

# D'ARTAGNAN



## Main Characteristics

length overall	123.80 m
length between p.p.	104.40 m
breadth moulded	25.20 m
breadth overall with barge fenders	27.68 m
depth	8.20 m
draught International Loadline	6.15 m
draught minimum	5.50 m
height above waterline	50 m
height above waterline spud tilted	32 m
dredging depth upper pivots	6 - 30 m
dredging depth lower pivots	11 - 35 m
deadweight at International Loadline	1719 tons
lightship weight	10607 tons

## General Data

type	self-propelled cutter suction dredger
flag	French
port of registry	Port aux Français
built by	IHC Holland NV Dredgers, Kinderdijk
year of construction	2005
call signal	FMGE
IMO number	9312963
nett tonnage	2391 NT
gross tonnage	7973 GT
class	Bureau Veritas Special Service / Navire de Haute Mer équipé d'un appareil dragueur à désaggrégateur Unrestricted Navigation AUT-UMS / dredging with $H_s \leq 2.5$ m

## Accommodation

office	1
messroom	1
recreation room	1
sport room	1
galley	1
single-berth cabins sailing crew	14
single-berth cabins dredge crew	9
twin-berth cabins dredge crew	10

## Capacity Tanks

ballast fore / aft	503 / 491 m <sup>3</sup>
fuel oil	1662 m <sup>3</sup>
diesel oil	142 m <sup>3</sup>
drinking water	151 m <sup>3</sup>
fresh water	151 m <sup>3</sup>

## Diesel Engines

#	kW	total kW	rpm	type	make	drive
2	1050	2100	1800	3508B	Caterpillar	auxiliary generator
2	6000	12000	775	12V32	Wärtsilä	dredge pump
2	6000	12000	750	12V32	Wärtsilä	main generator - propeller
2	1050	2100	1800	3508B	Caterpillar	Dracula system
		<b>28200</b>				

## Cutter Drive

AC motor power	2 x 3000 kW at 1200 rpm
shaft speed nom.	30 rpm
shaft speed max.	40 rpm

## Dredge Pumps and Pipes

suction pipe diameter	1000 mm
discharge pipe diameter	1000 mm
hydraulic quick release pipe coupling diameter	1000 mm
barge loading pipe diameter	1000 mm
ladder pump	IHC250-45-100/4
AC motor power	3400 kW
pump speed	254 rpm
PS pump	IHC260-43-100/3
diesel engine power	6000 kW
pump speed	280 rpm
SB pump	IHC260-43-100/3
diesel engine power	6000 kW
pump speed gear 1/ gear 2	230 / 280 rpm

## Spuds

diameter	2.20 m
length	55 m
mass	204 tons
hoisting stroke / free fall height max	8 m
hoisting speed	12 m/min
min. water depth for tilting	6 m

## Spud Carrier

stroke, effective	8 m
speed, full load	8 m/min
speed, idle return	24 m/min
dynamic load, push/pull max.	2500 kN
static cilinder load, push/pull max.	3650 kN

## Side Winches and Dredge Anchors

pull, nom	1500 kN at 25 m/min
pull, max	1850 kN
speed, max. dredging	50 m/min
speed, idle return	100 m/min
Stevshark anchor	23.5 / 53 tons

Jet Pump		Propulsion	
power	1000 kW	sailing speed	12.5 kn
capacity	1400 m <sup>3</sup> /h	propeller type	CPP
head	2 MPa	propeller diameter / speed	3150 mm / 220 rpm
		propulsion power	2 x 3700 kW
Deck Crane		retractable bow thruster	1000 kW
Capacity main hoist	40 tons at 23 m	propeller diameter / speed	1700 mm / 380 rpm
Capacity auxiliary hoist	6 tons		

### Additional Data

2 bow anchors / 1 stern anchor 5,2 tons  
 4 CT barge mooring winches 280 kN-12 m/min / 20 m/min  
 min. waterdepth ladder tilting 12m