



IHC Beagle® 8



IHC Beagle

More than 150 years ago Charles Darwin joined the expedition of HMS Beagle. Its five-year voyage took him all over the world, enabling him to develop the scientific foundations for his most famous work: On the Origin of Species. His new way of thinking deeply influenced the way humans considered their origins. While Darwin was the first to comprehensively conceive evolution as the way species develop, more than a century of evolution in dredging preceded the conception of Royal IHC's newest product: the IHC Beagle®, a standardised trailing suction hopper dredger.

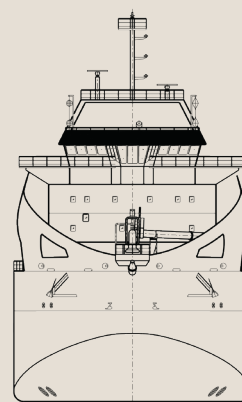
Royal IHC (IHC) products are well known for their cost effective designs, robust construction, reliable operation and excellent performance. The IHC product range stretches from the standard IHC Beaver® cutter suction dredgers to the largest custom-built trailing suction hopper dredgers.

Features and benefits:

- IHC Merwede hull shape with bulbous bow resulting in a low resistance
- compact vessel with high deadweight carrying capacity
- IHC Merwede high efficiency dredge pumps
- optimal manoeuvrability with 2 steerable thrusters
- Intuitive Hopper Control Chair (IHCC)
- training included (class room, simulator & on the job)
- IHC Merwede Planned Maintenance System (IPMS)
- spare parts start-up kit.

The IHC Beagle® 8 is a standard trailing suction hopper dredger with a capacity of 8,000 cubic meters and is equipped with two suction tubes. The maximum dredging depth is 26m. The compact robust design combined with efficient use of installed diesel engine power results in an unrivalled low cost per cubic meter of dredged material.

The basic version is well suited for maintenance dredging. Adding options like a bow coupling and make it applicable for land reclamation purpose. These options can be added during new-building or in later stage, when the dredge is already operational. This modular approach makes the IHC Beagle® 8 a very versatile piece of dredging equipment.





IHC Beagle® 8

Dimensions

Length overall, approx.	104.5m
Length between perpendiculars	95.2m
Breadth, moulded	24.2m
Gross tonnage, approx.	7,750
Hopper capacity	8,000m³
Accommodation (max.)	28-36 people

Draught

International mark, approx.	7.4m
Dredging mark	8.2m

Deadweight

Dredging mark	12,250 tonnes
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Dredging installation

Dredging depth (max.)	16-26m
Suction tube diameter	2x 800mm
Draghead	2x Excavating type
Dredge pumps (diesel driven)	IHC High Efficiency type

Power and speed

Main diesel engines	2x 3,500kW
Jet pump power (electric)	2x 600kW
Total installed power	7,800kW
Loaded speed	13,7 knots

Electrical installation

Main generator	2x 1500 kVA
Auxiliary diesel generator set	2x 450 kVA
Emergency diesel generator set	1x 300 kVA

Classification

Lloyd's Register ✕ 100A1 Hopper Dredger -
Unrestricted Navigation

OR

Bureau Veritas I, ✕ Hull ✕ Mach Hopper Dredger -
Unrestricted Navigation

Optional

- service facility package incl. deck cranes, workshop, etc., consisting of a.o.: deck cranes, engine room work shop and store
- land reclamation package, consisting of a.o.: bow coupling and a self emptying pipe line
- hopper diluting facility
- degassing installation
- green passport, additional clean ship Class notation
- increased crew accommodation (total 36).

Life-cycle support

- start-up training
- IHC Merwede Planned Maintenance System (IPMS)
- spare parts start-up kit.



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