



# Beat That Stat!

**The Royal Air Force is the United Kingdom's aerial force. It was formed towards the end of the First World War in 1918.**



It became the largest air force in the world at the time! The RAF works with partners around the world to strengthen national and international security and to protect the interests of the UK and its allies. The RAF identify and manage threats before they happen through intelligence, surveillance and reconnaissance.

# Beat That Stat!

Beat That Stat! is a card game full of facts and figures. Your aim is to try to win the most cards by having the highest value statistics to beat those of your opponents. If your card wins, you get to take their cards from them. As an extra bonus you get to learn lots of really interesting facts about the aircraft of the RAF, past and present.

Perhaps it will inspire you to find out more. You could visit the RAF museum. Have a look on this site: [www.rafmuseum.org.uk](http://www.rafmuseum.org.uk).



## How to Play

1. Shuffle the pack.
2. Deal out the cards face down to each player.
3. Each player looks at the card at the top of their pack.
4. Player to the dealer's left starts, chooses and reads out one category and its stat from their top card.
5. The other players read out the same stat.
6. The highest number wins all the cards from that round and puts them at the bottom of their pack.
7. If two or more cards have the same value the cards from this round are put in the middle of the table. The winner of the next round also wins the cards in the middle.
8. The winner of each round is the next player to choose a stat from their top card.
9. The player with all the cards at the end of the game wins
10. If you want a quicker game, give it a time limit. The winner is the player with the most cards at the end of the game.





## Categories and Ratings (what they mean)

- SPEED KM/HR** - Speed km/hr measures the maximum speed the aircraft can travel in kilometres miles per hour
- SPEED MPH** - Speed mph measures the maximum speed the aircraft can travel in miles per hour
- MACH SPEED** - Mach Speed is the ratio of the speed of an object to the speed of sound. An aircraft moving twice as fast as the speed of sound is said to be traveling at Mach 2
- MAIDEN FLIGHT** - Maiden flight/Year put into service is the term used to describe the aircraft's first flight or the year it was first introduced into the service
- NUMBER PRODUCED** - The number produced is the number given at the time of the information source being published.
- COST** - The cost is the price of a single unit. Due to inflation over many years this price may seem really high for newer aircraft, or really low for older ones. That's inflation! For consistency we have converted all prices to UK Pound sterling currency.
- WINGSPAN** - Wingspan or Rotor Diameter is the maximum extent across the wings of an aircraft measured from tip to tip
- CREW CAPACITY** - This is the typical number of crew that the aircraft can carry
- FLIGHT RANGE** - The Flight Range is the maximum distance an aircraft can fly between take-off and landing, as limited by fuel capacity in powered aircraft.
- BEAT THAT STAT RATING** - The BTS Rating is an overall score for each aircraft, based mainly on Speed and Range with the other categories also taken into account to decide how fantastic we feel each aircraft is. The highest number in each category wins.

### How to work out the rankings:

**Speed km/hr** - Higher number wins

**Speed mph** - Higher number wins

**Mach Speed** - Higher number wins

**Maiden flight** - Later date wins

**Number produced** - Higher number wins

**Cost** - Higher number wins

**Wingspan** - Higher number wins

**Crew Capacity** - Higher number wins

**Flight Range** - Higher number wins



## Definitions

- AERODYNAMIC** - Having a shape which reduces the drag from air moving past.
- AERONAUTICAL** - The science or practice of building or flying aircraft.
- AFTERBURNER NOZZLES** - A device in the tailpipe of a turbojet engine for injecting fuel into the hot exhaust gases and burning it to provide extra thrust.
- AUTONOMOUS FLIGHT** - Ability of operating without direct human control.
- AVIONICS** - Electronic equipment fitted in an aircraft.
- CONFIGURATION** - Arrangement of parts in a particular form.
- CSAT** - Command Support Air Transport.
- DETERRENT** - A thing that discourages someone from doing something.
- ECM** - Electronic Countermeasure Equipment used to trick an enemy's detection systems.
- FENESTRON TAIL** - A protected tail rotor of a helicopter operating like a ducted fan.
- INNOVATION** - New methods, ideas or product.
- INTELLIGENCE** - The collection of information of military value.
- INTERCEPTOR** - A fast aircraft for stopping or repelling enemy aircraft.
- JET PROPULSION** - Forward movement created by the backward ejection of a high-speed jet of gas or liquid.
- JET-POWERED** - Powered by one or more jet engines.
- LOGISTIC** - The organisation of something complicated such as the distribution of supplies.
- MACH SPEED** - The ratio of the speed of an object to the speed of sound. An aircraft moving twice as fast as the speed of sound = 'Mach 2'.
- MAIDEN FLIGHT** - An aircraft's first flight.
- MANOEUVRABILITY** - Ability to be moved easily while in motion.
- MMRT** - Multi Role Tanker Transport.



