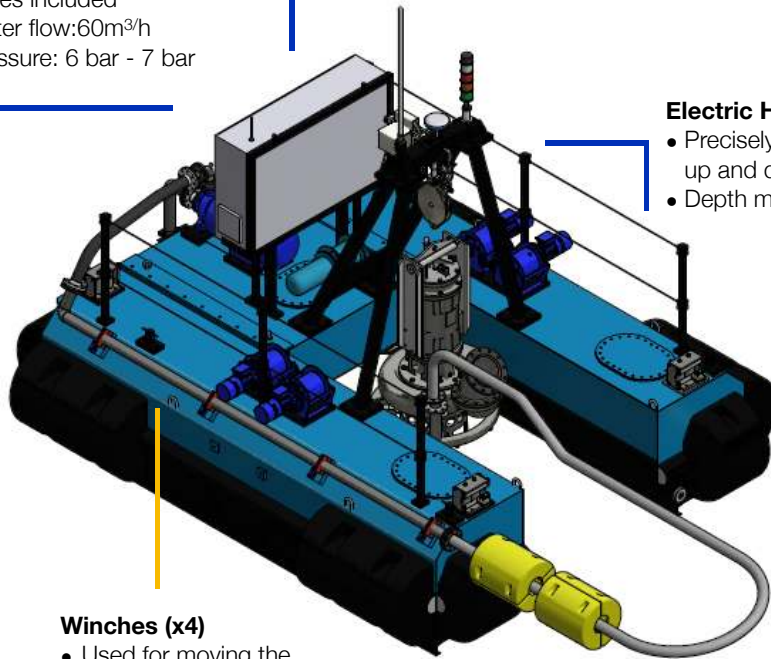


Electric Hoist

- Precisely moves pump up and down
- Depth measuring pulley

Electronic control equipment

- Light tower
- Antenna for long distance remote control signal
- GPS
- Security camera
- Echo sounder



Winches (x4)

- Used for moving the dredge
- Steel cables
- Optional propeller

Floater

- Two (2) pontoons 4,5 m x 1 m x 1,25 m with 1,8 x 1,8 m central platform
- Small draft



Cooling Jacket System

For cooling pump's electric motor

Remote Control

- Turns pump and jet system ON/OFF
- Moves pump and dredge
- Emergency stop
- Display with working depth and power consumption

JET RING SYSTEM



Jet ring system

High pressure water jets used to break the material and provide a higher solid concentration in the mixture

- **Water capacity:** 60m³/h
- **Pressure:** 6 bar - 7 bar
- **Drive:** Horizontal high pressure pump



SET UP



ONE DREDGE FOR MANY PURPOSES

Have you ever thought that, **with only one dredge, you could do different jobs?**

Our **DRP60** can be equipped with two different electric dredging pumps: **EL60** and **EL60HC** depending on flow and head requirements.

With the **EL60**, you can work with a **very long delivery distance**

On the other hand, with **EL60HC** you can count on **high capacity for increased solid production.**

One dredge, many purposes, but always with the **DRAGFLOW trademark**: efficiency and toughness!

EL60

EL60HC

Max capacity: 550 m³/h
Max head: 30 m
Discharge diameter (DN): 150/200mm
Max solid handling: 60

Power [kW-HP]: 44-60
Voltage [V]/Current [A]: 400/88
Phases/Poles/Frequency: 3/6/50 (also 60Hz version available)

MATERIALS

Casing Spheroidal cast iron EN-GJS-500-7 (EN 1563)

Motor housing Cast iron EN-GJL-250 (EN 1561)

Wear parts High chrome EN-GJN-HV600 (XCr18) (EN 12513)

Max capacity: 800 m³/h
Max head: 18 m
Discharge diameter (DN): 250
Max solid handling: 90

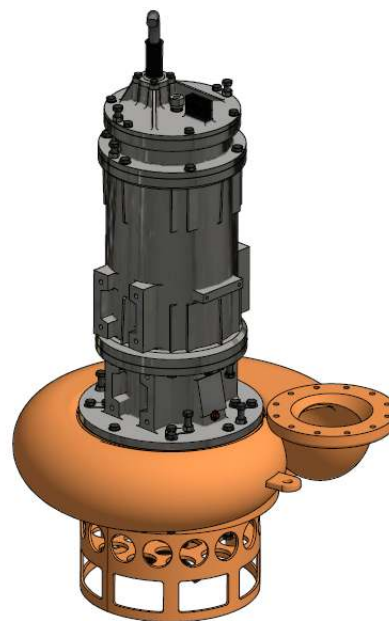
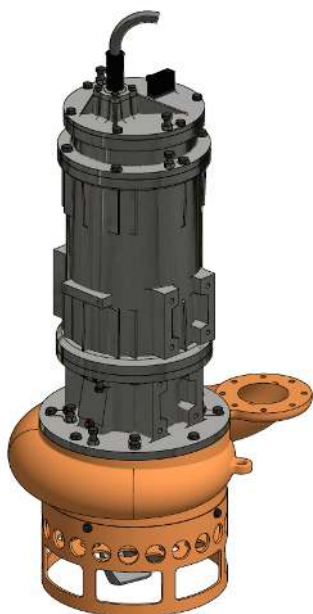
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LONG DISTANCE

HIGH CAPACITY

HULL MAIN FEATURES

Overall dimensions	<i>Length</i>	5,3 m (17 ft)
	<i>Width</i>	4,3 m (14 ft)
	<i>Height</i>	4 m (13 ft..)
Weight	5,7 ton	
Draft	50-60 cm	

FLOTATION

Dimensions	Two (2) pontoons 4,5 m x 1 m x 1,2 m With central platform.
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PROPULSION

Primary System

Four (4) 50 m steel winches (available up to 110 m)

Secondary System

Helix propeller (optional)

TRANSPORTATION - ASSEMBLY

Transportable in two container 40' open-top
Assembly operations takes as short as 6-8 hours

WORKING CAPACITY

EL60

CAPACITY [m³/h-(gpm)]: 150 (660)-500(2200)

HEAD [m (ft)] 28(92)-25(82)

DISCHARGE DIAMETER: DN150

MAX SOLID HANDLING: 60 mm

EL60HC

CAPACITY [m³/h-(gpm)]: 300 (1320)-450 (2640)

HEAD [m (ft)] 16(53)-9(39)

DISCHARGE DIAMETER: DN250

MAX SOLID HANDLING: 90 mm

For details of the S and SS versions, please refer to the pumps data sheets

POWER SOURCE

Type

On-shore Electric Power Generator

Minimum required power

265 KWA

CERTIFICATIONS



EQUIPMENT	STANDARD	FULL OPTIONAL
Winches for moving	X	X
Night time operating lights	X	X
Electric Hoist	X	X
Control Panel	X	X
Digital Depth Gauge	X	X
Power Consumption	X	X
Temperature Sensor		X
Operator Cabin		X
Dredge GPS System		X
Pond Bottom Liner Protection		X
Helix Propeller		X
Jet-Ring System		X
Security camera		X