



ALLIANZ RADIANT 7

53M/3200 BHP MULTIPURPOSE SUPPORT VESSEL

TECHNICAL SPECIFICATIONS

GENERAL

Keel laid	2009
Year Built/Delivered	2010
GRT / NRT	764/229
Class Notation	1+ HULL + MACH + TUG, SUPPLY VESSEL Unrestricted Navigation
Class	B.V.
Flag	Singapore
Call Sign	9V8467
Official Number	395814
IMO Number	9543172

DIMENSIONS

Length Overall	53.00 m
Length Waterline	48.00 m
Breadth Moulded	12.00 m
Depth Moulded	4.80 m
Draught Designed	4.00 m

PERFORMANCE

Maximum Speed	12.5 knots (Approx)/ 8.0 knots (Economical)
Type of Fuel	Marine Gas Oil
Bollard Pull (Static)	42.22T (Sustained Bollard Pul)

CAPACITIES

Fuel Oil	698.66 m ³ (Approx at 100%)
Fresh Water	147.71 m ³ (Approx at 100%)
Ballast Water	58.92 m ³ (Approx at 100%)
Dirty Oil	5 m ³ (Approx at 100%)
Detergent	6.41 m ³ (Approx at 100%)

DISCHARGE RATES

Fuel Oil Pump	1 x 100 m ³ /hr @ 50m Head
Fuel Oil Pump	1 x 50 m ³ /hr @ 50m head
Fresh Water Pump	1 x 50 m ³ /hr @ 50m head

MACHINERY

Main Engines	Cummins KTA50-M2
Rating	2x1600 BHP @ 1800 rpm
Gear Box	Reintjes WAF665L
Diesel Gen. Set	Cummins Diesel Driven x 3 units
Revolution	240 kw (415V, 50Hz)
Main Alternator	Cummins Diesel Driven x 1 units
Output	40 kw (415V, 50Hz)
Bow Thruster	1 x 5 Tonnes Thrust
Bow Thruster Engine	HRP
Propellers	FPP x 2 (with Kort Nozzle)
Rudders	2 x Conventional

ACCOMMODATION

Crew	2 x 1 man cabin = 2 men 2 x 2 men cabin = 4 men 4 x 4 men cabin = 16men
Total	22 men bunk All cabins fully air-conditioned

DECK AREA

Deck Cargo Bay	24 m x 9.1 m (Approx)
Deck Strength	5 tonnes/ m ²
Clear Deck Area	220 m ²

OUTLINE SPECIFICATION

RADIO & NAVIGATION EQUIPMENT

Radar No.1	1 x Furuno (FR-1510 MK3)
Radar No.2	1 x Furuno (FR-1942 MK2)
Projection Magnetic Compass	1 x Furuno
GPS	2 x Kodon KGP-920 / Furuno GP32
Anemometer	1 x Navman (W3150)
Echo Sounder	1 x Furuno (FE-700)
Speed Log	1 x Furuno (DS-80)
Gyro Compass	1 x Simrad (GC-80)
AIS	1 x Furuno (FA-150)
Autopilot	1 x Simrad (AP-50)
GMDSS Radio	3 x McMurdo (R1)
EPIRB	1 x McMurdo (E3)
SART	2 x McMurdo (S4)
Navtext Receiver	1 x Furuno (NX-700B)
Weather Fax	1 x Furuno (FAX-408)

DECK & AUX. EQUIPMENT

Electric Hydraulic Windlass	6.0 Tonnes @ 12 m/min
Stockless Bower Anchor	2 x 1140 kg
Anchor Chain / Cable	385m total length @ 34mm Dia. Grade 2 Stud link chains
Towing Winch	Electric Hydraulic Driven, 40 Tonnes @ 5m/ min waterfall type, come with spooling device
Capacity of Drum Crane	900m length of 44mm Dia. Wire 2.5 Tonnes SWL c/w quick release control

FIRE FIGHTING EQUIPMENT

Fire Main	1 x 1200 m ³ /hr @ 14 Bar PTO from M/E
Fire Main Hydrants	As per SOLAS and Class requirement
Fireman outfit	As per SOLAS and Class requirement
Portable Fire Extinguisher	As per SOLAS and Class requirement
Fire Monitor	2 x 600 m ³ /hr @ 12 Bar, 45m throw
Emergency Fire Pump	20 m ³ /hr @ 25m Head, Engine Driven
Fire Detection and Alarm	As per SOLAS and Class requirement
Fixed CO2 System	Protected Zone: Engine Room

