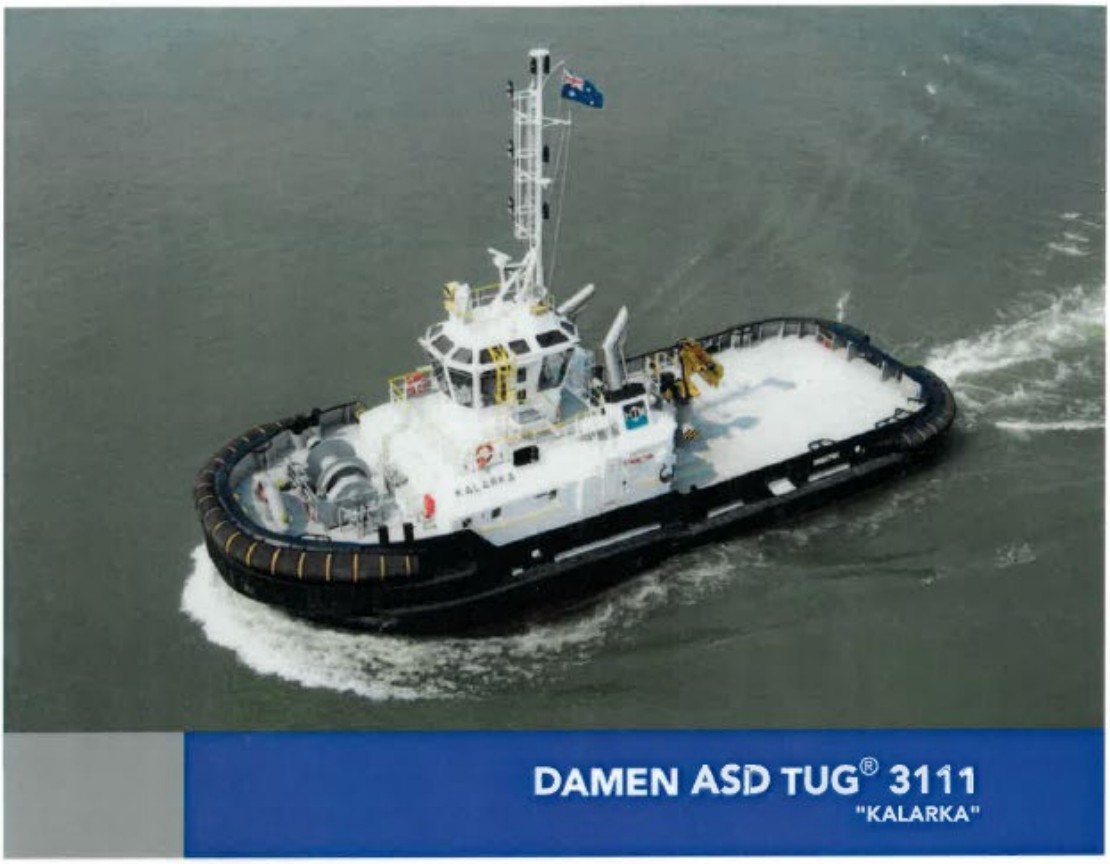
16.18 Daltug tugs factsheet

Daltug have 3 tugs in operation, Kalarka, Karloo and Kolijo. All essentially have the same bollard pull and dimensions.



GENERAL

YARD NUMBER	511309
DELIVERY DATE	August 2010
BASIC FUNCTIONS	Towing, pushing and mooring operations
CLASSIFICATION	Lloyds Register ● 100 A1 Tug Australian Coastal Service up to 50 nm from the coast ● LMC UMS
FLAG	Australia
OWNER	Half-Tide Marine Pty. Ltd.

DIMENSIONS

LENGTH O.A.	30.60 m
BEAM O.A.	11.24 m
DEPTH AT SIDES	5.00 m
DRAUGHT AFT	4.58 m
DISPLACEMENT	574 ton

TANK CAPACITIES

FUEL OIL	89.7 m^3
WATER BALLAST	94.7 m^3
FRESH WATER	28.7 m^3
BILGE WATER	7.3 m^3
SEWAGE	5.0 m^3
DIRTY OIL	2.5 m^3
HYDRAULIC OIL	0.9 m^3
LUBRICATION OIL	0.9 m^3

PERFORMANCES (TRIALS)

BOLLARD PULL AHEAD	68.4 ton
BOLLARD PULL ASTERN	63.2 ton
SPEED AHEAD	13.6 knots
SPEED ASTERN	13.1 knots

PROPULSION SYSTEM

MAIN ENGINES	2x Caterpillar 3516B TA HD/D
TOTAL POWER	4180 bkW (5600 bhp) at 1600 rpm
AZIMUTH THRUSTERS	Rolls Royce US 255
SLIPPING CLUTCHES	Twin Disc MCD 3000 6-HD
PROPELLER DIAMETER	2600 mm

AUXILIARY EQUIPMENT

GENERATOR SETS	2x Caterpillar C4.4 TA, 240/ 415V, 107kVA, 50 Hz
BILGE PUMPS	2x Sterling AKHA 6101 each 34 m^3/hr
FUEL PUMPS	3x Sterling R35/40 each 3.4 m^3/hr
FUEL OIL SEPERATOR	2x Westfalia OTC 2-02-137
COOLING SYSTEM	Boxcooling + anti marine growth system
SEWAGE TREATMENT PLANT	Hamworthy ST0
PRESSURE SET	Freshwater SIHI AOHA 1202
LUBRICATION OIL PUMP	Sterling R 35/40 3.4 m^3/hr
HYDRAULIC SYSTEM	2x Main engine driven pump, 1x electrically driven pump

DECK LAY-OUT

ANCHOR	430 kg Pool (High Holding Power) + one spare anchor
ANCHOR/ TOWING WINCH	Ridderinkhof, hydraulically driven 27.2 ton at 22.5 m/min, reduction pull up to 65 m/min, 185 ton brake
CAPSTAN	Ridderinkhof, 5 ton at 15 m/min, electrically driven
AFT WINCH	Ridderinkhof, hydraulically driven 27.2 ton at 22.5 m/min, 175 ton brake
HYDRAULIC CRANE	Heila HLM 10-2S + 1 PM
LIFERAFT	2x RFD 6 persons each

ACCOMMODATION

Accommodation for 6 persons, completely insulated and finished with durable modern linings, acoustical Dampa ceiling in the wheelhouse and floating floors. Air-conditioned accommodation with a Captain's cabin, Chief Engineer's cabin and two double crew cabins, galley, mess/dayroom, workshop and sanitary facilities.

NAUTICAL AND COMMUNICATION EQUIPMENT

RADAR SYSTEM	Nawnet Furuno-1934C
COMPASS	Magnetic, Cassens & Plath, Kotter type
SATELLITE COMPASS	Furuno SC-50
AUTOPILOT	Simrad AP-50
VHF	Sailor RT4800 + Sailor RT5022
VHF HAND-HELD	2x JotronTR 20
SSB	Furuno FS-1570
AIS	Furuno FA-150