

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Silverplate program began during WWII — Silverplate aircraft dropped nuclear bombs on Hiroshima and Nagasaki — but was superseded by the similar Saddletree program in 1947.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-29A Superfortress								Crew: Pilot, Co-pilot, Bombardier, Flight Engineer, Navigator, Radio Operator, Radar Observer, Right Gunner, Left Gunner, Fire Control Officer, and Tail Gunner															
								Maneuver DPs:															
								LR/DR	—														
								VR	—														
								Turn DPs:															
								CL	1/2	DT													
								TT	1.0	—	—												
								HT	—	—	—												
								BT	—	—	—												
								ET	—	—	—												
								No rolling maneuvers allowed.															
Speeds and Ceilings																							
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth															
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												
Radar: APQ-13				ECM:	IFF	Weapon Stations Diagram:																	
ECCM:	0	RWR:	A	DDS:	—																		
Arcts:	0+	DJM:	—	AJM:	—																		
Search:	Gr. Nav. (120)	BJM:	A2																				
Track:	Gr. Attack (60)																						
Lock-On:	6																						
Guns: Thirteen .50 cal M2				Technology:				Load Point Limits:															
To Hit:	2/1/1	None				CL : <12																	
Ammunition:	18.0	1/2: <24																					
Gunsight:	—	Weight Limit: 20,000				DT : ≥24																	
Ranging:	—	Station				Limit		Allowed Loads															
AtA/AtG:	2/2**	1 and 2	10,000		BB FT																		
Bomb System: Manual					Load Notes:																		
Notes:																							
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.																							
VPs: 24/16/8/4										v3 0000000 0000-00-00T00:00:00													

RB-29A Superfortress								Crew:
								Pilot, Co-pilot, Bombardier, Flight Engineer, Navigator, Radio Operator, Radar Observer, Right Gunner, Left Gunner, Fire Control Officer, and Tail Gunner
					Maneuver DPs:			
					LR/DR			—
					VR			—
Power APs/DPs: ○○○○					Turn DPs:			
					CL	1/2	DT	
FT	0.5	0.5	0.5	2.0				
HT	0.2	0.2	0.2	1.0	TT	1.0	—	—
N	0.0	0.0	0.0	0.4	HT	—	—	—
I	1.0	1.0	1.0	0.0	BT	—	—	—
SPBR	—	—	—	—	ET	—	—	—
If speed ≥ 3.0, reduce power by 0.2.					No rolling maneuvers allowed.			
					Cruise Spd.	2.0	Restr. Arcs:	—
					CL:			
					Climb Spd.:	2.0	Blind Arcs:	—
					Visibility:	10	Internal Fuel:	2900
					Size:	-2	AtA Refuel:	No
					Vulnerability:	+2	Ejection Seat:	None

Speeds and Ceilings						Climb Capabilities					
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB	Oth	1/2 AB	Oth	DT AB	Oth
EH+	46+	—	—	—	—	—	—	—	—	—	—
VH	36–45	1.5 – 3.5	1.5 – 3.5	—	4.5	—	0.25	—	0.10	—	—
HI	26–35	1.0 – 4.0	1.5 – 4.0	1.5 – 3.5	4.5	—	0.50	—	0.25	—	0.10
MH	17–25	1.0 – 3.5	1.0 – 3.5	1.0 – 3.5	4.5	—	0.50	—	0.25	—	0.25
ML	8–16	1.0 – 3.5	1.0 – 3.5	1.0 – 3.0	4.0	—	0.50	—	0.25	—	0.25
LO	0–7	1.0 – 3.0	1.0 – 3.0	1.0 – 3.0	3.5	—	0.50	—	0.25	—	0.25

