



SPECSHEET | MOTOR TUG

# EEMS Wrangler

(Towing / Anchor Handling / Salvage Support / FIFI-2)

## SPECSHEET

### Dimensions

<b>Length Overall:</b>	47.23 m
<b>LBP:</b>	42.58 m
<b>Moulded Breadth:</b>	14.00 m
<b>Moulded Depth:</b>	6.80 m
<b>Maximum Draft:</b>	5.32 m

### Tonnages

<b>GRT:</b>	1380
<b>NRT:</b>	414
<b>Deadweight:</b>	1200 t

### Machinery / Propulsion / Manoeuvring

<b>Main Engine:</b>	2 x MAK 8M32C (2x 3840kw continuous output at 600 rpm / 10,400 bhp)
<b>Shaft Generator:</b>	2 x 1250KVA, 450V-60Hz
<b>Auxiliary Generator:</b>	2 x Volvo Penta 260KW, 450V-60Hz
<b>Emergency Generator:</b>	1 x Volvo Penta 120KW, 450V-60Hz
<b>Bow Thrusters:</b>	1 x Ulstein transverse, 600KW
<b>Propulsion:</b>	2 x SCANA CPPs in Kort nozzles
<b>Rudders:</b>	2 x BECKER rudders
<b>Manoeuvring controls:</b>	SCANA Joy-stick control ford & aft
<b>Fresh Water Generator:</b>	1 x Alfa Laval JWP-16-C50, 8 t/day 1 x Watertek AWS440-10 10 t/day

### Deck Capacity

<b>Clear main deck area:</b>	192 m <sup>2</sup> (16 x 12 m)
<b>Main deck cargo load:</b>	250 t

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### Cargo Capacity

<b>Fuel oil:</b>	500 t
<b>Fresh water:</b>	220 t
<b>Drill Water Dual Tanks:</b>	250 t
<b>Rec-Oil:</b>	100 t
<b>Chain Lockers:</b>	80 m <sup>3</sup>
<b>Foam Tank:</b>	36 m <sup>3</sup>
<b>Dispersant Tank:</b>	5.2 m <sup>3</sup>

### Registration

<b>Year Built:</b>	2003
<b>Builder:</b>	ISA Produzione SRL, Ancona (Italy)
<b>Port of Registry/Flag:</b>	Delfzijl, The Netherlands
<b>Class:</b>	RINA
<b>Class Notation:</b>	Salvage Tug; Oil recovery ship – flash point >60°C; Fire-fighting ship-2; Unrestricted navigation; +AUT-UMS; TPF (kN) 1597

### Anchor Handling Capacity / Deck Equipment

<b>Winch:</b>	1 x Brattvaag waterfall double drum winch; Type -SL180W-2T
<b>Bollard Pull:</b>	126 ts
<b>Cable lifter:</b>	Port-76 mm rig chain; Starboard-82 mm rig chain
<b>Break holding load:</b>	250 t (1 <sup>st</sup> layer on towing/a' handling drums)
<b>Main Towing Wire:</b>	1000 m x 64 m
<b>Spare Tow Wire:</b>	1000 m x 64 m (on underdeck motorized drum)
<b>Stern Roller:</b>	4 x 2.5 m; SWL 320 t
<b>Tugger Winch:</b>	1 x 10 t; 120 m x 26 mm wire
<b>Capstan:</b>	1 x 10 t
<b>Towing Pins:</b>	1 set x KARM; SWL 250 t; remotely operated 1 x KARM; SWL 400 t; remotely operated
<b>Wire Tension Meter:</b>	Fitted for main towing wire
<b>Towing Hook:</b>	1 x 90 t SWL; remotely operated quick release
<b>Anchors &amp; Cables:</b>	2 x 1750 kg bow type; chain 36 mm x 380 m each
<b>Deck Crane:</b>	1xSORMEC M40/1S; SWL 4.2t@6 m; 2.35t@12.5m

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### Refrigerated Storage Capacity

<b>Deep freezer:</b>	15m <sup>3</sup> at -20°C
<b>Chiller room:</b>	18m <sup>3</sup> at +5°C
<b>Dry provision store:</b>	24m <sup>3</sup> at +10°C

### Safety equipment

<b>Personnel equipment:</b>	Certified for 23 persons on board
<b>Rescue boat:</b>	1 x persons; rigid hull on davit

### Navigation & Communication equipment

2 x Radars, 1 x Gyro and 1 x Magnetic compass, 1 x Speed log, 1 x Echo-sounder, 2 x GPS and other equipment compliant with applicable regulations; GMDSS Areas A1+A2+A3 compliant with 2 INMARSAT C terminals; Voice & Data 1 x Thuraya XT-Lite.

### Wheelhouse

Panoramic view and full control on working deck area. Forward and Aft controls for main engines, bow thruster and steering including joy-stick control; Aft for towing/anchor handling Equipment and FIFI system.

### Accommodation

<b>Master/Chief Engr.:</b>	2 x single bed
<b>Officers:</b>	3 x single bed
<b>Crew:</b>	5 x double beds: 1 x four beds
<b>Passenger:</b>	1 x four beds
<b>Total accommodation:</b>	23 persons
<b>Hospital:</b>	1 x single bed

Vessel is centrally air-conditioned

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### Cargo Discharge Capacity

<b>Fuel Oil:</b>	1 x 50 m <sup>3</sup> /hr @60 m head
<b>Fresh Water:</b>	1 x 50 m <sup>3</sup> /hr @33 m head
<b>Drill Water:</b>	1 x 50 m <sup>3</sup> /hr @66 m head

### Fire Fighting Equipment

<b>FIFI:</b>	FIFI Class-2 certified and compliant
<b>Fire Fighting pumps:</b>	2 x 3600 m <sup>3</sup> /hr each; total capacity 7,200 m <sup>3</sup> /hr Port side FIFI pump fitted with low expansion foam mixer
<b>Water curtain:</b>	Self-protection from FIFI pumps: 2 x 400 m <sup>3</sup> /hr @40m head water spray protection
<b>Fire Monitors:</b>	4 x fire monitors, remotely operated from wheelhouse, 1800 m <sup>3</sup> /hr each @ 12.50 bar
<b>Length of throw:</b>	150 m each monitor
<b>Height of throw:</b>	70 m each monitor
<b>Foam system:</b>	1 x Portable High Expansion Foam unit of capacity 100 m <sup>3</sup> /min able to operate for minimum
<b>Manufacturer:</b>	Nijhuis Pompen, Winterswijk (The Netherlands)
<b>Fire Extinguishers:</b>	As per applicable regulations

### Anti-pollution

<b>Fixed spray booms:</b>	Fitted for oil spill dispersant with pump
<b>Containment boom:</b>	200 m
<b>Storage tanks:</b>	3 x 50 t capacity
<b>Oil Skimmer:</b>	1 x 125 m <sup>3</sup> /hr capacity with power pack
<b>Workboat:</b>	1 x 200 hp
<b>Status:</b>	Maintained ashore ready for mobilization

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