

C 550 Vittorio Veneto - 1975

Italy

Type: CGH - Guided Missile Helicopter Cruiser

Max Speed: 32 kt

Commissioned: 1975

Length: 179.6 m

Beam: 19.4 m

Draft: 5.5 m

Crew: 557

Displacement: 8130 t

Displacement Full: 9500 t

Propulsion: 4x Foster-Wheeler Boilers, 2x Tosi

Geared Steam Turbines



Sensors / EW:

- Telegon 4 - (AK 1200) ESM, HF/DF, Max range: 926 km
 - AN/SPS-52 - (AK 1200) Radar, Radar, Air Search, 3D Long-Range, Max range: 444.5 km
 - AN/SPS-40 - (1963) Radar, Radar, Air Search, 2D Long-Range, Max range: 407.4 km
 - Decca - (Generic) Radar, Radar, Surface Search & Navigation, Max range: 37 km
 - MM/SPG-70 [RTN-10X Orion] - (RTN-10X Orion, GFCR, Argo) Radar, Radar, FCR, Weapon Director, Max range: 37 km
 - AN/SPG-55B [Mk76 Mod 8 FCS] - (RTN-10X Orion, GFCR, Argo) Radar, Radar, FCR, Surface-to-Air, Medium-Range, Max range: 277.8 km
 - AN/SQS-23G TRAM - (TRAM Version of AN/SQS-23C) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Attack, Max range: 37 km
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Weapons / Loadouts:

- Generic GMTR [Guided Missile Training Round] - (Aka Drill Round) Training Round.
 - RUR-5A Mod 4 ASROC RTT [Mk46 Mod 2] - Guided Weapon. Subsurface Max: 18.5 km.
 - RIM-2F Terrier - Guided Weapon. Air Max: 74.1 km. Surface Max: 46.3 km.
 - Mk46 LWT Mod 2 - (1972) Torpedo. Subsurface Max: 5.6 km.
 - AN/SLQ-25 Nixie - Decoy (Towed). Surface Max: 1.9 km.
 - 76mm/62 Mk1 HE - Gun. Air Max: 2.8 km. Surface Max: 11.1 km. Land Max: 11.1 km.
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OVERVIEW: The EXETER class (Type 42 Batch 2) is a COGOG-powered guided missile destroyer (DDG).

DETAILS: The EXETER class was designed to provide area air defense for a task force. The class used a combined gas or gas

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(COGOG) to power its two shafts. In this system, a high efficiency, low output turbine is used for cruising speeds with a high output turbine being used for high-speed operations. The main problem with this engineering plant is the extreme noise it develops, rendering the Type 42 unsuited for long, slow stalking of a quiet submarine. The Batch 2 series were modestly improved over the Batch 1 series in terms of electronics and internal arrangements.

Specifications:

Displacement: 3,500 tons (standard); 4,100 (full load)
Speed: 29 knts
Engineering: 2 shaft, 4 gas turbines (2 for full power, 2 for cruise)
Range: 4,000 nm @ 18 knts
Complement: 253
In Commission: 1980-2012
Completed: 4

NOTES: Units in class: EXETER (D89); SOUTHAMPTON (D90); NOTTINGHAM (D91); LIVERPOOL (D92). The Type 42 was conceived as a lighter and cheaper alternative to the Type 82, while maintaining much of the Type 82's capabilities. The Type 42 achieved this by using a much smaller hull than the Type 82, deleting the Ikara ASW missile and the Limbo ASW mortar, and maximizing system centralization and automation, while minimizing system duplication, and using economical living spaces. This made it possible to fit these capabilities into a small hull.

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 662 ; "Type 42 Destroyer." Wikipedia, the Free Encyclopedia. Accessed May 17, 2015. http://en.wikipedia.org/wiki/Type_42_destroyer ; "Type 42." GlobalSecurity.org - Reliable Security Information. Accessed May 17, 2015. <http://www.globalsecurity.org/military/world/europe/type42.htm>.