



*Dry Cargo / Ammunition Ship  
Lewis and Clark (T-AKE 1) Class*



## Lewis and Clark (T-AKE 1) Class Dry Cargo/Ammunition Ship FACT SHEET

### Mission

Deliver ammunition, provisions, stores, spare parts, potable water and petroleum products to carrier battle groups and other naval forces, serving as a shuttle ship or station ship.

### Principal Characteristics

Length Overall.....(689 ft.) 210.0M  
Length between Perpendiculars.....(654.7 ft.) 199.55M  
Beam, Molded.....(105.6 ft.) 32.2M  
Draft, Design.....29.9 ft.) 9.12M  
Draft, Scantling.....(31.2 ft.) 9.50M  
Displacement at Design Draft.....41,000 MT

### Speed and Endurance

- Design Speed—20 knots @ design draft and 80% propulsion MCR
- Range—14,000 NM @ design speed and draft

### Propulsion and Power Generation Plant

- Integrated propulsion and ship service electrical 6.6 kV distribution system
- Four FM/MAN B&W 9L and 8L 48/60 diesel generators with total installed power of 35.7 MW
- Propulsion plant meets American Bureau of Shipping R1 redundancy requirements
- Twin synchronous, variable speed, reversible, double-wound, Alstom propulsion motors with brush/slip-ring excitation, each rated at 11,262kW at 120 rpm and mounted in tandem
- Single fixed-pitch propeller

### Accommodations

Berthing, messing and leisure and community spaces for a combined Military Sealift Command naval and civilian complement of 172, plus 25 spares

### Cargo Capacities

Dry cargo .....6,675 MT  
Cargo fuel.....3,242 MT (23,450 bbl)  
Cargo potable water.....200 MT (52,800 gal)

### Cargo Systems

- Two multi-purpose cargo holds for dry stores and/or ammunition
- One cargo hold for freeze, chill and/or dry stores
- Three specialty cargo and spare parts cargo holds
- Additional specialty cargo spaces on 01 Level
- Extensive cargo prestaging areas on Main Deck
- Lightweight portable cargo dunnage system
- Five cargo fuel tanks plus one slop tank
- Two cargo potable water tanks
- Three dry cargo and one liquid cargo Connected Replenishment (CONREP) stations on each side
- Vertical Replenishment (VERTREP) by aircraft, using flight deck on Main Deck
- Capability for simultaneous operation of five CONREP stations, or three CONREP stations plus VERTREP
- Hangar and support facilities for two embarked military or commercial helicopters
- Four 5 MT cranes for loading and offloading pierside or at anchorage
- Eight cargo elevators for moving cargo between Main Deck and stowage locations

### Special Features

- Firefighting systems include: seawater sprinkling and dewatering systems in cargo holds  
foam system for flight deck, hangar and machinery  
space bilges  
FM-200 clean agent fire extinguishing system for machinery spaces and certain other spaces
- Naval communications suite
- Air-conditioned cargo holds
- Bow thruster
- Extensive pollution control systems, including: ballast water exchange  
cargo fuel vapor recovery  
main and auxiliary diesel exhaust meet MARPOL Annex VI guidelines