



TRAILING SUCTION HOPPER DREDGER

DC ORISANT

GENERAL DATA

IMO nr.	9822475
Ship yard	Royal IHC (NL)
Year of construction	2018
Rebuild	-
Flag	The Netherlands
Harbour of registration	Goes
Call sign	PCFD

MAIN PARTICULARS

Length o.a.	142,30 m
Length b.p.p.	139,50 m
Breadth o.a.	23,00 m
Draught	7,80 m
Gross tonnage	8 865 GT
Speed full	16 knots
Accommodation	13 pers.

CAPACITIES

Hopper	5 775 m ³
Fuel oil	595 m ³
Ballast water	219 m ³
Fresh rinsing water	75 m ³

DREDGING SYSTEM

Dredging pump	IHC
Suction pipe (diameter)	1 100 mm
Dredging depth à 45°	35,00 m
Max. dredging depth	35,00 m
Dredging pump drive	2x 2 250 kW
Capacity	27 000 m ³ /hr (water)

ELECTRIC POWER SUPPLY

Generator set type 1	Mitsubishi-Alconza, 1 568 kW (5x)
Generator set type 2	Mitsubishi-Alconza, 1 343 kW
Harbour generator	Volvo penta 375 kW
Emergency generator	Volvo penta 105 kW

PROPULSION

Main engine	Electric motor Alconza
Output	1 800 kW (4x)
Propellor	fixed 4 blade Wärtsilla (2x)

DISCHARGING SYSTEM

Bow connection (diameter)	<i>600 & 1 000 mm</i>
Rainbow nozzle	<i>Yes</i>
Discharge pump	<i>IHC</i>
Self-unloader conveyor belt	<i>Bucket wheel 63,00 m</i>
Discharging dry	<i>4 000 ton/hr</i>
Discharging wet	<i>7 600 m³/hr</i>
Bottom doors	<i>Yes (hinging)</i>

MANOEUVRING

Steering gear	<i>Bruselle HSDE 200/140-2</i>
Bow thruster	<i>Veth (2x)</i>
Bow thruster drive	<i>Electric</i>
Output	<i>700 kW (2x)</i>

