



SHIP'S PARTICULARS

AHTS

MSC DRAGON

215t BP

IMO: 9240952





SHIP'S PARTICULARS

1. GENERAL DESCRIPTIONS:

NAME: MSC DRAGON

CALL SIGN: 5LHB6

IMO: 9240952

MMSI: 636022076

Port of Registry: Monrovia

Flag : Liberia

Type : Anchor-Handling/Tug

Class : DNV 1A1 Tug DK (+) HL (2, 5) SF TMON

Vessel Built: 2001 by Flekkefjord Slip & Maskinfabrikk AS.,

Yard no 170

Reg. Owner: LISMORE OCEANWAYS LTD;

Manager : MSC SHIP MANAGEMENT

THE VESSEL IS EQUIPPED FOR THE FOLLOWING CONTINGENCY SERVICES:

•ANCHOR HANDLING

•TOWING

PRINCIPAL DIMENTIONS

Length overall : 81.00m

Length BP : 72,096 m

Breadth mid : 20, 00 m

Draught mid : 7,61m

Gross tonnage : 4604 t

Net tonnage : 1381 t

Deadweight : 4138 at summer draft

Keel to Mast HT : 37.0 m

POWER

Service speed: Eco Speed Approx. 10 Knots

Max speed : 17, 3 Knots

BHP : 20000 BHP (14720 Kw)

Bollard pull : 215 Tonnes

2. CAPABILITIES /CAPACITIES

Deck space : 580m²

Deck length : 37 m

Deck breath : 16, 6/14,4m

Fuel Oil : 1642m³

Fresh water : 597m³

Water Ballast : 1785m³

Chain lockers : 4 x 188m³

3. DISCHARGE PUMPS

Fresh water : 1 off, Cap 150m³/h — 9 bar (hydraulic)

Water Ballast : 2 off, Cap 100m³/h -9 bar (hydraulic)

Fuel oil : 2 off, Cap 250m³/h — 9 bar (hydraulic)

4. DECK CRANES

1. Provision/deck crane Hydra lift: 5t/13m

2. Provision/deck crane Pal finger: 0,8t/20,8m,2.14t/5,7m

3. Deck crane Hydra Marine: 1.0 t/19m

5. RIG CHAIN LOCKERS/ Chain capacity:

4 off Rig chain lockers, 188 m³ each

76 mm : 12075m

81 mm : 10898m

86 mm : 9765m

95 mm : 7832m

110 mm : 5874m

120 mm : 4947m

6. Tugger Mooring System

Tuggers: Two (2) of 5.7 T (110m 22mm) and 12 T (150m 20mm)

Mooring: One (1) of combined windlass/mooring winch

Capstans: Two (2) of 15 Tonnes

7. ANCHOR-HANDLING EQUIPMENT

Shark Jaws : Two (2) of Karmoy Winch,

Max load 750 tonnes

Towing pins : Four (4) of Karmoy Winch,

Max load 240 tonnes

Steering pins : One of each side of the stern roller.

Stern roller: Length: 4167mm x 2 pc. (Total length 8334 mm)

Diameter: 4000 mm

SWL: 500 tonnes

Gypsies : 2 x 76 mm, 1 x 84 mm

8. TOWING/ANCHOR-HANDLING WINCHES

One off : Ulstein Brattvaag towing/anchor-handling winch

waterfall type BSL 500 WX/SL 400 WX

Consisting of:

Anchor-handling drum — 500 tonnes (with socket

compartment) Length of drum: 4.400 mm + 900 mm (socket compartment)

Inner drum Dia : 2.800 mm

Dia of flanges : 4.050 mm

Wire capacity : 4250m of 83mm wire

Low gear:

Drive hoist First layer: 500 tonnes at 0 — 18m/min

Top Layer: 390 tonnes at 0 — 23 m/min

Dynamic Braking

First layer: 140 — 650 tonnes at 0— 24m/min

Top Layer: 110 — 520 tonnes at 0 — 31m/min

Lowering

First layer: 0— 11 m/min

Top Layer: 0 — 14,5m/min



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High Gear

Drive Hoist

First layer: 500 Tonnes at 0-18m/min

Top layer: 130 Tonnes at 0-70m/min

Dynamic braking

First layer: 50-215 Tonnes at 0-71 m/min

Top layer: 44-170 Tonnes at 0-91 m/min

Lowering

First layer: 0-33 m/min

Top layer: 0-42 m/min

Brake Holding

Load : First layer : 575 tonnes

Towing Spooled Wire: 1800 m x 2 Dia -83mm

Working /Towing Drums—400 Tonnes (2 Drums)

Length of drums: 2.100 mm

Inner drum dia.: 1500 mm.

Dia of flange : 3600 mm.

