

## **Boeing B-29 Superfortress**

The Boeing B-29 Superfortress is a strategic bomber. It entered service in the USAAF before the end of WWII and saw combat in the Pacific Theaters. It later served with the USAF in the Korean War.

The defensive armament of the B-29 is four remote-control turrets, two dorsal and two ventral, each equipped with two .50 cal M2 machine guns and a tail station with two .50 cal M2 machine guns and one 20 mm M2 cannon. Later models have four .50 cals in the forward dorsal turret. The ballistic characteristics of the 20 mm were not well-matched to the .50 cals, and it was later removed or replaced by a third .50 cal. Each gun has 500 rounds of ammunition.

The RB-29A is a strategic photo-reconnaissance version of the B-29A. It retains full defensive and offensive armament.

The Silverplate and Saddletree versions are adapted for delivery of nuclear bombs. The Silverplate program began during WWII — Silverplate aircraft dropped nuclear bombs on Hiroshima and Nagasaki — but was superseded by the similar Saddletree program in 1947. These aircraft were converted by removing the four turrets and their associated fire-control system and all armor removed and installing equipment for nuclear weapons and additional fuel tanks. The Saddletree aircraft are also equipped for air-to-air refueling.

A typical bomb load for the conventional variant during the Korean War was twenty 500 lb M64 or 1,000 lb M65 bombs. Occasionally, 2,000 lb M66 and 4,000 lb M56 bombs were used.

The Silverplate and Saddletree variants could carry a single Mark 3, 4, or 6 nuclear bomb.

ADCs are provided for:

- B-29A
- RB-29A
- B-29A (Silverplate)
- B-29A (Saddletree)

### **See Also**

- Tupolev Tu-4
- Boeing B-50 Superfortress

<b>B-29A Superfortress</b>					Crew: Pilot, Co-pilot, Bombardier, Flight Engineer, Navigator, Radio Operator, Radar Observer, Right Gunner, Left Gunner, Fire Control Officer, and Tail Gunner											
					<b>Maneuver HFPs/DPs:</b>											
<b>Power APs/DPs/FPs:</b> ○○○○					LR/DR — —											
CL 1/2 DT Fuel					VR —											
FT	0.5	0.5	0.5	2.0												
HT	0.2	0.2	0.2	1.0												
N	0.0	0.0	0.0	0.4												
I	0.5	0.5	0.5	0.0												
SPBR	—	—	—	—												
If speed ≥ 3.0, reduce power by 0.2.																
Cruise Speed: 2.0 Restr. Arcs: —																
Climb Speed: 2.0 Blind Arcs: —																
Visibility: 10 Internal Fuel: 2900																
Size: -2 AtA Refuel: No																
Vulnerability: +2 Ejection Seat: None					No rolling maneuvers allowed.											
<b>Speeds and Ceilings</b>																
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band							
EH+	46+	—	—	—	—	— —	— —	— —	EH+							
VH	36–45	1.5 – 3.5	1.5 – 3.5	—	4.5	— 0.25	— 0.10	— —	VH							
HI	26–35	1.0 – 4.0	1.5 – 4.0	1.5 – 3.5	4.5	— 0.50	— 0.25	— 0.10	HI							
MH	17–25	1.0 – 3.5	1.0 – 3.5	1.0 – 3.5	4.5	— 0.50	— 0.25	— 0.25	MH							
ML	8–16	1.0 – 3.5	1.0 – 3.5	1.0 – 3.0	4.0	— 0.50	— 0.25	— 0.25	ML							
LO	0–7	1.0 – 3.0	1.0 – 3.0	1.0 – 3.0	3.5	— 0.50	— 0.25	— 0.25	LO							
<b>Radar:</b> APQ-13			<b>ECM:</b>	IFF	<b>Weapon Stations Diagram:</b>											
ECCM:	0		RWR:	A												
Arcs:	0+		DDS:	—												
Search:	Gr. Nav. (120)		DJM:	—												
Track:	Gr. Attack (60)		AJM:	—												
Lock-On:	6		BJM:	A2												
<b>Guns:</b> Thirteen .50 cal M2			<b>Technology:</b>		<b>Load Point Limits:</b>											
To Hit:	2/1/1		None		CL : 0–11											
Ammunition:	18.0				1/2: 12–23											
Gunsight:	—				<b>Weight Limit:</b> 20,000											
Ranging:	—				DT : 24+											
AtA/AtG:	2/2**				<b>Station</b> Limit Allowed Loads											
<b>Bomb System:</b>	Manual				1 and 2 10,000 BB FT											
<b>Notes:</b>																
1. The Boeing B-29A is a propeller-driven strategic bomber. The base variant described here is a conventional bomber. 2. Low roll rate (LRR). 3. Flight Restrictions. VD, VC, and unloading are forbidden. 4. Articulated Guns. The guns can fire in any direction. They may return fire twice per game turn in response to gun attacks or conduct one attack. The hit rolls are modified only by the target size and a -1 modifier when firing into the 60° arc.																
<b>Load Notes:</b>																
1. Stations 1 and 2 are the forward and rear internal bomb bays. Each can carry up to (a) two 4,000-lb M56 bombs, (b) four 2,000-lb M66 bombs, (c) six 1,000-lb M65 bombs, (d) twenty 500-lb M64 bombs, or (e) two special 640 gal (2400L) FTs. All bombs must be the same type. 2. As an exception to the normal rules for load points, internal loads contribute 1 load point for each 1,000 of weight and internal fuel contributes 1 load point for each 50 fuel points. A return mission will typically require leaving the target with at least 750 fuel points (15 load points).																
<b>VPs:</b> 24/16/8/4								v1.0000000 0000-00-00T00:00:00								

