

Logistic Support Ship (LSS) 9000

Standard model



ARTIST IMPRESSION

GENERAL

Yard number	-
Primary mission roles	Logistic fleet support, Replenishment at Sea, VERTREP Helicopter operations and UAV deployment Naval operations support
Classification	Lloyd's Register: ✱100A1, ✱LMC, UMS, Helideck, Unrestricted Navigation except Arctic, Comf-Vib-2 / Comf-Noise-2, or equivalent.
Designed to	Lloyd's Register: RAS (ABV), or equivalent.
Stability	DEFSTAN 02-109, Naval auxiliary vessels, or equivalent.

DIMENSIONS (approx.)

Length overall	127.00 m
Beam moulded	19.50 m
Depth at sides	9.10 m
Draught scantling max.	6.20 m
Deadweight	4800 t
Displacement	9000 t

CARGO CAPACITIES (approx.)

Fuel oil F76	3300 m ³
Fresh water	500 m ³
F44 (JP-5, AVCAT)	300 m ³
Mission Containers	12 TEU
Dry Cargo	520 m ²

PERFORMANCES (approx.)

Maximum speed	18 kn
Range at cruising speed	10,000 nautical miles
Endurance	30 days

PROPULSION SYSTEM

Propulsion type	2x Diesel Direct, divided over two compartments
Diesel propulsion power	2x 4000 bkW
Propeller type	2x Dia. 3.00m, Controllable Pitch Propellers
Bow thruster (Optional)	1x Dia. 1.25m, 450 kW, fixed pitch

ELECTRICAL SYSTEM

Shaft Generator power	2x 700 kW, divided over two compartments
Generator power	2x 730 kW, divided over two compartments
Emergency generator set	1x @ 1800 rpm
Power network	440 V, 60 Hz, 3-phase 220 V, 60 Hz, 1-phase 24 V DC

DECK LAY-OUT

Fast rescue boats	2x 8.6m, inboard diesel driven with stern drive
Enclosed lifeboat	2x 32 persons SOLAS approved
Deck cranes	1x deck crane, 13 t @ 15.5 m
Side ramp fwd. vehicle bay	1x 10.5 tons SWL
Side ramp aft. mission bay	1x 1.0 tons SWL
Flight deck Cargo lift	1x marine cargo lift 3t SWL
Roll reduction system	Passive roll reduction free surface tank

REPLENISHMENT AT SEA SYSTEMS

Design	As per NATO STANAG 1065 RAS, ATP-16/MTP-16
RAS system	Abeam RAS-L system to supply liquids (SB and PS) Abeam Transfer of Light Freight max. 250 kg Abeam reception station for liquids (SB and PS) Astern RAS system to supply liquids by floating hoses
F76 capacity	2x 300 m ³ /hr @ 10 bar
F44 Capacity	2x 70 m ³ /hr @ 7 bar
Fresh water capacity	2x 70 m ³ /hr @ 7 bar
RAS control	Dedicated RAS control room

HELICOPTER AND UAV FACILITIES

Flight deck	Suitable for a helicopter with a MTOW 11 ton, L x B 24.0m x 19.5m
Flight deck facilities	For day and night operations including AFFF fire-fighting system
Helicopter hangar	Suitable for a NH 90
Helicopter facilities	Re- and De- fuelling system, starting facilities
VERTREP	According to NATO standards
UAV facilities	Dedicated UAV hangar at helicopter deck level

ACCOMMODATION

The accommodation offers spacious, fully air-conditioned rooms for 57 crew members and special personnel. There are separate day and mess rooms for senior officers, junior officers, and crew. Cabins are available in single, double, and quadruple configurations, all with private bathrooms. The facilities include a hospital with a recovery room for two people, offices, meeting rooms, a spacious wheelhouse, RAS control room, CIC room, laundry, and gymnasium.

The Aft Mission Bay can be converted to temporary accommodation (96 hours) for up to 80 embarked forces.

NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	2 x 1000W remote controlled
Radio equipment	According GMDSS rules for Area A3
Navigation equipment	Integrated bridge system, WECDIC and WIAS
Radars	1x Solid state X-Band & 1x Solid state S-band

MILITARY EQUIPMENT (GFE)

The LSS can be equipped with a large amount of self defence systems. Space has been reserved for the following equipment:

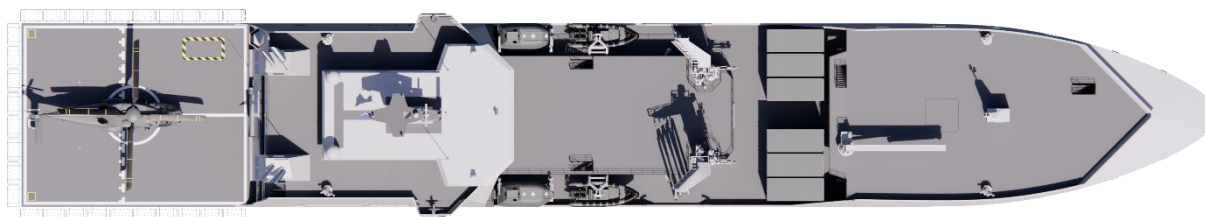
Communication:	Tactical data link (Link 16 & 22) Military SATCOM
Surveillance:	1x 3D/4D Surveillance Radar (range +/- 100km) + IFF mode 5 1x Electro-Optical Surveillance and Fire Control System 1x Fire Control Radar System 1x R-ESM 1x CIWS
Weapons:	2x 20mm remote controlled gun 2x 12.7 mm heavy machine gun 4x Decoys

Other systems are possible upon request.

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Designed to . Stability	Lloyd's Register: RAS (ABV), or equivalent DEFSTAN 02-109, Naval auxiliary vessels, or equivalent.

DIMENSIONS (approx.)

Length overall	140.20 m
Beam moulded	19.50 m
Depth at sides	9.10 m
Draught scantling max.	6.20 m
Deadweight	6200 t
Displacement	11000 t

CARGO CAPACITIES (approx.)

Fuel oil F76	4850 m ³
Fresh water	500 m ³
F44 (JP-5, AVCAT)	300 m ³
Mission Containers	24 TEU
Dry Cargo	670 m ²

PERFORMANCES (approx.)

Maximum speed	18 kn
Range at cruising speed	10,000 nautical miles
Endurance	30 days

PROPULSION SYSTEM

Propulsion type	2x Diesel Direct, divided over two compartments
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DECK LAY-OUT

Fast rescue boats	2x 8.6m, inboard diesel driven with stern drive
Enclosed lifeboat	2x 32 persons SOLAS approved
Deck cranes	1x deck crane, 13 t @ 16.5 m
Side ramp fwd. vehicle bay	1x 10.5 tons SWL
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Flight deck Cargo lift	1x marine cargo lift 3t SWL
Roll reduction system	Passive roll reduction free surface tank

