



<b>Characteristics</b>	<b>Meter</b>	<b>Feet</b>
Length, Overall	75.42	247.60
Beam	16.40	53.60
Depth	7.00	22.23
Maximum draft	5.50	17.98
Displacement	4,847 T	
Deadweight	2,681 T	

**Deck**

Deck-space	551 M <sup>2</sup> , 38.5m X 14.4m
Deck Cargo Capacity	2,500 M.T.
Deck Strength	10 MT/M2 to frame 12, rest of the deck 7.5 MT/M2
Moon pool	4.8 X 5.0 M

**PROPULSION SYSTEM****TYPE: Diesel Electric Propulsion**

Main Generators	4 X 1300 KW @ 1800 RPM Cummins QSK 50-DM
Electric output	5,460 KW
Voltage	690/440/220 V, 60 HZ
Propellers	2 X 1,380 KW, Total 2,760 KW Schottel SRP 1212 CP
Bow Thruster	2 X 735 KW, Schottel STT-3 FP
Emergency Generator	1 X 260 KW @ 1800 RPM, Lindenberg - Angalen

**Mooring Equipment**

Anchor Windlass	1 X Hydraulic Mac GREGOR MG-HAW/GG-40
Anchor Chain	2 X 2100 Kg, "SPEK" 440 mtr studlink chain cable 40 mm Ø in special steel (Grade Q2)
Tugger Winch	2 X 10.0 T
Capstan	2 X 5.0 T
Provision Crane	1 X 2.0 T @ 6 M
4 Point Mooring	4 X Hydraulic Mooring Winch 4 X 3T Flipper Delta anchors
Drum Capacity	1600 M X 38 mm dia. (SWR)
Brake Capacity	100 T (Static, 1 <sup>st</sup> layer)

**Main Crane**

Electro Hydraulic	1 X 50 T @ 15 M / 20 T @ 20 M 10 T @ 18.5 M TTS, GPCKO 2000-50-20
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**Performance**

Speed	12 Knots @ 14 MT/24Hr
Transfer Rates	Gas Oil 2 X 75 M <sup>3</sup> / Hr Fresh Water 2 X 75 M <sup>3</sup> / Hr

**Capacities**

Fuel oil	997 M <sup>3</sup>
Potable water	935 M <sup>3</sup>
Drill water	978 M <sup>3</sup>
Lube oil	8 M <sup>3</sup>
Hydraulic oil	5 M <sup>3</sup>
Dispersant	5.7 M <sup>3</sup>
Foam	7.1 M <sup>3</sup>
Sludge	5.2 M <sup>3</sup>
Bilge	12.6 M <sup>3</sup>
Walk-in Cooler	10 M <sup>3</sup>
Walk-in Freezer	10 M <sup>3</sup>

**Bridge & Navigation Equipment**

GMDSS	1 X SAILOR A3 CONSOLE
Inmarsat C	2 X SAILOR TT-3000E
VHF Radio	2 X SAILOR RT 5022
Navtex	1 X JRC NCR-333
SART	2 X SAILOR SART II
EPIRB	1 X SAILOR SE40611
Radar S Band	1 X Sperry BridgeMaster 12'
Radar X Band	1 X Sperry BridgeMaster 8'
Echosounder	1 X SKIPPER GDS 102
DGPS	2 X C-Nav 1000+
Gyrocompass	3 X SPERRY, NAVIGAT X MK1
Autopilot	Marine Technologies
Magnetic Compass	1 X SPERRY, NAVIPOL-1
Speed Log	1 X SKIPPER DL850
AIS	1 X JRC JHS-182
DP System	Marine Technologies, Bridgemate DP2 + Jc (BVAM / AT R)
IBS System	Marine Technologies, Bridgemate IBS (Integrated Bridge System)
VSAT	Marine Technologies, (Phone, Internet, E-mail, Remote Access for DP)

**Accommodation**

Staterooms / Berths	7 X 1 berth cabins 4 X 4 berth cabins 18 X 2 berth cabins Total: 59
Galley	All Electric
Certified to carry	60
Climate control	Central
Hospital	1