## Definitions

- MOD** - Ministry of Defence.
- MONOPLANE** - An aircraft with one pair of wings.
- NAVIGATOR** - A person who plans the route of an aircraft.
- PARATROOP** - A group of soldiers trained to jump out of aircraft using a parachute.
- PAYLOAD** - The part of a vehicle's load, such as passengers and cargo, from which income is earned.
- RECONNAISSANCE** - Military observation of a region to locate an enemy or find strategic features.
- RETRACTABLE** - Able to be drawn back in.
- ROTORCRAFT** - Collective name for helicopters.
- SHIPPING BLOCKADE** - Sealing off a place to prevent goods or people from entering or leaving.
- SPAN-LOADING** - The ratio of the weight of an airplane to its wingspan loading.
- STRATEGIC** - The gaining of overall or long-term military advantage.
- SUBSONIC** - Flying at a speed less than the speed of sound.
- SUPERSONIC** - Flying at a speed greater than that of the speed of sound.
- SURVEILLANCE** - Close observation.
- SWEPT WING** - The shape of a wing for high subsonic and supersonic speeds.
- TACTICAL USE** - In immediate support of military operations.
- TANDEM ROTOR** - Two large horizontal rotor assemblies mounted one in front of the other.
- TURBOPROP** - A turboprop engine is a turbine engine that drives an aircraft propeller.
- TWIN-BOOM** - The rear airframe consists of two separate fuselages connected by a single horizontal stabilizer.
- UTILITY AIRCRAFT** - A light aircraft usually used for transporting people, freight or other supplies.

# Eurofighter Typhoon FGR4



<b>SPEED</b>	<b>1,550 mph (2,495 km/hr)</b>
<b>MACH SPEED</b>	<b>2.02</b>
<b>MAIDEN FLIGHT</b>	<b>1994</b>
<b>NUMBER PRODUCED</b>	<b>570</b>
<b>COST</b>	<b>£125 million</b>
<b>WINGSPAN</b>	<b>36 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>2,355 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>9</b>

## Did you know?



The Typhoon can reach speeds of up to twice the speed of sound and can reach 1,100 mph in just over two minutes from take-off. The aircraft's name, Typhoon, was adopted in September 1998. It is in service with several airforces, including the RAF.

# F-35B Lightning



<b>SPEED</b>	<b>1,199 mph (1,929 km/hr)</b>
<b>MACH SPEED</b>	<b>1.56</b>
<b>MAIDEN FLIGHT</b>	<b>2006</b>
<b>NUMBER PRODUCED</b>	<b>530</b>
<b>COST</b>	<b>£91 million</b>
<b>WINGSPAN</b>	<b>35 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,700 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>7</b>

## Did you know?



The F-35B Lightning has more than 40,000 pounds of thrust that can propel it to speeds of about Mach 1.6 (1,200 mph). It is a single-seat, single-engine, all-weather aircraft. This aircraft is expected to operate until 2070.

# English Electric Lightning



<b>SPEED</b>	<b>1,128 mph (1,815 km/hr)</b>
<b>MACH SPEED</b>	<b>1.47</b>
<b>MAIDEN FLIGHT</b>	<b>1954</b>
<b>NUMBER PRODUCED</b>	<b>337</b>
<b>COST</b>	<b>£199,000</b>
<b>WINGSPAN</b>	<b>35 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>849 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The English Electric Lightning is a British fighter aircraft that served as an interceptor during the 1960s, the 1970s and 1980s. It is a UK designed-and-built fighter capable of Mach 2.

# Panavia Tornado F3 I



<b>SPEED</b>	<b>1,674 mph (2,694 km/hr)</b>
<b>MACH SPEED</b>	<b>2.18</b>
<b>MAIDEN FLIGHT</b>	<b>1979</b>
<b>NUMBER PRODUCED</b>	<b>218</b>
<b>COST</b>	<b>£14 million</b>
<b>WINGSPAN</b>	<b>46 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,151 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>6</b>

## Did you know?



The Tornado F3's improvements over the earlier model included engines for high-altitude use, longer afterburner nozzles and automatic wing sweep control which greatly enhanced movement.

