

ARCTIC

Multipurpose AHTS



MORWENNA
Shipping Company

- Barges • Pusher & Towing Tugs • All kinds of towages •
- Heavy Lift & OOG Shipments • Technical management •

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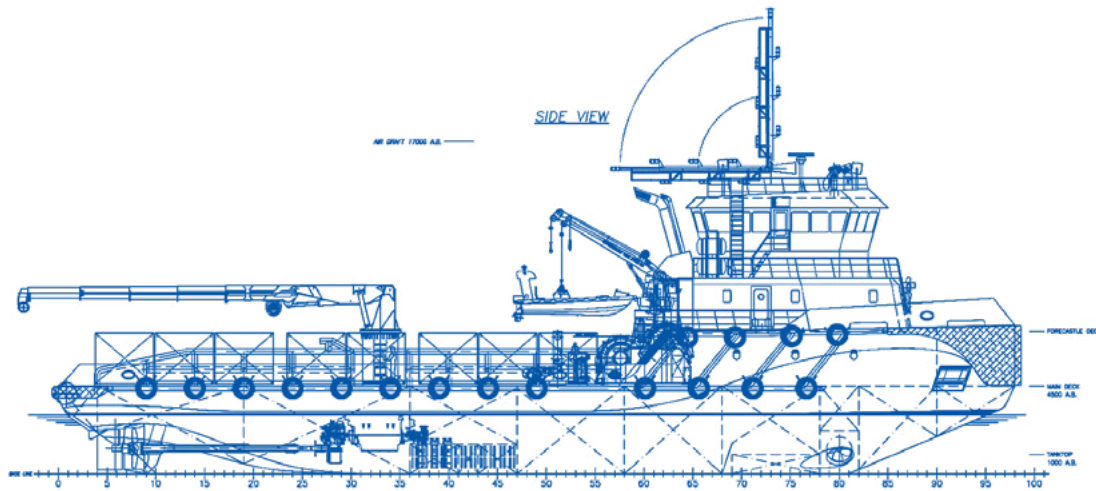
АРКТИК • АНТС • Type АНТ Ice Class 1А



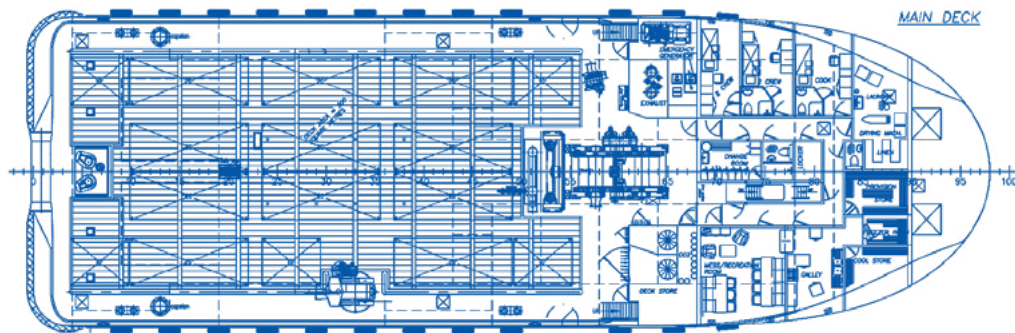
CLASS:

RINA, C Tug; supply vessel - anchor handling; fire-fighting ship - 1 - water-spraying; additional class notations: AUT-UMS | Ice Class: 1A

IMO / FLAG:	LENGTH OVERALL _{MAX} :	DRAFT:
9658288 / Russia	49,60 m	2,50 m / 3,78 m
PLACE OF BUILD:	BREADTH _{MAX} :	POWER:
Turkey, Altnova	16,50 m	4465 h.p. / 2x 1641 kW
YEAR OF BUILD:	DEPTH:	BOLLARD PULL:
2012	4,50 m	46 t



Side view



Top view

PROPULSION

MAIN ENGINES:	2x Cummins QSK60-M (2x 1641 kW)
POWER:	4465 h.p. / 3282 kW
DESIGN BOLLARD PULL:	46,60 t
PROPELLERS:	2x CPP in nozzles
RUDDERS:	Twin rudders after each propeller
BOW THRUSTER:	1x 370 kW BERG

AUXILIARIES

DIESEL GENERATOR SETS:	2x Cummins KTA19-DM (2x 335 kW)
HARBOUR GENSET:	1x Cummins 6CT8.3-D(M) (1x113 kW)
EMERGENCY GENSET:	1x Cummins 6CT8.3-D(M) (1x136 kW)
FRESHWATER CARGO PUMP:	ILNC 050\200B (50 m ³ /h)
CARGO FUEL PUMP:	KRAL KV-1301 (75 m ³ /h)

The above data contains vessel's project specification. For more details of each vessel please refer to the construction, registry and other documents.

