

OCEAN GOING TOWING TUG

Technical Specification Sheet

Vessel Name: Alpha Granada



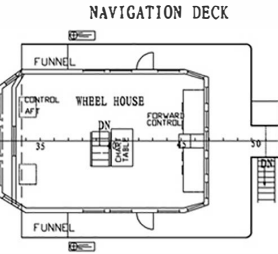
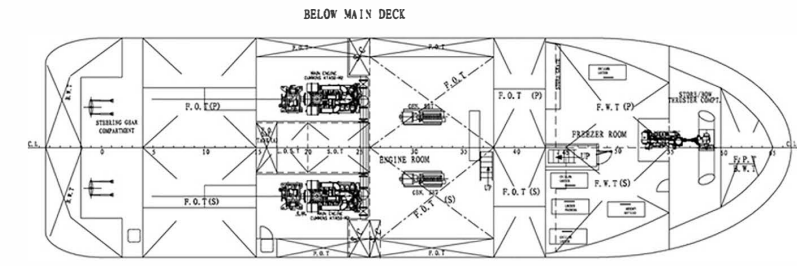
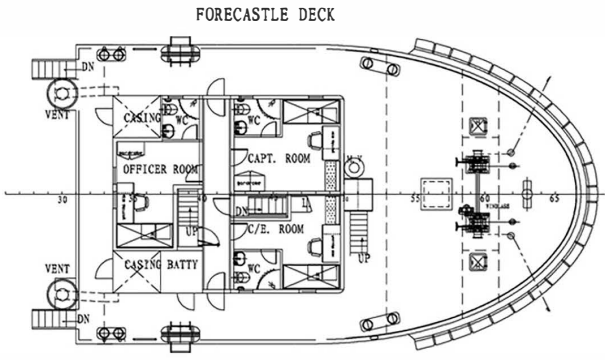
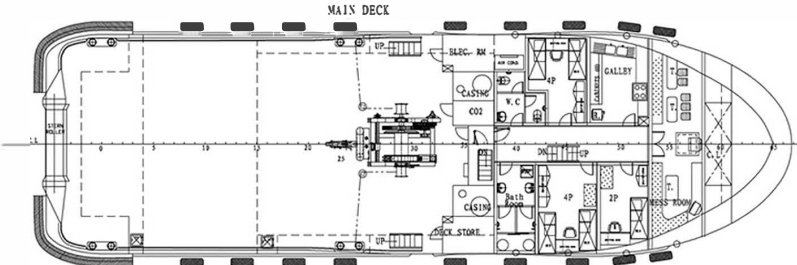
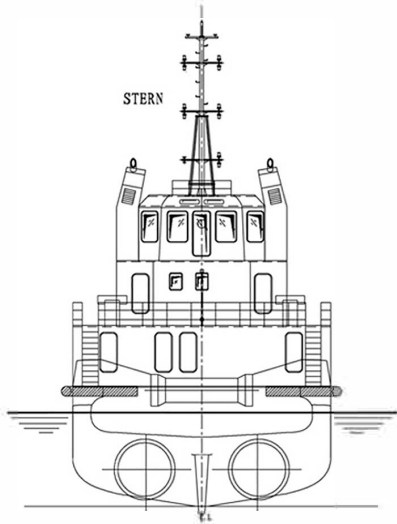
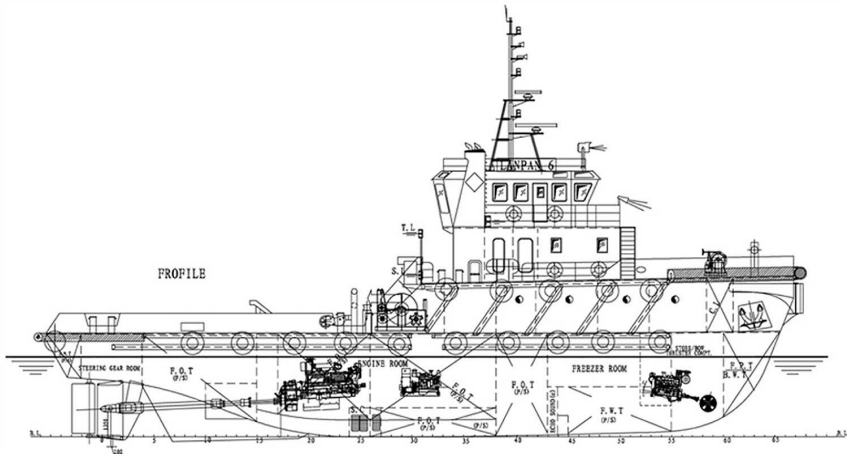
Name	Alpha Granada	
Class	B.V.	
Flag	Palau	
Port of Registry	Malakal Harbour	
Official Number	P015111	
IMO Number	9468279	
Call Sign	T842551	
Year Built/Delivered	2008	
Dimensions	Length Overall	33.51 m
	Length BP	29.50 m
	Breadth Moulded	10.60 m
	Depth Moulded	4.90 m
	Draught Designed	4.00 m
RT / NRT	472/141	
Deck area	Deck Strength	8 tonnes/m ²
	Clear Deck Area	120 m ²
Deck and Aux. Equipment		
Electric Hydraulic Anchor Windlass	3.5 Tonnes	@ 10m/min
Stockless Bow Anchor	2 x 660kg	
Anchor Chain/Cable	302.5m total length @ 26mm Dia.	
	Grade 2 Stud link chains	
Towing Winch	Electric Hydraulic Driven, 40 Tonnes @ 5m/min Break Holding 100 Tonnes	
Capacity of Drum	900m length of 44mm Dia. Wire rope	
Towing Hook	50 Tonnes SWL c/w quick release control	

