

North American F-86 Sabre

The North American F-86 Sabre is a single-engined, transsonic fighter, interceptor, fighter-bomber, and tactical nuclear bomber. It was the first swept-wing aircraft to enter service in the USAF. There are many versions and variants of the F-86, split first into the fighter F-86A/E/F/H series and the interceptor F-86D/K/L series and then by engine, provision for stores and armament, and wings. Here we discuss first the fighters and then the interceptors.

The F-86A has a swept wing and a swept tail with conventional control surfaces. It is powered by a J47-GE-7 engine with 5340 lb of dry thrust; only the interceptor versions of the F-86 had afterburners. It is armed with six .50 cal M3 machine guns and the view from the cockpit is excellent. Like many of its contemporaries, it suffers from a very short range on internal fuel, and relied on a pair of either 120 gal or 206 gal fuel tanks on under-wing stations to achieve a useful range. However, the 206 gal tank limits maneuvers to 3G and so can only be used for ferry flights. Instead of fuel tanks, it can carry two bombs of up to 1000 lb or sixteen 5-inch HVAR rockets, but has a very restricted combat range while doing so, and therefore served essentially as a day fighter rather than a fighter bomber. It entered service with the USAF in 1949. It was rushed to Korea to counter Soviet MiG-15s, which were outclassing the straight-wing F-80C fighters already in theater, and saw combat starting in December 1950.

The F-86E improves on the F-86A by having a slightly more powerful J47-GE-13 engine with 5450 lb of dry thrust, the A-1CM radar-ranging gunsight, and an all-flying tail. The new tail significantly improves the handling compared to the F-86A at high transonic speeds. It entered service in February 1951 and arrived in Korea in July 1951.

The F-86F series introduces a series of significant improvements over earlier models. All F-86F variants are powered by the J47-GE-27 engine, producing 5970 lb of dry thrust. The initial F-1 block otherwise closely resembles the F-86E. It entered service in April 1952 and arrived in Korea by June 1952. The F-5 block adds the improved A-4 gunsight. The F-10, F-15, and F-20 blocks permit the use of 200 US gal fuel tanks without maneuver restrictions, greatly enhancing operational range for day fighter missions. These blocks entered service starting in June 1952.

The F-25 and F-30 blocks hugely improve the capability of the F-86 as a fighter bomber. They have a second pair of weapon pylons on the inner wing, allowing the aircraft to carry both a pair of bombs or eight HVAR rockets in addition to a pair of fuel tanks. This configuration provides a much improved range when carrying air-to-ground weapons. The F-25 models entered service in Korea in October 1952.

The F-35 block is specialized as a tactical nuclear bomber, with a strengthened left inner pylon to permit carriage of the second-generation Mk 12 nuclear bomb and the LABS (Low Altitude Bombing System) to allow toss bombing. It entered service in January 1954 and was based mainly in Europe.

All the versions mentioned to here are equipped with the basic wing with automatic leading-edge slats that increased lift at low speed. In the summer of 1952, North American developed the “6-3 wing” or the “solid 6-3 wing”, which features a 6-inch extension to the chord at the wing root and a 3-inch extension at the wing tip. The resulting larger area gives much better maneuverability at high altitude. The cost is the loss of the automatic slats, which increases the landing speed and the landing roll, and led to accidents when used by inadequately-trained pilots. Starting in September 1952, field-modification kits were provided to add the 6-3 wing to existing F models and later-production F-25/30/35 had them installed in the factory.

The F-86H further refines the F-86 as a fighter bomber. It has a more powerful, albeit heavier, J73-GE-3 engine producing 8900 lb of dry thrust and giving a much improved rate of climb. The initial H-1 block maintains the armament of six 0.50 cal machine guns, but the later H-5/10 blocks have four 20 mm M39 guns each with 150 rounds, finally giving the Sabre a potent air-to-air armament, albeit in a model not intended as a fighter. It entered service in 1954.

The F-86F-40 then appeared initially as a version to be manufactured for the JASDF by Mitsubishi under license. It is similar to the F-25, but features a new wing with 12-inch span extensions at the wing-tips and once more automatic leading-edge slats. As such, it combined the superior high-altitude maneuverability of the 6-3 wing with the lower landing speeds of the basic wing; it was known as the “extended 6-3 wing” or just the “F-40 wing”. This version was also built for the USAF and supplied to many US allies under the MAP (Military Assistance Program), with deliveries starting in 1955. Many earlier F-series aircraft were upgraded to the F-40 standard and the extended 6-3 wing was also refitted to the F-86H, F-86L, and F-86K versions.

The interceptor F-86D/K/L versions of the F-86 are significantly different to the F-86A/E/F/H versions, sharing wings and tail but little else. Informally, they were known as the “Sabre Dog”.

The F-86D has the J47-GE-17 engine with 5500 lb of dry thrust and an afterburner giving 7650 lb; the afterburner was vital to allow the aircraft to quickly climb to the high altitudes at which it was expected to intercept intruding bombers. The larger fuselage allows more internal fuel,

but despite this the F-86D and subsequent interceptors almost always flew with two 120 gal fuel tanks on wing stations. The F-86D has the basic wing and all-flying tail of the F-86E. Its weapon system consisted of an APG-7 radar, twenty-four 70 mm FFAR rockets in an extending ventral tray, and a Hughes E-4 fire-control system linking the two. The combination permitted collision-course rocket attacks from the beam, but presented a heavy workload for the single pilot. Early variants of the aircraft began to be delivered in March 1951, but versions with the E-4 fire control system were only delivered starting in July 1952.

The F-86K is a simplified interceptor developed from F-86D for export under the Military Assistance Program (MAP). The weapon system was reworked, with four 20 mm M24 guns replacing the FFARs and a Hughes MG-4 fire-control system replacing the more advanced E-4 system. The simpler fire-control system no longer had collision-course attacks was capable of tail-chase attacks. Many F-86Ks for European air forces were assembled by Fiat from kits provided by North American; others were built by North American itself. Some F-86Ks have the extended 6-3 wing of the F-40, either as late-production builds or as upgrades.

The F-86L is a rebuild of the F-86D. It has the extended 6-3 wing and updated electronics, including a data link to allow the intercepts to be directly guided by the computerized SAGE system. It entered service in late 1957.

From 1958 onwards, some F-86D, F-86K, and F-86L aircraft were retrofitted with two missile stations inboard of the fuel tanks for the Sidewinder missile. This upgrade enhanced their air-to-air combat capability, particularly against more maneuverable or heavily armed adversaries.

