

Designed to fit  
**TUG14**



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Length **14.50 m**  
Output **1200-1360 bhp**  
Ice class **Ice3-Ice2**  
Bollard pull **15-18 t**



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Radio navigation area

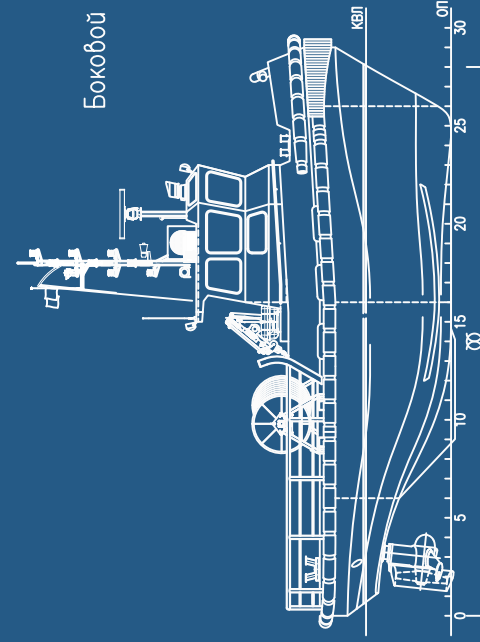
**A1**



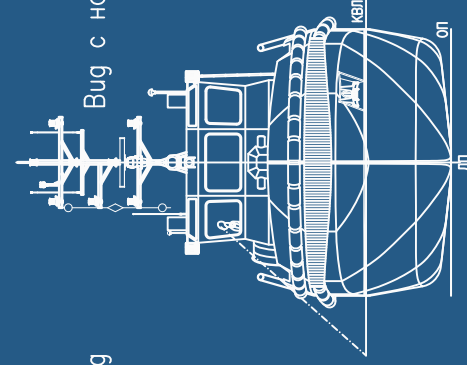


# General arrangement plan

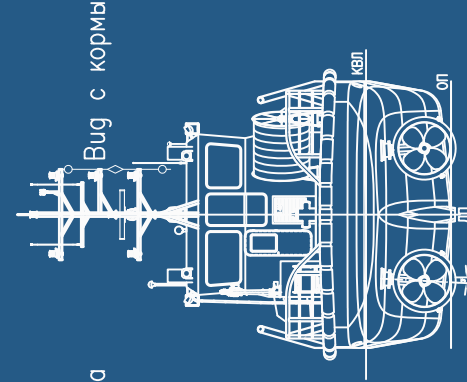
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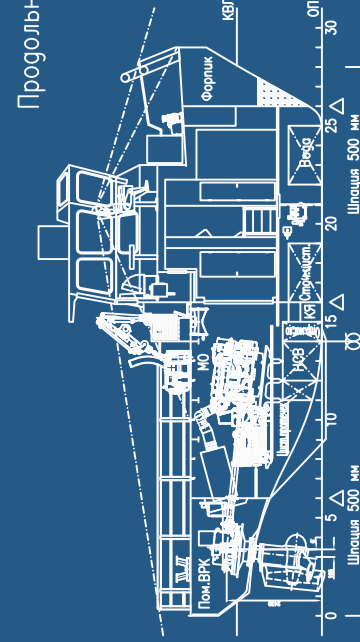
## Боковой вуг



