



SPECSHEET | TUG

# MSC Ocean One

75t BP | IMO: 9321146

## SPECSHEET

### 1. Dimensions

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

### 2. Machinery

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

### 3. Capacities / Transfer Rates

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

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### 4. Deck equipment

<b>Tugger Winch</b>	1 x tugger winch. Pull 10 tons x 30 m/min
<b>Capstan</b>	1 x Capstan SWL 10 tons x 10 m/min
<b>Towing Pins</b>	2 x 300 t SWL, hydraulic controlled
<b>Shark Jaws</b>	300 t SWL
<b>Stern Roller</b>	1 x 4 m x 2 m diameter - 250 t SWL
<b>Tow Hook</b>	1 x 120 t SWL, remote release
<b>Deck/Cargo Crane</b>	SWL 10 t x 12 mts max telescopic arm extension
<b>Windlass</b>	2 x hydraulic cable lifting
<b>Anchors</b>	2 x 1290 Kg
<b>Anchor Cable</b>	2 x 220 m at 32 mm
<b>Fenders Wraparound</b>	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)

<b>Winch Type</b>	Hydraulic (Plimsoll), both locally and remotely operated
<b>Drum rated pull</b> <sup>(1st layer)</sup>	<ul style="list-style-type: none"> <li>• 70 t x 17 m/min</li> <li>• 28 t x 34 m/min</li> <li>• 20 t x 50 m/min</li> </ul>
<b>Drum brake holding</b> <sup>(1st layer)</sup>	350 tons

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

### **Anchor Handling Towing Winch (lower drum)**

**Winch Type** Hydraulic (Plimsoll), both locally and remotely operated

**Drum rated pull** <sup>(1st layer)</sup>

- 70 t x 17 m/min
- 28 t x 34 m/min
- 20 t x 50 m/min

**Drum brake holding** <sup>(1st layer)</sup> 350 tons

**Towing line** Galvanized steel wire rope - diam. 64 mm, length 350 mts, MBL 292 tons + Galvanized steel wire towing pennant - diam. 64 mm, length 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** <sup>(1st layer)</sup>

- 35 t x 10 m/min
- 17.5 t x 20 m/min
- 10 t x 45 m/min

**Drum brake holding** <sup>(1st layer)</sup> 250 tons

**Towing line** HMPE Dyneema rope - diam. 72 mm, length 120 mts, MBL 340 tons + Towing pennant HMPE Dyneema - diam. 68 mm, length 40 mts, MBL 333 tons

**Bollard pull astern** 60 tons

## 5. Speed / Consumption

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

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

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### 6. Accommodation

<b>Berths</b>	22
<b>Crew maximum</b>	13
<b>Passengers</b>	2
<b>Cabins total</b>	15

### 7. Fire fighting - FIFI 1

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

### 8. Stand-by Rescue

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

### 9. Anti-pollution System

<b>Dispersant Storage</b>	25 m <sup>3</sup>
<b>Pumps</b>	12 m <sup>3</sup> /hr

### 10. Built

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

# MSC Ocean One

## SPECSHEET



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### Want to know more?

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