ADCs are provided for:

- F-86A
- F-86D
- F-86E
- F-86F-1
- F-86F-1 (6-3 Wing)
- F-86F-5
- F-86F-5 (6-3 Wing)
- F-86F-10
- F-86F-10 (6-3 Wing)
- F-86F-25
- F-86F-25 (6-3 Wing)
- F-86F-35
- F-86F-35 (6-3 Wing)
- F-86F-40
- F-86H
- F-86H (Extended 6-3 Wing)
- F-86K
- F-86K (Extended 6-3 Wing)
- F-86L

See Also

- CAC Sabre
- Canadair Sabre

F-86A Sabre									Crew: Pilot		
									Maneuver DPs:		
									LR/DR	1.5	
									VR	0.5	
Power APs/DPs: ○									Turn DPs:		
	CL	1/2	DT	Fuel					CL	1/2	DT
AB	—	—	—	—	TT	0.5/0.5	1.0/1.0	1.0/1.0			
M	1.0	1.0	1.0	1.0	HT	1.0/1.0	1.0/1.0	1.0/1.0			
N	0.0	0.0	0.0	0.5	BT	1.0/1.5	1.5/2.0	1.5/2.0			
I	1.0	1.0	2.0	0.0	ET	—	—	—			
SPBR	1.0	1.0	2.0	—					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.		
					Cruise Spd. CL: 5.0	Restr. Arcs:	—				
					Climb Spd.: 3.5	Blind Arcs:	30–				
					Visibility: 5	Internal Fuel:	145				
					Size: +0	AtA Refuel:	No				
					Vulnerability: +0	Ejection Seat:	Early				

Speeds and Ceilings						Climb Capabilities					
Alt. Band	Conf. Ceil.	CL 46	1/2 43	DT 40	Dive Speed	CL AB	1/2 AB	DT AB			
						Oth	Oth	Oth			
EH+	46+	3.0 – 5.5	—	—	6.5	—	0.5	—	—	—	EH+
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	—	0.5	—	0.5	—	0.5
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	—	1.0	—	0.5	—	0.5
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	1.0	—	0.5
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	1.0	—	1.0	—	1.0
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	—	1.0	—	1.0	—	1.0

F-86D Sabre-Dog										Crew: Pilot								
					Maneuver DPs:					LR/DR 1.5 VR 0.5								
Power APs/DPs: ○					Turn DPs:					CL 1/2 DT TT 1.0/1.0 1.0/1.0 1.0/1.0 HT 1.0/1.0 1.0/1.5 1.0/1.5 BT 1.5/2.0 1.5/2.0 1.5/2.0 ET — — —								
AB 1.5 1.0 1.0 3.0 M 1.0 1.0 1.0 1.0 N 0.0 0.0 0.0 0.5 I 1.0 1.0 2.0 0.0 SPBR 1.0 1.0 2.0 —					Cruise Spd. CL: 5.5 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 205 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.								
Smoker in military power (SMP).																		
Speeds and Ceilings										Climb Capabilities								
Alt. Band	Conf. Ceil.	CL 50	1/2 47	DT 44	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth										
EH+	46+	3.0 – 6.0	3.0 – 5.5	—	6.5	1.0 0.5	1.0 0.5	— —	EH+									
VH	36–45	3.0 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH									
HI	26–35	2.5 – 6.0	2.5 – 6.0	3.0 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI									
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 6.0	7.0	1.5 1.0	1.0 0.5	1.0 0.5	MH									
ML	8–16	1.5 – 6.5	2.0 – 6.5	2.5 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	ML									
LO	0–7	1.5 – 7.0	2.0 – 6.5	2.0 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	LO									
Radar: APG-36		ECM: IFF		Weapon Stations Diagram:														
ECCM:	0	RWR:	—															
Arcs:	180+	DDS:	—															
Search:	70–10	DJM:	—															
Track:	40–8	AJM:	—															
Lock-On:	6	BJM:	—															
Guns: —		Technology: CC Rocket Attack		Load Point Limits: CL : < 3 1/2: < 7														
To Hit:	—			Weight Limit: 2,400 DT : ≥ 7														
Ammunition:	—			Station Limit Allowed Loads														
Gunsight:	TT+0/HT+1/BT+2			1 and 5 1,000 FT														
Ranging:	RE			2 and 4 200 IRM														
AtA/AtG:	—			3 0														
Bomb System: Manual		Load Notes:		1. Stations must be loaded symmetrically. 2. May use 120 gal (450L) FTs. 3. From 1958, may use AIM-9B IRMs. 4. Station 3 is an internal rocket tray with 2 factors of air-to-air rockets.														
Notes:																		
1. The North America F-86D Sabre-Dog is a single-engined, swept-wing all-weather interceptor. The F-86D is a extensively modification of the F-86A. The F-86D has the early slatted wing and an all-flying tail (which appears on all subsequent derived versions). It is armed with 24 FFARs in a ventral tray. The APG-36 radar and Hughes E-4 fire-control system allow collision-course rocket attacks. 2. High transonic drag (HTD).																		
VPs: 11/7/4/2								v3 0000000 0000-00-00T00:00:00										

F-86E Sabre					Crew: Pilot												
					Maneuver DPs:												
					LR/DR	1.5											
					VR	0.5											
					Turn DPs:												
					CL	1/2	DT										
					TT	0.5/0.5	1.0/1.0	1.0/1.0									
					HT	1.0/1.0	1.0/1.0	1.0/1.0									
					BT	1.0/1.5	1.5/2.0	1.5/2.0									
					ET	—	—	—									
					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.												
Speeds and Ceilings																	
Alt. Band	Conf. Ceil.	CL 46	1/2 43	DT 40	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth									
EH+	46+	3.0 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+								
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH								
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI								
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH								
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.0	— 1.0	— 1.0	ML								
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.0	— 1.0	— 1.0	LO								
Radar: APG-30		ECM:		Weapon Stations Diagram:													
ECCM:	—	RWR:	—														
Arcs:	—	DDS:	—														
Search:	—	DJM:	—														
Track:	—	AJM:	—														
Lock-On:	6	BJM:	—														
Guns: Six .50 cal M3		Technology:		Load Point Limits:													
To Hit:	6/3/0	None		CL : < 3													
Ammunition:	7.0			1/2: < 7													
Gunsight:	TT+0/HT+1/BT+2			Weight Limit: 2,800													
Ranging:	RE			DT : ≥ 7													
AtA/AtG:	4/4**			Station													
Bomb System: Manual		Limit		Allowed Loads													
Notes:																	
1. The North American F-86E Sabre is single-engined, swept-wing, fighter. The F-86E is derived from the F-86A and has the early slatted wing, but an all-flying tail and radar ranging (both of which appear on all subsequent derived versions).																	
2. High transonic drag (HTD).																	
VPs: 8/5/3/1								v3 0000000 0000-00-00T00:00:00									

