

Type 052C Luyang II [170 Lanzhou] - 2005

China

Type: DDG - Guided Missile Destroyer

Max Speed: 29 kt

Commissioned: 2005

Length: 155.0 m

Beam: 17.0 m

Draft: 6.0 m

Crew: 280

Displacement: 5850 t

Displacement Full: 6600 t

Propulsion: 2x MTU 20V 956 TB92 Diesels, 2x

DN-80 Gas Turbines, CODOG



Sensors / EW:

- China Type 344 - (GFCR, 100/130mm, MR-34) Radar, Radar, FCR, Weapon Director, Max range: 27.8 km

- China H/LJG-346 [Type 346] PAR - (Kvant/APAR, HHQ-9 FCR) Radar, Radar, FCR, Surface-to-Air,

Medium-Range, Max range: 277.8 km

- China H/RJZ-726-5 [Type 726-5, ESM] - (SRW-210A) ESM, ELINT w/ OTH Targeting, Max range: 926 km

- China H/SJD-9 [DUBV 23] - (Luda III, Luhu) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search &

Track, Max range: 14.8 km

- China H/LJQ-517B [Type 517H-1] Knife Rest - (Pea Sticks) Radar, Radar, Air Search, 2D Long-Range, Max range:

333.4 km

- China H/SJG-206 TASS - (Assoc w SJD-9, Surface Units) TASS, Passive-Only Towed Array Sonar System, TASS,

Passive-Only Towed Array Sonar System, Max range: 129.6 km

- China Type NRJ-6A [ECM] - (Group, Type 052C/D) ECM, OECM & DECM, Offensive & Defensive ECM, Max

range: 0 km

- China Type NRJ-6A [RWR] - (Group, Type 052C/D) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km

- Band Stand [Mineral-ME1, Active Element] - (SSM FCR, 3M82?) Radar, Radar, Target Indicator, Surf-to-Surf, Max

range: 250 km

- Band Stand [Mineral-ME2, Passive Element] - (SSM FCR, 3M82?) ESM, ELINT w/ OTH Targeting, Max range:

444.5 km

- Band Stand [Mineral-ME3, Exchange & Orientation Element] - (SSM FCR, 3M82?) Radar, Radar, Surface Search,

Short-Range, Max range: 29.6 km

- China H/LJQ-364 [Type 364] - (SR-64, Seagull-C) Radar, Radar, Target Indicator, 2D Surface-to-Air, Max range:

129.6 km

Weapons / Loadouts:

- 100mm/55 H/PJ-87 HECVT - Gun. Air Max: 2.8 km. Surface Max: 13 km. Land Max: 13 km.

- 100mm/55 H/PJ-87 HE - Gun. Surface Max: 13 km. Land Max: 13 km.

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- 30mm China H/PJ-12 [Type 730, 240 rnds] - (China, Goalkeeper Copy) Gun. Air Max: 1.9 km. Surface Max: 2.8 km.
 - Yu-7 - (China, 1998?) Torpedo. Subsurface Max: 3.7 km.
 - Generic Flare Rocket [Single Spectral] - (Ship-only) Decoy (Expendable). Surface Max: 1.9 km.
 - Generic Chaff Rocket - (Ship-only) Decoy (Expendable). Surface Max: 1.9 km.
 - HQ-9A - (China) Guided Weapon. Air Max: 148.2 km.
 - YJ-62 - (2006, LR SSM) Guided Weapon. Surface Max: 398.2 km.
 - China Towed Acoustic Decoy - (2012+) Decoy (Towed). Surface Max: 1.9 km.
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OVERVIEW: The Type 052C destroyer (NATO code name Luyang II class, or Lanzhou class after the lead ship) is a class of destroyer built by the People's Republic of China. It features a four array AESA multi-function phased array radar for 360-degree coverage. The radar is used in conjunction with vertically launched HHQ-9 long-range air defence missiles. The Type 052C was the first warship in the People's Liberation Army Navy to have true long-range fleet air defence capability.

DETAILS: The Type 052C used the same hull and propulsion as the preceding Type 052B destroyer, which had also been built by Jiangnan. While the Type 052B used a mixture of Russian and Chinese systems, the Type 052C used predominantly Chinese systems, with a few sensors being notable exceptions.

The Type 052C was designed for the fleet air defence role, and mounted the Type 348 Active Electronically Scanned Array (AESA) radar, and vertically launched HQ-9 air defence missiles. It also carried YJ-62 anti-ship missiles. All three were new aboard Chinese warships.

Aviation facilities included a rear hangar and flight deck for one Ka-28-A or Z-9 helicopter.

TYPE: Guided Missile Destroyer (DDG).

SPECIFICATION: Displacement: 7,000 tons || Length: 155.5 m || Beam: 17.2 m || Draught: 6.1 m || Propulsion: CODOG (2) DN80 / 2 QC-280 gas turbines each generating 24 MW / 28 MW and 2 MTU Friedrichshafen 12V 1163TB83 diesels each generating 5 MW || Complement: 280

PERFORMANCE: Speed: 29 knots.

SENSORS: Type 348 Radar || Anti stealth radar with Yagi antenna || MR 331 fire control radar || Type 344 Radar || LR66/TR47C radar || Type 364 Radar.

ARMAMENT: HHQ-9 long-range surface-to-air missiles || C-805 anti-ship / land attack cruise missiles || HN-2 land attack cruise missiles || YJ-62 anti-ship / land attack cruise missiles || (1) Type 210 100 mm dual purpose gun || (2) 30mm Type 730 close-in weapons systems || (6) torpedo tubes || (4) 18-tube decoy rocket launcher.

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