<b>RB-29A Superfortress</b>								Crew: Pilot, Co-pilot, Bombardier, Flight Engineer, Navigator, Radio Operator, Radar Observer, Right Gunner, Left Gunner, Fire Control Officer, and Tail Gunner			
								<b>Maneuver HFPs/DPs:</b>			
								LR/DR	—	—	
								VR	—	—	
								<b>Turn DPs:</b>			
								CL	1/2	DT	
								TT	1.0	—	—
								HT	—	—	—
								BT	—	—	—
								ET	—	—	—
								No rolling maneuvers allowed.			

<b>B-29A Superfortress (Silverplate)</b>								Crew: Pilot, Copilot, Flight Engineer, Navigator, Bombardier, Weaponer, Radio Operator, Radar Operator, Countermeasures Operator, and Tail Gunner													
<b>Power APs/DPs/FPs:</b> ○○○○								<b>Maneuver HFPs/DPs:</b>													
CL 1/2 DT Fuel								LR/DR — —													
FT 0.5 0.5 0.5 2.0								VR —													
HT 0.2 0.2 0.2 1.0								<b>Turn DPs:</b>													
N 0.0 0.0 0.0 0.4				Cruise Speed: 2.0 Restr. Arcs: —				CL 1/2 DT													
I 0.5 0.5 0.5 0.0				Climb Speed: 2.0 Blind Arcs: —				TT 1.0 — —													
SPBR — — — —				Visibility: 10 Internal Fuel: 2900				HT — — —													
If speed ≥ 3.0, reduce power by 0.2.				Size: -2 AtA Refuel: No				BT — — —													
				Vulnerability: +1 Ejection Seat: None				ET — — —													
				No rolling maneuvers allowed.																	
<b>Speeds and Ceilings</b>																					
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band												
EH+	46+	—	—	—	—	— —	— —	— —	—	—	EH+										
VH	36–45	1.5 – 3.5	1.5 – 3.5	—	4.5	— 0.25	— 0.10	— —	—	—	VH										
HI	26–35	1.0 – 4.0	1.5 – 4.0	1.5 – 3.5	4.5	— 0.50	— 0.25	— 0.10	—	—	HI										
MH	17–25	1.0 – 3.5	1.0 – 3.5	1.0 – 3.5	4.5	— 0.50	— 0.25	— 0.25	—	—	MH										
ML	8–16	1.0 – 3.5	1.0 – 3.5	1.0 – 3.0	4.0	— 0.50	— 0.25	— 0.25	—	—	ML										
LO	0–7	1.0 – 3.0	1.0 – 3.0	1.0 – 3.0	3.5	— 0.50	— 0.25	— 0.25	—	—	LO										
<b>Radar:</b> APQ-13				<b>ECM:</b> IFF				<b>Weapon Stations Diagram:</b>													
ECCM:	0	RWR:	A	DDS:	—																
Arcs:	0+	DJM:	—	AJM:	—																
Search:	Gr. Nav. (120)	BJM:	A2																		
Track:	Gr. Attack (60)																				
Lock-On:	6																				
<b>Guns:</b> Three .50 cal M2				<b>Technology:</b>				<b>Load Point Limits:</b>													
To Hit:	3/2/2	None									CL : 0–17										
Ammunition:	18.0									1/2: 18–29											
Gunsight:	—																				
Ranging:	—																				
AtA/AtG:	2/2**																				
<b>Bomb System:</b> Manual																					
<b>Notes:</b>																					
1. The Boeing B-29A is a propeller-driven strategic nuclear bomber. This variant is a conversion of the conventional base variant under the 1943 to 1947 Silverplate program, with provision for nuclear weapons, all armor and turrets removed, and additional fuel tanks.																					
2. Low roll rate (LRR).																					
3. Flight Restrictions. VD, VC, and unloading are forbidden.																					
4. Articulated Guns. The guns can only fire at targets in the 60° arc. They may return fire twice per game turn in response to gun attacks or conduct one attack. The hit rolls are modified only by the target size.																					
<b>VPs:</b> 24/16/8/4								v1.0000000 0000-00-00T00:00:00													