F-86F-1 Sabre					Crew: Pilot												
					Maneuver DPs:												
					LR/DR	1.5											
					VR	0.5											
					Turn DPs:												
					CL	1/2	DT										
					TT	0.5/0.5	1.0/1.0	1.0/1.0									
					HT	1.0/1.0	1.0/1.0	1.0/1.0									
					BT	1.0/1.5	1.5/2.0	1.5/2.0									
					ET	—	—	—									
					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.												
Speeds and Ceilings																	
Alt. Band	Conf. Ceil.	CL 48	1/2 45	DT 42	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth									
EH+	46+	3.0 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+								
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH								
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI								
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH								
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML								
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO								
Radar: APG-30		ECM:	IFF	Weapon Stations Diagram:													
ECCM:	—	RWR:	—														
Arcs:	—	DDS:	—														
Search:	—	DJM:	—														
Track:	—	AJM:	—														
Lock-On:	6	BJM:	—														
Guns: Six .50 cal M3		Technology:		Load Point Limits:													
To Hit:	6/3/0	None		CL : < 3													
Ammunition:	7.0			1/2: < 7													
Gunsight:	TT+0/HT+1/BT+2			Weight Limit: 2,800													
Ranging:	RE			DT : ≥ 7													
AtA/AtG:	4/4**			Station													
Bomb System: Manual				Limit													
Notes:																	
1. The North American F-86F Sabre is a single-engined, swept-wing, day fighter. The F-86F-1 is derived from the F-86E, but gains a more powerful engine. This variant is the original with the early slatted wing. 2. High transonic drag (HTD).																	
VPs: 9/6/3/2						v3 0000000 0000-00-00T00:00:00											

F-86F-1 Sabre (6-3 Wing)						Crew: Pilot
						Maneuver DPs:
Power APs/DPs: ○					LR/DR	1.5
					VR	0.5
					Turn DPs:	
					CL	1/2
AB	—	—	—	—	TT	0.5
M	1.0	1.0	1.0	1.0	HT	1.0
N	0.0	0.0	0.0	0.5	BT	1.5
I	1.0	1.0	2.0	0.0	ET	—
SPBR	1.0	1.0	2.0	—		
Cruise Spd. CL: 5.0 Restr. Arcs: —						
Climb Spd.: 3.5 Blind Arcs: 30–						
Visibility: 5 Internal Fuel: 145						
Size: +0 AtA Refuel: No						
Vulnerability: +0 Ejection Seat: Early						

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT			
Band	Ceil.	48	45	42		AB	AB	AB			
EH+	46+	2.5 – 5.5	—	—	6.5	—	0.5	—	—	—	EH+
VH	36–45	2.5 – 6.0	2.5 – 5.0	3.0 – 5.0	6.5	—	0.5	—	0.5	—	VH
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	0.5	—	HI
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	1.0	—	MH
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	1.5	—	1.0	—	ML
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	—	1.5	—	1.5	—	LO

F-86F-5 Sabre										Crew: Pilot			
										Maneuver DPs:			
Power APs/DPs: ○										LR/DR	1.5		
										VR	0.5		
										Turn DPs:			
										CL	1/2	DT	
										TT	0.5/0.5	1.0/1.0	1.0/1.0
										HT	1.0/1.0	1.0/1.0	1.0/1.0
										BT	1.0/1.5	1.5/2.0	1.5/2.0
										ET	—	—	—
										Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.			
Speeds and Ceilings						Climb Capabilities							
Alt. Band	Conf. Ceil.	CL	1/2	DT	Dive Speed	CL AB	1/2 AB	DT AB					
EH+	46+	3.0 – 5.5	—	—	6.5	—	0.5	—	—	—	EH+		
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	—	0.5	—	0.5	—	VH		
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	—	1.0	—	0.5	—	HI		
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	1.0	—	MH		
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	1.5	—	1.0	—	ML		
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	—	1.5	—	1.5	—	LO		

F-86F-5 Sabre (6-3 Wing)						Crew: Pilot	
						Maneuver DPs:	
					Turn DPs:	LR/DR	1.5
					VR		0.5
Power APs/DPs:					CL	1/2	DT
AB	—	—	—	—	TT	0.5	1.0
M	1.0	1.0	1.0	1.0	HT	1.0	1.0
N	0.0	0.0	0.0	0.5	BT	1.5	2.0
I	1.0	1.0	2.0	0.0	ET	—	—
SPBR	1.0	1.0	2.0	—			
Cruise Spd. CL: 5.0					Restr. Arcs:	—	
Climb Spd.: 3.5					Blind Arcs:	30–	
Visibility: 5					Internal Fuel:	145	
Size: +0					AtA Refuel:	No	
Vulnerability: +0					Ejection Seat:	Early	

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT			
Band	Ceil.	48	45	42		AB	AB	AB			
EH+	46+	2.5 – 5.5	—	—	6.5	—	0.5	—	—	—	EH+
VH	36–45	2.5 – 6.0	2.5 – 5.0	3.0 – 5.0	6.5	—	0.5	—	0.5	—	0.5
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	0.5	—	0.5
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	1.0	—	0.5
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	1.5	—	1.0	—	1.0
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	—	1.5	—	1.5	—	1.0

