



**NORWEGIAN
BREAKAWAY**

Norwegian Cruise Line accepted delivery of its most innovative ship to date, Norwegian Breakaway, from MEYER WERFT, Bremerhaven, Germany on April 25th 2013. Its Maiden voyage was on April 30th 2013 out of Southampton, U.K.

The Norwegian Breakaway was christened by World Famous Rockettes on May 8th.

Here are some fun Breakaway facts:

- Known as New York's ship, Norwegian Breakaway is the largest vessel to homeport year-round in the city
- Our Rock Climbing Wall is 33 feet
- The Freefall Slide is the fastest at sea and is completed in only 6 seconds
- The Plank stretches 8 m / 26 feet and is 49 m / 130 feet above sea level
- There are 16 Passenger elevators & 14 services elevators for Crew
- Approximately 1650+ Crew representing over 70 Nationalities work on board
- Ship's Registry: Nassau, Bahamas
- Ship's Call Sign: C6ZJ3
- Gross Tonnage: 145,655 GRT
- Auxiliary Power: Diesel Electric
- Guest Decks: 18
- Length: 325.70m / 1,068 ft
- Width (max): 39.70m / 130 ft
- Draft: 8.60m / 28.2 ft
- Maximum Speed: 22.5 knots

1 Nautical Mile = 1.15 statute/land miles = 1852 Meters = 1.852 Km

1 knot = 1 nautical mile/Hour = 1.15 Statute mile/hour = 1.852 Km/Hour

ENGINE ROOM FACTS & FIGURES:

ENGINE AND PROPULSION FACTS:

- o **Main Engines:** MAN 48/60CR, 2x 14400KW and 2x 16800KW total 62400KW/83679hp

PROPULSION POWER

2 x Azipod XO2100, total 35000KW/46935hp

Propellers

Propellers 5.6 m diameter

Stabilizers

Fincantieri SRO 5-215, total area/fin 21.5 m²

BOW THRUSTERS

Brunvoll, 3x 3000kw, total 9000/12060hpKW

FACTS & FIGURES ON THE BRIDGE

NAVIGATIONAL INSTRUMENTS

SAM Electronics Platinum system includes:

- 12 Multi-function Displays with Radar, ECDIS with ENC & ARPA functions integrated with Auto Pilot, Position and speed sensor.
- Navigational Control Console (cockpit NCC)
- Napa Power Speed-Pilot (optimizing speed for less Fuel Consumption)
- Sperry Auto-Pilot
- SAM Electronics Planning Station (Route Planning)
- SAM Electronics VDR (Voyage Data Recorder, Marine Black Box)
- SAM Electronics Dynamic Positioning System (DP)
- 1 Sperry Marine Fiber Optic Gyrocompass, 1 Sperry Marine Gyro Sphere Compass
- 1 Sperry Marine Magnetic Compass
- 12 Sailor VHF (Very High Frequency) radios
- 2 SAAB DGPS (Differential Global Positioning Systems)
- 3 SAM Electronics Speed Logs: 1 Electro Magnetic, 1 Satellite and 1 Doppler log
- 2 SAM Electronics Depth Echo Sounder
- 1 AIS (Automatic Identification System for Ships)
- 1 Weather station Equipped with wind sensor, temperature sensor and humidity

Radar

Stands for **Radio Detection and Ranging**. We have 5 onboard, 3 on the mast, 1 on the bow, 1 on the stern, which give the navigator a picture of the coastline, islands, beacons, other ships, and similar objects on the surface.

DGPS Navigator

- The DGPS (Differential Global Positioning System) consists of twenty-four satellites in orbit around the Earth. By receiving the signal from at least 4 of these satellites we are able to maintain continuous tracking of the ship's position, exact speed, and accurate time.

Gyro Compass

- An electronic instrument that indicates true direction based on true North.

Magnetic Compass

- The direction is determined by Earth's magnetic field (Magnetic North).