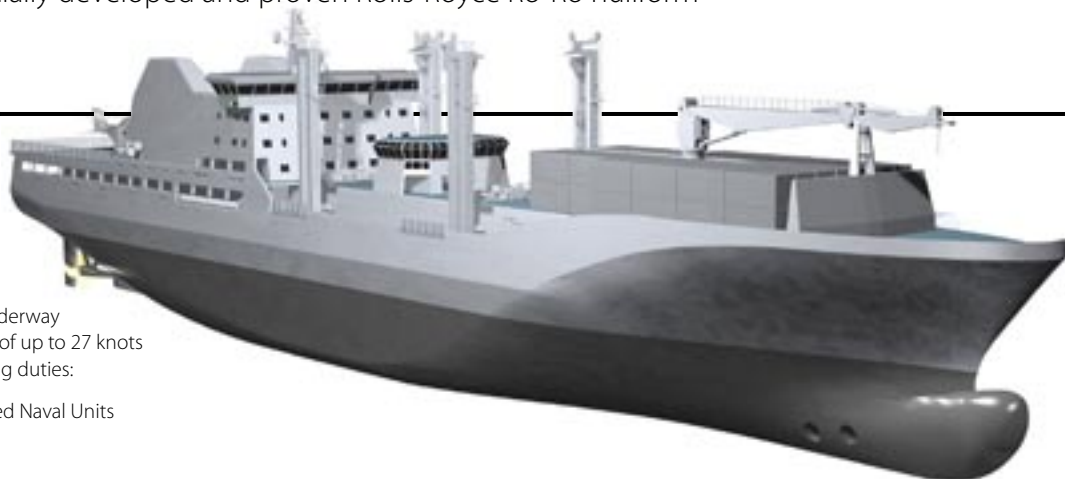


NVC - 20 knot underway replenishment ship - 14,000 dwt

Based on a commercially developed and proven Rolls-Royce Ro-Ro hullform



General

The NVC designed Modular Underway Replenishment Ship is capable of up to 27 knots and is designed for the following duties:

- Logistic Support of Deployed Naval Units
- Fleet Aviation Support

The hullform is based on a proven, modern and efficient Ro-Ro design.

The ship design is modular allowing the customer total flexibility to select the level of military features required from a basic commercial standard ship to a full military specification, while allowing for incremental upgrade.

Main Dimensions

Length Over All	approx.	173.20 m
Length Between P.P.	approx.	161.70 m
Breadth mld.	approx.	26.60 m
Depth 3rd.deck	approx.	13.30 m
Draught Summer	approx.	9.00 m
Scantling Draught	approx.	9.30 m

Performance

Service Speed	approx.	20-27 knots
Deadweight (t=9,00 m)	approx.	14000 tonnes

Class.

+1A1, DG-P, DEICE, OPP-F, HELDK-SHF, F-AMC, LCS-DC, E0, RP, Clean Design

Capacities

Ship

Marine Diesel Oil	approx.	2300 cu.m
Fresh water	approx.	1000 cu.m
Water ballast	approx.	7000 cu.m

Cargo

Marine Diesel Oil	approx.	8000 cu.m
Fresh water	approx.	1000 cu.m
Avcat	approx.	2000 cu.m
Lub oil	approx.	1000 cu.m
Dry Cargo	approx.	4100 cu.m
Provisions	approx.	1000 cu.m
Containers		17 FEU or 34 TEU

Aviation Facilities

Flightdeck and maintenance facilities for Merlin size helicopter including night flying and refuelling facilities

Accommodation

60 IMO standard en-suite cabins
30 Naval standard en-suite cabins

Propulsion

2 x	Bergen B32:40V12P propulsion engine type developing 6000 kW at 750 rpm
2 x	3000kW Electric Motors/Shaft Generators
2 x	Kamewa CP main propellers 16.4MW total

Electrical Power Generation

4 x	Bergen C25:33L8A generating set developing 2320 kW at 900 rpm (2204 kWel)
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Replenishment Equipment

4 x	Dual capacity all-electric RAS rigs
1 x	Over the stern FAS delivery rig
1 x	Over the bow FAS loading rig

Anti-Rolling Systems

2 x	Folding Fin Stabilisers
2 x	Stabilisation Tanks

Side Thrusters

2 x	1000kW Bow Thrusters
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Rudder

2 x	Spade rudders with rotary vane steering gear
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Deck Machinery