F-86F-10 Sabre										Crew: Pilot							
					Maneuver DPs:					LR/DR 1.5 VR 0.5							
Power APs/DPs: ○					Turn DPs:					CL 1/2 DT TT 0.5/0.5 1.0/1.0 1.0/1.0 HT 1.0/1.0 1.0/1.0 1.0/1.0 BT 1.0/1.5 1.5/2.0 1.5/2.0 ET — — —							
CL 1/2 DT Fuel					Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 145 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.							
Speeds and Ceilings					Climb Capabilities												
Alt. Band	Conf. Ceil.	CL 48	1/2 45	DT 42	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth									
EH+	46+	3.0 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+								
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH								
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI								
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH								
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML								
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO								
Radar: APG-30		ECM: IFF	Weapon Stations Diagram:														
ECCM:	—	RWR:															
Arcs:	—	DDS:															
Search:	—	DJM:															
Track:	—	AJM:															
Lock-On:	7	BJM:															
Guns: Six .50 cal M3		Technology: None		Load Point Limits:		CL : < 3											
To Hit:	6/3/0					1/2: < 7											
Ammunition:	7.0			Weight Limit: 2,800		DT : ≥ 7											
Gunsight:	TT+0/HT+1/BT+2			Station	Limit	Allowed Loads											
Ranging:	RE			1 and 2	1,400	FT RK BB											
AtA/AtG:	4/4**			Load Notes:													
Bomb System: Manual				1. Stations must be loaded symmetrically. 2. The F-86F-5 may use 120 gal (450L) or 200 gal (760L) FTs. 3. May use eight HVAR Rks on each station.													
Notes:																	
1. The North American F-86F-10 Sabre is a single-engined, swept-wing, fighter-bomber. The F-86F-10 is derived from the F-86F-5, but has the improved A-4 gunsight. The F-86F-15/20 are similar. This variant is the original, with the early slatted wing. 2. High transonic drag (HTD).																	
					VPs: 9/6/3/2					v3 0000000 0000-00-00T00:00:00							

F-86F-10 Sabre (6-3 Wing)					Crew: Pilot																												
					Maneuver DPs:																												
Power APs/DPs: ○ <table border="1"> <tr><td>AB</td><td>CL</td><td>1/2</td><td>DT</td><td>Fuel</td></tr> <tr><td>M</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>N</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td></tr> <tr><td>I</td><td>1.0</td><td>1.0</td><td>2.0</td><td>0.0</td></tr> <tr><td>SPBR</td><td>1.0</td><td>1.0</td><td>2.0</td><td>—</td></tr> </table>					AB	CL	1/2	DT	Fuel	M	1.0	1.0	1.0	1.0	N	0.0	0.0	0.0	0.5	I	1.0	1.0	2.0	0.0	SPBR	1.0	1.0	2.0	—	LR/DR	1.5	VR	0.5
AB	CL	1/2	DT	Fuel																													
M	1.0	1.0	1.0	1.0																													
N	0.0	0.0	0.0	0.5																													
I	1.0	1.0	2.0	0.0																													
SPBR	1.0	1.0	2.0	—																													
Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 145 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early					Turn DPs: <table border="1"> <tr><td>TT</td><td>CL</td><td>1/2</td><td>DT</td></tr> <tr><td>HT</td><td>0.5</td><td>1.0</td><td>1.0</td></tr> <tr><td>BT</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>ET</td><td>1.5</td><td>2.0</td><td>2.0</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> </table>					TT	CL	1/2	DT	HT	0.5	1.0	1.0	BT	1.0	1.0	1.0	ET	1.5	2.0	2.0	—	—	—	—				
TT	CL	1/2	DT																														
HT	0.5	1.0	1.0																														
BT	1.0	1.0	1.0																														
ET	1.5	2.0	2.0																														
—	—	—	—																														
Speeds and Ceilings					Climb Capabilities																												
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth																									
Band	Ceil.	48	45	42																													
EH+	46+	2.5 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+																								
VH	36–45	2.5 – 6.0	2.5 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH																								
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI																								
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH																								
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML																								
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO																								
Radar: APG-30		ECM: IFF	Weapon Stations Diagram:																														
ECCM:	—	RWR:																															
Arcs:	—	DDS:																															
Search:	—	DJM:																															
Track:	—	AJM:																															
Lock-On:	7	BJM:																															
Guns: Six .50 cal M3		Technology:		Load Point Limits:		CL : < 3																											
To Hit:	6/3/0	None		1/2: < 7																													
Ammunition:	7.0			Weight Limit: 2,800		DT : ≥ 7																											
Gunsight:	TT+0/HT+1/BT+2			Station	Limit	Allowed Loads																											
Ranging:	RE			1 and 2	1,400	FT RK BB																											
AtA/AtG:	4/4**			Load Notes:																													
Bomb System: Manual				1. Stations must be loaded symmetrically. 2. The F-86F-5 may use 120 gal (450L) or 200 gal (760L) FTs. 3. May use eight HVAR Rks on each station.																													
Notes: 1. The North American F-86F-10 Sabre is a single-engined, swept-wing, fighter-bomber. The F-86F-10 is derived from the F-86F-5, but has the improved A-4 gunsight. The F-86F-15/20 are similar. This variant is modified with the unslatted 6-3 wing, which gives better maneuverability at altitude but raises the landing and stall speed.																																	
VPs: 9/6/3/2							v3 0000000 0000-00-00T00:00:00																										

F-86F-25 Sabre										Crew: Pilot								
					Maneuver DPs:					LR/DR 1.5 VR 0.5								
Power APs/DPs: ○					Turn DPs:					CL 1/2 DT TT 0.5/0.5 1.0/1.0 1.0/1.0 HT 1.0/1.0 1.0/1.0 1.0/1.0 BT 1.0/1.5 1.5/2.0 1.5/2.0 ET — — —								
AB CL 1/2 DT Fuel					Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 145 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.								
Speeds and Ceilings					Climb Capabilities													
Alt. Band	Conf. Ceil.	CL 48	1/2 45	DT 42	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth										
EH+	46+	3.0 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+									
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH									
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI									
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH									
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML									
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO									
Radar: APG-30		ECM: IFF		Weapon Stations Diagram:														
ECCM:	—	RWR:	—															
Arcs:	—	DDS:	—															
Search:	—	DJM:	—															
Track:	—	AJM:	—															
Lock-On:	7	BJM:	—															
Guns: Six .50 cal M3		Technology:		Load Point Limits: CL : < 3 1/2: < 7														
To Hit:	6/3/0	None		Weight Limit: 4,800 DT : ≥ 7														
Ammunition:	7.0			Station Limit Allowed Loads														
Gunsight:	TT+0/HT+1/BT+2			1 and 4 1,400 FT RK														
Ranging:	RE			2 and 3 1,000 FT RK BB IRM														
AtA/AtG:	4/4**			Load Notes:														
Bomb System: Manual				1. Stations must be loaded symmetrically. 2. May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3. 3. May use four HVAR RKs on each station. If RKs are carried on stations 1 and 4, they must also be carried on stations 2 and 3. 4. From 1958, may use AIM-9B IRMs.														
Notes:																		
1. The North American F-86F-25 Sabre is a single-engined, swept-wing, fighter-bomber. The F-86F-25 is derived from the F-86F-15/20, but has a second pair of weapon stations on the inner wing, allowing the aircraft to carry bombs or rockets in addition to a pair of 200 gal fuel tanks and giving it for the first time a useful range when used as a fighter-bomber. The F-86F-30 is similar. This variant is the original, with the early slatted wing. 2. High transonic drag (HTD).																		
VPs: 9/6/3/2								v3 0000000 0000-00-00T00:00:00										