**Special Equipment****FIFI**External

Fire Pump	2 X 1580 m <sup>3</sup> /h, FFS Norway
Fire Monitor	(water/foam) 1200/300 m <sup>3</sup> /h, FFS
Emergency Firepump	1 X 60m <sup>3</sup> /h, DESMI

Internal

Fixed based CO2 system, MINIMAX

**Miscellaneous**

Searchlights	2 X 1000 W, Wiska
Floodlights	12 X 500 W, Aqua Signal
Fresh Water Generator	Gefico Aquamar, AQE-10D 2 X 8 m <sup>3</sup> /day reverse osmosis,
Whistle, Air powered	M75F/260 ZVEEH, Zollner
Oily Water Separator	BOSS 5T 107(49), HMSA
Sewage Treatment Unit	MSD-III/60 @ 30 bar, Air Receiver, 500 Lt., 33 bar Atlas Copco
Service Air Compressor	68.1m <sup>3</sup> /h @ 7.4 bar, 270 Lt. Tank Mounted, MAS GA7 AFF 100, Atlas Copco

**Registration**

Flag	Panama
Port of Registry	Panama
Official No.	42730-PEXT-F
Call Sign	HONQ
IMO No.	9586459
Built	Gelibolu, Turkey
Year Built	2011
Gross / Net Tonnage	2,605 / 782
Class	BV
Notation	<b>✳ HULL ✳ MACH</b>