1 x	25 tonne x 20m deck crane
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Navigation Equipment

X-band ARPA Radar
S-Band ARPA Radar
DGPS
Autopilot
ECDIS Electronic Charting Systems
GMDSS
Navigational Echo Sounder

Armament

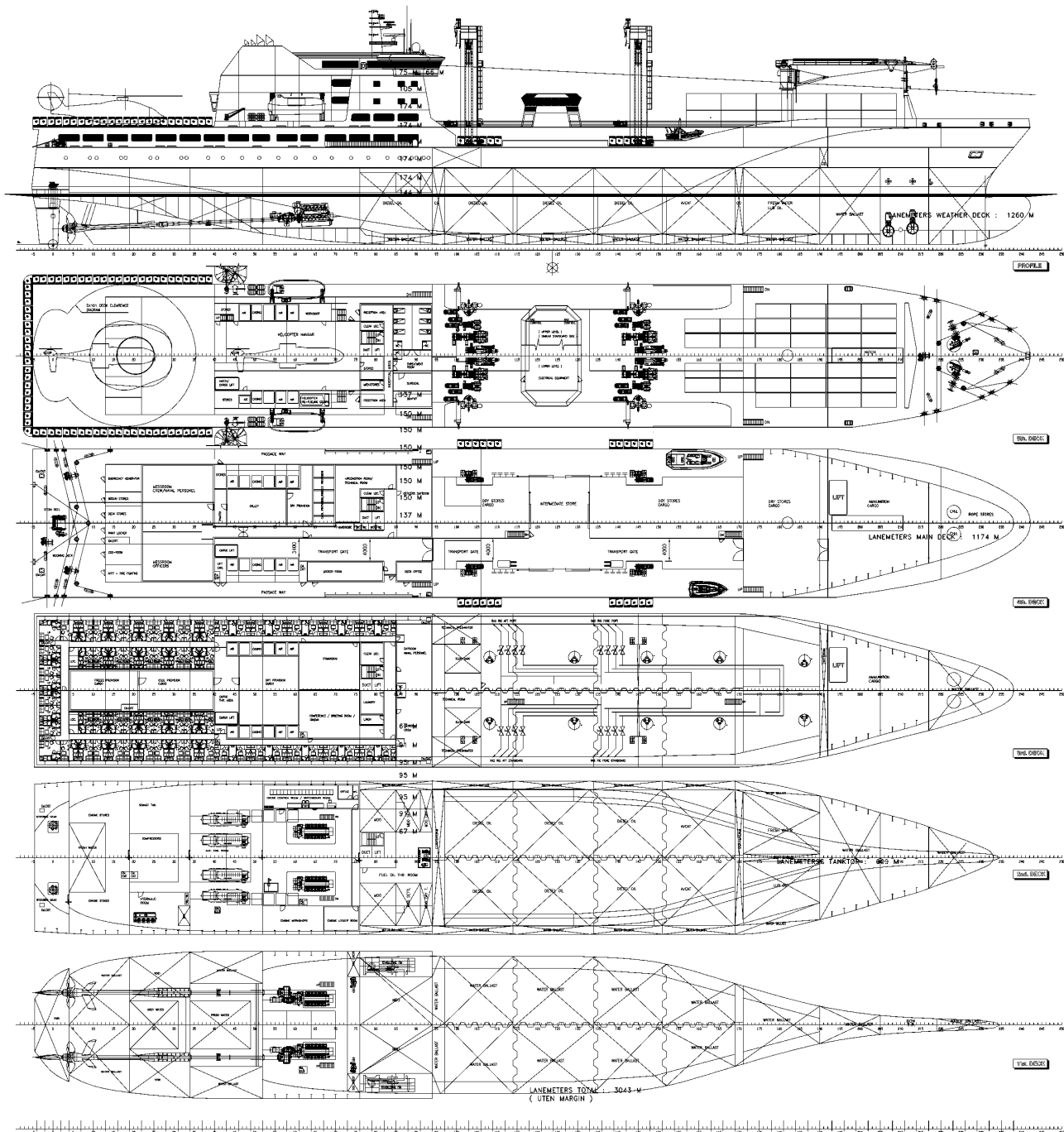
As per customers preference.

Platform Management System

Rolls-Royce VTAS System

Fact Sheet

20 knot underway replenishment ship
General Arrangement



Rolls-Royce

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