F-86F-25 Sabre (6-3 Wing)					Crew: Pilot																										
					Maneuver DPs:																										
Power APs/DPs: ○ <table border="1"> <tr><td>AB</td><td>CL</td><td>1/2</td><td>DT</td><td>Fuel</td></tr> <tr><td>M</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>N</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td></tr> <tr><td>I</td><td>1.0</td><td>1.0</td><td>2.0</td><td>0.0</td></tr> <tr><td>SPBR</td><td>1.0</td><td>1.0</td><td>2.0</td><td>—</td></tr> </table>					AB	CL	1/2	DT	Fuel	M	1.0	1.0	1.0	1.0	N	0.0	0.0	0.0	0.5	I	1.0	1.0	2.0	0.0	SPBR	1.0	1.0	2.0	—	LR/DR	1.5
AB	CL	1/2	DT	Fuel																											
M	1.0	1.0	1.0	1.0																											
N	0.0	0.0	0.0	0.5																											
I	1.0	1.0	2.0	0.0																											
SPBR	1.0	1.0	2.0	—																											
VR	0.5																														
Turn DPs:																															
CL	1/2	DT																													
TT	0.5	1.0	1.0																												
HT	1.0	1.0	1.0																												
BT	1.5	2.0	2.0																												
ET	—	—	—																												
Cruise Spd. CL: 5.0	Restr. Arcs: —																														
					Climb Spd.: 3.5	Blind Arcs: 30–																									
					Visibility: 5	Internal Fuel: 145																									
					Size: +0	AtA Refuel: No																									
					Vulnerability: +0	Ejection Seat: Early																									
Speeds and Ceilings						Climb Capabilities																									
Alt. Band	Conf. Ceil.	CL 48	1/2 45	DT 42	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth																							
EH+	46+	2.5 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+																						
VH	36–45	2.5 – 6.0	2.5 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH																						
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI																						
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH																						
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML																						
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO																						
Radar: APG-30			ECM:	IFF	Weapon Stations Diagram:																										
ECCM:	—	—	RWR:	—																											
Arcs:	—	—	DDS:	—																											
Search:	—	—	DJM:	—																											
Track:	—	—	AJM:	—																											
Lock-On:	7	—	BJM:	—																											
Guns: Six .50 cal M3			Technology:		Load Point Limits:																										
To Hit:	6/3/0	—	None		CL : < 3																										
Ammunition:	7.0	—			1/2: < 7																										
Gunsight:	TT+0/HT+1/BT+2	—			Weight Limit: 4,800																										
Ranging:	RE	—			DT : ≥ 7																										
AtA/AtG:	4/4**	—			Station																										
Bomb System: Manual					Limit																										
Notes:					Allowed Loads																										
1. The North American F-86F-25 Sabre is a single-engined, swept-wing, fighter-bomber. The F-86F-25 is derived from the F-86F-15/20, but has a second pair of weapon stations on the inner wing, allowing the aircraft to carry bombs or rockets in addition to a pair of 200 gal fuel tanks and giving it for the first time a useful range when used as a fighter-bomber. The F-86F-30 is similar. This variant is a late-production or modified aircraft with the unslatted 6-3 wing, which gives better maneuverability at altitude but raises the landing and stall speed.					1 and 4 1,400 FT RK																										
					2 and 3 1,000 FT RK BB IRM																										
					Load Notes:																										
					1. Stations must be loaded symmetrically.																										
					2. May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3.																										
					3. May use four HVAR RMs on each station. If RMs are carried on stations 1 and 4, they must also be carried on stations 2 and 3.																										
					4. From 1958, may use AIM-9B IRMs.																										
VPs: 9/6/3/2									v3 0000000 0000-00-00T00:00:00																						

F-86F-35 Sabre										Crew: Pilot	
										Maneuver DPs:	
										LR/DR	1.5
										VR	0.5
Power APs/DPs: ○										Turn DPs:	
										CL	1/2
										DT	
AB	—	—	—	—						TT	0.5/0.5
M	1.0	1.0	1.0	1.0						HT	1.0/1.0
N	0.0	0.0	0.0	0.5						BT	1.0/1.5
I	1.0	1.0	2.0	0.0						ET	1.5/2.0
SPBR	1.0	1.0	2.0	—						1.5/2.0	
					Cruise Spd. CL: 5.0					Restr. Arcs: —	
					Climb Spd.: 3.5					Blind Arcs: 30–	
					Visibility: 5					Internal Fuel: 145	
					Size: +0					AtA Refuel: No	
					Vulnerability: +0					Ejection Seat: Early	
										Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.	
Speeds and Ceilings						Climb Capabilities					
Alt. Band	Conf. Ceil.	CL	1/2	DT	Dive Speed	CL AB	1/2 AB	DT AB			
		48	45	42		Oth	Oth	Oth			
EH+	46+	3.0 – 5.5	—	—	6.5	—	0.5	—	—	—	EH+
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 5.0	6.5	—	0.5	—	0.5	—	VH
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	7.0	—	1.0	—	0.5	—	HI
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	—	1.0	—	1.0	—	MH
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	1.5	—	1.0	—	ML
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	—	1.5	—	1.5	—	LO