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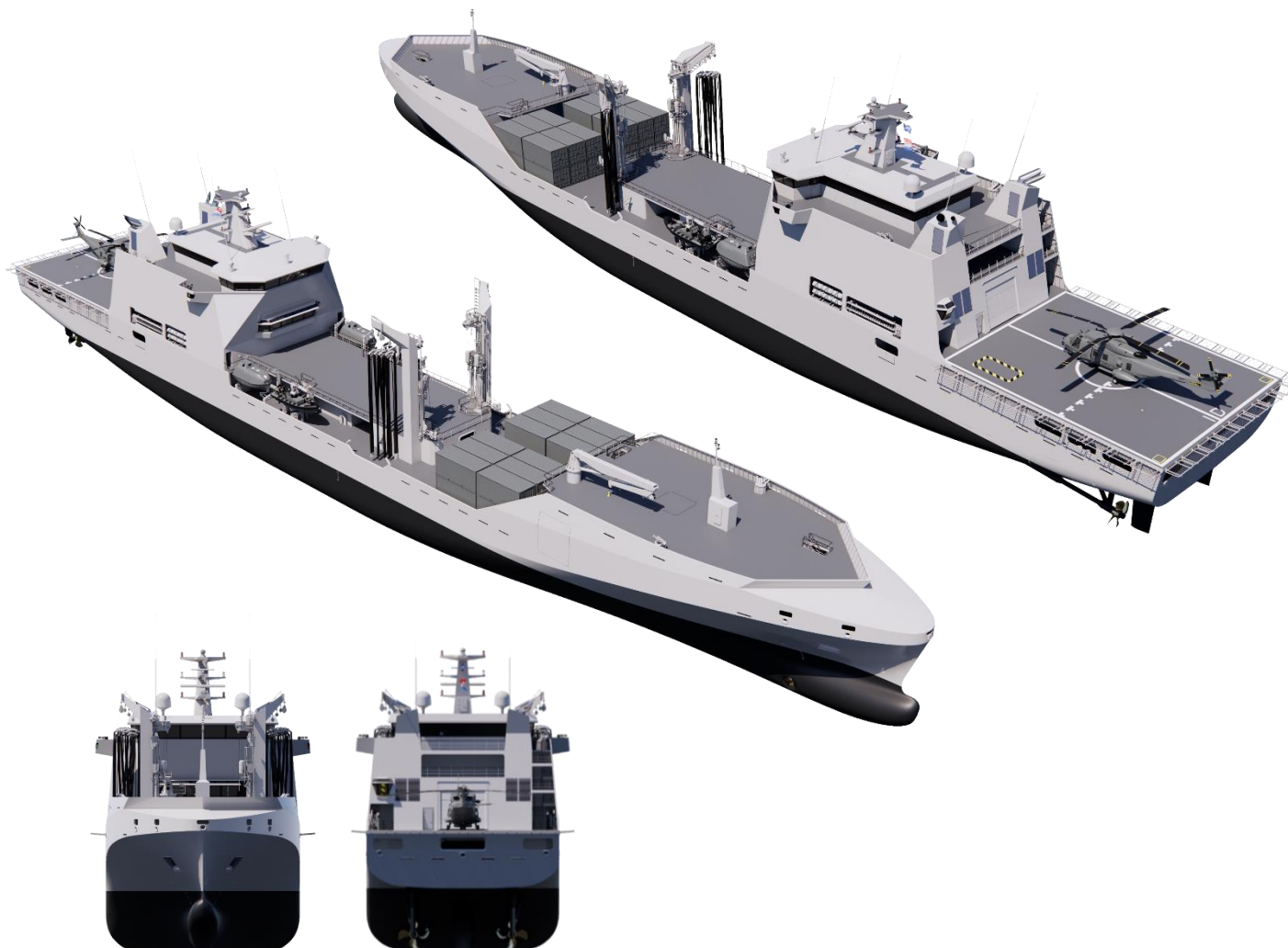
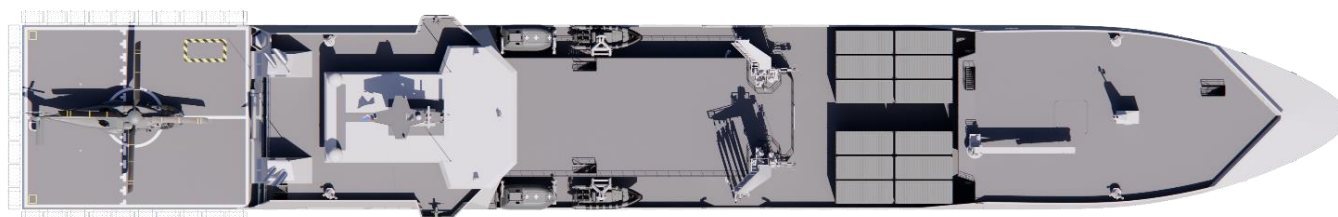
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