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EST. 1896

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FLEET SPECIFICATION SHEET

MICHAEL

ASD-Tug with 42 t Bollard Pull
Port
Terminal

Class: DNV GL / 100A5 K E TUG / MC E AUT
Year Built: 1994
Design/Yard:
Hitzler Shipyard, Lauenburg, Germany
Flag: German
Port of Registry: Lübeck
IMO No.: 9107409

Phone: +49 160 94749619
Email: tug-michael@johannsen-towage.com
Call Sign: D M J T
MMSI: 211 223 780

Main Dimensions

GT:	306
Length o.a.:	29,86m
Length WL:	27,89m
Breadth moulded:	9,50m
Breadth o.a.:	10,05m
Depth:	5,00m
Draft max.:	4,20m

Engines / Propulsion

Propulsion: 2 x Schottel SRP1212 (fixed Pitch)
Main Engines: 2 x Deutz MWM SBV 6M628,
2 x 1.290 kW
Gensets: 2 x 49,5 kVa,
Electr. System: 400 V / 230 V - 50 Hz, 24 V DC
Oil fired boiler for heating, abt. 80 kW

Safety / Rescue

1 MOB Boat with davit
2 Life Rafts

Towing / Deck Equipment

Forecastle:
Electric anchor / towing winch, break force:
120 t80m wire, breakload 989kN, ø 38mm

Speed / Consumption

Speed 100% MCR	12,2 knots
MGO at 10knots:	abt. 250 l / h
MGO at 9 knots:	abt. 200 l / h

Bridge Equipment

GMDSS A1
AIS
1 Radar
2 x VHF
2 x mobile VHF
Mobile GSM Phone
Sat. Compass
Magn. Compass
ECDIS
LRIT - Equivalence
Navtex
Echo Sounder
Auto Pilot
2 x Searchlights

Working Deck

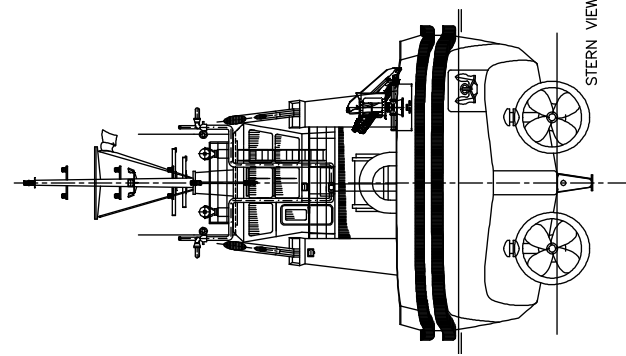
Single towing winch: break force: 1200kN,
nom. Pull: 150 kN, 400m wire, breakloads
1120kN, ø 46mm,
Capstan, hydr. Towing Hook (40t), 4 Double
Bollards.
Diverse additional towing equipment:
Certified chains, bridle, shackles, hawsers,
spare wires, dyneema wires, pennants,
mobile navigation lights for towages and
salvage operations.

Capacities

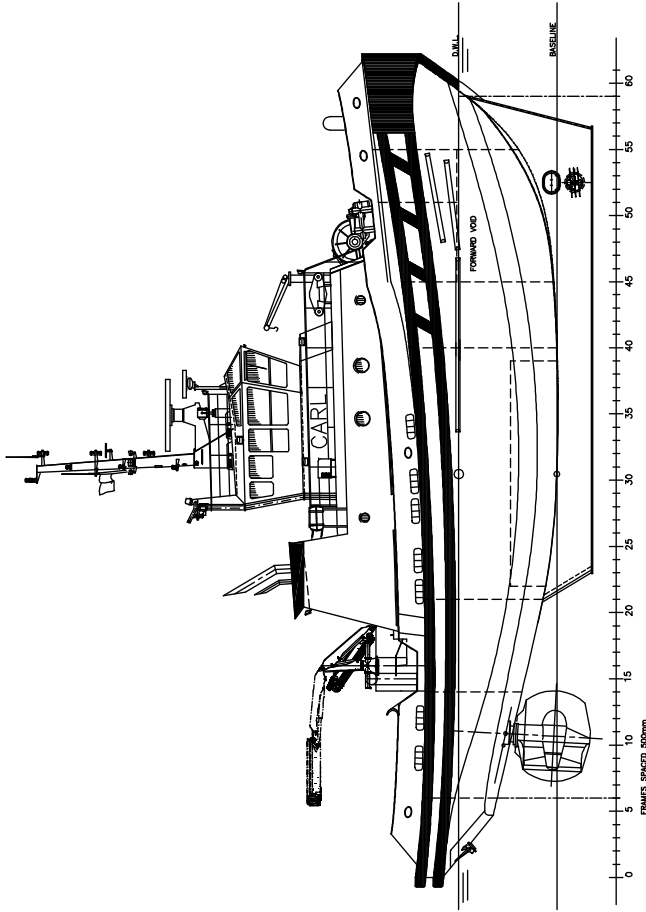
Marine Gas Oil:	180 m ³
POT Water:	24 m ³
Sewage:	8 m ³
Ballast Water:	42 m ³
Deck Space:	160 m ²