LIFE SAVING EQUIPMENT

Inflatable Liferaft	4 units x 20 persons
Life Jacket	As per SOLAS and Class requirement
Life Bouy	As per SOLAS and Class requirement
Tine Throwing Apparatus	4 units x 4 projectiles and lines
Parachute Distress Rocket	As per SOLAS and Class requirement
Orange Smoke Signals	As per SOLAS and Class requirement
Rescue Boat	1 units x 6 persons

OTHERS

Sewage Treatment Plant	1 unit (cap: for 22 persons)
Oily Bilge Water Separator	1 unit (cap: 0.5m ³ /hr) @ 15 ppm
Hospital	1 man bunk
Reefer Point	Available

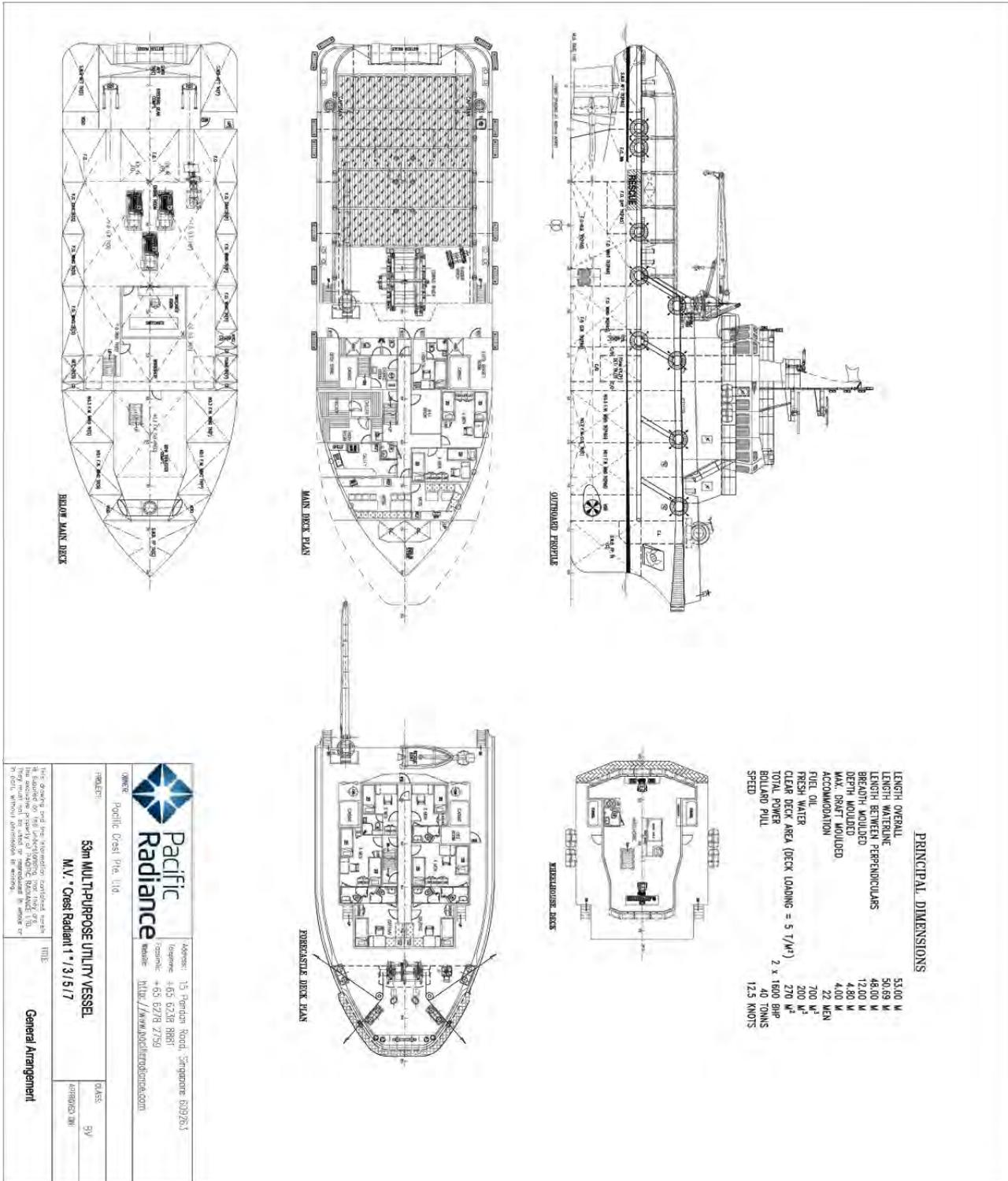


ALLIANZ MIDDLE EAST



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PROJECT: **53m MULTIPURPOSE UTILITY VESSEL**
 M.V. "Crest Radiant 1" / 31517

CLASS: SY
 APPROVED ON:

TITLE: **General Arrangement**

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