

# FOG 15 - (Ex Arkstar Voyager)

## Platform Supply Vessel



### PRINCIPAL PARTICULARS

Length Overall	:	69.90m (230ft)
Length Waterline	:	61.20m (200ft)
Breadth Moulded	:	16.50m (54ft)
Depth Moulded	:	6.8m (22ft)
Draft Designed	:	5.80m (19ft)
GRT/NRT	:	2426/727
Year of Built	:	2009
Place of Built	:	China (Completed in Singapore)
Class	:	ABS
Notation	:	A1 (E) Offshore Support Vessel Fire Fighting Class 1 + AMS + DPS 2
Flag	:	Liberia

### PERFORMANCE

Maximum Speed	:	13.5 knots
Economic Speed	:	12 knots
Type of Fuel	:	Marine Gas Oil
Fuel Consumption	:	19.8m <sup>3</sup> /24 hrs @ maximum speed 13m <sup>3</sup> /24 hrs @ economic speed

### CARGO CAPACITIES

Dead Weight	:	3000mt at design draft, approx.
Deck Cargo	:	1000mt
Deck Strength	:	5mt/m <sup>2</sup> uniform loading
Clear Deck Area	:	560m <sup>2</sup> approx.
Fuel Oil	:	1040m <sup>3</sup> approx.
Fresh Water	:	360m <sup>3</sup> approx.
Ballast/Drill Water	:	690m <sup>3</sup> approx.
Liquid Mud	:	450m <sup>3</sup>
Brine Tank	:	146m <sup>3</sup>
Base Oil Tank	:	78m <sup>3</sup>
Cement Tank	:	230m <sup>3</sup> (4 x 2025ft <sup>3</sup> ) approx.
Dry Bulk	:	230m <sup>3</sup> (4 x 2025ft <sup>3</sup> ) approx.
Freezer/Chiller	:	17m <sup>3</sup> /16m <sup>3</sup> approx.
Foam/Detergent	:	10m <sup>3</sup> /10m <sup>3</sup> approx.

### PUMPS

Fuel Oil Cargo	:	1 x 100m <sup>3</sup> /h @ 80m head; Azcue
Fresh Water Cargo	:	1 x 100m <sup>3</sup> /h @ 80m head; Azcue
Drill Water/	:	
W.Ballast Cargo	:	1 x 100m <sup>3</sup> /h @ 80m head; Azcue
Liquid Mud	:	2 x 100m <sup>3</sup> /h @ 80m head (SG2.5)
Brine	:	1 x 50m <sup>3</sup> /h @ 80m head (SG1.0)
Dry Bulk	:	2 x 50m <sup>3</sup> /h @ 5 bar
Bulk Cement Air	:	
Compressor	:	2x20m <sup>3</sup> /min @ 80psi (5.6kg/cm <sup>2</sup> )

### RADIO & NAVIGATION EQUIPMENT

All safety, radio and navigation equipment are in full compliance with the SOLAS/ABS requirements.

### ACCOMMODATION

Berths	:	8 x 1 berth cabins = 8
	:	7 x 2 berth cabins = 14
	:	7 x 4 berth cabins = 28
Total	:	50
Hospital	:	1 x 1 berth cabin = 1

All cabins fully air-conditioned & comes with attached washrooms

### PROPULSION SYSTEM

Main Engines	:	2 x 1838 kW (5000 BHP) @ 750rpm Niigata 6L28HX
Propulsion	:	2 x FPP Azimuth Z-Peller with Kort Nozzie; Niigata
Bow Thruster	:	2 x 500kW (700 BHP) electric -driven Kamone TCB-90DSMA tunnel type (CCP); Thrust 78.5kN (8000kgf)
Stern Thruster	:	NIL Azimuth stern drive

### GENERATORS

Main Generators	:	<b>4 x Volvo D16 MG HE</b> @ 1800rpm driving Stamford alternator HCM534E-1 rated at 470kW/440V/60Hz/3Ph
Emergency Generator	:	1 x Volvo D 7A T @ 1800rpm driving Stamford alternator UCM274E-1 rated at 99kW/440V/60Hz/3Ph
Shaft Alternator	:	NIL

### DECK EQUIPMENT

Anchor Windlass	:	1 x electro-hydraulic HAW, Mentrade
Gypsies	:	42mm chains (subject to class requirement) rated pull 13mt @ 12m/min
Mooring Drum	:	1 x 100m x 64mm (rope) rated pull 10mt @ 12m/min or 6mt @ 15m/min
Warping Drum	:	380mm (dia.)
Bow Anchors	:	2 x 2720kg HHP anchors
Anchor Chains	:	550m (L) x 42mm (dia.) Grade U3 (each side)
Capstan	:	2 x 5mt @ 15m/min electro- hydraulic HVC; Mentrade head size 400mm
Tugger Winches	:	2 x 10mt @ 12m/min electro- hydraulic HUW; Mentrade Drum Capacity: 200m(L) x 22mm (dia.) SWR
Deck Crane	:	1 x 2.2mt @ 12m hydraulic foldable marine crane; Palfinger

