



TRAILING SUCTION HOPPER DREDGER

DC BRUGGE

GENERAL DATA

IMO nr.	7365851
Ship yard	Royal Bodewes-Hoogezand (NL)
Year of construction	1974
Rebuild	2001, 2018
Flag	The Netherlands
Harbour of registration	Breskens
Call sign	PFCE

MAIN PARTICULARS

Length o.a.	89,99 m
Length b.p.p.	84,95 m
Breadth o.a.	15,00 m
Draught	6,51 m
Gross tonnage	2 840 GT
Speed full	11 knots
Accommodation	8 pers.

CAPACITIES

Hopper	2 449 m³
Fuel oil	243 m³
Technical freshwater	160 m³
Fresh rinsing water	22 m³

DREDGING SYSTEM

Dredging pump	Damen 6055LD
Suction pipe (diameter)	600 mm
Dredging depth à 45°	30,00 m
Max. dredging depth	30,00 m
Dredging pump drive	Mitsubishi S12A2-Z3MPTAW
Capacity	5 000 m³/hr
Jet pump drive	Mitsubishi S6R-Z3MPTAW
Output	470 kW

ELECTRIC POWER SUPPLY

Generator set type 1	Sisu diesel 49.492 CTAG-4V, 232 kW, 130 kVA (2x)
Generator set type 2	John Deere 6068, 139 kW, 150 kVA
Emergency generator	Sisu 49 549, 59 kW, 119 kVA

PROPULSION

Main engine	ABC 8DZC
Output	1 766 kW
Propellor	fixed propeller 4 blade 2 500 mm

DISCHARGING SYSTEM

Discharge pump	<i>Damen 6055LD</i>
Self-unloader	<i>Hitachi ZX490LCH-7</i> (crane)
conveyor belt	<i>35,00 m</i>
Discharging dry	<i>980 ton/h</i>
Discharging wet	<i>1 650 m³/hr</i>
Bottom doors	<i>Yes</i>

MANOEUVRING

Steering gear	<i>Promac</i>
Bow thruster	<i>van Wijk</i>
Bow thruster drive	<i>Mitsubishi S6B3-T2 MPTAW HD</i>
Output	<i>448 kW</i>

OIL RECOVERY SYSTEM

Rigid sweeping arm	<i>Koseq 12 m</i>
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