



# DOP DREDGER 150

## PICTURE OF SIMILAR VESSEL

### GENERAL

|                 |   |
|-----------------|---|
| Type            | DD 150                                  |
| Basic functions | Capital mining and maintenance dredging |

### DREDGING FEATURES

|                       |                       |
|-----------------------|-----------------------|
| Max. dredging depth   | -29m                  |
| Max. mixture capacity | 600 m <sup>3</sup> /h |
| Max. total head       | 5.0 bar               |

### DREDGE INSTALLATION

|                                 |                                  |
|---------------------------------|----------------------------------|
| Dredge pump type                | BP1515                           |
| Max. power at pump shaft        | 80 kW                            |
| Diameter suction/discharge pipe | 150 mm                           |
| Spherical passage pump          | 77 mm                            |
| Cutter type                     | Crown model (with serrated edge) |
| Cutter power                    | 13 kW                            |
| Cutter diameter                 | 600 mm                           |

### HYDRAULIC POWER PACK

|                         |                                    |
|-------------------------|------------------------------------|
| Hydraulic flow max.     | 252 L/min                          |
| Hydraulic pressure max. | 275 bar                            |
| Hydraulic installation  | Driving DOP150, cutter and winches |

### PRINCIPAL DIMENSIONS

|                      |         |
|----------------------|---------|
| Length o.a.          | 44.20 m |
| Length over pontoons | 36.90 m |
| Beam o.a.            | 7.35 m  |
| Depth                | 1.80 m  |
| Draught              | 1.30 m  |
| Air draught          | 5.90 m  |
| Total weight         | 71 tons |

### TANK CAPACITIES

|                  |                     |
|------------------|---------------------|
| Fuel oil approx. | 5.00 m <sup>3</sup> |
|------------------|---------------------|

### DECK MACHINERY

|                          |                              |
|--------------------------|------------------------------|
| Hoisting winch           | Hydraulic, 40 kN, 0-25 m/min |
| Maneuvering winches (4x) | Hydraulic, 20 kN, 0-25 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

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