CAPACITIES

DECK AREA:	313,00 m ²
BALLAST WATER:	223,85 m ³
DIESEL FUEL:	370,00 m ³
DIESEL OIL:	23,10 m ³
POTABLE WATER:	184,00 t
DESALINATION UNIT:	13,50 m ³ /day
SEWAGE:	320,00 m ³
SEWAGE TREATMENT UNIT:	1,44 m ³ /day
BILGE WATER:	39,00 m ³
DIRTY OIL:	7,30 m ³
DECK LOAD:	5,00 t/m ²
DECK CARGO:	125,00 t

ACCOMODATION

CABINS:	10
CREW / PASSENGERS _{MAX} :	12 / 9
TOTAL POB:	21



LIFE SAVING APPLIANCES & EQUIPMENT

LIFEJACKETS:	24x
WORKBOAT:	G-FRB2-O 1x 6 persons
LIFERAFTS:	Viking 4x 16 persons
IMMERSION SUITS:	24x
PYROTECHNICS:	Available
SOLAS / MARPOL:	Applicable
DAVIT:	GD.KHK-20\6,5
FI-FI PUMPS:	2x SNT 250-550
FI-FI MONITORS:	2x FJM-200
SYSTEM OF AEROSOL FIRE-FIGHTING:	Available
FI-FI FOAM SYSTEM:	Available

TOWING & ANCHOR HANDLING

TOWING WINCH:	MG AHTW0812M10044, double drum in waterfall configuration
MAIN WINCH SPECIFICATION:	75 t pull @ 5 m/min
TOWING WINCH DRUM CAPACITY:	44 mm x 750 m
AH/TOWING DRUM CAPACITY:	44 mm x 500 m
TUGGER WINCH:	MG-HUW-1030UL 10 t pull @ 15 m/min
TUGGER WINCH DRUM CAPACITY:	25 mm x 100 m
HYDRAULIC DECK CRANE:	HLRM 200/18-4SL 1x 5,1 t @ 18 m, 1x 10 t @ 8 m
TOWING PINS:	2x Karmoy Winch 160 t SWL
SPARE TOWING TOWLINE:	44 mm x 550 m
STERN ROLLER:	1x 100 t SWL
ANCHORS:	3x 1000 kg DZ-6 HHP
CHAIN LOCKERS:	36 mm anchor chains 2x 175 m
MOORING WINCH:	2x MG-HVC-1045

RADIONAVIGATION EQUIPMENT

CALL SIGN:	UBDJ9
MH/HF RADIOTELEPHONE:	1x Furuno FS-1570
VHF (C/W DSC) RADIOTEL.:	3x Furuno FM-8800S
INMARSAT:	2x Furuno Felcom-15 Inmarsat-C
SATCOM:	1x Furuno Inmarsat Felcom-250
GMDSS:	Area A1+A2+A3 (Inmarsat)
NAVTEX:	Furuno NX-700A
MAGNETIC COMPASS:	Tokyo-Keiki SH-165A1
GYRO COMPASS:	Tokyo-Keiki TG-8000
LOG:	Furuno DS-80
GPS:	Furuno GP-150
AUTOPILOT:	Alphatron MFC
RADAR:	2x Furuno FAR-2117
ECHO SOUNDER:	Furuno FE-700
ECDIS:	Transas Navi-sailor 270 / Navi-Planner 4000
AIS:	Transas T-104



TUGS & AHTS • 740 – 23 500 H.P. • 28 UNITS



LIFTING
WHEELHOUSE

3450 H.P.

Multipurpose AHTS • Ice class IC



4465 H.P.

Multipurpose AHTS • Ice class IA



4896 H.P.

Multipurpose AHTS • Ice class IA



DP2 AVAILABLE

23500 H.P.

Multipurpose AHTS



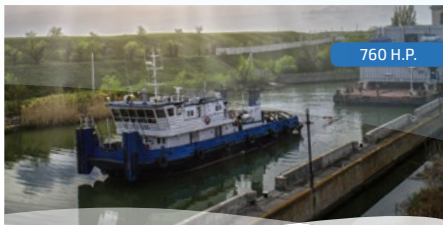
2230 H.P.

Multipurpose AHTS • Ice Class ICE



2416 H.P.

Multipurpose AHTS • Ice Class ICE



760 H.P.

Pusher Tug RT-600 Type • Ice Class (Ice 10)A



930-1224 H.P.

Pusher Tugs BTO Type • Ice Class (Ice 30)A



1400 H.P.

Tugs MB Type • Ice Class IC



2000 H.P.

Pusher Tug OT-2000 Type • Ice Class IC



2400 H.P.

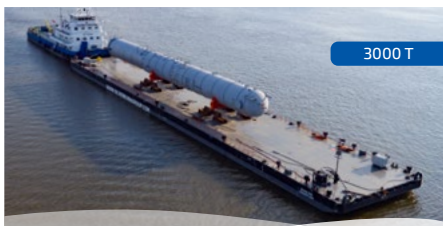
Pusher Tugs OT-2400 Type • Ice Class (Ice 20)A



800 H.P.

Pusher Tug OTA-800 Type • Ice Class (Ice 20)

RORO & FLAT TOP BARGES • 2000 – 5500 T CAPACITY • 37 UNITS



3000 T

RORO-pontoons, prj. 8916 • IC, NAABSA1, IWS



4963-5500 T

RORO-pontoons, prj. 9516 • Unrestricted navigation



3360 T

Flat-top barges prj. 03060 • R2-RSN / R3-RSN



2040 T

Flat-top barges prj. ME2010 • R2-RSN



2200 T

RORO-pontoons, prj. 16801 • R2-RSN (4,5)



ALSO FOR LOW-VISCOSITY
OIL & DIESEL OIL

2032 T / 2200 M³

Chemical barge • II R3 oil/chemical tanker type 3



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