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## USS Midway by the Numbers

### Ship

- 240,000 gallons of freshwater produced daily
- 212,000 horsepower
- 190,000 pieces in the flight deck
- 43,000 pounds of laundry per week
- 30,000 light fixtures
- 4,000+ pad eyes on flight deck and hangar deck
- 1,500 feet: length of arresting cable
- 340 feet the length of the runout when a plane lands
- 100 landings: Expected lifespan of flight deck arresting cables
- 1,800 feet of anchor chain aboard
- 2,000 compartments
- 1,500 telephones
- 1001 feet long: More than 3 football fields
- 258 feet wide
- 220 feet to the top of the mast
- 156 pounds: each anchor chain's link
- 4.02 acre flight deck
- 4 propellers: two 4-bladed props weigh 21.7 tons and are 18' 8" across. Two 5-bladed props weigh just 19.7 tons and measure 17' 6" across
- 45 seconds: the time between landings
- 12 boilers and 4 high pressure/low pressure turbines
- 55 feet: elevation of flight deck off the water
- 18 decks, equivalent of a 20-story building
- 35-foot draft under water in 1991. Today it's about 29 feet
- Catapult power: 0 to 170 mph (150 knots) in 3 seconds or less
- 3½ inches of steel armor in the flight deck.
- Speeds (approximate)
  - 33 knots = 38 miles per hour
  - aircraft landing speed: 150 knots = 172 mph
  - aircraft could land about every 45 seconds
  - Midway went so fast you could water ski behind it

### Fuel

- 3.5 million gallons of ship & aviation fuel
- 100,000 gallons consumed daily in the ship's boilers
- Fuel economy: approximately 260 gallons to the mile (or about 20 feet per gallon)

### Crew

- 200 aviators
- (4,300 others worked so 200 could fly)
- Approx. 650 men in engineering
- Approx. 225 cooks
- Approx. 30 corpsmen
- 40 commanding officers in 47 years
- 3 chaplains

#### Logistics

- 10 tons of food per day
- 13,500 meals a day
- 10,500 cups of coffee at a time
- 4,500 pounds of beef per meal when served
- 3,000 pounds of potatoes per day
- 1,000 loaves of bread a day
- 500 pies when served
- 198 pounds of dry laundry for each of 6 washing machines
- 1,725 the maximum rpm of the washing machines
- 350 degrees: maximum temperature of the washing machines
- 4,752 pounds of laundry could be washed every 12 hours
- Food storage
  - 1 butcher shop
  - 2 bakeries
  - 1 vegetable prep room
  - 15 storerooms
  - 5 freezers
  - 4 chill boxes
  - Capacity
    - 70 tons of food
    - 10-11 tons consumed daily
    - 14,000 pounds of chicken
    - 14,400 pounds of grill steaks
    - 16,000 pounds of coffee
    - Daily cost of feeding crew in 1976: \$10,000

#### Other

- \$85.6 million original cost
- 90 tons of blueprints to build in 1945. That equals the weight of about 35,500 reams of paper
- \$100 million in spare parts inventory
- \$42 million monthly payroll
- 80,000 haircuts annually
- 1,075 40-pound laundry bags weekly
- 2,000,000 pounds of laundry annually

Note: Given Midway's long service, some statistics varied over the years. This list is a representative overview (with some figures rounded off) of the USS Midway's service life.

Sources: Various USS Midway and U.S. Navy documents



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## Common Questions; Amazing Answers

In what year was the Battle of Midway fought?	1942
In what year was Midway's keel laid?	1943
How many months did it take to build Midway?	17
What was Midway's original length at the water line?	900 feet
What was the Midway's original over-all length?	968 feet
What was Midway's original full-load displacement?	60,100 tons
How many 5-inch 54 caliber mounts were aboard the original Midway?	18
What was Midway's original design aircraft complement?	136
How thick is the steel in the reinforced section flight deck?	3.5 inches
How thick is the steel hangar deck?	2 inches
How thick is the steel third deck?	2 inches
How many boilers did Midway have?	12
What steam pressure was produced by Midway's boilers?	600 psi
What steam temperature was produced by Midway's boilers?	850 degrees
How many horsepower did each engine develop aboard Midway?	53,000
What was Midway's design speed forward (in knots)?	33
What was Midway's design speed in reverse (in knots)?	17.5
How much did it cost to build the USS Midway?	\$85.6 million
In what year was Operation Frostbite conducted?	1946
In what year was Operation Sandy conducted?	1947
In what year did Midway undergo its first overhaul?	1946
In what year did Midway commence its first overseas deployment?	1947
In what year did a Navy blimp land aboard Midway?	1949
In what year did Midway transfer to the Pacific Fleet?	1955
When did Midway visit San Diego for the first time?	1962
In what year did Midway commence its first combat air operations?	1965
How many Midway aircraft were lost during the 1965 cruise?	22
How many missions were flown during Midway's first combat tour?	11,900
How long was the Midway in Hunter's Point for modernization starting in 1966?	4 years
How much weight could Midway's elevators lift?	130,000 lbs.
How many degrees is midway's angled deck offset from the centerline?	13 degrees
How many gallons of JP-5 Aviation fuel did Midway carry?	1.2 million gallons
How many gallons of fresh water could Midway's 4 flash evaporators produce per day?	240,000
How much did it cost to complete Midway's modernization at Hunter's Point?	\$202 million
What year was Operation Frequent Wind conducted?	1975
How many refugees were rescued from Vietnam during Operation Frequent Wind?	3,073
In what year did the Midway experience a collision with the Panamanian motor vessel Cactus?	1980
In what year did two F-14 Tomcats land aboard Midway?	1982
In what year did Midway set the record of 111 continuous days of operations in the Indian Ocean?	1984

By how many feet was Midway's hull widened, on each side, during its hull strengthening in 1986?	10
In what year did the Bob Hope Christmas Special visit the Midway?	1988
In what year did Midway participate in Operation Desert Shield?	1990
How many combat sorties did Midway launch during Operation Desert Storm?	3,339
In what year did Midway participate in Operation Fiery Vigil?	1991
How many evacuees did Midway take aboard during operation Fiery Vigil?	1,823
In what year was Midway decommissioned?	1992
How much did Midway weigh when it was decommissioned?	70,000 tons
How many young men perished while serving aboard Midway?	Approximately 210
In what year was the Midway donated to the San Diego Aircraft Carrier Museum Foundation?	2003

December 2013