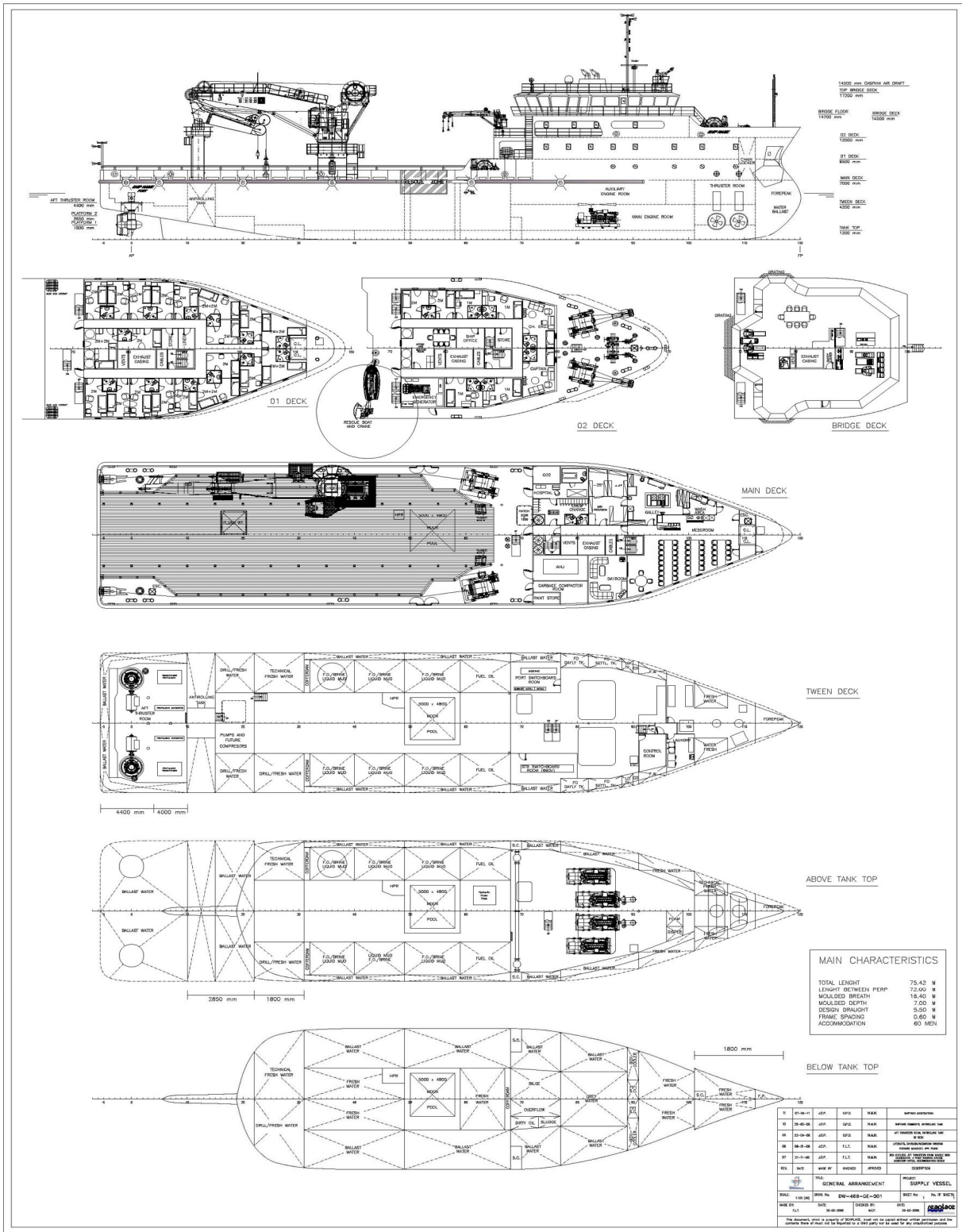
**Supply Vessel, Fire Fighting Ship 1**

**Water Spraying, Unrestricted navigation**

**✳AUT-UMS, Cleanship**

**DYNAPOS-AM-AT -R**

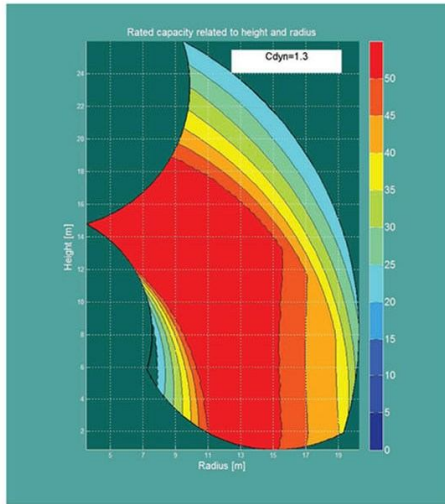






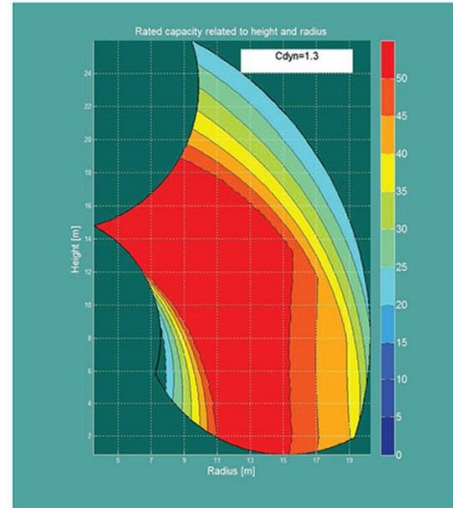
## Deck Crane Load Chart

Internal Lifting



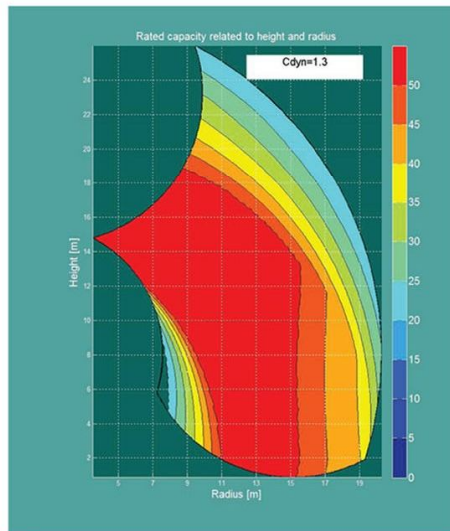
Operational limits:  
 Maximum rated load: 50 tonne  
 Maximum wind velocity: 25 m/s  
 Maximum trim: 2 deg  
 Maximum heel: 5 deg  
 Ice and snow: No ice and snow