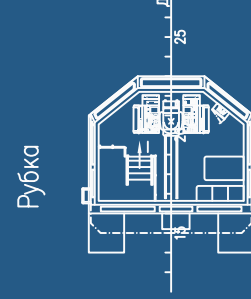
Bug c Hoca



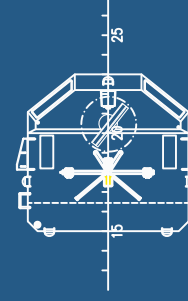
Вид с кормы



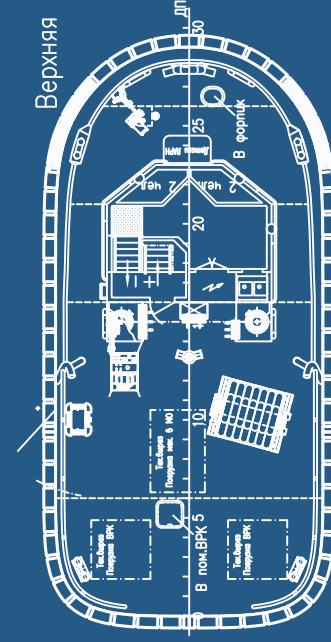
## Продольный разрез



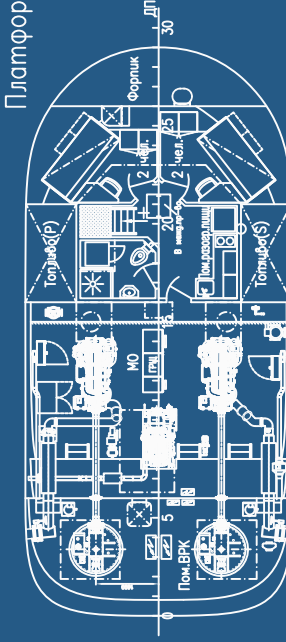
## Рубка



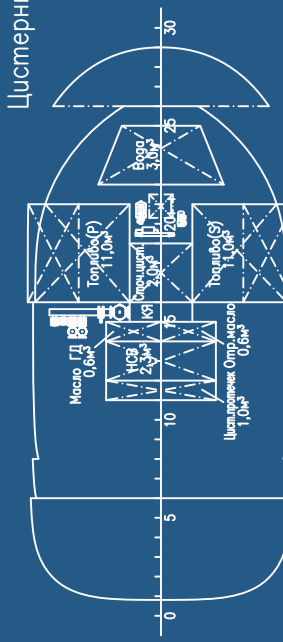
Крыша рубки



## Верхняя палуба



## Платформа



## Цистерны

## Основные характеристики

|                     |                               |
|---------------------|-------------------------------|
| Длина наибольшая, м | 14,50                         |
| Ширина, м           | 6,80                          |
| Высота борта, м     | 3,25                          |
| Осадка по КВЛ, м    | 2,17                          |
| Водоизмещение, т    | 121,7                         |
| ВРК                 | US105P6P Nozzle d=1300        |
| ГД                  | CAT C18                       |
| Мощность ГД, ЛС     | от 1200—1360                  |
| Упор, т             | от 15 до 18                   |
| Скорость, узлы      | 10,0                          |
| Число мест          | 4                             |
| Ледовый класс       | ice3—ice2                     |
| Класс               | КМ ⊕ ice2(hull, power) R3 Tug |

[illegible]

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TYPE: Tug

VESSEL CLASS: KM  (hull, power) R3 Tug

CLASSIFICATION SOCIETY: RMRS

| ICE CLASS         | ICE3 | ICE2 |
|-------------------|------|------|
| TOTAL OUTPUT, BHP | 1200 | 1360 |

|                 |    |    |
|-----------------|----|----|
| BOLLARD PULL, T | 15 | 18 |
|-----------------|----|----|

PARTICULARS

|                   |        |
|-------------------|--------|
| Length overall, m | 14,50  |
| Breadth, m        | 6,80   |
| Depth, m          | 3,25   |
| Draught, m        | 2,17   |
| GRT, t            | 62     |
| NRT, t            | 19     |
| Deadweight, t     | 27,23  |
| Displacement, t   | 121,70 |

PERFORMANCE

|                       |                           |
|-----------------------|---------------------------|
| Total output, bhp     | 1200 - 1360               |
| Bollard pull, t       | 15 - 18                   |
| Speed, kn             | 10,00                     |
| Radio Navigation area | A1                        |
| Working temperature   | from - 15 °C up to +29 °C |

TANK CAPACITY

|                |       |
|----------------|-------|
| Fuel, t        | 18,72 |
| Lube oil, t    | 0,56  |
| Fresh water, t | 2,97  |
| Sewage, m³     | 1,97  |

ACCOMMODATIONS

|              |   |
|--------------|---|
| Double cabin | 2 |
|--------------|---|

DECK MACHINERY (EQUIPMENT)

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Anchor windlass   | DATA HIDROLIK MAKINA SANAYI A.S.<br>DZC 901 EB/P-12L/2 Ø12,5 mm |
| Anchor chain      | 1 x STEEL 12.5 mm,<br>GRADE 2, 110 m                            |
| Anchor            | 1 x AC-14, 100 kg                                               |
| Bow towing bitt   | 1 x TOW 20 t                                                    |
| Stern towing bitt | 1 x TOW 20 t                                                    |
| Deck crane        | PALFINGER PC 1500A                                              |
| Aft capstan       | FLUIDMECANICA<br>CV-500-IC-RED-E-BITT                           |

PROPULSION MACHINERY

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| Main Engine               | 2 x CATERPILLAR C18 670 hp                              |
| Propulsion system         | 2 x KONGSBERG AZIMUTH THRUSTER<br>US 105 P6FP, Ø1300 mm |
| Auxiliary Generator       | 1 x CATERPILLAR C 4.4 DITA (42.7 kW)                    |
| Wet marine exhaust system | CEN TEK INDUSTRIES INC.                                 |

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## NAVIGATIONAL EQUIPMENT AND CONTROL SYSTEMS

|                                                                            |                                            |
|----------------------------------------------------------------------------|--------------------------------------------|
| Radio stations                                                             | SAILOR 6222 DSC                            |
| EPIRB                                                                      | JOTRON Tron 60S                            |
| AIS SART                                                                   | McMurdo SmartFind S5A                      |
| Two-way VHF radiotelephony                                                 | SAILOR SP 3520                             |
| NAVTEX                                                                     | FURUNO NX-700A                             |
| GPS                                                                        | SAILOR 6560 GNSS                           |
| WWS                                                                        | DEIF WSS-550                               |
| Radar                                                                      | FURUNO FAR-1518                            |
| Auto Pilot                                                                 | NAVITRON NT-888G                           |
| Echosounder                                                                | JMC F-2000                                 |
| Magnetic Compass                                                           | CASSENS&PLATH GMBH<br>TYPE/21 (REFLECTA/3) |
| ECDIS                                                                      | NAVI-SAILOR 270                            |
| Public address system                                                      | TPA-1007                                   |
| Machinery alarm warning<br>system and Tank and<br>structures level control | BOENING<br>AUTOMATIONSTECHNOLOGIE GMBH     |



