

NAVAL ASSETS COMPARISON A

December 1941

Torpedoes

Japan
Long Lance Model 95

United States
Mark 14

| | | | |
|-----------------------------|------------------------------|-----------------------------|----------------------------------|
| Speed | 49 Knots | Speed | 46 knots |
| Range | 11 Miles | Range | 2 1/2 Miles |
| Weight of explosive Warhead | 1000 Ibs | Weight of Explosive Warhead | 507 Ibs |
| Propulsion system | Oxygen with no. visible wake | Propulsion system | Steam with a <u>visible</u> wake |
| Reliability | Excellent | Reliability | Poor |

Carrier Based Aircraft Fighter

Japan
Mitsubishi A6M2 Model 21 (Zero)

United States
Grumman F4F-4 (Wildcat)

| | | | |
|-----------------------|---|-----------------------|--|
| Top speed | 331 MPH | Top speed | 274 MPH |
| Maximum rate of climb | 2,812 Feet per minute | Maximum rate of climb | 1,920 Feet per minute |
| Range | 1,940 Miles with external tanks | Range | 1,275 Miles with external tanks |
| Armament | 2- 20 mm Cannons 2- 7.7 mm Machine guns | Armament | 6- 50 cal Machine guns |
| Safety feature | None | Safety features | Armor for the pilot and self-sealing fuel tanks. |

Aircraft Carrier Strength

| | | | |
|--|-------|---|---------------|
| | Japan | | United States |
| Number of operational carriers in the Pacific Ocean | 9 | Number of operational carriers in the Pacific Ocean | 3 |
| Number of aircraft embarked on the above. | 473 | Number of aircraft embarked on the above | 216 |
| Number of operational carriers outside of the Pacific. | None | Number of operational carriers outside of the Pacific (Atlantic)* | 5 |
| Number of aircraft embarked on non-Pacific carriers | None | Number of aircraft embarked on non-Pacific carriers | 305 |

* These carriers were kept in the Atlantic as a counter to Nazi naval power.

Super Battleships

| Japan | | United | |
|---|---------------------|---|---|
| Number of super battleships operational in 1941 | 1(<i>Yamato</i> *) | Number of super battleships operational in 1941 | 2 (<i>North Carolina</i> . and <i>Washington</i>)** |
| Main armament | 9- 18 inch guns | Main armament | 9- 16 inch guns |
| Range of main armament | 26 Miles | Range of main armament | 21 miles |
| Weight of projectile | 3, 218 lbs. | Weight of projectile | 2700 lbs |
| Speed of ship | 27 Knots | Speed of ship | 27 knots |
| Displacement | 64,000 Tons | Displacement | 38,000 tons |
| First commissioned | 1941 | First commissioned | 1941 |

**Yamato* and the under construction *Musashi* were unknown to U.S. intelligence in 1941. The fact that both of these ships carried 18 inch guns was not discovered by the United States until after World War II.

**Assigned to the Atlantic Fleet

Other Battleship Strength

| Japan | | United States | |
|--|-----------------------|---|-----------------------|
| Number of battleships operational in the Pacific in December, 1941 | 10 | Number of battleships operational in the Pacific in December, 1941 | 9 |
| Average speed of the Pacific battleship fleet | 272 knots | Average speed of the Pacific battleship fleet | 21 knots |
| Number of operational battleships outside of the Pacific | None | Number of _ operational battleships outside of the Pacific (Atlantic) | 6 |
| Armament of battleships | 14 to 16 inch guns | Armament of battleships | 12 to 16 inch guns |
| Extreme range of Armaments | About 23 miles* | Extreme range of Armaments | About 23 miles |
| Displacements for all battleships | 32,156 to 39,130 tons | Displacements for all battleships | 27,900 to 34,000 tons |

*An estimation.

Radar

| Japan | United States |
|-------|--|
| None | Installation of radar on U.S. and British warships was well underway in 1941. By late 1942 most U.S. Navy ships had radar. |