# Panavia Tornado GR4



<b>SPEED</b>	<b>870 mph (1,400 km/hr)</b>
<b>MACH SPEED</b>	<b>1.13</b>
<b>MAIDEN FLIGHT</b>	<b>1974</b>
<b>NUMBER PRODUCED</b>	<b>992</b>
<b>COST</b>	<b>£14 million</b>
<b>WINGSPAN</b>	<b>47 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>860 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?

**?** Aeronautical designers made the Panavia Tornado with variable-geometry wing designs for the manoeuvrability and efficient cruise of straight wings with the speed of swept wing designs. It was jointly manufactured by Italy, the United Kingdom, and West Germany.



# Boeing E-3D Sentry AEW1



<b>SPEED</b>	<b>530 mph (854 km/hr)</b>
<b>MACH SPEED</b>	<b>0.69</b>
<b>MAIDEN FLIGHT</b>	<b>1976</b>
<b>NUMBER PRODUCED</b>	<b>68</b>
<b>COST</b>	<b>£243 million</b>
<b>WINGSPAN</b>	<b>146 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>4,600 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>7</b>

## Did you know?



The Boeing Sentry is an American airborne early warning and control aircraft. It provides all-weather surveillance, command, control, and communications, and is used by several airforces including the Royal Air Force.

# Boeing E-7 Wedgetail



<b>SPEED</b>	<b>530 mph (854 km/hr)</b>
<b>MACH SPEED</b>	<b>0.69</b>
<b>MAIDEN FLIGHT</b>	<b>2004</b>
<b>NUMBER PRODUCED</b>	<b>14</b>
<b>COST</b>	<b>£300 million</b>
<b>WINGSPAN</b>	<b>117 ft</b>
<b>CREW CAPACITY</b>	<b>10</b>
<b>FLIGHT RANGE</b>	<b>4,000 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>7</b>

## Did you know?



The Boeing E-7 Wedgetail is a twin-engine airborne early warning and control aircraft. It has a fixed, active electronically scanned array radar antenna. It is believed to be named after the wedge-tailed eagle.

# Raytheon Sentinel R1



<b>SPEED</b>	<b>667 mph (1,073 km/hr)</b>
<b>MACH SPEED</b>	<b>0.86</b>
<b>MAIDEN FLIGHT</b>	<b>2004</b>
<b>NUMBER PRODUCED</b>	<b>5</b>
<b>COST</b>	<b>£190 million</b>
<b>WINGSPAN</b>	<b>93 ft</b>
<b>CREW CAPACITY</b>	<b>5</b>
<b>FLIGHT RANGE</b>	<b>5,747 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>10</b>

## Did you know?



The Raytheon Sentinel is an airborne battlefield and ground surveillance aircraft. The cockpit has a centrally housed, pull-down screen capable of displaying a moving map.

# Hawker Beechcraft Shadow R1



<b>SPEED</b>	<b>356 mph (573 km/hr)</b>
<b>MACH SPEED</b>	<b>0.46</b>
<b>MAIDEN FLIGHT</b>	<b>1972</b>
<b>NUMBER PRODUCED</b>	<b>3,781</b>
<b>COST</b>	<b>£6 million</b>
<b>WINGSPAN</b>	<b>57 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>3,185 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The Beechcraft Super King Air family is part of a line of twin-turboprop aircraft. It has been in continuous production since 1974, the longest production run of any civilian turboprop aircraft in its class.

# General Atomics MQ-9A Reaper



<b>SPEED</b>	<b>300 mph (482 km/hr)</b>
<b>MACH SPEED</b>	<b>0.39</b>
<b>MAIDEN FLIGHT</b>	<b>2001</b>
<b>NUMBER PRODUCED</b>	<b>195</b>
<b>COST</b>	<b>£12 million</b>
<b>WINGSPAN</b>	<b>65 ft</b>
<b>CREW CAPACITY</b>	<b>0 (Unmanned)</b>
<b>FLIGHT RANGE</b>	<b>1,200 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>2</b>

## Did you know?

**?**

The General Atomics Reaper is an unmanned aerial vehicle which is remotely controlled by RAF personnel based on the ground. It is also known as Predator B. It is often used for surveillance.

# Boeing RC-135W Rivet Joint



<b>SPEED</b>	<b>580 mph (933 km/hr)</b>
<b>MACH SPEED</b>	<b>0.75</b>
<b>MAIDEN FLIGHT</b>	<b>1961</b>
<b>NUMBER PRODUCED</b>	<b>32</b>
<b>COST</b>	<b>£246 million</b>
<b>WINGSPAN</b>	<b>130 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>3,450 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>7</b>

## Did you know?



The Boeing RC-135 is a family of large reconnaissance aircraft used by the Royal Air Force to provide real-time, on-scene information collection and analysis. Many variants have been modified numerous times, resulting in a large variety of designs and program names.

