CG 59 Princeton [Ticonderoga Baseline 3, VLS] - 2018 SM-3 Blk IIA

United States

Type: CG - Guided Missile Cruiser

Max Speed: 35 kt

Commissioned: 2018

Length: 172.8 m

Beam: 16.8 m

Draft: 9.6 m

Crew: 379

Displacement: 8910 t

Displacement Full: 9466 t

Propulsion: 4x General Electric LM-2500 Gas Turbines, COGAG

Sensors / EW:

- TB-37/U MFTA [AN/SQR-20] - (2010, CG Version) TASS, Active/Passive Towed Array Sonar System, TASS, Active/Passive Towed Array Sonar System, Max range: 129.6 km
- AN/SPY-1B MFR [ABM Mod] - (2010, CG Version) Radar, Radar, FCR, Surface-to-Air, Long-Range, Max range: 324.1 km
- AN/SLQ-32A(V)3 [ECM] - (Group, 2010, CMP) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km
- AN/SLQ-32A(V)3 [ESM] - (Group, 2010, CMP) ESM, ELINT, Max range: 926 km
- AN/SPG-62 [Mk99 FCS, ABM Mod] - (Group, 2010, CMP) Radar, Radar Illuminator, Long-Range, Max range: 305.6 km
- AN/SPS-55 - (Group, 2010, CMP) Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- AN/SQS-53B(V)2 - (Ticonderoga CG 56-64) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 74.1 km
- AN/SPQ-9B - (2001) Radar, Radar, Target Indicator, 3D Surface-to-Air & Surface-to-Surface, Max range: 46.3 km
- AN/SPS-64(V)9 [RM 1220 6X] - (20kW, USN, 1x antenna) Radar, Radar, Surface Search & Navigation, Max range: 37 km
- Mk20 Mod 0 DIS [CCD] - (Group, 2010, CG 47, CMP) Visual, LLTV, Weapon Director & Target Search, Slaved Tracking and Identification, Max range: 185.2 km
- Mk20 Mod 0 ELRF [Laser Rangefinder] - (Group, 2010, CG 47, CMP) Laser Rangefinder, Laser Rangefinder for Weapon Director, Max range: 0 km
- Mk20 Mod 0 TIS [IR] - (Group, 2010, CG 47, CMP) Infrared, Infrared, Weapon Director & Target Search, Slaved Tracking and Identification Camera, Max range: 185.2 km
- Kingfisher - (Group, 2010, CG 47, CMP) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine & Obstacle Avoidance, Max range: 1.1 km

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Weapons / Loadouts:

- Mk46 NEARTIP Mod 5A(S) - (1997) Torpedo. Subsurface Max: 7.4 km.
- Mk50 Barracuda Mod 0 ALWT - (1991) Torpedo. Subsurface Max: 7.4 km.
- Mk54 LHT Mod 0 - (2004) Torpedo. Subsurface Max: 7.4 km.
- RGM-84G Harpoon ICR - (1998) Guided Weapon. Surface Max: 138.9 km.
- 25mm/75 Bushmaster Mod 2 Burst [12 rnds] - Gun. Air Max: 1.5 km. Surface Max: 2.8 km. Land Max: 2.8 km.
- 20mm/100 Mk15 Phalanx Blk 1B Burst [300 rnds] - Gun. Air Max: 1.5 km. Surface Max: 1.9 km.
- 12.7mm/50 MG Burst [10 rnds] - (Facility/Ship, No Anti-Air Capability) Gun. Surface Max: 1.9 km. Land Max: 1.9 km.
- 127mm/62 Mk187 HE-MFF [Mk64 HiCap Body, Mk419 Fuse] - (2009, Land, ASuW, AAW, Multi-Function Fuze) Gun. Air Max: 2.8 km. Surface Max: 22.2 km. Land Max: 24.1 km.
- 127mm/62 Mk176 Illum-ET [Cargo Body, Mk432 Fuse] - (2006) Gun. Surface Max: 22.2 km. Land Max: 24.1 km.
- 127mm/62 Mk186 HE-MOFN [Mk64 HiCap Body, Mk437 Fuse] - (2015, Land and ASuW, No AAW, Multi-Option Fuze Navy) Gun. Surface Max: 22.2 km. Land Max: 24.1 km.
- RUM-139C VLA [Mk54] - (2008) Guided Weapon. Subsurface Max: 16.7 km.
- RIM-66M-5 SM-2MR Blk IIIB - (2000, AEGIS VLS) Guided Weapon. Air Max: 166.7 km. Surface Max: 46.3 km.
- RGM-109D Tomahawk Blk III TLAM-D - (1996) Guided Weapon. Land Max: 1296.4 km.
- RGM-109C Tomahawk Blk III TLAM-C - (1994) Guided Weapon. Land Max: 1296.4 km.
- RGM-109E Tomahawk Blk IV TACTOM - (2005) Guided Weapon. Land Max: 1600.1 km.
- RIM-66M-2 SM-2MR Blk IIIA - (AEGIS VLS) Guided Weapon. Air Max: 166.7 km. Surface Max: 46.3 km.
- RIM-174A ERAM SM-6 Dual I - (2017, ABM, Anti-ASBM) Guided Weapon. Air Max: 426 km.
- RIM-162A ESSM - (2004, AEGIS, Mk41) Guided Weapon. Air Max: 55.6 km. Surface Max: 46.3 km.
- RIM-161C SM-3 NTW Blk IB - (2014) Guided Weapon. Air Max: 370.4 km.
- RGM-109I Tomahawk Blk IV MMT [Multi-Mission] - (2015, ASuW Capable) Guided Weapon. Surface Max: 1600.1 km. Land Max: 1600.1 km.
- RIM-161E SM-3 NTW Blk IIA - (2018) Guided Weapon. Air Max: 2453.9 km.
- RIM-174A ERAM SM-6 Blk IA - (2017, ABM, Anti-Surface) Guided Weapon. Air Max: 426 km. Surface Max: 426 km.
- Mk234 Nulka - (2002) Decoy (Expendable). Surface Max: 1.9 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.
- Mk245 GIANT Flare - (1997, DM19A1) Decoy (Expendable). Surface Max: 1.9 km.
- AN/SLQ-25A Nixie - Decoy (Towed). Surface Max: 1.9 km.