Machinery	Main Engines	Cummins KTA50-M2
	Rating	2 x 1600 BHP @ 1800 rpm
	Gear Box	TWINDISC MG5506 (Ratio 6:1)
	Diesel Gen. Set	Cummins 6CT.8.3GM115 x 2 units
	Rating	2 x 100kw @ 1500 rpm
Performance	Bow Thruster	HRP 2001 TT (2.8T Thrust)
	Bow Thruster Engine	Cummins NT855-M270
	Rating	202kw @ 1800 rpm
	Propellers	FPP x 2 (with Kort Nozzle)
	Rudders	Conventional x 2
Capacities	Maximum Speed	12.0 knots (Approx)
	Type of Fuel	Marine Gas Oil
Discharge Rates	Bollard Pull (Static)	40T (sustained pull)
	Fuel Oil	397.9 m ³ (Approx at 100% cap)
	Fresh Water	70 m ³ (Approx)
	Ballast Water	59.8 m ³ (Approx)
	Dirty Oil	9.2 m ³ (Approx)
Accommodation	Fuel Oil Pump	1 x 25 m ³ /hr @ 0.6 Mpa
	Fresh Water Pump	1 x 21 m ³ /hr @ 21m Head
Life Saving Equipment	Total	14 men bunk
	All cabins	fully air-conditioned
Fire Fighting Equipment	As per SOLAS and Class requirement	
	As per SOLAS and Class requirement	
Navigation Aid	SOLAS Full Compliant	

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PRINCIPAL PARTICULARS

LENGTH O. A	33.51 m
LENGTH B. P	29.50 m
BEAM MLD.	10.60 m
DEPTH MLD.	4.90 m
MAX. DRAFT	4.00 m
FRAME SPACE	500 mm
F. O. TANK	abt. 400 m ³
F. W. TANK	70 m ³
MAIN ENGINE	2x MCR 1600HP
SPEED	12.0 Kn
BOLLARD PULL	< 40.0t
COMPLEMENT	14P
CLASS AS BY	
I ♦ HULL ♦ MACH. TUG, Unrestricted navigation	

