



IHC Beagle[®] 2



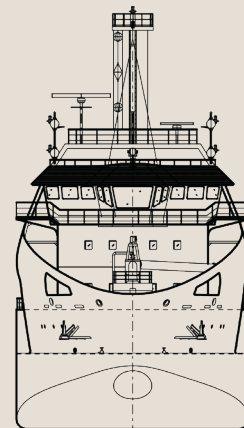
More than 150 years ago Charles Darwin joined the expedition of HMS Beagle. His five-year voyage took him all around the world, enabling him to develop the scientific foundations for his most famous work: On the Origin of Species. His new way of thinking deeply influenced the way humans considered their origins. While Darwin was the first to comprehensively conceive evolutions 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:

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

The IHC Beagle[®] 2 is a standard trailing suction hopper dredger with a capacity of 2,000 cubic meters and is equipped with a single suction tube. The dredging depth is 23m. 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 self emptying channel makes it applicable for land reclamation purpose as well. 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[®] 2 a very versatile piece of dredging equipment.



The technology innovator.



IHC Beagle® 2

Dimensions

Length overall, approx.	67.5m
Length between perpendiculars	61.6m
Breadth, moulded	15.8m
Gross tonnage, approx.	2,150
Hopper capacity	2,000m³
Accommodation	12 or 18 people

Draught

International mark, approx.	4.5m
Dredging mark	4.8m

Deadweight

Dredging mark	2,680 tonnes
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Dredging installation

Dredging depth (max.)	15 or 23m
Suction tube diameter	600mm
Draghead	Excavating type
Dredge pump(s) (diesel driven)	HRLD 105-26-60

Power and speed

Main diesel engines	2x 1,050kW
Total installed power approx.	2,300kW
Loaded speed (at T=4.8m)	10 knots

Electrical installation

Main generator	2x800kW
Auxiliary	245kW

Classification

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

OR

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

Optional

- bow thruster
- service facility package incl. deck crane, workshop, etc., consisting of a.o.: deck crane, workshop and store
- land reclamation package, consisting of a.o.: bow coupling, self emptying pipe line
- hopper diluting facility/jetwater installation
- degassing installation
- extended suction tube (23m)
- increased crew accommodation (total 18 people)
- green passport, additional clean ship Class notation.

Life-cycle support

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



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