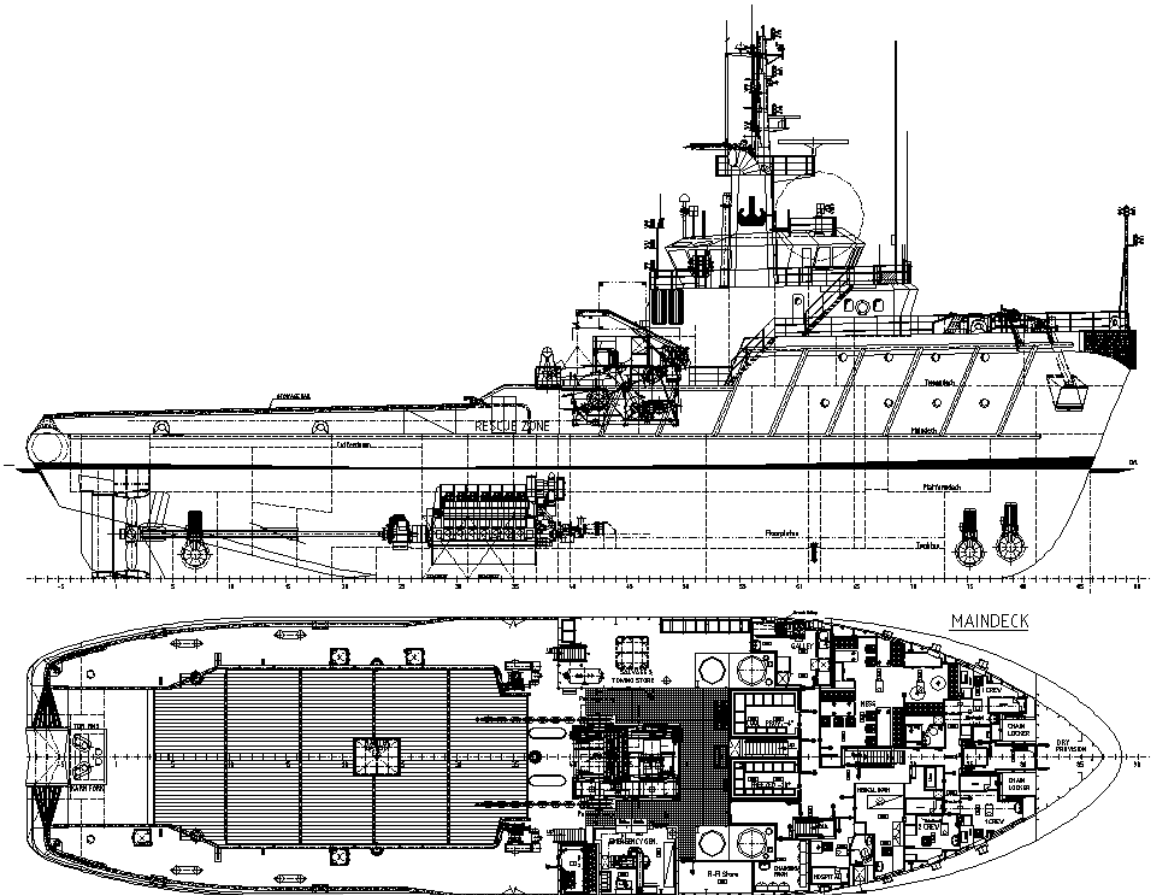




AHT "MAGNUS"

192 t bollard pull cont. – 19.000 bhp – built 2006





General	Owner	Harms Offshore AHT "MAGNUS" - Hamburg, Germany	
	Built	2006 – Mützelfeldt Yard	
	Registered	St. John`s	
	Flag	Antigua & Barbuda	
	Call sign	V2BX5	
	Classification	Germanischer Lloyd 100 A5 E2 with freeboard 1.060m Deep Sea Tug Boat (Nav-A4) + MC E2 AUT, FF1, DP 2 9344966	
	IMO number	9344966	
Main Dimensions	Crew, min	11	
	Dimensions	Length o.a.:	58,58 m
		Beam o.a.:	14,80 m
		Depth to maindeck:	7,65 m
		Max. Draught:	5,82 m
	Basic functions	Long distance towing/ anchor-, hose handling/ berthing/ fire fighting/ salvage	
Tonnage	GRT	1767	
	NRT	530	
Accomodations	Total Capacity	21 persons	
	officer single berth cabins with separated bedroom	4	
	crew single berth cabins	9	
	double berth cabins	2	
	four berth cabin	1	
Towing / Anchor Handling	Bollard pull	192,1 t cont. at 14.000 kW	
	Winch	Hatlapa E-DD-Towing Winch 2000/3200kn electr. driven 100/ 200 t at 15/ 7,5 m/ min	
	Main towing wire	1.600 m, 76 mm Ø	
	Spare wire	1.200 m, 76 mm Ø	
	Working wire	300 m, 76 mm Ø	
	Storage winch	1 x 1.200 m, ø 76 mm	
	Cable lifter	3,5 " to 5 "	
Chain locker	2 * 33,75 cbm		
Tank Capacities	Heavy fuel oil	1.115 cbm	
	Marine diesel oil	124 cbm	
	Fresh water	77 cbm	
	Evaporator	7 cbm/24h	
	Ballast water	140 cbm	





Salvage Equipment

2 portable diesel-driven salvage pumps
Workboat with abt. 50 bhp outboard engine

Nautical / Communication Equipment

Searchlights	3 x remote controlled
Gyro compass	3 x
Radar system	2 x SAM 1002T
GMDSS equipment	A4
DP system	DP2 Nautronix NMS6000
	L3 Communication
Inmarsat Phone / Fax / Email / Telex	
All modern nautical equipment to highest standard	

Auxiliary Equipment

Shaft generators	2 x 1.500 kVA
Generator set	2 x MAN D 2842 LE 301, 500 kW
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 400 kW CPP
Sternthruster	1 x electr. driven 400 kW CPP

Deck lay-out

Deck area	205 sqm
Tugger winches	2 x 10 t at 15 m/ min
Deck crane	Hydraulic crane 2,6 t at 14 m
Fork/towing pins	Karmoy, 300 t SWL
Stern Roller	300 t SWL, 3,00 m length, 2,00 m Ø
Anchor	2 high speed anchor winches warping head

Speed/ Consumption

Maximum	16KN, 51cbm/24h
Economical	12,5KN 30 cbm/24h

Propulsion System

Main engines	2 x MAN B&W 14V32/ 40 each 14 Cylinder
Max power	14.000 kW at 750 rpm
Gearboxes	2 x Renk AG
Propulsion	2 x controllable pitch propeller
Diameter	2 x 3.800 mm in HR nozzles
Rudders	2 x flap type high performance rudder

