

Seawaves DOP Submersible Pump Dredgers



EXECUTIVE SUMMARY



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Following the success of the SEAWAVES DOP submersible pump and various dredgers around this versatile tool, SEAWAVES has developed a new DOP submersible pump dredgers for new times.

Our standardized dredgers can be adapted easily to almost any situation.

Alterations are simple. pontoons and ladder extensions can be added. A cutter unit for packed sand or a sand production head for free flowing sand can be exchanged effortlessly.



Seawaves DOP 350 XL for Deep Dredging -31 m soils. `



PICTURE OF SIMILAR VESSEL

GENERAL

Basic functions Capital mining and maintenance dredging

DREDGING FEATURES

Max. dredging depth -31m
Max. mixture capacity 3.600 m³/h
Max. total head 3.2 bar

DREDGE INSTALLATION

Dredge pump type BP3530LD
Max. power at pump shaft 240 kW
Cutter type Crown model (with serrated edge)
Cutter power 47 kW
Cutter diameter 1030 mm

HYDRAULIC POWER PACK

Hydraulic flow max. 738 L/min
Hydraulic pressure max. 275 bar
Hydraulic installation Driving DOP350L, cutter and winches

PRINCIPAL DIMENSIONS

Length o.a. 46.30 m
Beam o.a. 7.50 m
Depth 1.80 m
Draught 1.30 m
Air draught 5.90 m

TANK CAPACITIES

Fuel oil approx. 5.00 m³

DECK MACHINERY

Hoisting winch Hydraulic, 80 kN, 0-15 m/min
Maneuvering winches (4x) Hydraulic, 50 kN, 0-15 m/min

INSTRUMENTATION

Dredging depth indicator
Vacuum and pressure indication of dredge pump

REMARKABLE FEATURES

Dismountable design which allows transport by road
Spacious ergonomic designed control cabin
One operator can control the entire dredger from the control cabin
Transportable in standard Open Top Containers

APPLICATIONS / AREAS OF OPERATION

Typical applications

Sand mining

Maintenance dredging

Mineral mining

Typical areas of operation

Harbours

Rivers

Lakes

Hydropower dams

Water reservoirs Sheltered waters

Remote areas



4 CONFIGURATIONS



4 SIZES

4 CONFIGURATIONS TO CHOSE FROM



Seawaves DOP 200

| | |
|-----------------------------|-----|
| Max mixture capacity (m3/h) | 800 |
| Total installed power (kW) | 317 |
| Max dredging depth (m) | 100 |
| Pipe diameter (mm) | 200 |
| Jet Water capacity (m3/h) | 180 |

Seawaves DOP 250

| | |
|-----------------------------|------|
| Max mixture capacity (m3/h) | 1250 |
| Total installed power (kW) | 403 |
| Max dredging depth (m) | 15 |
| Pipe diameter (mm) | 250 |
| Cutter power (kW) | 28 |

Seawaves DOP 350 L

| | |
|-----------------------------|------|
| Max mixture capacity (m3/h) | 2400 |
| Total installed power (kW) | 565 |
| Max dredging depth (m) | 20 |
| Pipe diameter (mm) | 350 |
| Cutter power (kW) | 47 |

Seawaves DOP 350 XL

| | |
|-----------------------------|------|
| Max mixture capacity (m3/h) | 2400 |
| Total installed power (kW) | 565 |
| Max dredging depth (m) | 31 |
| Pipe diameter (mm) | 350 |
| Cutter power (kW) | 47 |