DDG 42 Mahan [Farragut Class] - 1991 NTU Test Unit

United States



Type: DDG - Guided Missile Destroyer
Max Speed: 32 kt
Commissioned: 1991
Decommissioned: 1993
Length: 156.2 m
Beam: 16.0 m
Draft: 5.4 m
Crew: 360
Displacement: 4167 t
Displacement Full: 5648 t
Propulsion: 4x Babcock & Wilcox Boilers, 2x Allis-Chalmers Steam Turbines

Sensors / EW:
- AN/SLQ-32(V)2 [ESM] - (Group, 1983) ESM, ELINT, Max range: 926 km
- AN/SQQ-23A PAIR - (1974, AN/SQS-23 with Second Transducer) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Attack, Max range: 37 km
- AN/SPG-55B [Mk76 Mod 9 FCS] - (1974, AN/SQS-23 with Second Transducer) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 277.8 km
- LN-66LP - (AN/SPS-59, 10kW) Radar, Radar, Surface Search, Short-Range, Max range: 59.3 km
- AN/SPG-53F [Mk68 GFCS, Radar] - (Group) Radar, Radar, FCR, Weapon Director, Max range: 111.1 km
- AN/SPG-53F [Mk68 GFCS, Visual] - (Group) Visual, Visual, Weapon Director TV Camera, Max range: 74.1 km
- AN/SPS-53 - (1967, AN/SPS-60) Radar, Radar, Surface Search & Navigation, Max range: 37 km
- AN/SPS-10B - (1967, AN/SPS-60) Radar, Radar, Surface Search & Navigation, Max range: 74.1 km
- AN/SPS-49(V)5 NTU - (1967, AN/SPS-60) Radar, Radar, Air Search, 2D Long-Range, Max range: 463 km
- AN/SPS-48E NTU - (1988) Radar, Radar, Air Search, 3D Long-Range, Max range: 407.4 km

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Weapons / Loadouts:
- 127mm/54 HE-CVT [HiFrag] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- 127mm/54 HE-PD [HiCap] - (USN) Gun. Air Max: 2.8 km. Surface Max: 20.4 km. Land Max: 20.4 km.
- 127mm/54 WP - (USN) Gun. Surface Max: 20.4 km. Land Max: 20.4 km.
- RUR-5A Mod 4 ASROC RTT [Mk46 Mod 5] - Guided Weapon. Subsurface Max: 18.5 km.
- Mk50 Barracuda Mod 0 ALWT - (1991) Torpedo. Subsurface Max: 7.4 km.
- Mk46 NEARTIP Mod 5 - (1984) Torpedo. Subsurface Max: 7.4 km.
- RGM-84D Harpoon IC - (1986) Guided Weapon. Surface Max: 138.9 km.
- Mk214 Sea Gnat Chaff [Seduction] - (1987) Decoy (Expendable). Surface Max: 1.9 km.
- Mk216 Sea Gnat Chaff [Distraction] - (1988) Decoy (Expendable). Surface Max: 1.9 km.
- Mk186 TORCH Flare [Seduction] - (1979) Decoy (Expendable). Surface Max: 1.9 km.
- T Mk 6 Fanfare - Decoy (Towed). Surface Max: 1.9 km.

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- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.
- RIM-67C SM-2ER Blk II - (1985) Guided Weapon. Air Max: 185.2 km. Surface Max: 46.3 km.
- 7.62mm MG Burst [20 rnds] - (Ship & Facility) Gun. Surface Max: 0.4 km. Land Max: 0.4 km.

OVERVIEW: The Farragut class was the second destroyer class of the United States Navy to be named for Admiral David Glasgow Farragut. The class is sometimes referred to as the Coontz class, since Coontz was first to be designed and built as a guided missile ship, whereas the previous three ships were designed as all-gun units and converted later.

Ten Farragut-class ships were ordered between 1955 and 1957. Each ship displaced 5,800 tons under full load, with a length of 512 feet (156 m), a 52-foot (16 m) beam and a top speed of 33 knots (61 km/h). Originally commissioned as guided missile frigates (DLG), they were redesignated as guided missile destroyers (DDG) under the fleet realignment in 1975. They were also the only redesignated ships to be renumbered as well under the realignment, with the first unit changing from DLG-6 to DDG-37 and all subsequent vessels being renumbered upwards in order.

TYPE: Guided Missile Destroyer (DDG).

SPECIFICATIONS: Displacement: 5,648 tons (full load) || Length: 512.5 ft (156.2 m) || Beam: 52.3 ft (16 m) || Draught: 17.8 ft (5.4 m) || Propulsion: (2) shaft, (2) Allis-Chalmers turbines || (4) each 1,200 Pound forced draft Babcock and Wilcox D-type super heated boilers || 85,000 shp (63,000 kW) || Complement: 360.

PERFORMANCE: Speed: 32 knots (59 km/h) || Range: 5,000 nmi (9,000 km) at 20 knots (37 km/h).

SENSORS: AN/SPS-10 surface search RADAR || AN/SPS-37 air search RADAR || AN/SPS-39 3D air search RADAR || AN/SPG-53 gun fire control RADAR || AN/SPG-55 Terrier fire control RADAR || AN/SQS-23 SONAR.

ARMAMENT: (1) Mark 10 Launcher Terrier SAM || (1) 5in (127 mm) Gun || (1) ASROC Launcher || (6) 12.8in (324 mm) ASW TT || (8) Harpoon SSM (After third update).

SHIPS BUILT: Farragut (DDG-37) || Luce (DDG-38) || Macdonough (DDG-39) || Coontz (DDG-40) || King (DDG-41) || Mahan (DDG-42) || Dahlgren (DDG-43) || William V. Pratt (DDG-44) || Dewey (DDG-45) || Preble (DDG-46).

SOURCE: [SCO] Wikipedia http://en.wikipedia.org