



SPECSHEET | Tug

MSC Ocean One

SPECSHEET

1. Dimensions

Length overall:	49.50 m	164.00 ft
Depth	6.75 m	22.14 ft
MAX draft	5.75 m	19.19 ft
Breadth MLD	15.00 m	49.20 ft
Deadweight	700 t @ 4.75 m Draft	
Gross Tonnage	1.323 mt	
Net Tonnage	397 mt	

2. Machinery

Main Engines	2 x MAK 9M25, 2970 kW, 4045 BHP, Total 8090 BHP
Bow Thrusters	1 x 460 kW
Propellers / Rudders	2 x Schottel SRP 3030 CP, 360 deg. azimuth stern drive in knort nozzles
Bollard Pull ahead	75 t
Bollard Pull astern	60 t
Auxiliaries Generators	3 x 500 kW 415V 50Hz
Emergency Generator	1 x 125 kW 415V 50Hz

3. Capacities / Transfer Rates

Fuel Oil	688.1 m ³
Potable Water capacity	88 m ³
Ballast / Drill Water	321 m ³
Lube Oil capacity	15 m ³
Foam	25 m ³
Dispersant	25 m ³
Recovery Oil capacity (flashpoint > 60°)	134.8 m ³
Free Deck Space	19 m x 10 m = 190 m ²
Deck Cargo Load	200 t - 5 t/m ²

SPECSHEET

4. Deck equipment

Tugger Winch	1 x tugger winch. Pull 10 tons x 30 m/min
Capstan	1 x Capstan SWL 10 tons x 10 m/min
Towing Pins	2 x 300 t SWL, hydraulic controlled
Shark Jaws	300 t SWL
Stern Roller	1 x 4 m x 2 m diameter - 250 t SWL
Tow Hook	1 x 120 t SWL, remote release
Deck/Cargo Crane	SWL 10 t x 12 mts max telescopic arm extension
Windlass	2 x hydraulic cable lifting
Anchors	2 x 1290 Kg
Anchor Cable	2 x 220 m at 32 mm
Fenders Wraparound	350 x 350 squares EPDM 70 durometer, and W type 400 mm in the bow dismountable aft rubber fender D 700 x 700 x 7 mts long

Towing wires

Main towing wire – *on aft towing winch*

- Length 920 m
- Diam. 64 mm
- MBL 3040 KN

Spare towing wire – *on storage reel*

(total capacity of storage reel is diam 64mm x 800m)

- Length 600 m
- Diam. 64 mm
- MBL 3040 KN

Anchor handling wire – *on anchor handling winch*

- Length 350 m
- Diam. 64 mm
- MBL 292 tons

Various steel wires, towing pennants and shackles

Aft towing winch (upper drum)

Winch Type	Hydraulic (Plimsoll), both locally and remotely operated
Drum rated pull ^(1st layer)	• 70 t x 17 m/min • 28 t x 34 m/min • 20 t x 50 m/min
Drum brake holding ^(1st layer)	350 tons

SPECSHEET

Towing line	Galvanized steel wire rope - diam. 64 mm, lenght 920 mts, MBL 3040 KN + Galvanized steel wire towing pennant - diam. 64 mm, lenght 40 mts, MBL 3040 KN
Bollard pull ahead	75 tons

Anchor Handling Towing Winch (lower drum)

Winch Type	Hydraulic (Plimsoll), both locally and remotely operated
Drum rated pull ^(1st layer)	• 70 t x 17 m/min • 28 t x 34 m/min • 20 t x 50 m/min
Drum brake holding ^(1st layer)	350 tons
Towing line	Galvanized steel wire rope - diam. 64 mm, lenght 350 mts, MBL 292 tons + Galvanized steel wire towing pennant - diam. 64 mm, lenght 40 mts, MBL 292 tons
Bollard pull ahead	75 tons

Forward Towing Winch

Winch Type	Hydraulic (Plimsoll), both locally and remotely operated
Drum rated pull ^(1st layer)	• 35 t x 10 m/min • 17.5 t x 20 m/min • 10 t x 45 m/min
Drum brake holding ^(1st layer)	250 tons
Towing line	HMPE Dyneema rope - diam. 72 mm, lenght 120 mts, MBL 340 tons + Towing pennant HMPE Dyneema - diam. 68 mm, lenght 40 mts, MBL 333 tons
Bollard pull astern	60 tons

5. Speed / Consumption

Maximum speed	12 knots on about 27 m ³ /day
Economic speed	10.5 knots on about 17-20 m ³ /day
In Port	0.5 m ³ /day
Stand by at sea	3.0 m ³ /day

**All above figures are mainly for commercial purposes, more detailed information can be provided upon request*

SPECSHEET

6. Accommodation

Berths	22
Crew maximum	13
Passengers	2
Cabins total	15

7. Fire fighting - FIFI 1

Pumps	2 x 1500 m ³ /hr, 660V @ 15 bar
Monitors (water/foam)	2 x 1200 m ³ /hr
Foam storage	25 m ³
Water throw	125 m
Deluge system	Self protecting water system

8. Stand-by Rescue

Mob Fast Rescue Craft	1 x Zodiac 50hp, 6 person capacity
Rescue Zones / Nets	1 zone each side

9. Anti-pollution System

Dispersant Storage	25 m ³
Pumps	12 m ³ /hr

10. Built

Year	2005
Built	Batam Island, Indonesia
Class	BV I + HULL + MACH, Tug, Firefighting 1 - Water spraying, Unrestricted Navigation, + AUT-UMS
Flag	Bahamas
Call sign	C6EO7
Home port	Nassau

MSC Ocean One

SPECSHEET



Scan QR for
current location



Want to know more?

GET IN TOUCH

+31 (0)20 3080 899

info@dutchmarinecontractors.com

www.dutchmarinecontractors.com

ONE COURSE FOR EVERY DIRECTION

Details of the equipment offered by DMC is done in good faith and believed to be correct but cannot be guaranteed.