

DCN Deepwater Air Lift Dredger



1 INTRODUCTION

DCN Airlift Suction dredger is a portable dredger designed to be transported by road. The Airlift consist of 2 pipes to create a telescopic suction pipe to work in areas with fluctuating waterlevels. The Dredger is completely electrical driven from a central control unit.

2 TECHNICAL SPECIFICATIONS

Dimensions (LxWxH)	75.60 x 17.06 x 6.85 m
4 Point mooring system	4x15 ton winches
Dredge depth (max.)	75 meters
Dredge depth (min.)	38 meters
Dredge capacity (depending on material)	800 m ³ /hr
Air compressor power (Electric)	150 KW
Air compressor flow	11,1 m ³ /min @ 7 bar

3 EQUIPMENT SUMMARY

Airlift dredger system consisting of:

- ✓ Modular pontoon units;
- ✓ Control cabin
- ✓ Airlift;
- ✓ Jet water pump;
- ✓ Airlift winch;
- ✓ Compressor;
- ✓ Vibrating strainer screen (rock/ debris separator)
- ✓ Conveyor belt and booster pump (dredge slump), completed by railing;
- ✓ Floating discharge pipeline, and dump barge;
- ✓ Floating electrical power support cable.

