



marine aggregates



'H' class
Arco Dijk

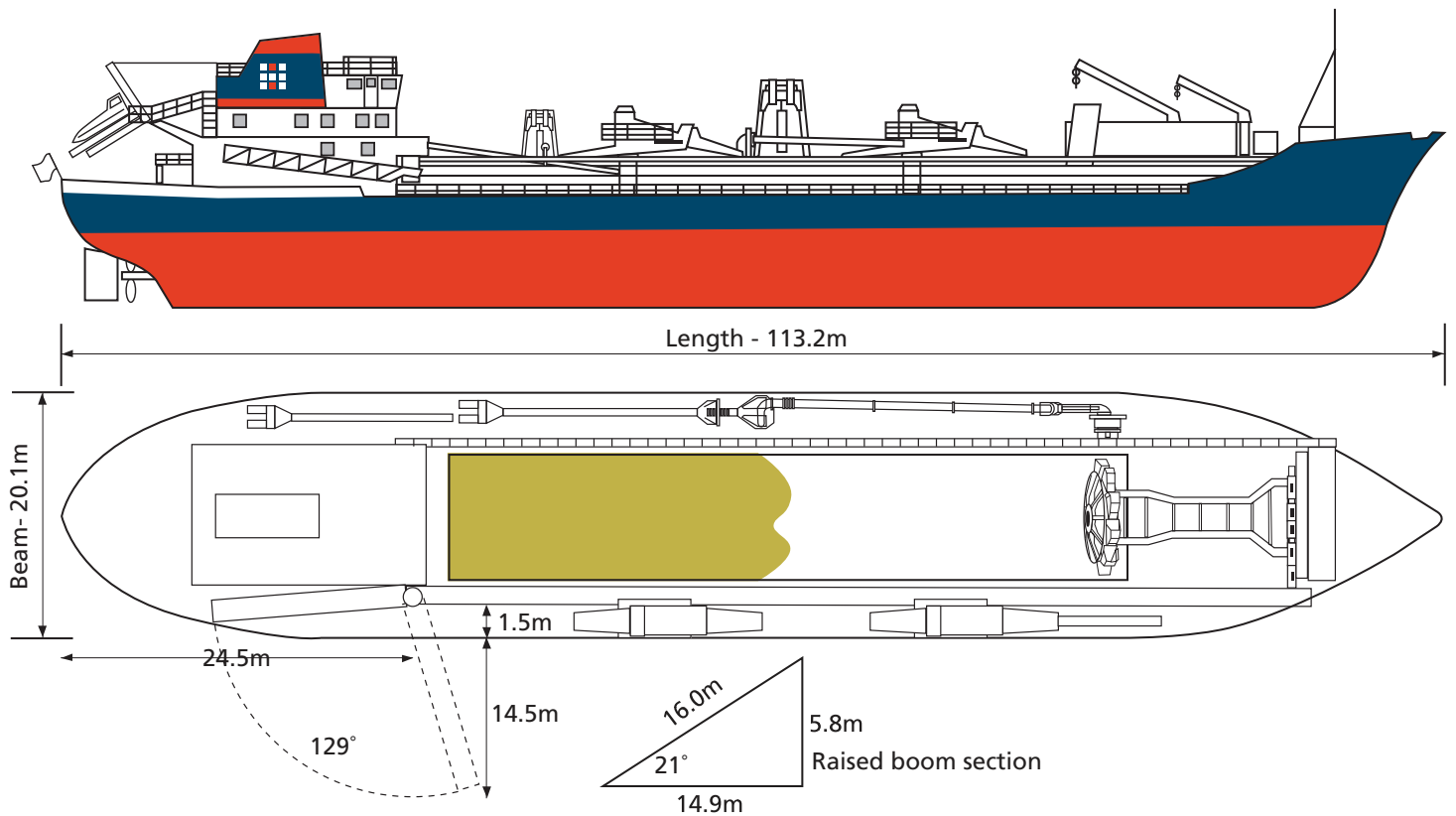
Hanson Aggregate Marine is Europe's largest producer of marine-dredged sand and gravel, supplying to a network of wharves in the UK and mainland Europe.

Hanson operates a fleet of purpose-built trailing suction hopper dredgers, which vary in size from 1,300 to 5,500 gross tonnes and are designed to

extract sand and gravel from the seabed at depths of up to 50 metres.

Cargoes are dredged from government-licensed areas 24 hours a day, 365 days a year. All vessels are fitted with self-discharging systems which can deliver dry material onto wharves at rates of 600 to 2,600 tonnes per hour.

Arco Dijk (H class) trailing suction hopper dredger



Length (m)	113.2
Beam (m)	20.1
Draught (m)	7.7
Air draught (m)	33.1
Maximum draught (m)	7.7
Minimum draught (m)	4.5
Boom distance from aft (m)	24.5
Maximum angle of boom perpendicular to ship	129°
Discharge system	Bucket wheel & conveyor
Position of boom conveyor	Starboard aft
Outreach and height of raised boom from pivot (m)	14.9/5.8
Discharge speed (tonnes/hr)	2000
Approx cargo tonnes (as dredged ballast)	8200
Approx cargo tonnes (sand)	7700

Cargo hold volume (m ³)	4794
Speed (knots)	13
GT	4960
NT	1488
DW	9945
Port of registry	Nassau Bahamas
Classification society	Bureau Veritas
Max dredging depth (m)	52.5
Type of dredge pump	Submersible
Dredge pipe diameter (mm)	700
Dredge pump capacity (tonnes/hour)	2943
Draghead type	California
Type of screening	Tower/wire mesh
Loading capability	All-in/screened BAD/ Screened sand

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