# Boeing Poseidon MRA1



<b>SPEED</b>	<b>564 mph (907 km/hr)</b>
<b>MACH SPEED</b>	<b>0.73</b>
<b>MAIDEN FLIGHT</b>	<b>2009</b>
<b>NUMBER PRODUCED</b>	<b>122</b>
<b>COST</b>	<b>£231 million</b>
<b>WINGSPAN</b>	<b>123 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,381 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The Boeing Poseidon was developed for the United States Navy and also operated by the RAF. It is used for anti-submarine and anti-surface operations and for shipping blockade roles.

# Nimrod MRA4



<b>SPEED</b>	<b>571 mph (918 km/hr)</b>
<b>MACH SPEED</b>	<b>0.74</b>
<b>MAIDEN FLIGHT</b>	<b>2004</b>
<b>NUMBER PRODUCED</b>	<b>5</b>
<b>COST</b>	<b>£100 million</b>
<b>WINGSPAN</b>	<b>127 ft</b>
<b>CREW CAPACITY</b>	<b>10</b>
<b>FLIGHT RANGE</b>	<b>6,910 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>10</b>

## Did you know?

**?** The Nimrod MRA4 was intended to replace the Nimrod MR2 to increase the Nimrod fleet with improvements that included a digital glass cockpit, new detection systems and more efficient jet engines. However due to delays the project was cancelled.



# Boeing C-17 Globemaster III



<b>SPEED</b>	<b>670 mph (1,078 km/hr)</b>
<b>MACH SPEED</b>	<b>0.87</b>
<b>MAIDEN FLIGHT</b>	<b>1991</b>
<b>NUMBER PRODUCED</b>	<b>279</b>
<b>COST</b>	<b>£173 million</b>
<b>WINGSPAN</b>	<b>169 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>2,780 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>8</b>

## Did you know?

**?** The C-17 Globemaster performs tactical and strategic airlift missions, transporting troops and cargo throughout the world. Additional roles include medical evacuation and airdrop duties.

# Airbus A330 MRTT Voyager



<b>SPEED</b>	<b>547 mph (880 km/hr)</b>
<b>MACH SPEED</b>	<b>0.71</b>
<b>MAIDEN FLIGHT</b>	<b>2007</b>
<b>NUMBER PRODUCED</b>	<b>42</b>
<b>COST</b>	<b>£150 million</b>
<b>WINGSPAN</b>	<b>198 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>1,150 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>3</b>

## Did you know?



The Airbus Voyager is an aerial refuelling tanker aircraft. MMRT stands for Multi Role Tanker Transport. It is an air-to-air refuelling and transport aircraft that can refuel other aircraft whilst in flight.

# Lockheed Martin C-130J Hercules C4



<b>SPEED</b>	<b>417 mph (671 km/hr)</b>
<b>MACH SPEED</b>	<b>0.54</b>
<b>MAIDEN FLIGHT</b>	<b>1996</b>
<b>NUMBER PRODUCED</b>	<b>400</b>
<b>COST</b>	<b>£111 million</b>
<b>WINGSPAN</b>	<b>132 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>2,100 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The Hercules is the RAF's primary tactical transport aircraft. It has been the backbone of UK operational tactical mobility tasks since it was brought into service in 1999.

# Airbus A400M Atlas



<b>SPEED</b>	<b>485 mph (781 km/hr)</b>
<b>MACH SPEED</b>	<b>0.63</b>
<b>MAIDEN FLIGHT</b>	<b>2009</b>
<b>NUMBER PRODUCED</b>	<b>88</b>
<b>COST</b>	<b>£136 million</b>
<b>WINGSPAN</b>	<b>139 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>2,100 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>5</b>

## Did you know?



Airbus A400M Atlas is a European four-engine turboprop military transport aircraft. It can perform aerial refuelling and medical evacuation when fitted with appropriate equipment.

# BAe 146 CC2 RJ70



<b>SPEED</b>	<b>490 mph (789 km/hr)</b>
<b>MACH SPEED</b>	<b>0.63</b>
<b>MAIDEN FLIGHT</b>	<b>1981</b>
<b>NUMBER PRODUCED</b>	<b>387</b>
<b>COST</b>	<b>£350 million</b>
<b>WINGSPAN</b>	<b>86 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>2,404 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>5</b>

## Did you know?

**?** The BAe 146 is primarily tasked in the Command Support Air Transport (CSAT) role. Two 146 variants can be rapidly converted between passenger and cargo configurations. The CC2's primary role is the transport of senior government ministers and Ministry of Defence (MOD) personnel, and senior members of the Royal family.

