

IHC Beagle® 4




IHC Beagle

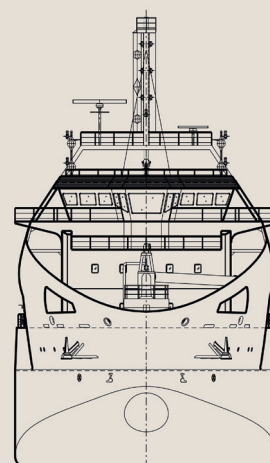
More than 150 years ago Charles Darwin joined the expedition of HMS Beagle. Its five-year voyage took him all over the world, enabling him to develop the scientific foundations for his most famous work: On the Origin of Species. His new way of thinking deeply influenced the way humans considered their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

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 pumps
- 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® 4 is a standard trailing suction hopper dredger with a capacity of 4,000 cubic meters and is equipped with a single suction tube. The maximum dredging depth is 25m. 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® 4 a very versatile piece of dredging equipment.





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Dimensions

Length overall, approx.	81.7m
Length between perpendiculars	73.6m
Breadth, moulded	19.6m
Gross tonnage approx.	3,950
Hopper capacity	4,000m³
Accommodation	up to 20 people

Draught

International mark, approx.	6.1m
Dredging mark	6.5m

Deadweight

Dredging mark	6,180 tonnes
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Dredging installation

Dredging depth (max.)	15-25m
Suction tube diameter	800mm
Draghead	Excavating type
Dredge pump(s) (diesel driven)	HRLD 140-35-80
Booster pump (diesel driven)	HRLD 123-30-70

Power and speed

Main diesel engines	2x 1,350kW
Jet pump diesel engine	710kW
Total installed power	3,750kW
Loaded speed (at T=6.5m)	11knots

Electrical installation

Propulsion generator	2x1,450kVA
Main generator	350kVA

Classification

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

OR

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

Optional

- comfort package, consisting of a.o.: capstan, bow thruster and accommodation ladder
- service facility package, consisting of a.o.: deck crane, modular deck workshops and store deck workshop and store
- hopper diluting facility/jetwater installation, including additional bottom doors and movable overflow
- land reclamation package, consisting of a.o.: bow coupling, self emptying pipe line
- additional discharge booster pump (HRLD 123-30-70) for discharging
- extended suction tube (25m)
- degassing installation
- increased crew accommodation (total 20 people) and additional walk-in coldstores
- green passport, additional clean ship Class notation.

Life-cycle support

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



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