



TOWING & ANCHOR HANDLING

Crane	1 x 3Mt @ 9m radius
Anchor Handling / Towing Winch	Macgregor, double drum waterfall type, electric hydraulic 150mt pull 150T x 56mm dia
Tugger Winch	2 x 10mt @ 15m/min
Winch Type	Macgregor, double drum waterfall type, electric
Windlass	Hydraulic 150mt pull
Anchor	Electrohydraulic 9mt pull
Anchor Chain	2 x HHP 1305 kg
Chain Capacity	2 x 12 Shackles
Chain Chaser	440m, 38mm Dia. Grade 2
Grapnel Anchor	1 Nos
Towing Pins	1 Nos
Shark Jaws	1 x 200mt
Stern Roller	1 x 200mt
Spare Tow Wire	4m x 1.6m, Dia. 200mt
Capstans	1x 56 mm dia x 1000m long, 6x36 IWRC/EEIPS
Pneumatic Bulk Handling System	2 x 5mt @ 15m/min
Storage Reels	Make Unislip
Line Pull	56mm x 1000m wire rope
Wire Rope	25T x 90mm
Rated Pull	5T x 22mm dia
Brake Holding Load	150T x 0-6m/min (1ST SPEED)
Drum Capacity	200T (static, 1st Layer)
Brake Capacity	1000m x DIA. 56mm SWR @ 10 Layers
Winch Wire Capacity	200 mt
Pull 1 st Layer	221.8T x 56mm
	Low speed - 150mt @ 6m/min
	Mid speed - 71mt @ 12m/min
	High speed - 23mt @ 36m/mi

PERFORMANCE

Max Speed	13 knots	294 L/hr
Service Speed	8 knots	200 L/hr
Economic Speed	7.5 knots	180 L/hr

DOCUMENTATION

Classification	ABS (American Bureau of Shipping)
Year Built	2013
Keel Laid Year	2012
Place of Build	China
Vessel Type	A1 (E) Towing Vessel, Fire Fighting Class 1, Offshore Support Vessel, +AMS, +DPS-1, AH Singapore
Port of Registry	Kingstown
Flag	St. Vincent and the Grenadines
Official No.	12191
Call Sign	J8B5718
IMO No.	9655743

MAIN PARTICULARS

Length Overall	59.25 m	194.39 ft
Length BP	56.00 m	183.73 ft
Moulded Breadth	14.95 m	49.05 ft
Moulded Depth	6.10 m	20.01 ft
Draft (max)	4.95 m	16.24 ft
Draft (operational)	4.6 m	15.09 ft
Bollard Pull	65 T	
Brake Horsepower	2 x 2575 Bhp	
GRT / NT	1678 T / 503 T	
Lightship Weight	1609.97 T	1584.59 Lt
Deadweight	1340 T	1196.49 Lt
Summer Freeboard	0.662 M	2.17 ft

CARGO DECK

Deck Strength	7.5 T/m ²	
Deck Cargo Tonnage	1340 mt	4.00 Lt/m ²
Clear Deck Area	330 m ²	2552.08 ft ²
Deck Length	27 m	88.58 ft
Deck Width	12 m	39.37 ft

MACHINERY

Main Engine	2 x CAT 3516B = 2 X 2575Bhp @ 1600rpm
Propellers	2 x Berg CPP in Kort Nozzles
Propulsion	CPP
Gearbox	2 x Reintjes LAF3465
Auxiliary Engines	2 x Caterpillar C18 415V, 350kW, 50Hz
Main Genset	2 x Caterpillar C18 415V, 350kW, 50Hz
Auxiliary Generator	2 x Caterpillar C18 415V, 350kW, 50Hz
Emergency Generator	1 x Caterpillar 65kw, 415V, 50Hz
Shaft Generator	2 x 800 kW
Shaft Alternator	2 x Leroy Somer, 415V, 800kW, 50Hz
Bow Thruster	2 x 8mt
Transverse Thruster	2 x 8mt
Rudders	Becker High Lift, Flap Type
Steering Gear	Electrohydraulic

ACCOMMODATIONS

Crew	8 x 4 men = 32 men
	3 x 2 men = 6 men
	3 x 1 men = 3 men
	41 men cabins
Hospital	One (1)

*All cabins are fully air-conditioned, complying with ILO 92, IMO Resolution A468 (XII)

*Particulars are believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notification.

CAPACITY

Fuel Oil	525 m ³	138,690.3 USG
Fresh Water	300 m ³	79,251.6 USG
Fresh Water Maker	1 x 5m ³ / day	
Drill /Ballast Water	400 m ³	105,668.8 USG
Dry Bulk	186 m ³	6565.33 ft ³
Mud Tank	378 m ³	99,857.0 USG
Dispersant	5 m ³	1,320.9 USG
Lube Oil	6.35 m ³	1,677.5 USG
Dirty Oil	6.44 m ³	1,701.3 USG
Hydraulic Oil	6.36 m ³	1,680.1 USG
Foam	13.31 m ³	3,516.1 USG
SWB/DW Tank	400 m ³	105,668.8 USG

DELIVERY RATES

Fuel Oil	150m ³ / hr @7.5 bar head
Fresh Water	125m ³ / hr @7.5 bar, 75m head
Drill Water	100m ³ / hr @7.5 bar, 75m head
Liquid Mud	125m ³ / hr @ 7.5 bar, 75m head
Dry Bulk / Cement	2 x 13m ³ / minutes

SAFETY EQUIPMENT

Fifi Class	Class 1 Fire Fighting System
Life Rafts	6 x 25 men SOLAS Approval type
Rescue Boat	1 x SOLAS approved Rigid Fire Resistant
FRC	1 x 6 persons
Life Buoys	8 Nos.
Life Jackets	53 Nos as per fire plan
Rescue Scoop	Paraguard and Spinal Board Stretcher
Scrambling Nets	2 Nos. x 2m x 3m
Rescue Zones	2 Nos. in main deck
FRC Davit	1 x SWL 23KN
Fire Monitors	2 x fire monitor 1200m /hr
Fire Protection	CO2 Fire Fighting System in Engine room / Fixed water spray system
Emergency Fire Pump	1 x 25m /hr @ 45m head
Fire Extinguishers	1 x foam 45kg, 54 x DP 5kg, 1x CO2 5kg
Fire Station	15 x with 21 fire hose Box
Spray Boom	2 Nos
Oil Dispersant	13m capacity, 2 cluster nozzles
Searchlights	3 Nos.
Night Vision Equipment	1
Mechanical Recovery Type	FRB and stretcher
BA Recharging Compressor	1 x 75ltrs/min @ 200 bar

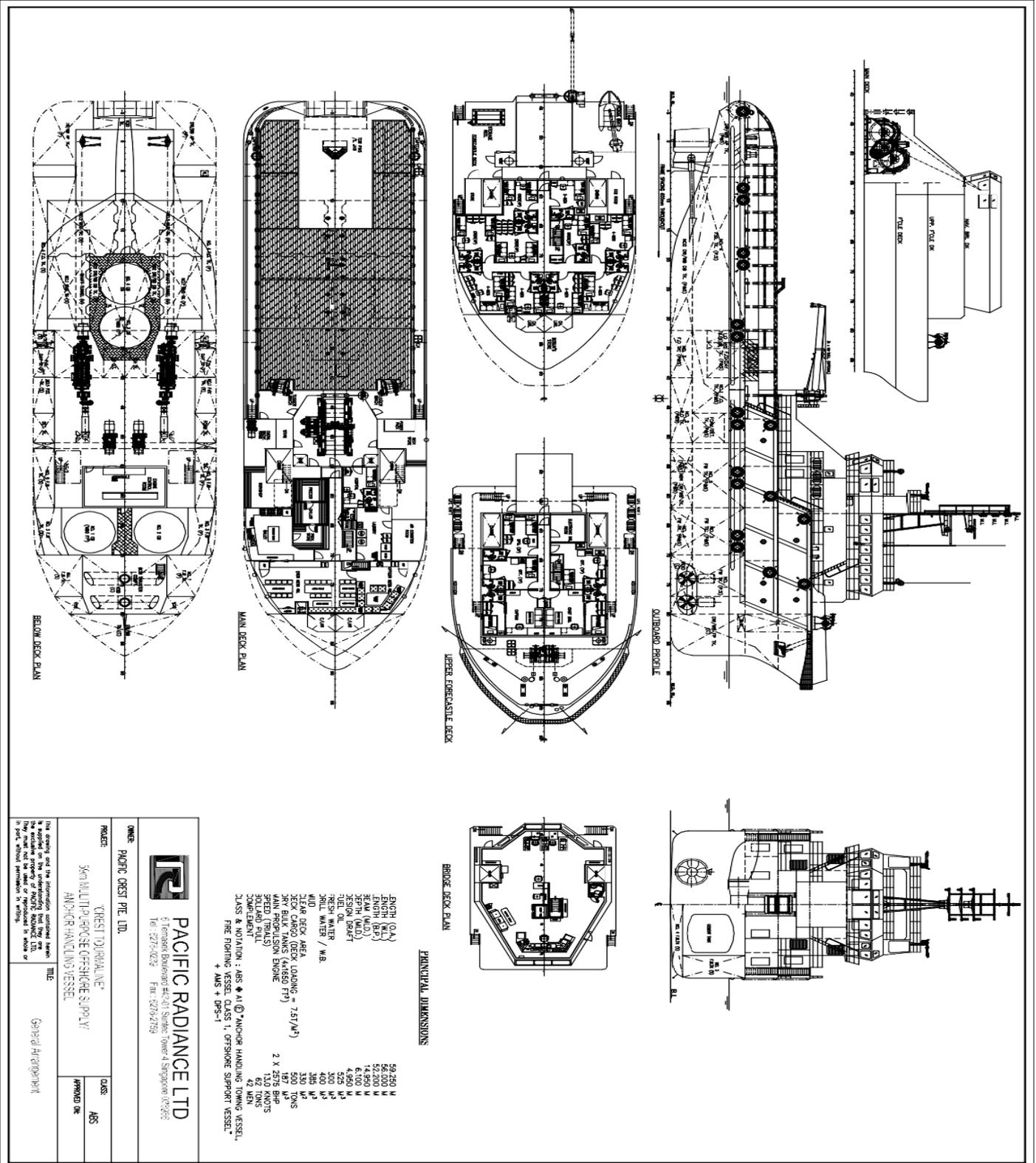
ELECTRONICS & CONTROLS

Radar	2 x Furuno FAR-2807
Radar 2	1 x Furuno RCU 014/0735
Gyro Compass	1 x Simrad
Magnetic Compass	1 x Anschuetz Pilotstar
GPS	2 x Furuno GP39 / Kodan KGP-922
AIS	1 x Furuno FA 150
Echo Sounder	1 x Furuno FE-700
Auto Pilot	2 x Anschuetz Standard 20
SSB	1 x Furuno FS-2571C
VHF	2 x Furuno 0560/HS-2003
NAVTEX Receiver	1 x Furuno NX-700
GMDSS	Furuno FS-2571C FM 8800VHF DSC-60 watch keeping receiver
Handheld VHF	4 x Entel HT644
Depth Sounder	1 x Furuno FE-700
Radio Direction Finder	Furuno 056011
INMARSAT C	2 x Furuno Felcom 15
EPIRB	1 x Jotron
SART	2 x Mcmurdo S4
Speed Log	1 x Furuo
Public Address System	2 x Jotron Phontech 1501 & 0012
X – band TM radar	1 x Furuno RCU 014/0735
ECDIS	1 x SIMRAD
Weather Facsimile Receiver	1 x Furuno FAX-408
Weather Fax	1 x Furuno FAX-408

DP SYSTEM

Make	Kongsberg POS DP1
Joystick	1 x Furuno DS-80

*Particulars are believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notification.



OWNER: PACIFIC CREST PTE. LD.

PROJECT: "CREST TOURMALINE" 35m MULTI-PURPOSE OFFSHORE SUPPORT VESSEL ANCHOR HANDLING VESSEL

CLASS: ABS APPROVED ORK

GENERAL ARRANGEMENT

PACIFIC RADANCE LTD
5, Temasek Boulevard #24-01, Suntec Tower 4, Singapore 139295
Tel: (67) 6724-0232 Fax: (67) 6724-2759

*Particulars are believed to be correct but not guaranteed. All figures given are approximate only. Owners reserve the right to amend the specifications without notification.