External Lifting

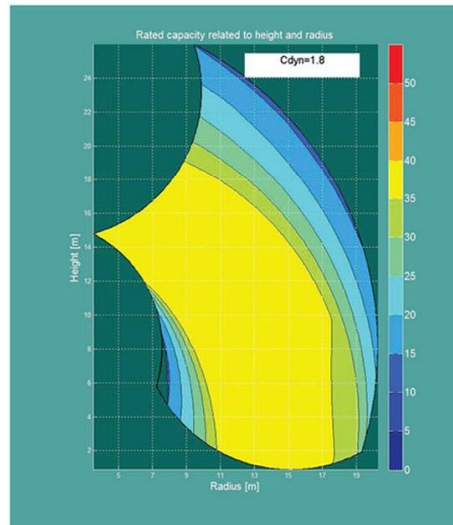


Operational limits:  
 Maximum rated load: 50 tonne  
 Maximum wind velocity: 25 m/s  
 Maximum trim: 2 deg  
 Maximum heel: 5 deg  
 Ice and snow: No ice and snow

Harbour Lifting

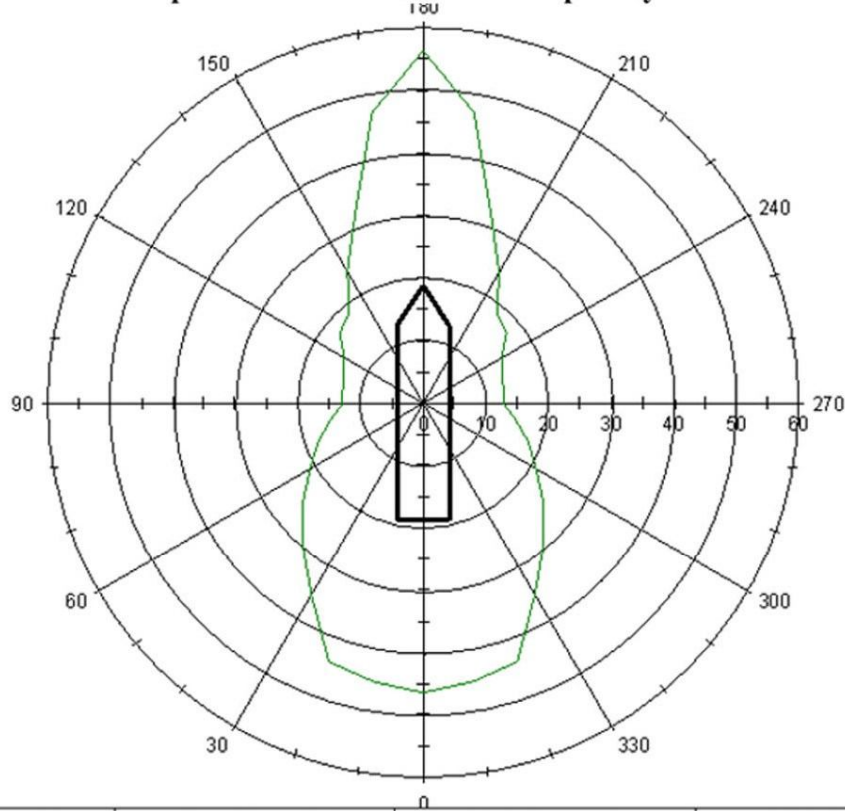


Operational limits:  
 Maximum rated load: 50 tonne  
 Maximum wind velocity: 25 m/s  
 Maximum trim: 2 deg  
 Maximum heel: 5 deg  
 Ice and snow: No ice and snow



Operational limits:  
 Maximum rated load: 36 tonne  
 Maximum wind velocity: 25 m/s  
 Maximum trim: 2 deg  
 Maximum heel: 5 deg  
 Ice and snow: No ice and snow

**Computer Generated Theoretical Capability Plots**



Bow Tunnel 1	Bow Tunnel 2	Port Azimuth	Stbd Azimuth
Online	Online	Online	Online
<b>Maximum thruster utilization is 80%</b>			
Worst case is the environmental forces on the beam:			
Current [knots]			2
Wind speed [m/s]			12.9
Wave height [m]			4.2
Peak period [s]			9.7