



## ORCA VI

### GENERAL

TYPE	Damen STAN Tug 4011
BUILT	PT Dumas Surabaya Indonesia March 2010
CLASSIFICATION	Lloyd's Register ⚓ 100A1 Tug (⚓) LMC
UMS	
IMO NUMBER	9559781
FLAG	Panama
CALL SIGN	HP-5863
GROSS TONNAGE	696
NET TONNAGE	186
DEADWEIGHT	500 ton

### DIMENSIONS

LENGTH O.A.	40.75 m
BEAM O.A.	11.22 m
DEPTH AT SIDES	5.00 m
DRAUGHT AFT	5.12 m
DISPLACEMENT	1245 ton

### TANK CAPACITIES

FUEL OIL	330.5 m <sup>3</sup>
FRESH WATER	54.3 m <sup>3</sup>
FOAM	29.9 m <sup>3</sup>
LUBRICATING OIL	m <sup>3</sup>
DIRTY OIL	5.6 m <sup>3</sup>
SEWAGE	m <sup>3</sup>
SLUDGE	3.1 m <sup>3</sup>
BILGEWATER	11.2 m <sup>3</sup>
DISPERSANT	8.9 m <sup>3</sup>
WATERBALLAST	m <sup>3</sup>

### PERFORMANCE

BOLLARD PULL AHEAD	73.0 ton
SPEED AHEAD	12.0 knots

### PROPULSION SYSTEM

MAIN ENGINES	2 x Caterpillar 3516B TA HD / C
TOTAL POWER	3728 bkW (5000 bhp) at 1600 rpm
GEARBOXES	2 x Reintjes WAF 873
PROPULSION	2 x bronze Kaplan FFP
NOZZLES	2800 mm Van de Giessen Optima
STEERING SYSTEM	HP rudders, powered hydraulic steering

### ACCOMMODATION

Air-conditioned accommodation for 10 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and Bolidt floating floors. Captain, Chief engineer cabin, four double crew cabins, galley, mess room and sanitary facilities

### AUXILLIARY EQUIPMENT

MAIN GENERATOR SETS	2 x Caterpillar C9 230/400 V, 150 kVA, 50 Hz
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HARBOUR GENERATOR SET	Caterpillar C4.4T 64 kVA
EMERGENCY GENERATOR SET	Caterpillar C4.4NA, 45 kVA
BILGE PUMPS	2 X STERLING 50 m <sup>3</sup> /HR
BILGE WATER SEPARATOR	Facet CPS 2.5 MkIII, 0.5 m <sup>3</sup> /hr
FUEL OIL PURIFIER	Westfalia OTC 2-02137
FRESH WATER PRESSURE SET	Sihi HBK 201 AOHA 1202 110 liter
FRESH WATER HEATER	Gesta 120 litres
FRESH WATER MAKER	Aquamar 4.8 m <sup>3</sup> /day
SEWAGE PLANT	Hamman