# Avro Vulcan B.2 XL426



<b>SPEED</b>	<b>646 mph (1,039 km/hr)</b>
<b>MACH SPEED</b>	<b>0.84</b>
<b>MAIDEN FLIGHT</b>	<b>1952</b>
<b>NUMBER PRODUCED</b>	<b>136</b>
<b>COST</b>	<b>£750,000</b>
<b>WINGSPAN</b>	<b>99 ft</b>
<b>CREW CAPACITY</b>	<b>5</b>
<b>FLIGHT RANGE</b>	<b>2,607 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>9</b>

## Did you know?



The Avro Vulcan XL426 is one of three remaining taxable Avro Vulcans. It has been owned and maintained by the registered charity the Vulcan Restoration Trust since 1993. It served with the Royal Air Force from 1962 to 1986.

# Handley Page Victor



<b>SPEED</b>	<b>627 mph (1,009 km/hr)</b>
<b>MACH SPEED</b>	<b>0.81</b>
<b>MAIDEN FLIGHT</b>	<b>1952</b>
<b>NUMBER PRODUCED</b>	<b>86</b>
<b>COST</b>	<b>£350,000</b>
<b>WINGSPAN</b>	<b>110 ft</b>
<b>CREW CAPACITY</b>	<b>5</b>
<b>FLIGHT RANGE</b>	<b>6,004 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>10</b>

## Did you know?

**?**

The Handley Page Victor is a British jet-powered strategic aircraft. It had been developed as part of the United Kingdom's airborne deterrent. A number of Victors were modified for strategic reconnaissance, using a combination of radar, cameras, and other sensors.

# De Havilland DH 112 Venom



<b>SPEED</b>	<b>640 mph (1,030 km/hr)</b>
<b>MACH SPEED</b>	<b>0.83</b>
<b>MAIDEN FLIGHT</b>	<b>1949</b>
<b>NUMBER PRODUCED</b>	<b>1,431</b>
<b>COST</b>	<b>£20,100</b>
<b>WINGSPAN</b>	<b>41 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>1,080 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The De Havilland DH 112 Venom is a British post-war single-engined jet aircraft. It has a distinctive twin-boom tail and composite wood/metal structure. Originally developed as a ground-attack fighter, it served as an interceptor as well.



# Vickers VC10 Tanker



<b>SPEED</b>	<b>580 mph (933 km/hr)</b>
<b>MACH SPEED</b>	<b>0.75</b>
<b>MAIDEN FLIGHT</b>	<b>1962</b>
<b>NUMBER PRODUCED</b>	<b>54</b>
<b>COST</b>	<b>£2 million</b>
<b>WINGSPAN</b>	<b>146 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>5,850 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>9</b>

## Did you know?

**?**

The VC10 achieved the fastest crossing of the Atlantic by a subsonic jet airliner of 5 hours and 1 minute, a record that was held for 41 years. The engines were further from the runway surface than an underwing design, an important factor in operations from rough runways.

# De Havilland Vampire T.11



<b>SPEED</b>	<b>548 mph (882 km/hr)</b>
<b>MACH SPEED</b>	<b>0.71</b>
<b>MAIDEN FLIGHT</b>	<b>1943</b>
<b>NUMBER PRODUCED</b>	<b>3,268</b>
<b>COST</b>	<b>£29,000</b>
<b>WINGSPAN</b>	<b>38 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>1,220 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?

**?** The De Havilland Vampire is a British jet fighter. It was the second jet fighter to be operated by the RAF and the first to be powered by a single jet engine and have groundbreaking innovation of jet propulsion. Despite being originally ordered as an experimental aircraft only, it was decided to mass-produce the aircraft as an interceptor for the Royal Air Force.

# SEPECAT Jaguar



<b>SPEED</b>	<b>840 mph (1,350 km/hr)</b>
<b>MACH SPEED</b>	<b>1.09</b>
<b>MAIDEN FLIGHT</b>	<b>1968</b>
<b>NUMBER PRODUCED</b>	<b>543</b>
<b>COST</b>	<b>£6 million</b>
<b>WINGSPAN</b>	<b>28 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,182 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>6</b>

## Did you know?



Originally designed as a jet trainer, the Jaguar soon changed to include supersonic performance, reconnaissance and tactical roles. It is a single-seat, swept-wing, twin-engine monoplane design, with tall tricycle-type retractable landing gear.