Radar:	APG-30	ECM:	IFF	Weapon Stations Diagram:
ECCM:	—	RWR:	—	
Arcs:	—	DDS:	—	
Search:	—	DJM:	—	
Track:	—	AJM:	—	
Lock-On:	7	BJM:	—	
Guns:	Six .50 cal M3	Technology:		Load Point Limits:
To Hit:	6/3/0	None		CL : < 3
Ammunition:	7.0			1/2: < 7
Gunsight:	TT+0/HT+1/BT+2			
Ranging:	RE			
AtA/AtG:	4/4**			Weight Limit: 5,000 DT : ≥ 7
Bomb System:	Manual			
Notes:				
1.	The North American F-86F-35 Sabre is a single-engined, swept-wing, fighter-bomber, and tactical nuclear bomber. The F-86F-35 is similar to the F-86F-25 but the inner left weapon station is reinforced to allow carriage of a Mk 12 nuclear bomb and the aircraft is equipped with the LABS system to allow toss bombing. This variant is the original, with the early slatted wing.			
2.	High transonic drag (HTD).			
				Station Limit Allowed Loads
				1 and 4 1,400 FT RK
				2 1,000 FT RK BB IRM
				3 1,200 FT RK BB IRM
				Load Notes:
				1. Stations must be loaded symmetrically, with the exception that a Mk 12 nuclear bomb may be carried on station 3 with a 120 gal (450L) FT on station 2.
				2. May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3.
				3. May use four HVAR RKS on each station. If RKS are carried on stations 1 and 4, they must also be carried on stations 2 and 3.
				4. May use an Mk 12 nuclear bomb (weight 1200 and load 3.0) on station 3.
				5. From 1958, may use AIM-9B IRMs.
				VPs: 10/7/3/2
				v3 0000000 0000-00-00T00:00:00

F-86F-35 Sabre (6-3 Wing)					Crew: Pilot																															
					Maneuver DPs:																															
Power APs/DPs: ○ <table border="1"> <tr><td>CL</td><td>1/2</td><td>DT</td><td>Fuel</td><td></td></tr> <tr><td>AB</td><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>M</td><td>1.0</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>N</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.5</td></tr> <tr><td>I</td><td>1.0</td><td>1.0</td><td>2.0</td><td>0.0</td></tr> <tr><td>SPBR</td><td>1.0</td><td>1.0</td><td>2.0</td><td>—</td></tr> </table>					CL	1/2	DT	Fuel		AB	—	—	—	—	M	1.0	1.0	1.0	1.0	N	0.0	0.0	0.0	0.5	I	1.0	1.0	2.0	0.0	SPBR	1.0	1.0	2.0	—	LR/DR	1.5
CL	1/2	DT	Fuel																																	
AB	—	—	—	—																																
M	1.0	1.0	1.0	1.0																																
N	0.0	0.0	0.0	0.5																																
I	1.0	1.0	2.0	0.0																																
SPBR	1.0	1.0	2.0	—																																
					VR	0.5																														
Turn DPs: <table border="1"> <tr><td>CL</td><td>1/2</td><td>DT</td></tr> <tr><td>TT</td><td>0.5</td><td>1.0</td><td>1.0</td></tr> <tr><td>HT</td><td>1.0</td><td>1.0</td><td>1.0</td></tr> <tr><td>BT</td><td>1.5</td><td>2.0</td><td>2.0</td></tr> <tr><td>ET</td><td>—</td><td>—</td><td>—</td></tr> </table>					CL	1/2				DT	TT	0.5	1.0	1.0	HT	1.0	1.0	1.0	BT	1.5	2.0	2.0	ET	—	—	—										
CL	1/2	DT																																		
TT	0.5	1.0	1.0																																	
HT	1.0	1.0	1.0																																	
BT	1.5	2.0	2.0																																	
ET	—	—	—																																	
Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 145 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early																																				
Speeds and Ceilings					Climb Capabilities																															
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth																												
Band	Ceil.	48	45	42																																
EH+	46+	2.5 – 5.5	—	—	6.5	— 0.5	— —	— —	EH+																											
VH	36–45	2.5 – 6.0	2.5 – 5.0	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH																											
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 0.5	— 0.5	HI																											
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	MH																											
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML																											
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO																											
Radar: APG-30		ECM:	IFF	Weapon Stations Diagram:																																
ECCM:	—	RWR:	—																																	
Arcs:	—	DDS:	—																																	
Search:	—	DJM:	—																																	
Track:	—	AJM:	—																																	
Lock-On:	7	BJM:	—																																	
Guns: Six .50 cal M3		Technology:		Load Point Limits:																																
To Hit:	6/3/0	None		CL : < 3																																
Ammunition:	7.0			1/2: < 7																																
Gunsight:	TT+0/HT+1/BT+2			Weight Limit: 5,000																																
Ranging:	RE			DT : ≥ 7																																
AtA/AtG:	4/4**			Station																																
Bomb System: Manual				Limit																																
Notes: <ol style="list-style-type: none"> The North American F-86F-35 Sabre is a single-engined, swept-wing, fighter-bomber, and tactical nuclear bomber. The F-86F-35 is similar to the F-86F-25 but the inner left weapon station is reinforced to allow carriage of a Mk 12 nuclear bomb and the aircraft is equipped with the LABS system to allow toss bombing. This variant is fitted with the unslatted 6-3 wing, which gives better maneuverability at altitude but raises the landing and stall speed. 																																				
Load Notes: <ol style="list-style-type: none"> Stations must be loaded symmetrically, with the exception that a Mk 12 nuclear bomb may be carried on station 3 with a 120 gal (450L) FT on station 2. May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3. May use four HVAR RMs on each station. If RMs are carried on stations 1 and 4, they must also be carried on stations 2 and 3. May use an Mk 12 nuclear bomb (weight 1200 and load 3.0) on station 3. From 1958, may use AIM-9B IRMs. 																																				
VPs: 10/7/3/2								v3 0000000 0000-00-00T00:00:00																												