### DECK LAY OUT

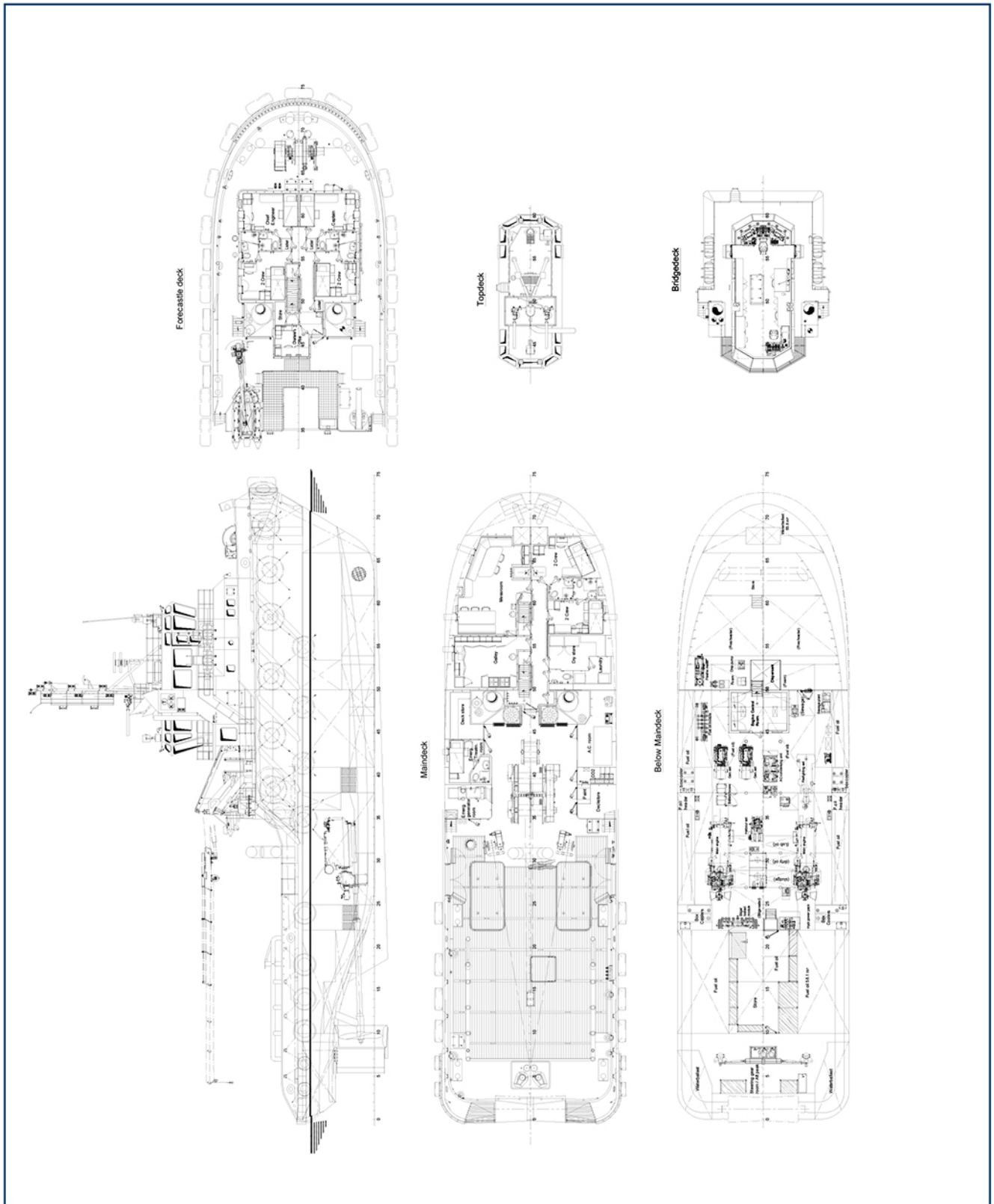
ANCHORS	2 x 675 kg Pool (high holding power)
ANCHOR/TOW WINCH	Kraayeveld single drum 10 ton 11m/min.
AH/TOWING WINCH	Double drum waterfall type 10/29 m/min. 8-00 m towing wire, 52 mm
CAPSTAN	5 ton at 15m/min. Electrically driven
CRANE	Heila HLRM 45+3S+3PM, 1.35 ton at 17.04 m
TOWING HOOK AFT	Mampae SWL 1000 kN
TUGGER WINCHES	2 x Kraayeveld, 7.5 ton at 15 m/min

### NAUTICAL AND COMMUNICATION EQUIPMENT

SEARCH LIGHT	2 x Pesh 1000 W
RADAR SYSTEM	2 x X-band
SATELLITE COMPASS	Furuno SC-50
AUTO PILOT	Simrad AP-50
GPS	Furuno GP-150
ECHO SOUNDER	Furuno FE-700
VHF RADIO TELEPHONE	2 x Sailor RT5022 with DSC
NAVTEX	Furuno NX-700
AIS	Furuno FA-150
SSB	Furuno FS-1570
SPEEDLOG	Furuno DS-80
INMARSAT	2 x Furuno Felcom 15

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## KTK TUGS

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