# Hawker Siddeley Harrier



<b>SPEED</b>	<b>731 mph (1,176 km/hr)</b>
<b>MACH SPEED</b>	<b>0.95</b>
<b>MAIDEN FLIGHT</b>	<b>1967</b>
<b>NUMBER PRODUCED</b>	<b>278</b>
<b>COST</b>	<b>£3 million</b>
<b>WINGSPAN</b>	<b>25 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>2,130 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>8</b>

## Did you know?

**?**

The Hawker Siddeley Harrier is a British military aircraft. It was the first Harrier Jump Jet series of aircraft, used as the first operational ground attack and reconnaissance aircraft with vertical/short takeoff and landing.

# British Aerospace 125



<b>SPEED</b>	<b>370 mph (590 km/hr)</b>
<b>MACH SPEED</b>	<b>0.48</b>
<b>MAIDEN FLIGHT</b>	<b>1962</b>
<b>NUMBER PRODUCED</b>	<b>1,720</b>
<b>COST</b>	<b>£150,000</b>
<b>WINGSPAN</b>	<b>47 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,900 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>2</b>

## Did you know?



The British Aerospace 125 has a wide variety of customers, ranging from government and military operators, businesses and several airlines. The Royal Air Force had a number of aircraft for multiple roles. The majority of 125's were operated in an airborne training capacity for air force navigators.

# Armstrong Whitworth Argosy



<b>SPEED</b>	<b>253 mph (407 km/hr)</b>
<b>MACH SPEED</b>	<b>0.33</b>
<b>MAIDEN FLIGHT</b>	<b>1959</b>
<b>NUMBER PRODUCED</b>	<b>74</b>
<b>COST</b>	<b>£725,000</b>
<b>WINGSPAN</b>	<b>115 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>3,450 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>3</b>

## Did you know?



The Armstrong Whitworth Argosy was a British post-war transport/cargo aircraft. It featured an alternative door arrangement, which was largely for paratroop operations. The Argosy was operated by both the Royal Air Force (RAF) and various civil operators across the globe for numerous years.

# Gloster Javelin FAW.1



<b>SPEED</b>	<b>710 mph (1,142 km/hr)</b>
<b>MACH SPEED</b>	<b>0.92</b>
<b>MAIDEN FLIGHT</b>	<b>1951</b>
<b>NUMBER PRODUCED</b>	<b>436</b>
<b>COST</b>	<b>£125,000</b>
<b>WINGSPAN</b>	<b>52 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>954 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>4</b>

## Did you know?



The Gloster Javelin is a subsonic night and all-weather interceptor aircraft. It is a twin-engine jet monoplane. Its aerodynamic delta wing and tailplane provided excellent manoeuvrability at high speed and excellent control at low landing speeds.

# Boeing Chinook HC2 Helicopter



<b>SPEED</b>	<b>183 mph (295 km/hr)</b>
<b>MACH SPEED</b>	<b>0.23</b>
<b>MAIDEN FLIGHT</b>	<b>1980</b>
<b>NUMBER PRODUCED</b>	<b>88</b>
<b>COST</b>	<b>£60 million</b>
<b>WINGSPAN</b>	<b>60 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>400 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Boeing Chinook is a large, tandem rotor helicopter that has seen extensive service. The Chinook is expected to remain in RAF service until the 2040s. They provide routine supply and support missions to the British military.



# Westland Puma HC1 Helicopter



<b>SPEED</b>	<b>169 mph (271 km/hr)</b>
<b>MACH SPEED</b>	<b>0.22</b>
<b>MAIDEN FLIGHT</b>	<b>1965</b>
<b>NUMBER PRODUCED</b>	<b>697</b>
<b>COST</b>	<b>£5 million</b>
<b>WINGSPAN</b>	<b>49 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>360 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Puma is a four-bladed, twin-engined medium transport/utility helicopter. It is used for personnel transport and logistic support duties. The descendants of the Puma remain in production in the 21st century.

# Bell Griffin HAR.2s Helicopter



<b>SPEED</b>	<b>160 mph (257 km/hr)</b>
<b>MACH SPEED</b>	<b>0.21</b>
<b>MAIDEN FLIGHT</b>	<b>1979</b>
<b>NUMBER PRODUCED</b>	<b>869</b>
<b>COST</b>	<b>£8 million</b>
<b>WINGSPAN</b>	<b>46 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>609 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Bell Griffin is a multi-role utility helicopter used in a wide variety of roles including search and rescue missions, force protection and providing military aid to civilian authorities. It also has underslung Bambi Buckets for fire fighting. It can carry eight fully-equipped troops.