F-86F-40 Sabre										Crew: Pilot							
					Maneuver DPs:					LR/DR 1.5 VR 0.5							
Power APs/DPs: ○					Turn DPs:					CL 1/2 DT TT 0.5/0.5 0.5/0.5 1.0/1.0 HT 1.0/1.0 1.0/1.0 1.0/1.0 BT 1.0/1.5 1.0/1.5 1.5/2.0 ET — — —							
CL 1/2 DT Fuel					Cruise Spd. CL: 5.0 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 145 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Early					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.							
Speeds and Ceilings					Climb Capabilities												
Alt. Band	Conf. Ceil.	CL 50	1/2 48	DT 44	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth									
EH+	46+	2.5 – 5.5	3.0 – 5.0	—	6.5	— 0.5	— 0.5	— —	EH+								
VH	36–45	2.5 – 6.0	2.5 – 5.0	2.5 – 5.0	6.5	— 1.0	— 0.5	— 0.5	VH								
HI	26–35	2.0 – 6.0	2.0 – 5.5	2.5 – 5.0	7.0	— 1.0	— 1.0	— 0.5	HI								
MH	17–25	2.0 – 6.5	2.0 – 5.5	2.0 – 5.0	7.0	— 1.5	— 1.0	— 1.0	MH								
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.5	— 1.5	— 1.0	— 1.0	ML								
LO	0–7	1.5 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	— 1.5	— 1.5	— 1.0	LO								
Radar: APG-30		ECM: IFF	Weapon Stations Diagram:														
ECCM:	—	RWR:															
Arcs:	—	DDS:															
Search:	—	DJM:															
Track:	—	AJM:															
Lock-On:	7	BJM:															
Guns: Six .50 cal M3		Technology:		Load Point Limits:		CL : < 3											
To Hit:	6/3/0	None		1/2: < 7													
Ammunition:	7.0			Weight Limit: 4,800		DT : ≥ 7											
Gunsight:	TT+0/HT+1/BT+2			Station 1 and 4 1,400 FT RK 2 and 3 1,000 FT RK BB IRM													
Ranging:	RE			Load Notes:													
AtA/AtG:	4/4**			1. Stations must be loaded symmetrically. 2. May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3. 3. May use four HVAR RMs on each station. If RMs are carried on stations 1 and 4, they must also be carried on stations 2 and 3. 4. From 1958, may use AIM-9B IRMs.													
Bomb System: Manual																	
Notes:																	
1. The North American F-86F-40 Sabre is a single-engined, swept-wing, fighter-bomber. The F-86F-40 is derived from and is similar to the F-86F-25, but has the slatted, extended 6-3 wing, which gives better maneuverability at altitude and lowers the landing and stall speed.																	
VPs: 10/7/3/2								v3 0000000 0000-00-00T00:00:00									

F-86H Sabre					Crew: Pilot				
					Maneuver DPs:				
					LR/DR	1.5			
					VR	0.5			
					Turn DPs:				
					CL	1/2	DT		
					TT	1.0	1.0	1.0	
					HT	1.0	1.0	1.0	
					BT	1.5	1.5	1.5	
					ET	—	—	—	

Speeds and Ceilings						Climb Capabilities					
Alt. Band	Conf. Ceil.	CL 51	1/2 46	DT 42	Dive Speed	CL AB	1/2 AB	DT AB			
						Oth	Oth	Oth			
EH+	46+	2.5 – 5.5	3.0 – 5.0	—	6.5	—	0.5	—	0.5	—	—
VH	36–45	2.5 – 5.5	2.5 – 5.0	3.0 – 5.0	6.5	—	1.0	—	1.0	—	0.5
HI	26–35	2.0 – 6.0	2.5 – 5.5	2.5 – 5.0	7.0	—	1.5	—	1.0	—	0.5
MH	17–25	2.0 – 6.5	2.5 – 5.5	2.5 – 5.5	7.0	—	1.5	—	1.5	—	1.0
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.5 – 5.5	7.5	—	2.0	—	1.5	—	1.0
LO	0–7	1.5 – 7.0	1.5 – 6.5	2.0 – 6.0	7.5	—	2.5	—	2.0	—	1.5

Radar:	APG-30	ECM:	IFF	Weapon Stations Diagram:
ECCM:	—	RWR:	—	
Arcs:	—	DDS:	—	
Search:	—	DJM:	—	
Track:	—	AJM:	—	
Lock-On:	7	BJM:	—	
Guns:	Four 20 mm M39	Technology:		Load Point Limits:
To Hit:	6/4/3	None		CL : < 3
Ammunition:	3.5			1/2: < 7
Gunsight:	TT+0/HT+1/BT+2			
Ranging:	RE			Weight Limit:
AtA/AtG:	5/7*			5,000 DT : ≥ 7
Bomb System:	Manual			Station
Notes:				Limit
1.	The North American F-86H Sabre is a single-engined, swept-wing, fighter-bomber. The F-86H is derived from the F-86F-35, but has a more powerful engine and four 20 mm M39 guns in place of the original six .50 cal guns. This variant is refitted with the slatted, extended 6-3 wing.			FT
				1,400
				FT RK BB IRM
				1,000
				FT RK BB IRM
				1,200
			Load Notes:	
1.	Stations must be loaded symmetrically, with the exception that a Mk 12 nuclear bomb may be carried on station 3 with a 120 gal (450L) FT on station 2.			
2.	May use 200 gal (760L) FTs on stations 1 and 4 and 120 gal (450L) FTs on stations 2 and 3.			
3.	May use four HVAR RKs on stations 2 and 3.			
4.	May use an Mk 12 nuclear bomb (weight 1200 and load 3.0) on station 3.			
5.	From 1958, may use AIM-9B IRMs.			
				VPs: 12/8/4/2
				v3.0000000 0000-00-00T00:00:00

F-86K Sabre-Dog										Crew: Pilot								
					Maneuver DPs:					LR/DR 1.5 VR 0.5								
Power APs/DPs: ○					Turn DPs:					CL 1/2 DT TT 1.0/1.0 1.0/1.0 1.0/1.0 HT 1.0/1.0 1.0/1.5 1.0/1.5 BT 1.5/2.0 1.5/2.0 1.5/2.0 ET — — —								
AB 1.5 1.0 1.0 3.0 M 1.0 1.0 1.0 1.0 N 0.0 0.0 0.0 0.5 I 1.0 1.0 2.0 0.0 SPBR 1.0 1.0 2.0 —					Cruise Spd. CL: 5.5 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 205 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Std					Automatic leading-edge slats. If speed ≤ 3.5, use higher drag.								
Smoker in military power (SMP).																		
Speeds and Ceilings										Climb Capabilities								
Alt. Band	Conf. Ceil.	CL 50	1/2 47	DT 44	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth										
EH+	46+	3.0 – 6.0	3.0 – 5.5	—	6.5	1.0 0.5	1.0 0.5	— —	EH+									
VH	36–45	3.0 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH									
HI	26–35	2.5 – 6.0	2.5 – 6.0	3.0 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI									
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 6.0	7.0	1.5 1.0	1.0 0.5	1.0 0.5	MH									
ML	8–16	1.5 – 6.5	2.0 – 6.5	2.5 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	ML									
LO	0–7	1.5 – 7.0	2.0 – 6.5	2.0 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	LO									
Radar: APG-36		ECM: IFF		Weapon Stations Diagram:														
ECCM:	0	RWR:	—															
Arcs:	180+	DDS:	—															
Search:	70–10	DJM:	—															
Track:	40–8	AJM:	—															
Lock-On:	7	BJM:	—															
Guns: Four 20 mm M24		Technology:		Load Point Limits: CL : < 3 1/2: < 7														
To Hit:	6/4/3	None		Weight Limit: 2,400 DT : ≥ 7														
Ammunition:	3.0			Station Limit Allowed Loads														
Gunsight:	TT+0/HT+1/BT+2			1 and 4 1,000 FT														
Ranging:	RE			2 and 3 200 IRM														
AtA/AtG:	5/7*			Load Notes:														
Bomb System: Manual				1. Stations must be loaded symmetrically. 2. May use 120 gal (450L) FTs. 3. From 1958, may use AIM-9B IRMs.														
Notes:																		
1. The North American F-86K Sabre-Dog is a single-engined, swept-wing, all-weather interceptor. The F-86K version is a derivative of the F-86D and has four 20 mm Mk24 cannons in place of the rocket armament of the earlier version and the simpler MG-4 fire-control system. This variant is the original with the early slatted wing. 2. High transonic drag (HTD).																		
VPs: 11/7/4/2								v3 0000000 0000-00-00T00:00:00										

