

**multifunction
port icebreaker**



Designed to fit
TUG40

Unique characteristics

Power **8 mW**

Length just **39 m**



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Bollard pull ahead

96,88 t

Escort mode reaction force

203,37 t



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Ice class **Icebreaker6**
Icebreaking **1.5 m**



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Length **39,54 m**

Breadth **14 m**

Speed **14,4 kn**

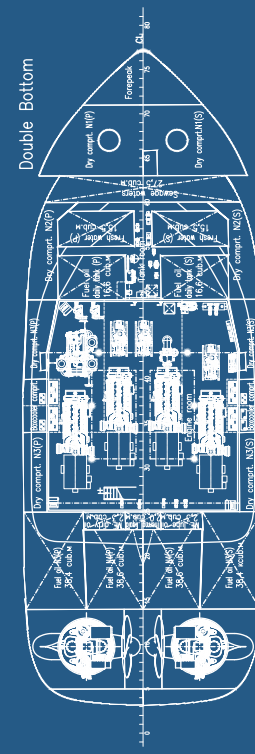
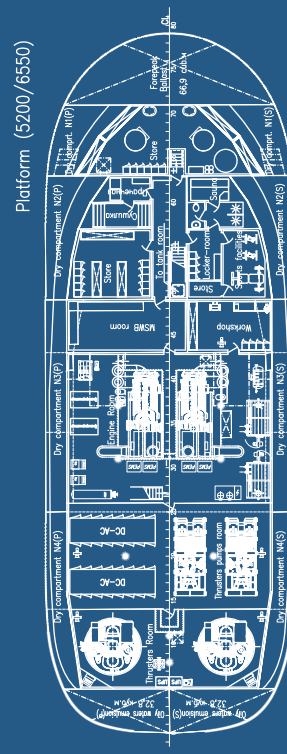
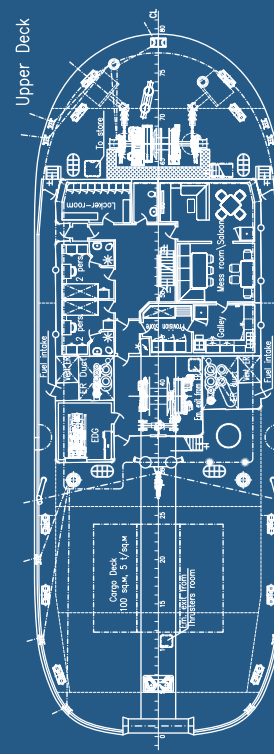
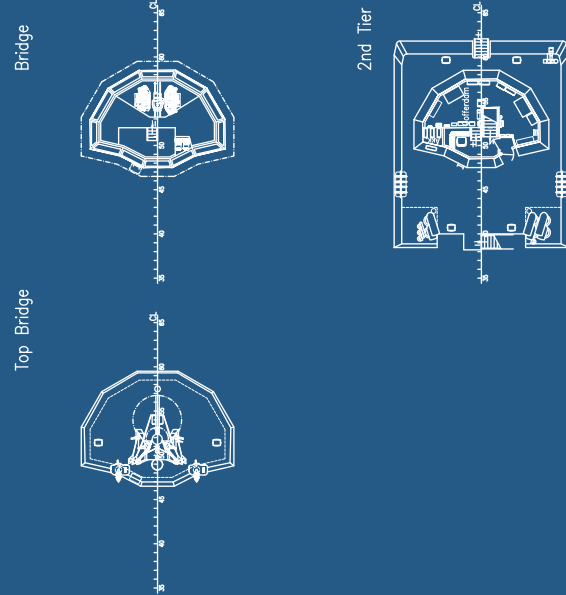
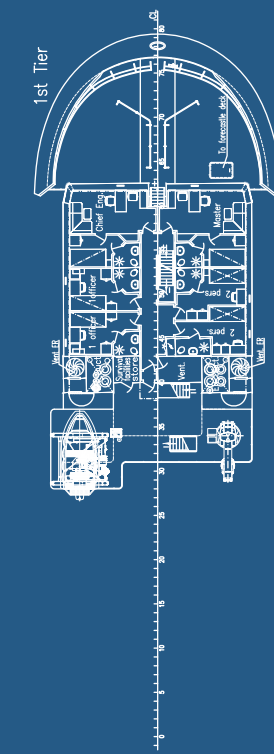
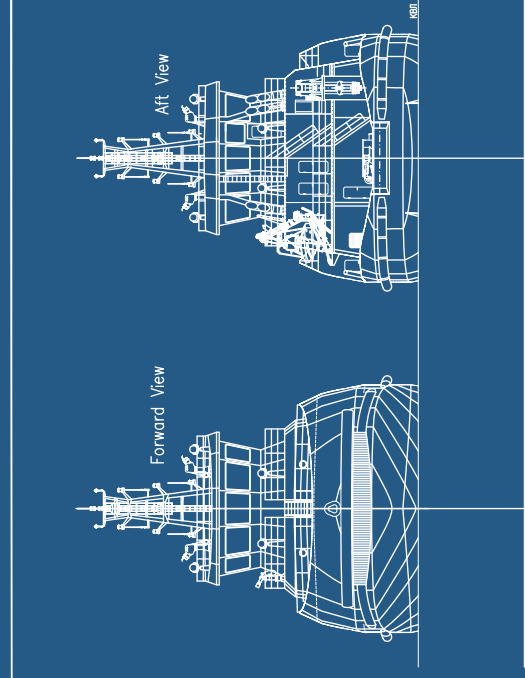
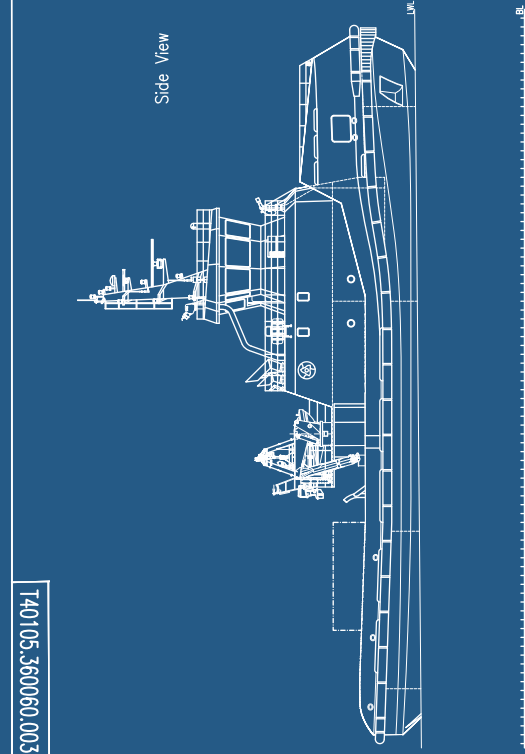