# AgustaWestland AW101 Merlin Helicopter



<b>SPEED</b>	<b>192 mph (308 km/hr)</b>
<b>MACH SPEED</b>	<b>0.25</b>
<b>MAIDEN FLIGHT</b>	<b>1987</b>
<b>NUMBER PRODUCED</b>	<b>180</b>
<b>COST</b>	<b>£22 million</b>
<b>WINGSPAN</b>	<b>61 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>510 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The AgustaWestland AW101 is a medium-lift helicopter. Dual flight controls are provided, though it can be flown by a single person. The instruments include six full-colour high-definition screens, an optional mission display and a digital map.

# Westland WS-61 Sea King Helicopter



<b>SPEED</b>	<b>129 mph (207 km/hr)</b>
<b>MACH SPEED</b>	<b>0.16</b>
<b>MAIDEN FLIGHT</b>	<b>1969</b>
<b>NUMBER PRODUCED</b>	<b>344</b>
<b>COST</b>	<b>£5 million</b>
<b>WINGSPAN</b>	<b>62 ft</b>
<b>CREW CAPACITY</b>	<b>4</b>
<b>FLIGHT RANGE</b>	<b>764 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



As well as wartime roles, the Sea King is most well known for search and rescue. The Sea King was also adapted to meet the Royal Navy's requirement for a ship-based airborne early warning platform.

# Eurocopter AS350 Squirrel



<b>SPEED</b>	<b>178 mph (286 km/hr)</b>
<b>MACH SPEED</b>	<b>0.23</b>
<b>MAIDEN FLIGHT</b>	<b>1974</b>
<b>NUMBER PRODUCED</b>	<b>3,590</b>
<b>COST</b>	<b>£2 million</b>
<b>WINGSPAN</b>	<b>35 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>411 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Eurocopter Squirrel is a single-engine light utility helicopter. It is known for its high-altitude performance. Both the main and tail rotors make use of composite material and are designed to minimize corrosion.

# Airbus H145 Jupiter (EC145) Helicopter



<b>SPEED</b>	<b>167 mph (268 km/hr)</b>
<b>MACH SPEED</b>	<b>0.21</b>
<b>MAIDEN FLIGHT</b>	<b>1999</b>
<b>NUMBER PRODUCED</b>	<b>1,500</b>
<b>COST</b>	<b>£8 million</b>
<b>WINGSPAN</b>	<b>36 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>420 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Airbus H145 Jupiter provides advanced rotary wing flying training. The cockpit includes the very latest in avionics. It is a twin-engine aircraft and can carry up to nine passengers along with two crew. It has been used for training, logistics, medical evacuation, reconnaissance, and troop-transport operations.

## Airbus H135 Juno (EC135) Helicopter



<b>SPEED</b>	<b>178 mph (286 km/hr)</b>
<b>MACH SPEED</b>	<b>0.23</b>
<b>MAIDEN FLIGHT</b>	<b>1994</b>
<b>NUMBER PRODUCED</b>	<b>1,300</b>
<b>COST</b>	<b>£5 million</b>
<b>WINGSPAN</b>	<b>33 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>395 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

### Did you know?



The Airbus H135 is a twin-engine civil light utility helicopter. It is capable of flight under instrument flight rules and is outfitted with a digital automatic flight control system. It is mainly used for emergency medical services, law enforcement and military flight training.

# English Electric Canberra



<b>SPEED</b>	<b>580 mph (933 km/hr)</b>
<b>MACH SPEED</b>	<b>0.75</b>
<b>MAIDEN FLIGHT</b>	<b>1949</b>
<b>NUMBER PRODUCED</b>	<b>1,352</b>
<b>COST</b>	<b>£73,000</b>
<b>WINGSPAN</b>	<b>64 ft</b>
<b>CREW CAPACITY</b>	<b>3</b>
<b>FLIGHT RANGE</b>	<b>810 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>2</b>

## Did you know?



In the 1950s, the Canberra could fly at a higher altitude than any other aircraft in the world. In 1957, a Canberra got a world record for reaching an altitude of 21,430 m. In 1951, another Canberra set another world record when it became the first jet aircraft to make a non-stop transatlantic flight.



# Supermarine Spitfire



<b>SPEED</b>	<b>370 mph (595 km/hr)</b>
<b>MACH SPEED</b>	<b>0.48</b>
<b>MAIDEN FLIGHT</b>	<b>1936</b>
<b>NUMBER PRODUCED</b>	<b>20,341</b>
<b>COST</b>	<b>£13,000</b>
<b>WINGSPAN</b>	<b>36 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>248 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>1</b>

## Did you know?



The Spitfire was designed as a short-range, high-performance interceptor aircraft. It is a British single-seat fighter aircraft used by the Royal Air Force and other Allied countries before, during, and after World War II. Many variants were built and it was produced in greater numbers than any other British aircraft.

