



CLASSIFICATION

A1, Offshore Vessel, AMS, ACCU, DPS-2



DIMENSIONS

L.O.A. (m)	82.88
BREADTH mld (m)	19.00
DRAUGHT (summer) (m)	6.333
DEADWEIGHT (summer) (t)	4.689
GROSS/NET TONNAGE	2.990/1.573
GENERATORS	440 /3 /60

PROPULSION & PERFORMANCE

Service speed abt. 10-12 knots

PROPULSION

Two Wartsila Vaasa 6R32E marine diesel engines each developing 3,300 BHP@ 750 rpm each driving 1.760 kW shaft alternator and CP propeller

Total developed power 4,920 kW (6,600 BHP)

GENERATORS

440 / 3 / 60
Shaft alternators 2 X 1,760 kW
Main alternators 2 X 335 kW
Emergency alternator 1 X 167 kW

THRUSTERS

Forward tunnels 2 X 736 kW
Aft tunnels 2 X 736 kW

STABILIZATION

Two passive roll reduction stabilization tanks

CARGO

CARGO DECK

Sheathed deck area	58.5 m x 16.0 m = 936m ²
Deck strength	5 tonnes / m ²
Deck load	3,000 tonnes

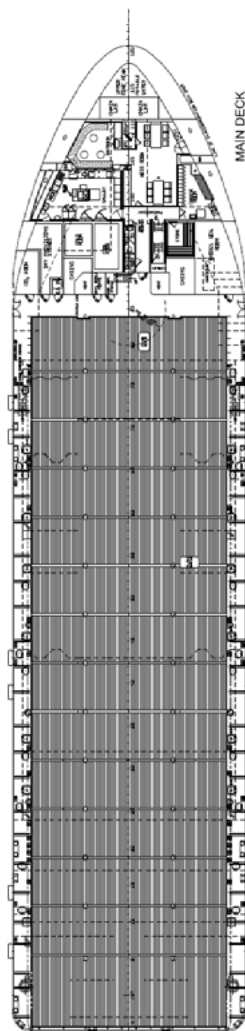
CARGO CAPACITIES

Approx at 100%

Fuel oil cargo	1,138 m ³
Potable water	1,010 m ³
Drill water	1,056 m ³
Dry bulk@ 80 psi	8 X 50m ³ = 400 m ³ (14,400 fe)
Liquid mud@ 2.5 sg	2 x 165 m ³ (2,080 bbls)
Liquid mud@ 2.5 sg	2 x 141m ³ (1,774 bbls)
Brine @2.5 sg	2 x 159 m ³ (2,000 bbls)
Brine @ 2.5 sg / Base oil	2 x 191 m ³ (2,400 bbls)
Base oil	2 x 100 m ³ (1,255 bbls)
Ships fuel oil	323 m ³ (MDO)

CARGO PUMPING

Fuel oil cargo	2 x 150 m ³ /hr @ 9 bar
Potable water	1 x 150 m ³ /hr @ 9 bar
Drill water	1 x 150 m ³ /hr @ 9 bar
Dry bulk compressors	2 x 30 m ³ /hr @ 80 psi
Liquid mud	2 x 100 m ³ /hr @ 23 bar
Brine	2 x 100 m ³ /hr @ 23 bar
Base oil	1 x 100 m ³ /hr @ 9 bar



DP2 SYSTEM

DP / Joystick Control

IMO Class 2 DP System

Kongsberg K-Pos DP-21

Reference systems

Fan beam laser+ 2 x DGPS

DECK MACHINERY

Deck/stores crane	3 tonnes @ 12m radius
Tuggers	2 X 10t
Capstans	2 X 10t

ACCOMODATION

Wheelhouse and accommodation fully air conditioned

Single berth cabins	2 suites+ 9 en-suite
Two berth cabins	6 cabins
Hospital	2 berth
Complement	27 persons

Specifications

The vessel is designed to fulfil the following duties:

- Supply and transport of equipment between offshore platforms and installations (such as brine, cargo containers, cement, drill water, fresh water, fuel oil, liquid mud, methanol, pipes etc)

CONTROL AND NAUTICAL EQUIPMENT

DP system	DP II
Thr. control	R-R
AIS	1 of
<u>Radar Equipment</u>	
1 of	3 GHz ARPA
1 of	9 GHz ARPA
<u>Chart System:</u>	
Telechart Ecdis	1 of
<u>Compass System:</u>	
Gyrocompass	3 of
Magnetic compass	1 of
Autopilot	1 of
Nav. echosounder	1 of
Speed log	1 of
Radio Plant: Acc. to class	
VHF/DSC	1 of
VHF	1 of
Inmarsat C	1 of
Iridium	1 of
Automatic ident. system	1 of
Beacon equipm. acc to class	

DECK EQUIPMENT

Cranes:	1 crane SWL 3t x 12 ml
Anchors:	2 x 4.13t SPEK Anchors
Mooring Winch:	2 x Rope/Wire Winches
Mooring Capstan:	2 x Capstan Aft
Tugger Winches:	2x10t

ANTI-ROLLING SYSTEM

A passive flume anti-roll system
2 of roll reduction tank

LIFE SAVING EQUIPMENT

Liferafts: 7 for 155 pers
Survival suits: 54
1 rescue boat for 6 pers. Capacity
SOLAS for 50 pers.

CARGO-TANK CAPACITIES/PUMPS

Diesel fuel (ship)	323 m ³
Fuel oil (cargo)	1,130 m ³
Potable water (ship)	100 m ³
Potable water (cargo)	910 m ³
Water ballast	1056 m ³
Liquid muds/brines	2x165 m ³ + 2 x 141m ³
Base oil (in cargo fuel tanks)	2x100 m ³
Dry bulk	400 m ³
Slop tanks	2 x 20 m ³

PUMPING CAPACITIES

Fuel	2 x 150 m ³ /hr
Pot water	1 x 150 m ³ /hr
Brine	2 x 100 m ³ /hr
Mud	1 x 100 m ³ /hr

TANK CLEANING SYSTEM

A total of 6 cleaning machines fixed in 6 mud tanks/brine tanks and 1 slop tank

FLOW METERS

Flow meter for fuel oil with printer.

RESCUE BOAT

1 x ZODIAC RIB x 6 man

LOADING COMPUTER

Kockums Sonics Loadmaster

CONSUMPTION

Economic transit, app.	10t/day
DP operations	2-4t/day
Port, approx.	0.8t/day

HOSPITAL

1 hospital: 2 BEDS

