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Avro Vulcan vs Boeing B-52 Stratofortress

Aviation | Utilities | Side-by-Side Comparison

- HOME AIRCRAFT / AVIATION MODERN AIR FORCES COUNTRIES MANUFACTURERS COMPARE BY CONFLICT
- BY TYPE BY DECADE

Direct side-by-side comparison of two aircraft.

Your selected aircraft are compared in side-by-side arrangement below. You can always go back and [Compare any two aircraft in our database](#). Some entries contain '0', 'not available', or an 'NA' value. This is more common with conceptual, experimental, and x-plane designs. Rotary-wing system (i.e. helicopters) values include main rotor diameter as part of width/wingspan measurement. UAV entries may display crew values as '0', not taking into account ground-based controllers.

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SUBJECTS




Avro Vulcan B.Mk 2

High-Altitude Long-Range Heavy Bomber



Boeing B-52H Stratofortress

High-Altitude, Long-Range Strategic Heavy Bomber



BASICS

<div>ORIGIN</div> <div>United Kingdom</div>	<div>ORIGIN</div> <div>United States</div>
<div>YEAR</div> <div>1956 [Diff.+1 yrs]</div>	<div>YEAR</div> <div>1955 [Diff.-1 yrs]</div>
<div>CREW</div> <div>5</div>	<div>CREW</div> <div>5</div>
<div>PRODUCTION</div> <div>136 units [Diff.-608]</div>	<div>PRODUCTION</div> <div>744 units [Diff.+608]</div>



DIMENSIONS

<div>LENGTH</div> <div>99.9 ft (30.5 m) [Diff.-61.0 ft]</div>	<div>LENGTH</div> <div>160.9 ft (49.0 m) [Diff.+61.0 ft]</div>
<div>WIDTH/SPAN</div> <div>111.0 ft (33.8 m) [Diff.-74.1 ft]</div>	<div>WIDTH/SPAN</div> <div>185.1 ft (56.4 m) [Diff.+74.1 ft]</div>
<div>HEIGHT</div> <div>27.2 ft (8.3 m) [Diff.-13.5 ft]</div>	<div>HEIGHT</div> <div>40.7 ft (12.4 m) [Diff.+13.5 ft]</div>

RELATIVE SIZE COMPARISON

NOTES: Shapes below depict aircraft from wingtip-to-wingtip / nose-to-tail assuming aircraft are being viewed from overhead perspective (the nose pointing towards the top of the screen). Helicopter widths include main rotor diameter. If any dimensional values are "NA" in the database then the presented shapes may appear skewed.

Avro Vulcan B.Mk 2

Boeing B-52H Stratofortress

WEIGHTS

<div>EMPTY WT.</div> <div>106,000 lb (48,081 kg) [Diff.-66,743 lb]</div>	<div>EMPTY WT.</div> <div>172,743 lb (78,355 kg) [Diff.+66,743 lb]</div>
<div>M.T.O.W.</div> <div>249,122 lb (113,000 kg) [Diff.-238,871 lb]</div>	<div>M.T.O.W.</div> <div>487,993 lb (221,350 kg) [Diff.+238,871 lb]</div>

INSTALLED POWER

<div>4 x Bristol Siddeley Olympus 301 turbojet engines developing 20,000 lb of thrust each.</div>	<div>8 x Pratt & Whitney TF33-P-3 turbofan engines developing 17,000 lb of standard thrust each.</div>
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PERFORMANCE

SPEED	SPEED
646 mph (1,040 kph) [Diff.+51 mph]	595 mph (958 kph) [Diff.-51 mph]



RANGE	RANGE
4,598 miles (7,400 km) [Diff.-5,490 miles]	10,088 miles (16,235 km) [Diff.+5,490 miles]



CEILING	CEILING
55,003 ft (16,765 m) [Diff.+49 feet]	54,954 ft (16,750 m) [Diff.-49 feet]



ARMAMENT

<p>21,000 lbs of internally-held ordnance, typically conventional drop bombs or nuclear payload.</p> <p>Also supporting 1 x "Blue Steel" MK.1 stand-off missile; AGM-45 "Shrike" anti-radar, air-to-surface missiles at underwing hardpoints.</p>	<p>Mission-specific armament can include any of the following:</p> <p>20 x AGM-86B ALCM cruise missiles (internal). 20 x AGM-129 cruise missiles (internal). 2 x AGM-86B ALCMs cruise missile (external). 2 x AGM-129 cruise missiles (external). Free-Fall Nuclear Bombs. 12 x AGM-84 Harpoon anti-ship missiles. 12 x AGM-142A air-to-surface missiles. AGM-86C CALCM cruise missiles. "Joint Direct-Attack Munitions" (JDAMs).</p> <p>Up to 51,570lb (340kg) of ordnance carried.</p>
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GOING FURTHER

<p>View Entry (Avro Vulcan)</p>	<p>View Entry (Boeing B-52 Stratofortress)</p>
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