# Red Arrows Hawk



<b>SPEED</b>	<b>638 mph (1,026 km/hr)</b>
<b>MACH SPEED</b>	<b>0.83</b>
<b>MAIDEN FLIGHT</b>	<b>1974</b>
<b>NUMBER PRODUCED</b>	<b>1,000</b>
<b>COST</b>	<b>£18 million</b>
<b>WINGSPAN</b>	<b>32 ft</b>
<b>CREW CAPACITY</b>	<b>2</b>
<b>FLIGHT RANGE</b>	<b>1,565 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>5</b>

## Did you know?



The Hawk is a British single-engine, jet-powered advanced trainer aircraft. It is used by the RAF's Red Arrows aerobatics display team. The Red Arrows team was formed in late 1964 and continue to perform spectacular feats of flying at many events.

# Harrier GR5



<b>SPEED</b>	<b>662 mph (1,065 km/hr)</b>
<b>MACH SPEED</b>	<b>0.86</b>
<b>MAIDEN FLIGHT</b>	<b>1985</b>
<b>NUMBER PRODUCED</b>	<b>143</b>
<b>COST</b>	<b>£13 million</b>
<b>WINGSPAN</b>	<b>30 ft</b>
<b>CREW CAPACITY</b>	<b>1</b>
<b>FLIGHT RANGE</b>	<b>350 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>2</b>

## Did you know?



The Harrier GR5 is a vertical/short takeoff and landing aircraft, part of the jump jet family. Modifications included replacing the aluminium fuselage with resin/composite materials to reduce weight and increase range. Its functions are air interdiction, close air support missions and reconnaissance duties.

# Avro Lancaster



<b>SPEED</b>	<b>282 mph (454 km/hr)</b>
<b>MACH SPEED</b>	<b>0.36</b>
<b>MAIDEN FLIGHT</b>	<b>1941</b>
<b>NUMBER PRODUCED</b>	<b>7,377</b>
<b>COST</b>	<b>£50,000</b>
<b>WINGSPAN</b>	<b>102 ft</b>
<b>CREW CAPACITY</b>	<b>7</b>
<b>FLIGHT RANGE</b>	<b>2,530 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>2</b>

## Did you know?

**?** The Lancaster was the main aircraft for the night-time aerial campaigns of World War II. Other roles included long range anti-submarine patrol, air-sea rescue, photo-reconnaissance and aerial mapping. It was also used as a flying tanker for aerial refuelling, a transatlantic passenger aircraft, and even as a postal delivery airliner.

# Blackburn Buccaneer



<b>SPEED</b>	<b>670 mph (1,078 km/hr)</b>
<b>MACH SPEED</b>	<b>0.87</b>
<b>MAIDEN FLIGHT</b>	<b>1958</b>
<b>NUMBER PRODUCED</b>	<b>211</b>
<b>COST</b>	<b>£2 million</b>
<b>WINGSPAN</b>	<b>44 ft</b>
<b>CREW CAPACITY</b>	<b>7</b>
<b>FLIGHT RANGE</b>	<b>2,300 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>7</b>

## Did you know?



The Blackburn Buccaneer is a British carrier-capable aircraft originally designed in the 1950s for the Royal Navy. It could approach enemy ships at low altitudes below the ship's radar horizon. The RAF adopted the Buccaneer in 1969 with new-builds having RAF-type communications and avionics equipment.

# Vickers Valiant



<b>SPEED</b>	<b>567 mph (912 km/hr)</b>
<b>MACH SPEED</b>	<b>0.73</b>
<b>MAIDEN FLIGHT</b>	<b>1951</b>
<b>NUMBER PRODUCED</b>	<b>107</b>
<b>COST</b>	<b>£400,000</b>
<b>WINGSPAN</b>	<b>114 ft</b>
<b>CREW CAPACITY</b>	<b>5</b>
<b>FLIGHT RANGE</b>	<b>4,500 miles</b>
<b>BEAT THAT STAT RATING</b>	<b>8</b>

## Did you know?



The Vickers Valiant was developed in the 1950's as a British high-altitude jet and later switched roles to undertake low-level flight. Some were converted to perform support roles such as aerial refuelling tankers and aerial reconnaissance. It was retired in 1965.