multifunction
port icebreaker

Designed to fit

TUG40

Craneship
shipyard

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**

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General arrangement plan

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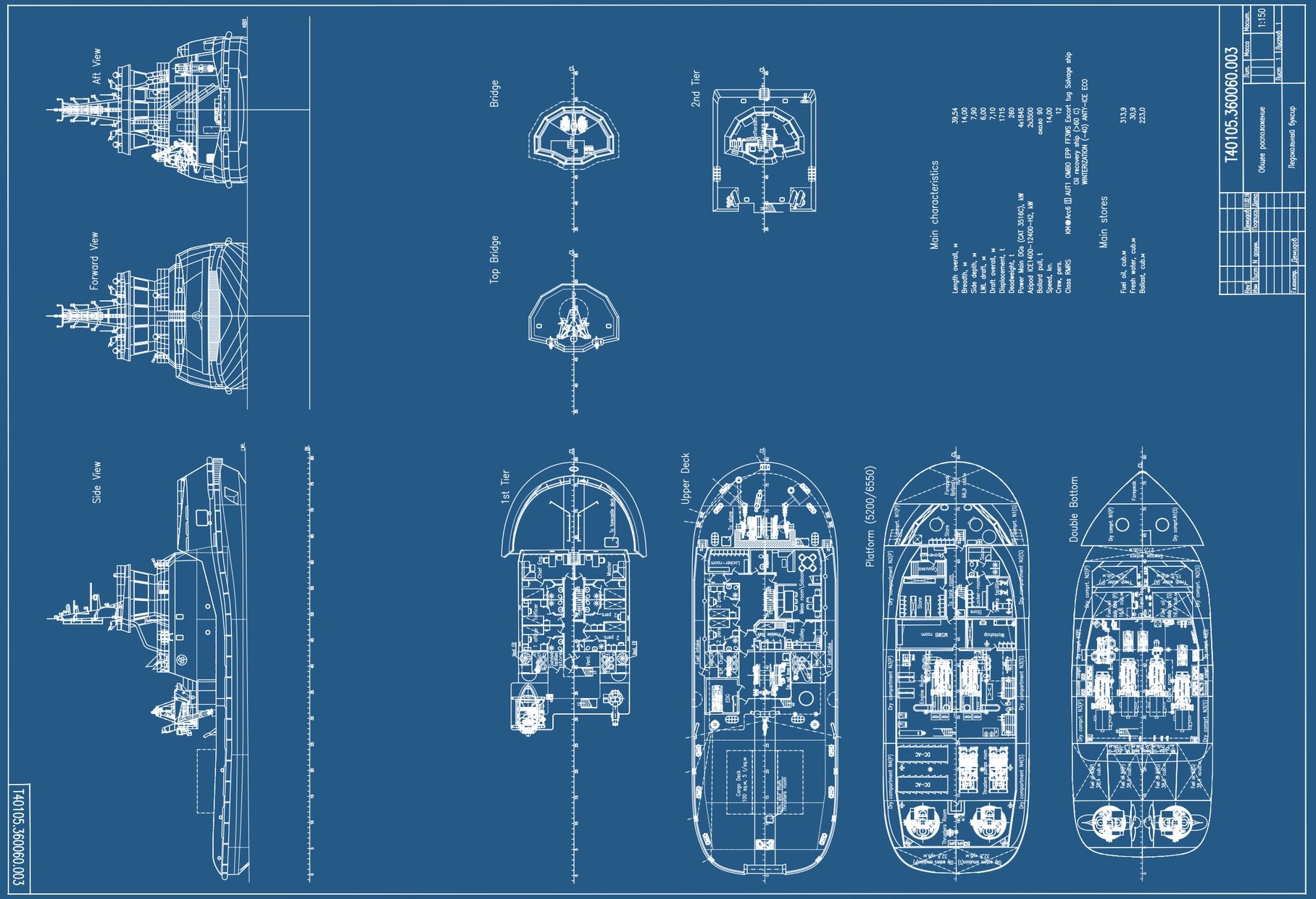
shipyard



TUG40
Designed to fit

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

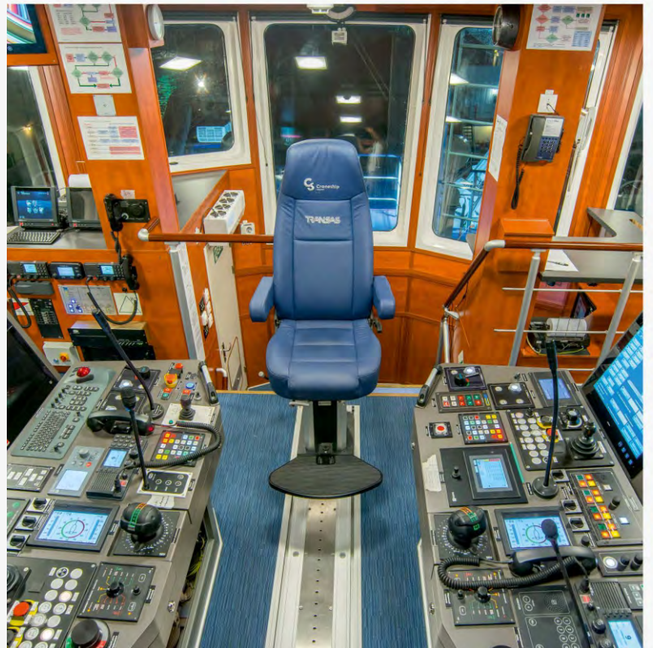
CLASSIFICATION SOCIETY: RMRS

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

TANK CAPACITY

Diesel oil, t	**260**
Lube oil, t	**2,07**
Fresh water, t	**30,9**
Sewage, m^3	**27,5**
Ballast, m^3	**223**
Oily water, m^3	**15,1**
Foam, m^3	**4,7**
Tank for osr, m^3	**65,6**

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**

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
INMARSAT C	**SAILOR 6110 GMDSS System**
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**

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