HA 8 Bougainville [America Flight I] - 2024 Hybrid-Drive, Well Deck, Reinforced Deck, EASR AES

United States

Type: LHA - Amphibious Assault Ship, General Purpose

Max Speed: 22 kt

Commissioned: 2024

Length: 257.3 m

Beam: 32.3 m

Draft: 7.9 m

Crew: 1059

Displacement: 42000 t

Displacement Full: 45000 t

Propulsion: 2x Combustion Engineering Boilers, 2x Westinghouse Geared Steam Turbines

Sensors / EW:
- AN/SPS-64(V)9 [RM 1220 6X] - (20kW, USN, 1x antenna) Radar, Radar, Surface Search & Navigation, Max range: 37 km
- AN/SPS-67(V)1 - (1982) Radar, Radar, Surface Search & Navigation, Max range: 64.8 km
- AN/SPN-43C - (1994) Radar, Radar, Shipboard Air Traffic Control (SATC), Max range: 129.6 km
- AN/SPY-6(V)2 EASR - (LX(R), LHA) Radar, Radar, Air & Surface Search, 3D Long-Range, Max range: 463 km
- AN/SPQ-9B - (2001) Radar, Radar, Target Indicator, 3D Surface-to-Air & Surface-to-Surface, Max range: 46.3 km
- Mk95 [EO] - (Mk6 Mod 0, Mk91 FCS) Visual, Visual, Target Tracking and Identification TV Camera, Max range: 148.2 km
- Mk95 [Radar] - (MFCR, Mk91 FCS) Radar, Radar Illuminator, Medium-Range, Max range: 118.5 km
- AN/SSQ-108(V)2 Outboard II - (MFCR, Mk91 FCS) ESM, HF/DF w/ OTH Targeting, Max range: 926 km
- AN/SLQ-32(V)3 [ECM] - (Group, 1983) ECM, OECM & DECM, Offensive & Defensive ECM, Max range: 0 km
- AN/SLQ-32(V)3 [ESM] - (Group, 1983) ESM, ELINT, Max range: 926 km

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Weapons / Loadouts:
- RIM-162D ESSM - (2004, Mk29) Guided Weapon. Air Max: 55.6 km. Surface Max: 46.3 km.
- 25mm/75 Bushmaster Mod 1 Burst [12 rnds] - Gun. Air Max: 1.5 km. Surface Max: 2.8 km. Land Max: 2.8 km.
- 20mm/85 Mk15 Phalanx Blk 1 Burst [300 rnds] - Gun. Air Max: 1.5 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.
- 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.
- RIM-116B RAM Blk I - (2001) Guided Weapon. Air Max: 11.1 km. Surface Max: 11.1 km.