F-86K Sabre-Dog (Extended 6-3 Wing)										Crew: Pilot								
Power APs/DPs: ○										Maneuver DPs:								
AB 1.5 1.0 1.0 3.0 M 1.0 1.0 1.0 1.0 N 0.0 0.0 0.0 0.5 I 1.0 1.0 2.0 0.0 SPBR 1.0 1.0 2.0 —										LR/DR	1.5	VR	0.5					
Cruise Spd. CL: 5.5 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 5 Internal Fuel: 205 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Std										Turn DPs:	CL 1/2 DT	TT 1.0 1.0 1.0	HT 1.0 1.0 1.0					
										BT 1.5 1.5 1.5	ET — — —	—	—					
Smoker in military power (SMP).																		
Speeds and Ceilings							Climb Capabilities											
Alt. Band	Conf. Ceil.	CL 50	1/2 47	DT 44	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth										
EH+	46+	2.5 – 6.0	2.5 – 5.5	—	6.5	1.0 0.5	1.0 0.5	— —	EH+									
VH	36–45	2.5 – 6.0	2.5 – 5.5	2.5 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH									
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI									
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 6.0	7.0	1.5 1.0	1.0 0.5	1.0 0.5	MH									
ML	8–16	1.5 – 6.5	2.0 – 6.5	2.5 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	ML									
LO	0–7	1.5 – 7.0	2.0 – 6.5	2.0 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	LO									
Radar: APG-36 ECCM: 0 Arcs: 180+ Search: 70–10 Track: 40–8 Lock-On: 7			ECM: IFF RWR: — DDS: — DJM: — AJM: — BJM: —	Weapon Stations Diagram:														
Guns: Four 20 mm M24 To Hit: 6/4/3 Ammunition: 3.0 Gunsight: TT+0/HT+1/BT+2 Ranging: RE AtA/AtG: 5/7*			Technology: None	Load Point Limits: CL : < 3 1/2: < 7 Weight Limit: 2,400 DT : ≥ 7					Load Point Limits: CL : < 3 1/2: < 7 Weight Limit: 2,400 DT : ≥ 7									
Bomb System: Manual				Station Limit Allowed Loads 1 and 4 1,000 FT 2 and 3 200 IRM					Station Limit Allowed Loads 1 and 4 1,000 FT 2 and 3 200 IRM									
Notes: 1. The North American F-86K Sabre-Dog is a single-engined, swept-wing, all-weather interceptor. The F-86K version is a derivative of the F-86D and has four 20 mm Mk24 cannons in place of the rocket armament of the earlier version and the simpler MG-4 fire-control system. This variant has the slatted, extended 6-3 wing.																		
VPs: 12/8/4/2										v3 0000000 0000-00-00T00:00:00								

F-86L Sabre-Dog								
Power APs/DPs: ○								
CL 1/2 DT Fuel								
AB	1.5	1.0	1.0	3.0				
M	1.0	1.0	1.0	1.0				
N	0.0	0.0	0.0	0.5				
I	1.0	1.0	2.0	0.0				
SPBR	1.0	1.0	2.0	—				
Smoker in military power (SMP).								
Cruise Spd. CL: 5.5 Restr. Arcs: —								
Climb Spd.: 3.5 Blind Arcs: 30–								
Visibility: 5 Internal Fuel: 205								
Size: +0 AtA Refuel: No								
Vulnerability: +0 Ejection Seat: Early								

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT	AB Oth	AB Oth	AB Oth
Alt.	Band	Conf. Ceil.	CL	1/2	DT	CL	1/2	DT	AB Oth	AB Oth	AB Oth
EH+	46+	2.5 – 6.0	2.5 – 5.5	—	6.5	1.0 0.5	1.0 0.5	—	—	—	EH+
VH	36–45	2.5 – 6.0	2.5 – 5.5	2.5 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	1.0 0.5	1.0 0.5	VH
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	1.0 0.5	1.0 0.5	HI
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 6.0	7.0	1.5 1.0	1.0 0.5	1.0 0.5	1.0 0.5	1.0 0.5	MH
ML	8–16	1.5 – 6.5	2.0 – 6.5	2.5 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	1.5 1.0	1.5 1.0	ML
LO	0–7	1.5 – 7.0	2.0 – 6.5	2.0 – 6.0	7.5	2.0 1.0	1.5 1.0	1.5 1.0	1.5 1.0	1.5 1.0	LO

Radar: APG-36	ECM: IFF	Weapon Stations Diagram:							
ECCM: 0	RWR: —								
Arcs: 180+	DDS: —								
Search: 70–10	DJM: —								
Track: 40–8	AJM: —								
Lock-On: 7	BJM: —								
Guns: —	Technology: CC Rocket Attack	Load Point Limits: CL : < 3 1/2: < 7							
To Hit: —		Weight Limit: 2,400 DT : ≥ 7							
Ammunition: —		Station	Limit	Allowed Loads					
Gunsight: TT+0/HT+1/BT+2		1 and 5	1,000	FT					
Ranging: RE		2 and 4	200	IRM					
AtA/AtG: —		3	0						
Bomb System: Manual		Load Notes:							
Notes:		1. Stations must be loaded symmetrically. 2. May use 120 gal (450L) FTs. 3. From 1958, may use AIM-9B IRMs. 4. Station 3 is an internal rocket tray with 2 factors of air-to-air rockets.							
VPs: 13/9/4/2						v3 0000000	0000-00-00T00:00:00		