Accommodation:

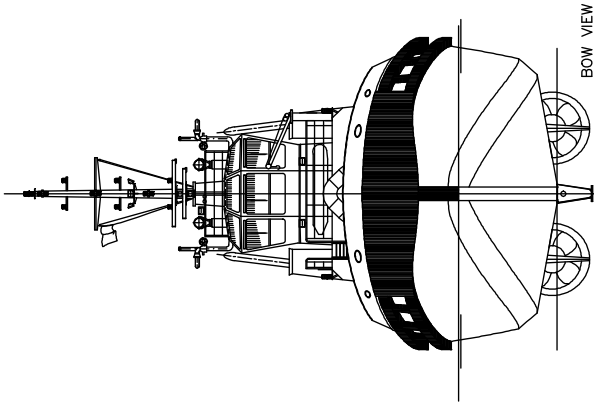
3 cabins (1 x single, 2 x double)
5 Berths



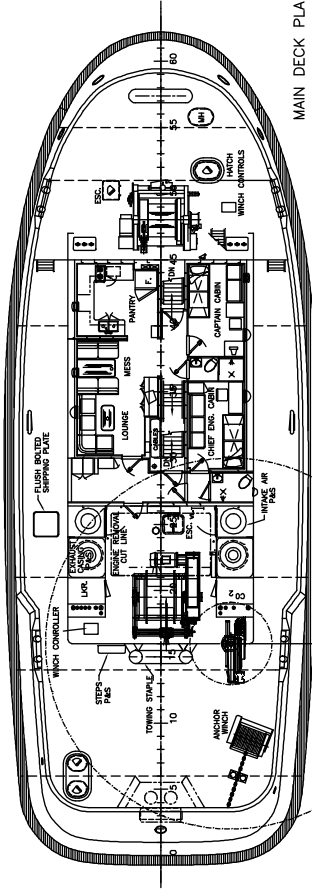
STERN VIEW



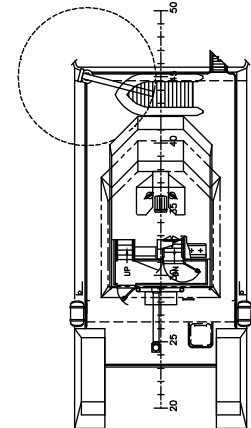
FRAMES SPACED 500mm



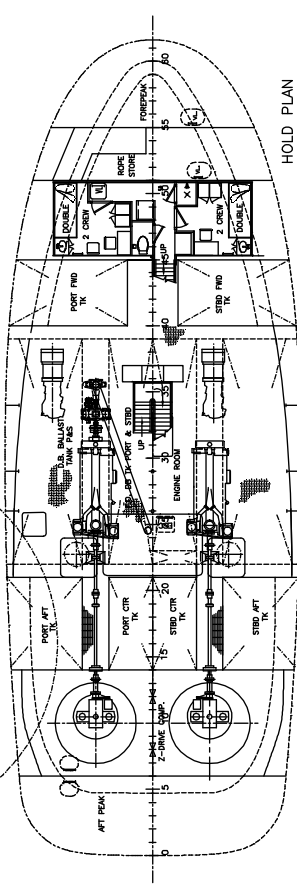
BOW VIEW



MAIN DECK PLAN



BOAT AND BRIDGE DECKS



HOLD PLAN

PARTICULARS

- LOA mld. : 30.80 m
- LOA extreme : 31.50 m
- BEAM mld. : 11.14 m
- BEAM extreme : 11.86 m
- DEPTH mid. at Lpp/2 (skeg not included) : 5.21 m
- DRAFT at Dwl : 5.05 m
- CREW : 3
- TRADE : 5 HARBOUR
- : 5 COASTAL
- : NORTH & BALTIC SEA

C	Corrected FIFI monitors etc.	20.10.2000	Ao.F.
B	Added box keel, bow thruster, FIFI	15.06.2000	V.F.
A	Revised by Carl J. Amundsen as	29.03.2000	Ao.F.
Drawn/checked by : V.Fjelland/Ao.F.			
MV "CARL"			
J.Johannsen & Sohn Seeschlepp und -transport GmbH			
TITLE:	GENERAL ARRANGEMENT	SCALE: 1:200/1:100	DATE:
ROBERT ALLAN LTD. and Carl J. Amundsen AS oage@carl-amundsen.no, +47 5272 6688		CAD FILE/DRAWING NO: G4revC	REVISION C
		SP. NO.: 101	PILOT DATE: