

# Cassandra 5



## PRINCIPAL PARTICULARS

Length Overall	53.8 m
Length Waterline	52.2 m Change to 50.4 m
Breadth Moulded	13.80 m
Depth Moulded	4.5 m
Draft (max)	3.50 m
Date/Place Built	2007 / Malaysia
GRT/NRT	1075/322
Class	ABS
Notation	+ A1 + AMS
Flag	Singapore
Call Sign	9V7508
Official No	394367
IMO No	9487720

## PERFORMANCE

Maximum Speed	13 knots @ 100% MCR
Range	6500 NM @ 10 knots (vessel is using approx 7.5 M <sup>3</sup> / 24 Hr.)
Type of Fuel	Marine Gas Oil

## CARGO CAPACITIES

Deadweight	1036 tonnes
Deck Cargo	5 tons/ m <sup>2</sup>
Clear Deck Area	Approx. 320 m <sup>2</sup>
Ships Fuel	250.6 m <sup>3</sup>
Cargo Fuel	915.8 m <sup>3</sup>
Lube Oil	4.7 m <sup>3</sup>
Hyd. Oil	4.7 m <sup>3</sup>
Fresh Water	201.8 m <sup>3</sup>
Drill Water/SWB	64.7m <sup>3</sup>
Fuel Transfer	1 x 150m <sup>3</sup> @ 60m/ head + 1 x 100m <sup>3</sup> @ 60m/ head

## PROPULSION SYSTEM

Main Engines	MSD 2 X 1700 BHP @ 1800 rpm CPP type propulsion CUMMINS KTA50M2
Generators	2 x 380 Kw HSD 415/3/50 4 wire CUMMINS KTA19DM1
Emergency	1 x 48 Kw 415V/3/50 4 WIRE YANMAR TPG60.0 Engine Yanmar 4TNE106T-G1A
Bow Thruster	1 x Electric - SCHOTTEL-STT-170-LK
Shaft Alternator	1 x 380Kw 415v/3/50 @ 500 RPM.

## OTHER EQUIPMENT

Oily Water Separator	1 x 1 m <sup>3</sup> /hrOLL content GRS-10EB LESS THAN 15PPM MARPOL 1 NO 15 PPM Alarm Fitted.
Sewage Treat. Plant	1 x WCB MARPOL approve 50 persons
Fuel Oil Purifier	1 x 2000 ltrs/hr

## TOWING / ANCHOR HANDLING EQUIPMENT

Bollard Pull	38 tonne approx
Towing Hook	50 Tonne remote emergency release from W/House and Deck.

## DECK EQUIPMENT

Capstan	2 x 5T x SWL
Tugger Winch	1 x 10T Hydraulic
Anchors	2 x JIS Bower Anchors 1590Kg. 34mm Ø Grade U2 Stud link chains / 9 Shackles each.
Anchor Windlass	10 tons c/w centre rope winch double gypsies.
Deck Crane	1 x 3.5 ton @ 10m knuckle boom.

## ACCOMMODATION (All cabins fully air-conditioned)

Laundry room	3 x Washing Machine / Drier Combo.
Freezer Chiller	Walk in type. Min 3cum each.
Provision store	1
Recreation room	1x with TV & DVD
Mess room	1xwith Fridge , TV & DVD
Galley	1x c/w electrical cooking appliances hot plate, 1 food grinder
Extra:	1 x 1 sickbay

## RADIO AND NAVIGATION EQUIPMENT

Radar	1 x Furuno FAR-2117 ARPA Marine Radar 1 x Furuno 1932MKII 48NM Marine Radar
GPS	1 x Furuno GP-32 GPS PLOTTER/NAVIGATOR/ LCD Alphanumeric GPS 1 x Furuno GP-150 GPS PLOTTER/NAVIGATOR/ For chart table
AIS	1 X Furuno FA 150
Echo Sounder	1 x Furuno FE-700
Gyro Compass	1 x TOKIMEC TG8000
GMDSS	Furuno Rack console Sea area A1.A2,A3.
Magnetic Compass	1 x DAIKO KEIKI
Navtex Receiver	1 x Furuno NX700B
SSAS	Furuno
PA system	VINGTOR
Wind speed	RM Young
Speed Log	Furuno DS-80
SART	2 x IMO Type
Portable VHF Radio	3 x ICOM GM1600E c/w NICAD Battery
Inmarsat	1 x Inmarsat C
EPIRB	1 x GME MT 401F.
Autopilot	1 SIMRAD AP-50 c/w accessories

## FIRE FIGHTING EQUIPMENT - FiFi

Full Flooding	CO2 system in engine room (Internal) &BT Room
Fire fighting	½ FiFi - 1200cum/hr with 1 Volvo Penta D16MH X 600CUM MONITOR 790KW @1900RPM individual engine driven

## LIFE SAVING EQUIPMENT

Liferafts	6 x 25 men inflatable type
Lifebuoys	8 pcs
Lifejackets	53 pcs
Workvest	6 pcs
FRC	Solas approved 6 man 25 Hp with davit launch facility.

## OTHER

Chiller/Freezers for transportation of seismic vessel food.	1 x 10 Ft Chiller + 1 x 10 Foot Freezer.
Fenders	2 x Yokohamas
DNV in line fuel Samplers	x 2.

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