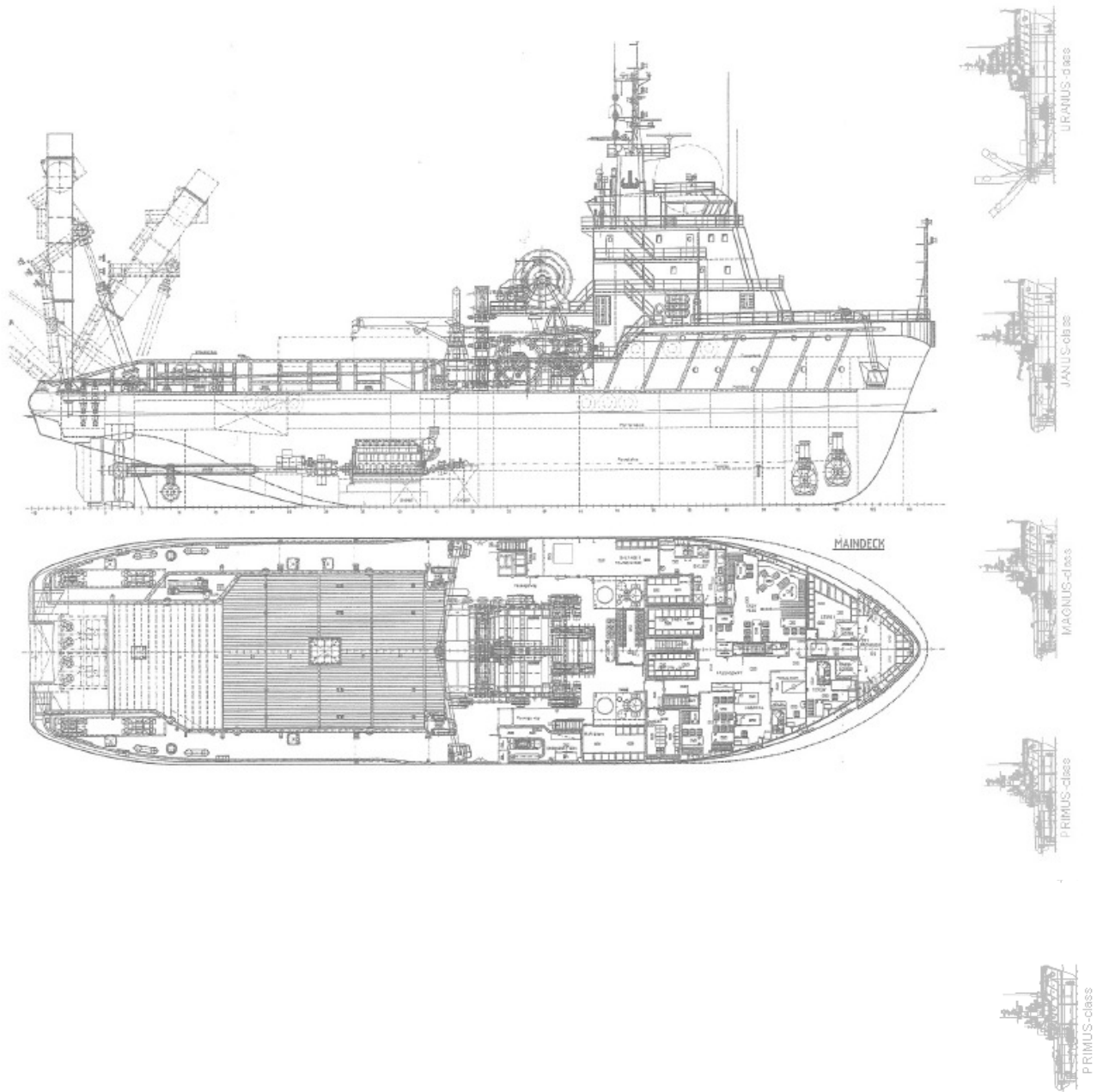




AHT "ORCUS"

