

TRAILING SUCTION HOPPER DREDGER

Rio**GENERAL DATA**

IMO Nr	8613047
Ship Yard	Chantier de Normandie - France
Year of construction	1987
Rebuilding	2005
Flag	The Netherlands
Harbour of registration	Breskens
Classification nr	BV Unrestricted navigation
Dredging within 15 miles from shore or 20 miles from port	
Call Sign	PHCL

MAIN PARTICULARS

Length o.a.	82.35 m
Length b.p.p.	77.50 m
Breadth o.a.	16.32 m
Gross tonnage	2 756 GT
Draught full summer	5.07 m
Draught full dredging	5.85 m
Draught empty	3.00 m
Speed full	10 knots
Accommodation	11 pers

CAPACITIES

Hopper	2504 m ³ 4000 tons
Fuel Oil	124 m ³
Fresh rinsing water	23 m ³

PROPULSION

Main engine	2 x CAT 3512
Output	2 x 1100 kW
Propellor	2 x Z-drive Veth
Pitch	Variable

DREDGING SYSTEM

Dredging pump	Bergeron
Suction pipe diameter	550 mm
Dredging Depth à 45°	25m
Maximum dredging depth	28 m
Dredging pump drive	Electric
Capacity	1 000 m ³ /h
Jet pump	Nijhuis
Jet pump drive	Electr.
Output	560 kW

ELECTRIC POWER

Generator set 1	2 x Baudouin 12M26 SR
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SUPPLY

Generator set 2	2 x Deutz F62 -413 FR
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UNLOADING SYSTEM

Self unloader	CAT 345 F 1600 ton/h conveyor belt 35m out of ship
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Bottom doors	Yes
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Bow connection diameter	500 mm
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MANOEUVRING

Midden & Steering Gaz	2 x Z-drive Veth
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Bow Thruster	Schottel
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Bow Thruster Drive	Electric
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Output	250 kW
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OIL RECOVERY SYSTEM

Rigid sweeping Arm	1 Koseq 12m
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