<b>B-29A Superfortress (Saddletree)</b>					Crew: Pilot, Copilot, Flight Engineer, Navigator, Bombardier, Weaponer, Radio Operator, Radar Operator, Countermeasures Operator, and Tail Gunner								
					<b>Maneuver HFPs/DPs:</b>								
<b>Power APs/DPs/FPs:</b> ○○○○					LR/DR — —								
CL 1/2 DT Fuel					VR —								
FT	0.5	0.5	0.5	2.0	<b>Turn DPs:</b>								
HT	0.2	0.2	0.2	1.0	CL 1/2 DT								
N	0.0	0.0	0.0	0.4	TT	1.0	—	—	—				
I	0.5	0.5	0.5	0.0	HT	—	—	—	—				
SPBR	—	—	—	—	BT	—	—	—	—				
If speed ≥ 3.0, reduce power by 0.2.					ET	—	—	—	—				
Cruise Speed: 2.0 Restr. Arcs: —					No rolling maneuvers allowed.								
Climb Speed: 2.0 Blind Arcs: —													
Visibility: 10 Internal Fuel: 2900													
Size: -2 AtA Refuel: Yes													
Vulnerability: +1 Ejection Seat: None													
<b>Speeds and Ceilings</b>													
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band				
EH+	46+	—	—	—	—	— —	— —	— —	EH+				
VH	36–45	1.5 – 3.5	1.5 – 3.5	—	4.5	— 0.25	— 0.10	— —	VH				
HI	26–35	1.0 – 4.0	1.5 – 4.0	1.5 – 3.5	4.5	— 0.50	— 0.25	— 0.10	HI				
MH	17–25	1.0 – 3.5	1.0 – 3.5	1.0 – 3.5	4.5	— 0.50	— 0.25	— 0.25	MH				
ML	8–16	1.0 – 3.5	1.0 – 3.5	1.0 – 3.0	4.0	— 0.50	— 0.25	— 0.25	ML				
LO	0–7	1.0 – 3.0	1.0 – 3.0	1.0 – 3.0	3.5	— 0.50	— 0.25	— 0.25	LO				
<b>Radar:</b> APQ-13			<b>ECM:</b>	IFF	<b>Weapon Stations Diagram:</b>								
ECCM:	0		RWR:	A									
Arcs:	0+		DDS:	—									
Search:	Gr. Nav. (120)		DJM:	—									
Track:	Gr. Attack (60)		AJM:	—									
Lock-On:	6		BJM:	A2									
<b>Guns:</b> Three .50 cal M2			<b>Technology:</b>		<b>Load Point Limits:</b>								
To Hit:	3/2/2		None		CL : 0–17								
Ammunition:	18.0				1/2: 18–29								
Gunsight:	—				<b>Weight Limit:</b> 20,000								
Ranging:	—				DT : 30+								
AtA/AtG:	2/2**				<b>Station</b> Limit Allowed Loads								
<b>Bomb System:</b>	Manual				1	11,000	BB						
<b>Notes:</b>													
1. The Boeing B-29A is a propeller-driven strategic nuclear bomber. This variant is a conversion of the conventional base variant under the 1947 to 1949 Saddletree program, with provision for nuclear weapons, all armor and turrets removed, air-to-air refueling, additional fuel tanks, and winterized electronics.													
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