Min. 280 t bollard pull cont. – 24.500 bhp – built 2009





General data	Owner	Harms Offshore AHT "ORCUS" - Hamburg, Germany	
	Type	Anchor Handling Tug	
	Design	MAN Ferrostaal AG / Hitzler Werft	
	Classification	Germanischer Lloyd + 100 A5 E2 Deep Sea Tug Boat (Nav-A4) + MC E2 AUT, FF1, DP 2	
	Delivery	2009 – Mützelfeldt Yard, Cuxhaven	
	Call sign	V2ED4	
	IMO number	9398541	
	Basic functions	Long distance towing/ anchor-, hose handling/ berthing/ fire fighting/ salvage	
Main Dimensions	Crew, min	15	
	Dimensions	Length o.a.:	74,30 m
		Length b.p.:	66,65 m
		Beam o.a.:	18,50 m
		Depth to maindeck:	9,50 m
		Max. Draught:	8,00 m
Tonnage	GRT	3.727	
	NRT	1.118	
Towing / Anchor Handling	Bollard pull	min. 280 t cont. at 18.000 kW	
	Winch	electr. driven 250/ 500 t at 7,5/ 3,5 m/min	
	Capacity	1 x 1.900 m, 83 mm Ø + 2 x 2.300 m, 83 mm Ø	
	Main towing wire	2.000 m, 83 mm Ø	
	Spare wire	1.600 m, 83 mm Ø	
	Working wire	1.200 m, 83 mm Ø	
	Storage Winch	1.600 m, 76 mm Ø	
	Secondary/ Storage Winches	2 pieces electr. driven 130 t at 1 st layer	
	Cable lifter	2 x 1.600 m of 230 mm diam. syntetic rope	
	Chain locker capacity	2x 3"	
		2 x 93 cbm	
A-Frame		Portable A-frame	
		200/ 250 t SWL, Outreach -13 m until +9 m Electro-hydraulic operated with external power pack	
Tank Capacities	Heavy fuel oil	3.420 cbm	
	Marine gas oil	172 cbm	
	Fresh water	83 cbm	
	Ballast water	316 cbm	
	Luboil, Sludge, Fuel Overflow	157 cbm	
Salvage Equipment		2 portable diesel-driven salvage pumps	
		Fast rescue boat	
		Workboat with 50 bhp outboard engine	





Nautical / Communication Equipment

Searchlights	3 x remote controlled
Gyro compass	3 x
Radar system	5` Band Atlas 1.000, 14` Band Atlas 1.000
GMDSS equipment	A3
DP system	DP2

Inmarsat Phone / Fax / Email / Telex
All modern nautical equipment to highest standard

Auxiliary Equipment

Shaft generators	2 x 2.000 kW
Generator set	2x MAK 3412DITA
Capacity	625 kVA, 50 Hz, 230/ 400 V
Fire fighting pump	2 x 1.200 cbm/ hr. each at 14 bar
Bowthruster	2 x electr. Driven 1200 kW CPP each
Sternthruster	1 x electr. Driven 400 kW CCP

Deck lay-out

Deck area	315 sqm
Clear Deck	90 sqm and 225 sqm
Tugger winches	2 x, 10 t at 15 m/min
Deck crane	2 x Hydraulic crane 4 t at 12 m
Shark Jaws	2 pcs. Karm Fork, Karmoy, 650/ 300 t SWL
Fork/Towing pins	Karmoy, 650/ 300 t SWL
Stern Roller	300 t SWL, 5,00 m length, 2,00 m Ø
Anchor	2 high speed anchor winches warping head

Speed / Consumption

Maximum	abt. 18,0 kn
Economical	abt. 12,0 kn

Propulsion System

Main engines	4 x 4.500 kW (9 MC 32)
Max power	18.000 kW at 600 rpm
Gearboxes	2 x twin in with clutch - single out
Propulsion	2 x controllable pitch propeller
Diameter	2 x 45200 mm in HR nozzles
Rudders	2 x flap type high performance rudders

Accommodation

Total Capacity	59 persons
officer single berth cabins	9
crew double berth cabins	19
passengers cabins	3x 4 berth cabins
Hospital	1x 2 berth cabin