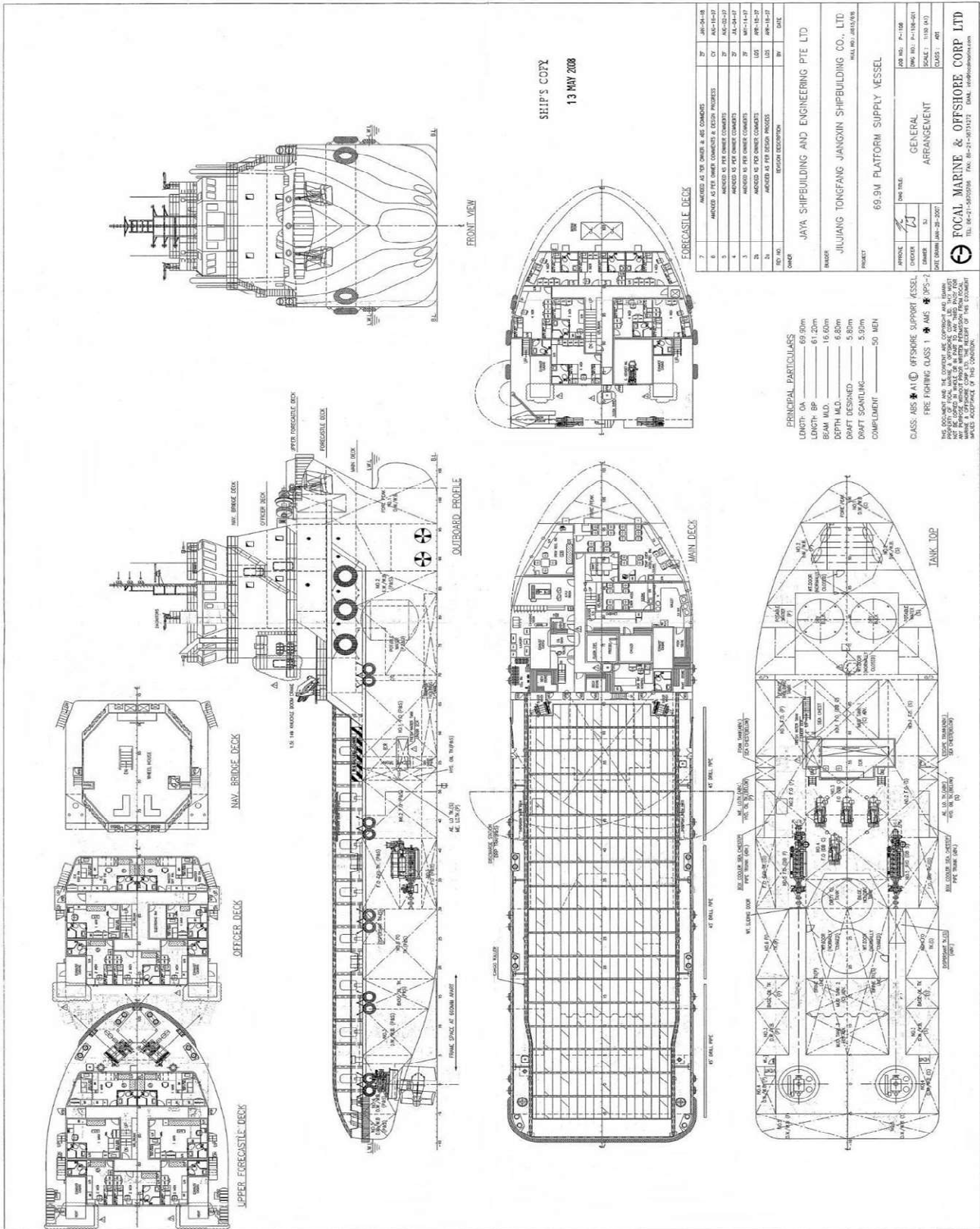
### MISCELLANEOUS

Search Lights	:	3 x 2000W
Floodlights	:	6 x 500W
Life Rafts	:	6 x 25 men SOLAS approved
FRC	:	2 x 15 men FRC with onboard diesel engine 20K speed
Oily Water Separator	:	1 x 1 m <sup>3</sup> /h
Water Maker	:	1 x 5m <sup>3</sup> /day reverse osmosis
Sewage Treatment Plant:	:	1 x 50 men/day
Chart Plotter	:	Electronic Charter Plotter with display
HDM1 Type Monitor	:	
Display	:	One
CCTV	:	Fitted
Remote Display Unit	:	Fitted at Aft with Repeater
Garmin GPS MAP 1222	:	Fitted
Remote Video Interface 1302358	:	Fitted
Electric Pressure Type Tank	:	
Level Gauging System	:	Fitted
Thyristor 720A 1800VRRM	:	18Nos
DM 100 S VDR G2 with fixed Capsule	:	Fitted
Doppler Sonar speed Log with display	:	Fitted
Data Logger	:	Fitted
Mass Flow Meter	:	Fitted
DP reference System	:	Three – 2xDGPS, 1x Cyscan, 1x Radascan

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