



Designed to fit
TUG31

TUG31
Designed to fit

Max output
5220-6308 bhp



TUG31
Designed to fit

Bollard pull
65-80 t



TUG31
Designed to fit

Main engine

**2 x HENAN DIESEL
TBD620V16-TBD622V16**



TUG31
Designed to fit

Speed
14,4 kn



TUG31
Designed to fit

Propulsion
**2 x NGC
AZIMUTH THRUSTER
NRP350**



TUG31
Designed to fit

Performance
ESCORT TOWING WINCH
TOWING WINCH
STEEL ROPE
TOWING HOOK
TOWING PIN
DECK CRANE
CAPSTAN



TUG31
Designed to fit

Radio
navigation area
A1+A2+A3



TUG31
Designed to fit

Ice class **ARC4-ICE2**



TUG31
Designed to fit

Performance **ESCORT MODE**



TUG31
Designed to fit

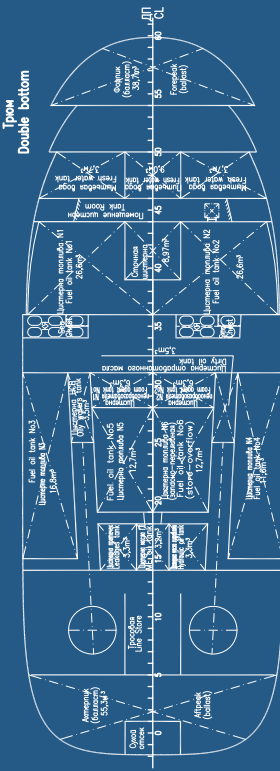
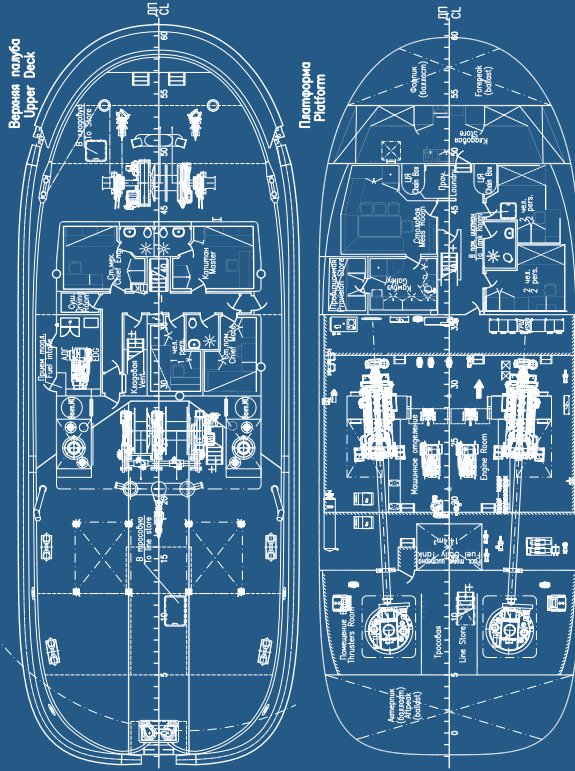
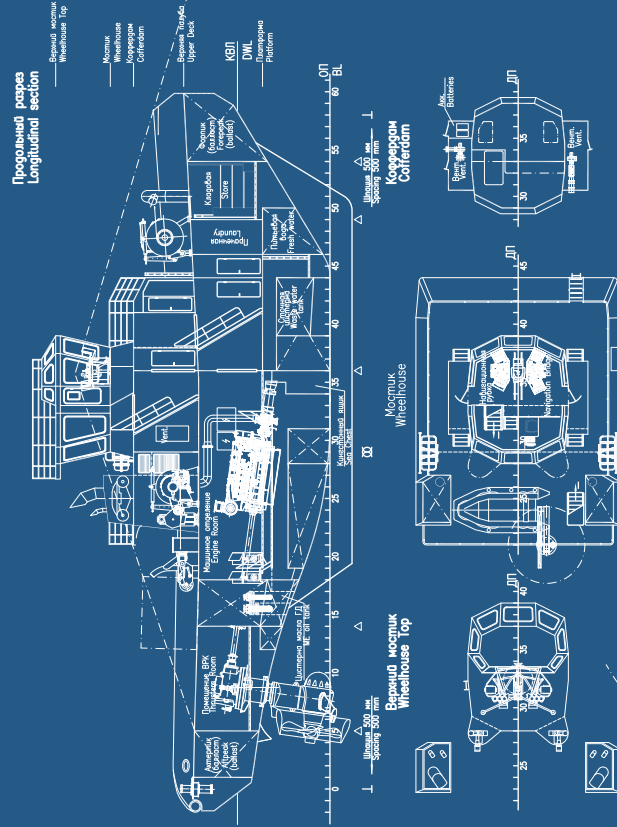
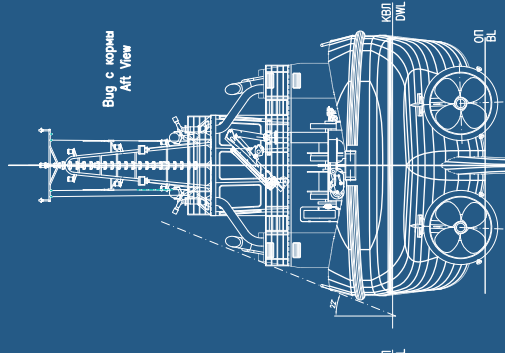
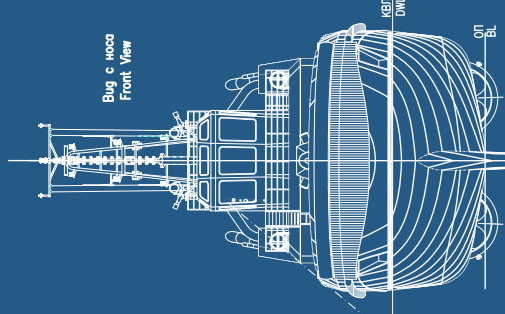
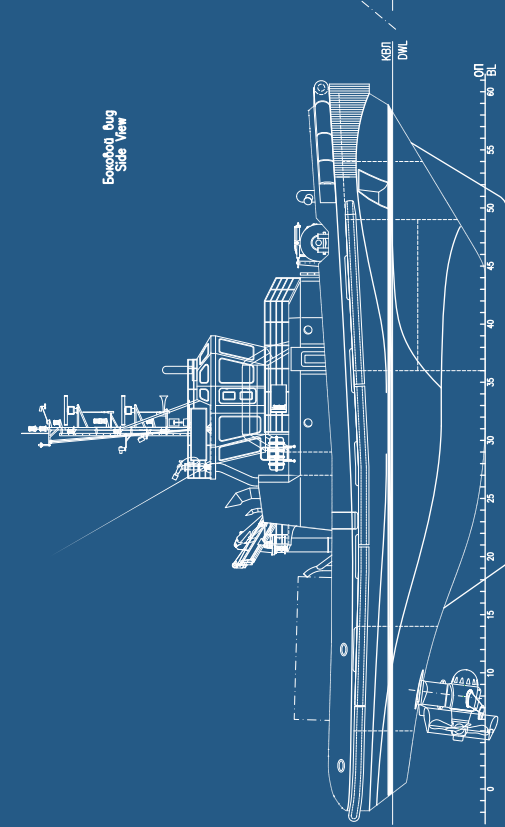
Performance **FIRE FIGHTING**