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Power on the propellers **7 mW**
Main generators **8 mW**



General arrangement plan



Main characteristics

Length overall, M	39.54
Breadth, M	14.00
Side depth, M	7.90
LWL draft, M	6.00
Draft overall, M	7.10
Displacement, t	1715
Deadweight, t	260
Power Main D/Gs (CAT 3516C), kW	441845
Asprop ICE 1400-12400-H2, kW	235500
Bollard pull, t	omega 90
Speed, kn.	14.00

Main stores

Fuel oil, cub.m
Fresh water, cub.m
Ballast, cub.m

[illegible]

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VESSEL CLASS: KM  **Icebreaker6** 1
AUT1 OMBO FF3WS EPP
Tug Oil recovery ship (>60 °C) Salvage ship IWS

TYPE: Escort tug, Salvage ship, Port icebreaker

CLASSIFICATION SOCIETY: RMRS

PARTICULARS

Length overall, m	39,54
Breadth, m	14
Depth, m	7,9
Draught, m	6
Draft with skeg, m	7,1
GRT, t	1018
NRT, t	305
Deadweight, t	260
Displacement, t	1715

PERFORMANCE

Total power, ekW	8088
Power on the screws, ekW	7000
Bollard pull ahead, t	96,88
Speed, kn	14,4
Navigation area	unlimited
Working temperature	from -50°C up to +30°C



ACCOMMODATIONS

Single cabin	4
Double cabin	4

DECK MACHINERY
(EQUIPMENT)

Fore anchor-towing escort winch	200m LANKO@FORCE rope Ø64mm
Aft hydraulic towing winch	700m steel rope Ø56mm
Anchor	AC-14, 855 kg x 2
Anchor chain	Steel Ø34 mm, 3 grade, 192.5 m x 2
Towing hook	SWL 100 t
After capstan	5 t
Deck crane	18 t at 7.65 m / 5.1 t at 18 m
Hydraulic towing pin	SWL 100 t

TANK CAPACITY

Diesel oil, t	260
Lube oil, t	2,07
Fresh water, t	30,9
Sewage, m³	27,5
Ballast, m³	223
Oily water, m³	15,1
Foam, m³	4,7
Tank for osr, m³	65,6

PROPULSION
MACHINERY

Main Generators	4 x Henan Diesel TBD622V16 (2200 ekW)
Propulsion system	2 x NGC NEPod
Auxiliary Generator	3 x 140 ekW
Emergency harbour generator	1 x 140 ekW



NAVIGATIONAL EQUIPMENT
AND CONTROL SYSTEMS

Radio Navigation area	A1, A2, A3, A4
Radio stations	SAILOR 6222 VHF DSC Class A, 2 sets SAILOR 6310 MF/HF 150 W System, 2 sets SAILOR SP3520 VHF GMDSS, 3 sets SAILOR SP3530 ATEX VHF, 4 sets SAILOR 6110 Inmarsat Mini C SAILOR 6110 GMDSS System
INMARSAT C	
Ship Earth Station	IRIDIUM 9801
Radar (S-band)	TRANSAS Navi-Radar 4000 MFD
Radar (X-band)	TRANSAS Navi-Radar 4000 MFD
Ice Radar	Sigma S6
ECDIS	GPS/GLONASS Ns4000
GPS	TRANSAS NAVI-SAILOR 4000, 2 sets
Gyrocompass	Sperry Marine NAVIGAT X MK2
Magnetic Compass	REFLECTA 1
NAVTEX	FURUNO NX-700B
GPS / GLONASS Receiver	SAILOR 6570 DGNSS SYSTEM, 2 sets
AIS transponder	TRANSAS T-105
Log	SKIPPER DL850
Depth Sounder	SKIPPER GDS 101, 2 sets
Heading Control System	RAYTHEON NautoPilot Np60
Meteorological Station	PERISCOPE WXT520
Machinery alarm warning system and Tank level control	BOENING
Oil Spill Detection and Monitoring System	RUTTER INC. sigma S6



