



Comarco Merlin

Tug / 2400BHP

Name of Vessel

Comarco Merlin

Flag

Cook Islands

Port of Registry

Avatiu

Year of Delivery

1999

Type

Ocean Going / Towing Tug

Classification
BV - 1+Hull+MACH, Tug
unrestricted navigation
Dimensions

29.0m x 9.0m x 4.25m

Draft

3.5m (Designed) / 3.95m (Max)

GRT / NRT / DWT

250T/ 75T / 151T

Clear Deck Space

7.1m x 4.5m

Speed

12.0 knots

Bollard Pull

30.60T

Endurance

26 days

Accommodation

Fully air-conditioned for 12 men

Lifesaving

Comply to SOLAS requirements

Firefighting

Comply to SOLAS requirements

Fuel

170 mt

Fresh Water

16 mt

Main Engines
2 x YANMAR M220-EN medium
speed six cylinder diesel engines
producing 1200 BHP each at
800 rpm
Generators
2 x 99 KW 415/3/50 driven by
2 x Cummins 6CT8-3G diesel
engines
M.E. Consumption
8,000 litres MGO and 20 litres
lube oil per 24 hours at full power.
5,000 litres MGO and 10 litres
lube oil per 24 hours at economic
cruising speed of 10 knots
Generator Consumption
240 litres MGO and 4 litres lube
oil per 24 hours
Steering Gear

Electro hydraulic, 3T torque

Propulsion
2 x YANMAR YC-1100
3.28:1 reverse reduction
gearboxes coupled to four bladed
2300mm diameter fixed pitch
propellers turning in Kort nozzles
at 224 rpm
Fuel Oil Purifier
Mitsubishi F.O. purifier SJ-700
of 1250 litres per hour capacity
Anchor Windlass

Electro-hydraulic, 4T at 14m/min

Anchors

2 x 480kg stockless anchors

Anchor Chain
2 x 220m x 24mm diameter
U2 stud link chain
Towing/Anchor Winch
ZICOM single drum hydraulic
towing winch.
70T brake capacity.
10T line pull at 12m/min
Drum size 650m x 44mm SWR
Wire Storage Reels
1 x electric wire storage reels of
650m x 44mm SWR capacity.
Storage reel will contain 650m x
44mm of spare towing wire
Cutting Equipment
2 bottles oxygen and
1 bottle acetylene c/w cutting
torch
Liferafts

2 x 15 men

Echo Sounder
1 x Echo Sounder
FUSO Colour Video FEC-1020
Radar
1 x 3cm X-band 96 nautical mile
marine radar with 6.6' scanner,
15" CRT display, magnifier,
reflector plotter & north up
display. FURUNO FR-1525 MK3
VHF
2 x VHF/FM multi-channel
marine radio telephones.
FURUNO FM-2510
SSB
1 x 250W MHYF/HF fully
synthesized SSB radiotelephone.
FURUNO 1562-25
Gyro & Automatic Pilot
TOKIMEC ES110 gyro with
FURUNO FAP 330
Public Address System
1 x 50W VINGTOR VRC 110M
system
Other Navigation Equipment
GPS Satellite Navigator,
Auto-Pilot, Public Address
System, Inmarsat-C, Navtex