Wire capacity: 2697 m of 83mm wire

Low Gear

Drive Hoist First Layer: 400 tonnes at 0— 22m/min

Top layer: 173 tonnes at 0- 47m/min

Dynamic Breaking First Layer: 100 -500 Tonnes 0 -30m/min

Top layer: 44 — 215 tonnes at 0 — 68m/min

Lowering First Layer: 0— 15 m/min

Top layer: 0— 35 m/min

High Gear

Drive Hoist First Layer: 200 tonnes at 0-44 m/min

Top layer: 86 tonnes at 0 — 95 m/min

Dynamic Breaking First Layer: 50 — 250 tonnes at 0— 60 m/min

Top layer: 22— 107 tonnes at 0— 136 m/min

Lowering First Layer: 0— 30 m/min

Top layer: 0 — 70 m/min

Brake Holding

Load : First layer : 650 tonnes

Two Secondary winches

Length of drums: 4.500 mm + 900 mm socket part

Inner drum Dia: 1500 mm.

Dia of flange : 4500 mm.

Wire capacity

8" synthetic rope: 1600m (each)

Duty on drum : First layer : 138 tonnes at 0 — 22m/min

: Top layer : 56 tonnes at 0 — 54m/min

9. NAVIGATION EQUIPMENT

1 (one) off Furuno radar S band

1 (one) off Furuno radar X band

1 (one) off slave screen for X and S band

2 (Two) off ECDIS- Wartsila, Navi Sailor 4000

1 (one) off GPS Furuno GP-150 & NGR 3000

2 (two) off Wind Speed/Directions MC139 & OMC 1390

3 (three) off Simrad GC 80 gyrocompass

2 (two) off Robertson autopilot APMK 3

1 (one) off Furuno Echo sounder

1 (one) off Furuno Doppler log

1 (one) off AIS-JOTRON/TR-8000

10. PROPULSION/MAIN ENGINES/PROPELLERS

Main engines : 2 x Wartsila. Type W 16V32.

7360 Kw —750 RPM

Total output : 20000 BHP (14720 KW)

Propeller : Approx 4000mm dia. in nozzle

Rudder : Two (2) off Ulstein High Lift flap rudders.

11. BOW THRUSTERS

Bow thruster : One (1) off Brunvoll

FU-80-LTC-2000, 1425 Kw

Azimuth : One (1) off Brunvoll

AR-63-LNC-1600, 880 Kw

12. STERN THRUSTERS

Stern thruster : One (1) off Brunvoll

FU-63-LTC-1750, 880 Kw

13. GENERATORS: Two (2) off shaft generator sets,

Shaft generators 3100 KVA (2480 Kw) 3 ϕ 450V 60Hz

Aux. Generator : One (1) off aux generator, Mitsubishi

S12R-MPTA Stanford 1425 KVA (1100 KW) 3 ϕ 450V 60Hz

1800 RPM

Aux. Generator : One (1) off aux Generator, Caterpillar

3512B, Stanford 1425 KVA (1100 KW) 3 ϕ 450V 60Hz

1800 RPM

EM generator : One (1) off emergency generator 3406 394

KVA (315Kw) 3 ϕ 440V 60Hz (Caterpillar)

14. ACCOMMODATION

1 man cabins : 20 x 1 =20

2 men cabins : 14 x 2 =28

4 men cabins : 1 x 4 =4

Total number of bunks: =52

All cabins are equipped with WC and shower



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15. LIFE SAVING EQUIPMENT

In accordance with the latest Solas amendments.

Rescue and lifesaving equipment:

- : One (1) off FRC/rescue boat for 15 persons Subject to weight 82.5 Kgs per person
- : Six (6) off Life rafts for 25 persons each
- : Two (2) off Life rafts for 6 persons
- : Fifty Eight (58) off survival life jackets
- : Fifty Three (53) survival suits (1 for training purpose)

16. COMMUNICATION EQUIPMENT

- 2 (two) off Furuno Inmarsat C Felcom 18 including telex terminal
- 1 (one) off Furuno MF/HF SSB radio station
- 1 (one) off Furuno MF/HF DSC Scanning receiver
- 2 (two) off Sailor VHF DSC 6222
- 2 (two) off Sailor simplex VHF 2048
- 1 (one) off Furuno NX-500 Navtex receiver
- 1 (one) off Jotron TRON 60 GPS EPIRB
- 2 (two) off Jotron 20 SART
- 8 (eight) off portable UHF s
- 1 (one) off portable VHF's

17. VOICE COMMUNICATION & OTHERS:

- VSAT CYPRUS LINE: +357 25060585 (Bridge)
- VSAT GENEVA LINE: +41 225189455(Bridge)

- FBB: +870 773063988 (Presently in Instrument room)
- IRIDIUM: +881 631858381 (ECR)
- MOBILE PHONE: +41 762976621 (Master)
- EMAIL: msc.dragon@mscfleet.com
- Wi-Fi- for Crew Comm.