The IHC Beaver® 65 DDSP is reliable, fuel-efficient, has low maintenance costs and high-productivity levels at all dredging depths. This robust dredger is equipped with state-of-the-art technology. The key features include:

- low cost per cubic metre
- a diesel directly driven submerged pump (DDSP) that makes it possible to dredge at high-mixture densities
- the Curve® impeller that combines high efficiency with excellent suction performance and low-energy consumption
- first class ergonomics and diagnostics
- wear-resistant parts for the dredge pump
- class certification (BV Coastal area)
- integrated spud carriage installation.

Reliable and efficient
The IHC Beaver® is well known for its robust construction, reliable operation and excellent performance. To date, Royal IHC (IHC) has supplied more than 800 of these standard cutter suction dredgers worldwide.

Transportable and deliverable from stock
IHC Beaver® dredgers can be dismantled for transport via road, rail or sea. A wide range of optional equipment is available, as well as complementary auxiliary equipment, such as work boats and discharge pipelines. These vessels are mostly delivered from stock.

Service and support
IHC can provide a complete package of spare parts, maintenance support, equipment training programmes, dredging advisory services and dredge operators for hands-on instruction and commissioning.

Main parameters
- Dredging depth: 18.0m (larger depth optional)
- Discharge diameter: 650mm (larger diameters optional)
- Total power: 2,819kW
IHC Beaver® 65 DDSP Cutter suction dredger

**Dimensions**
- Length overall (ladder raised), approx.: 58.0m
- Length over pontoons: 43.50m
- Breadth: 12.44m
- Depth: 2.97m
- Side pontoons: 43.50 x 4.67 x 2.97m
- Mean draught with full bunkers: 1.95m
- Maximum standard dredging depth: 18.0m
- Suction pipe diameter: 650mm
- Discharge pipe diameter: 650mm
- Total installed power: 2,819kW
- Swing width with 35° swing each side:
  - At maximum dredging depth: 48.5m
  - At minimum dredging depth: 59.5m

**Spud hoisting cylinders**
- Force: 798kN
- Spud stroke (each time): 3.75m

**Deck crane**
- Lifting power: 40kN
- Outreach: 5.10m

**Classification**
- Bureau Veritas Class I, • HULL • MACH Dredger - no propulsion
- Coastal area

**Spud hoisting cylinders**
- For):
- Spud stroke (each time): 3.75m

**Optional extra’s**
- Anchor booms
- IHC Spud Guard®
- Swivel bend
- Discharge valve and vacuum-relief valve
- Lancelot® cutterhead (special multi-blade)
- Production measurement, automation and positioning system
- Operator Assist System for online monitoring
- Increased discharge pipeline diameter
- Increased dredging depth
- Life-cycle support packages (including training, technical support etc.)
- Accommodation
- Optional packages: comfort (including air conditioning); HSE (health, safety and environment); nautical; and inventory plus.

**Output calculated for:**

**Soil type**
- **A** Fine sand: 100μm, 1,900kg/m³
- **B** Medium sand: 235μm, 1,950kg/m³
- **C** Coarse sand: 440μm, 2,000kg/m³
- **D** Coarse sand and gravel: 1.3mm, 2,100kg/m³
- **E** Gravel: 7mm, 2,200kg/m³

**Note**
- Calculated output curves indicate pumping capacity, based on the maximum available power on the pump shaft. When used for estimation actual outputs, the nature of the material to be dredged and local job conditions must be considered. Please consult IHC for dredging conditions outside these curves.

---

All rights reserved. Reproduction in whole or part is not allowed, without prior permission in writing from IHC Merwede Holding BV.