General arrangement plan

TUG31
Designed to fit

T3150.360060.003



Основные характеристики Main characteristics

Длина наибольшая, м Length O.A., m	30,87
Длина по КБЛ, м Length on DWL, m	29,00
Ширина, м Breadth, m	11,20
Весовая борта, м Depth, m	5,51
Осадка по КБЛ, м Draught to DWL, m	3,98
Осадка наибольшая, м Draught overall, m	4,93
Водоизмещение, т Displacement, t	710
Мощность ГЛ, кВт Main engine power, kWt	2х1920
Тяговое усилие, т Bollard pull, tons	70
Скорость, узл. Speed, knots	14,40
Число мест Complement, persons	8

КМ Ас4 R1 AUT1 OMB0 FE3WS Escort tug Salvage ship
Oil recovery ship (>60 C)

Т3150.360060.003		Общие расположение	
Длина	Масса	Полная	Мостик
30,87	710	11,20	1:100
Общие расположение		Полная	Мостик
Общие расположение		Полная	Мостик

TUG31

Designed to fit

TYPE: Escort tug / Salvage ship / Oil recovery ship (>60 °C)

VESSEL CLASS: KM  **Arc4**
Ice3  R1 AUT1 OMBO FF3WS Escort tug / Salvage ship
Ice2 Oil recovery ship (>60 °C)

CLASSIFICATION SOCIETY: RMRS

ICE CLASS	ARC4	ICE3	ICE2
TOTAL OUTPUT, BHP	5220	6080	6308
BOLLARD PULL, T	65	75	80

PARTICULARS

Length overall, m	30,87
Breadth, m	11,20
Depth, m	5,45
Draught, m	3,98
Draft with skeg, m	4,93
GRT, t	396
NRT, t	118
Deadweight, t	140
Displacement, t	699

PERFORMANCE

Total output, bhp	5220 - 6308
Bollard pull, t	65 - 80
Speed, kn	14,4
Radio Navigation area	A1+A2+A3
Working temperature	from - 25 °C up to +45 °C

TANK CAPACITY

Fuel, t	106,6
Lube oil, t	5,85
Fresh water, t	16,34
Sewage, m³	8,97

ACCOMMODATIONS

Single cabin	4
Double cabin	2

DECK MACHINERY
(EQUIPMENT)

Fore Hydraulic towing winch	Hydraulic; 150 m synthetic rope
Anchor	AC-14, 495 kg x 2
Anchor chain	Steel 28 mm, grade 3, 165 m x 2
Towing hook	SWL 100 t
Towing winch	Hydraulic; 700 m steel rope
After capstan	SWL 5 t
Deck crane	Hydraulic, SWL 0,9 t
Hydraulic towing pin	SWL 90 t

PROPULSION
MACHINERY

Main Engine	2 x Henan Diesel TBD620V16-TBD622V16 1920-2320 kW at 1650-1750 RPM
Propulsion system	2 x NGC AZIMUTH THRUSTER NRP350 Ø2600 mm
Auxiliary Generator	2 x 86 kW
Emergency Generator	1 x 36 kW

TUG31

Designed to fit

NAVIGATIONAL EQUIPMENT AND CONTROL SYSTEMS

Radio stations	VHF SAILOR RT-6222 MF/HF SAILOR 6310
INMARSAT C	FURUNO FELCOM-18 JRC JUE-85LT/SSAS
EPIRB	SAILOR SE-406 II
SART	SAILOR SART II
Two-way VHF radiotelephony	SAILOR SP 3520
AIS transponder	SI-30AR SAMYUNG
NAVTEX	FURUNO NX-700A
GPS	FURUNO GP-150
Radar	FURUNO FAR-2x17BB/DC
Auto Pilot	NAVITRON NT-888G
Echosounder	JMC F-2000
Magnetic Compass	CASSENS&PLATH GMBH Reflecta1
Gyro Compass	YOKOGAWA, CMZ-900B
Public address system	SPA-1500, JOTRONPHONETECH AS CIS
Command Intercom System	3000, JOTRONPHONETECH AS
Machinery alarm warning system and Tank and structures level control	DZA07, Boning Automationstechnologie