Radar:	APQ-13	ECM:	IFF	Weapon Stations Diagram:
ECCM:	0	RWR:	A	
Arcs:	0+	DDS:	—	
Search:	Gr. Nav. (120)	DJM:	—	
Track:	Gr. Attack (60)	AJM:	—	
Lock-On:	6	BJM:	A2	
Guns:	Thirteen .50 cal M2	Technology:		Load Point Limits: CL : <12 1/2: <24
To Hit:	2/1/1	None		Weight Limit: 20,000 DT : ≥24
Ammunition:	18.0			
Gunsight:	—			
Ranging:	—			
AtA/AtG:	2/2**			
Bomb System:	Manual			Station Limit Allowed Loads
				1 and 2 10,000 BB FT
Notes:				
<p>1. The RB-29A is a propeller-driven strategic photo-reconnaissance aircraft. It is a development of the B-29A and retains full combat capability. Prior to 1948, it was designated F-13A.</p> <p>2. Low roll rate (LRR).</p> <p>3. Flight Restrictions. VD, VC, and unloading are forbidden.</p> <p>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.</p>				
<p>Load Notes:</p> <p>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.</p> <p>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).</p>				
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B-29A Superfortress (Silverplate)									Crew: Pilot, Copilot, Flight Engineer, Navigator, Bombardier, Weaponner, Radio Operator, Radar Operator, Countermeasures Operator, and Tail Gunner		
									Maneuver DPs:		
									LR/DR	—	—
									VR	—	—
Power APs/DPs: ○○○○									Turn DPs:		
									CL	1/2	DT
FT	0.5	0.5	0.5	2.0					TT	1.0	—
HT	0.2	0.2	0.2	1.0					HT	—	—
N	0.0	0.0	0.0	0.4	Cruise Spd.	2.0	Restr. Arcs:	—	BT	—	—
I	1.0	1.0	1.0	0.0	CL:				ET	—	—
SPBR	—	—	—	—	Climb Spd.:	2.0	Blind Arcs:	—	No rolling maneuvers allowed.		
If speed ≥ 3.0, reduce power by 0.2.					Visibility:	10	Internal Fuel:	2900			
					Size:	-2	AtA Refuel:	No			
					Vulnerability:	+1	Ejection Seat:	None			

Speeds and Ceilings						Climb Capabilities						
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB	1/2 AB	DT AB		CL Oth	1/2 Oth	DT Oth
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

Radar:	APQ-13	ECM:	IFF	Weapon Stations Diagram:
ECCM:	0	RWR:	A	
Arcs:	0+	DDS:	—	
Search:	Gr. Nav. (120)	DJM:	—	
Track:	Gr. Attack (60)	AJM:	—	
Lock-On:	6	BJM:	A2	
Guns:	Three .50 cal M2	Technology:		Load Point Limits: CL : <18 1/2: <30
To Hit:	3/2/2	None		Weight Limit: 20,000 DT : ≥30
Ammunition:	18.0			
Gunsight:	—			
Ranging:	—			
AtA/AtG:	2/2**			
Bomb System:	Manual			Station Limit Allowed Loads
Notes:				1 11,000 BB 2 10,000 FT
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.			Load Notes:
2.	Low roll rate (LRR).			1. Station 1 is the forward internal bomb bay and can carry a Mark 3 (weight 10,000), Mark 4 (weight 11,000) or Mark 6 (weight 8,000) nuclear bomb.
3.	Flight Restrictions. VD, VC, and unloading are forbidden.			2. Station 2 is the rear internal bomb bay and can carry two special 640 gal (2400L) FTs.
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.			3. 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).
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B-29A Superfortress (Saddletree)					Crew: Pilot, Copilot, Flight Engineer, Navigator, Bombardier, Weaponer, Radio Operator, Radar Operator, Countermeasures Operator, and Tail Gunner				
Power APs/DPs: ○○○○					Maneuver DPs:				
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					Turn DPs:				
N 0.0 0.0 0.0 0.4					CL 1/2 DT				
I 1.0 1.0 1.0 0.0					Cruise Spd. 2.0 Restr. Arcs: —				
SPBR — — — —					CL: —				
If speed ≥ 3.0, reduce power by 0.2.					Climb Spd.: 2.0 Blind Arcs: —				
Size: —2 AtA Refuel: Yes					Visibility: 10 Internal Fuel: 2900				
Vulnerability: +1 Ejection Seat: None					No rolling maneuvers allowed.				

Speeds and Ceilings					Climb Capabilities				
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 32	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	
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

Radar: APQ-13	ECM: IFF	Weapon Stations Diagram:															
ECCM: 0	RWR: A																
Arcs: 0+	DDS: —																
Search: Gr. Nav. (120)	DJM: —																
Track: Gr. Attack (60)	AJM: —																
Lock-On: 6	BJM: A2																
Guns: Three .50 cal M2	Technology: None	Load Point Limits: CL : <18 1/2: <30															
To Hit: 3/2/2		Weight Limit: 20,000 DT : ≥30															
Ammunition: 18.0		Station Limit Allowed Loads															
Gunsight: —		1 11,000 BB															
Ranging: —		2 10,000 FT															
AtA/AtG: 2/2**		Load Notes:															
Bomb System: Manual		1. Station 1 is the forward internal bomb bay and can carry a Mark 3 (weight 10,000), Mark 4 (weight 11,000) or Mark 6 (weight 8,000) nuclear bomb. 2. Station 2 is the rear internal bomb bay and can carry two special 640 gal (2400L) FTs. 3. 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).															
Notes:																	
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. 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.																	
VPs: 24/16/8/4								v3 0000000 0000-00-00T00:00:00									