

# STANFORD ENERGY

3,150 BHP Anchor handling Tug (BP 45 Tons)



**FRESH WATER:**

80 mt

**MAIN ENGINES & GEARBOXES:**

2 X CATERPILLAR 3512B  
SCAC.DITA engines producing  
1575 each @ 1600 rpm c/w 2 x  
reintjes WAF 772 reverse  
reduction gearboxes of 7.087:1  
ratio.

**WIRE STORAGE REELS:**

2 X 6 ton line pull at 12m/min  
hydraulic wire storage reels  
capacity 750M x 52mm dia. One  
storage reel will contain 750m x  
52mm of spare towing wire , and  
the other reel will store various  
size pennant wires.

**CRANE:**

1 x HAP BK 21-3  
capacity:  
-1630 kg @ 9.74M  
-2040 kg @ 7.96M

**GENERATORS:**

3 X 300 KW , Detroit Diesel 8V-  
92TA,  
380/3/50, diesel driven  
generators.

**M.E CONSUMPTION:**

11,000 litres MGO and 33 litres  
lube oil per 24 hours @ full  
power.  
8000 litres MGO and 16 litres lube  
oil per 24 hours @ economic  
cruising speed of 10 knots.

**GENERATOR CONSUMPTION:**

360 litres MGO an 10 litres lube  
oil per 24 hours

**PROPULSION:**

2 x solid propellers 2600mm  
diameter, 4 bladed kaplan type  
manganese bronze in kort  
nozzles.

**STEERING GEAR:**

Electro Hydraulic, Twin rudder, 5T  
rudder torque

**FUEL OIL PURIFIER:**

Mitsubishi self cleaning SJ-700  
fuel oil purifier

**BOW THRUSTER:**

Ulstein 45-Tv250kW-3.7T thrust

**TOWING PINS & SHARK JAWS:**

Karma Fork combination unit with 2  
Towing pin & 1 Karma Fork

**ANCHOR WINDLASS:**

Hydraulic 6 ton @ 12.4M / minute  
BRATTVAAG.

**ANCHORS:**

2 x 780kg stockless anchors.

**TOWING/ANCHOR WINCH:**

BRATTVAAG 2 drums "side by side"  
Hydraulic winch with remote  
controls in wheelhouse.  
50 tonnes pull at 0-13m / min  
Brake holding at 1<sup>st</sup> layer: 128  
tonnes Wire capacity per drum:  
750m x 52mm diameter wire

**TUGGER WINCH:**

Brattvaag 10 TON LINE PULL @ 14m  
per min

**FENDERING:**

Flat bar doubler plates of 10 x  
40mm cross section welded to side  
shell and tyre fender.

**CUTTING EQUIPMENT:**

Four bottles oxygen and two bottle  
acetylene c/w cutting torch

**LIFE RAFTS:**

2 x 15 men

**RADAR:**

1 x X-band type radar c/w 6;  
scanner , Furuno model FR2115  
21" high resolution CRT colour

**VHF:**

2 x VHF/FM multi channel marine  
radio-telephones. Furuno Model  
FM 8500

**GYRO- AUTOMATIC PILOT:**

1 set fitted. Gyro-Tokimec ES-110.  
Autopilot-Furuno model FAP-330

**WEATHER FACSIMILE:**

1 x furuno Model FAX-207

**OTHER NAVIGATION EQUIPMENT:**

INMARSAT-C, EPIRB,Radar  
transponder, P.A. System Fog Horn  
Signal, Navtex Receiver, AIS & GPS  
Navigator

**DISPERSANT BOOMS:**

2 x 8m dispersant booms fitted

**REGISTRY:**

SVG

**YEAR OF DELIVERY:**

2000

**TYPE:**

Ocean Going / Anchor Handling / Towing  
Tug

**CLASSIFICATION:**

ABS + A1, Towing Vessels, (E), + AMS

**DIMENSIONS:**

37.0M x 11.4M x 5.0M

**DRAFT:**

4.0m (Designed) / 4.35M (Max)

**CLEAR DECK SPACE:**

15M X 10M

**GRT/NRT:**

466T / 140T

**DEADWEIGHT:**

362T

**SPEED:**

11.0 knots

**BOLLARD PULL:**

41 tones

**ENDURANCE:**

30days

**ACCOMODATION:**

Fully Air Conditioned for 15 men

**LIFE SAVINGS:**

Comply to SOLAS requirements

**FIREFIGHTING:**

Comply to SOLAS requirements

**FUEL:**

245 mt