



AKN MARINE SUPPLIES



AKN CHALLENGER
(EX-BRITOIL 38)

Flag: Singapore

Year Built: 1998

Type: Ocean Going /
Anchor Handling
Tug

**Overall
Dimensions:** 37.0m
x 11.4m x 4.95m

Designed Draft:
4.00m

GRT/NRT:
458/ 137-B35 & B37
465/ 139-B38 & B39

Clear Deck Space:
15m x 10m

Deadweight: 344.74
MT

Speed: 13.0 Knots

Bollard Pull: 75mt

Endurance: 7200
nautical miles @ 12
Knots

Accommodation:
Fully air con. for 14
men

Lifesaving: To
meet SOLAS
requirement

Firefighting: To
meet SOLAS
requirement

Fresh Water:
86m³

Fuel: 320m³

**Main Engines &
Gearboxes:**
2 x YANMAR
6N280-EN
diesel engines
producing 2500
BHP each @
720 rpm
c/w 2 x YX-3000
reverse
reduction
gearboxes of
3.5:1 ratio

Generators:
3 x 300 KW
Detroit Diesel
8V-92TA ,
380/3/50 , diesel
driven
generators

M.E. Consumption: 16000 liters
MDO and 53 Liters lube oil per 24
hours @ full power. 9000 liters
MDO and 26 liters lube oil per 24
hours @ economic cruising
speed of 10 Knots

General Consumption: 360
liters MDO and 10 liters lube oil
per 24 hours

Propulsion: 2 x solid propellers
3000 mm diameter , 4-bladed
kaplan type manganese bronze in
kort nozzles

Lube Oil Purifier: Mitsubishi self
cleaning SJ-10F lube oil purifier

Steering Gear: Electro Hydraulic

Fuel Oil Purifier: Mitsubishi self
cleaning SJ-700 fuel oil purifier

Bow Thruster: Ulslein 45-
TV250KW-3.7T thrust

Towing Pins & Sharkjaws:
Ulslein combination unit

Anchor Windlass: Hydraulic 6t
@12.4m/min BRATVAAG

Anchors: 2 x 680kg stockless
anchors

Towing/Anchor Winch:
BRATVAAG single drum
hydraulic winch with remote
controls in wheelhouse.
140t brake capacity.
75mt line pull @ 15m/min
650m x 52mm wire

Tugger Winch: BRATVAAG 10t
line pull @ 14m/min

Wire Storage Reels: 2 x 6t line
pull at 12m/min hydraulic wire
storage reels of 750m x 52mm
SWR capacity.
One storage reel will contain
750m x 52mm of spare towing
wire, and the other reel will store
various size pennant wires

Fendering: Flat bar doubler
plates of 10" x 40mm cross
section welded to side shell
50mm thick plating at forward
bow c/w tractor types

Cutting Equipment: Two bottles
oxygen and one bottle acetylene
c/w cutting torch

Liferafts: 2 x 15 men

Radar: 1 x X-band daylight type
radar c/w 6' scanner, FURUNO
FR-1525MK 2

SSB: Radio synthesized 250W,
24V DC/240V AC with manual
cover to emergency supply
antenna feeder through insulator
& whip & standoff insulators. c/w
DSC & NBDP to meet GMDSS
requirements. FURUNO FS-
1562-25.

VHF: 2 x VHF/FM multi-channel
marine radio telephones.
FURUNO FM-8500

Gyro & Automatic Pilot: 1 set
fitted. Gyro-Tokimec ES-110.
autopilot - Furuno FAP-330

Weather Facsimile: 1x
FURUNO DFAX-207

Other Navigation Equipment:
INMARSAT- C/M , EPIRB , Radar
Transponder , P.A. System c/w
fog Horn Signal, Navtex Receiver,
GSP Navigator , Color Echo
Sounder, Wind Monitor

Fire Monitors: 2 fixed
foam/water fire monitors of 3000
liters/min @ 120m head capacity.
Fire pump of 360 m³/hour

Dispersant Booms: 2 x 4m
dispersant booms fitted

Classification: ABS + A1(E)
+AMS "Towing Service"