

## **Lockheed F-94**

- F-94A
- F-94B

## **See Also**

- Lockheed F-80/T-33 Shooting Star

F-94A									Crew: Pilot and Radar Officer			
									Maneuver HFPs/DPs:			
LR/DR		1.0	1.5									
VR			0.5									
Turn DPs:												
		CL	1/2	DT								
TT		0.0	0.0	1.0								
HT		1.0	1.0	2.0								
BT		2.0	2.0	3.0								
ET		—	—	—								
Power APs/DPs: ○					Cruise Spd. CL: 4.5		Restr. Arcs: —					
					Climb Spd.: 3.0		Blind Arcs: 30–					
					Visibility: 5		Internal Fuel: 103					
					Size: +0		AtA Refuel: No					
Smoker in military power (SMP).					Vulnerability: +1		Ejection Seat: Early					
Speeds and Ceilings						Climb Capabilities						
Alt. Band	Conf. Ceil.	CL 47		1/2 42	DT 37	Dive Speed	CL AB Oth		1/2 AB Oth		DT AB Oth	
EH+	46+	2.5 – 4.5		—	—	6.5	0.50 —		— —	— —		EH+
VH	36–45	2.5 – 5.0		2.5 – 5.0	2.5 – 4.5	7.0	0.50 0.25		0.50 —	0.50 —		VH
HI	26–35	2.5 – 5.5		2.5 – 5.0	2.5 – 4.0	7.0	1.00 0.50		0.50 0.25	0.50 0.25		HI
MH	17–25	2.0 – 5.5		2.0 – 5.5	2.5 – 4.5	7.0	1.00 0.50		1.00 0.50	0.50 0.25		MH
ML	8–16	2.0 – 6.0		2.0 – 5.5	2.0 – 5.0	7.5	1.00 0.50		1.00 0.50	1.00 0.50		ML
LO	0–7	1.5 – 6.0		2.0 – 5.5	2.0 – 5.0	7.5	1.50 1.00		1.50 1.00	1.00 0.50		LO

<b>Radar:</b> APG-33 <b>ECCM:</b> 0 <b>Arcs:</b> 180+ <b>Search:</b> 60–10 <b>Track:</b> 30–8 <b>Lock-On:</b> 7	<b>ECM:</b> IFF <b>RWR:</b> — <b>DDS:</b> — <b>DJM:</b> — <b>AJM:</b> — <b>BJM:</b> —	<b>Weapon Stations Diagram:</b>						
<b>Guns:</b> Four .50 cal M3 <b>To Hit:</b> 6/3/0 <b>Ammunition:</b> 8.0 <b>Gunsight:</b> TT+0/HT+1/BT+2 <b>Ranging:</b> RE <b>AtA/AtG:</b> 3/3**	<b>Technology:</b> None	<b>Load Point Limits:</b> CL : 0–4 1/2: 5–7 <b>Weight Limit:</b> 2,200 DT : 8+						
<b>Bomb System:</b> Manual		<table border="1"> <thead> <tr> <th>Station</th> <th>Limit</th> <th>Allowed Loads</th> </tr> </thead> <tbody> <tr> <td>1 and 2</td> <td>1,100</td> <td>FT</td> </tr> </tbody> </table> <b>Load Notes:</b> 1. The wing-tip stations 1 and 2 usually carry 165 gal (600L) FTs, each with a weight of 1100, 3.0/2.0 load points, and 50 fuel points.	Station	Limit	Allowed Loads	1 and 2	1,100	FT
Station	Limit	Allowed Loads						
1 and 2	1,100	FT						
<b>Notes:</b> 1. The Lockheed F-94A is an all-weather interceptor. It is derived from the T-33A trainer, but adds the APG-33 radar and the Hughes E-1 fire-control system. It is armed with four .50-cal machine guns, and the fire-control system allows them to be fired under radar control. 2. High transonic drag (HTD). 3. The E1 all-weather fire-control system allows the guns to be fired on targets that are unsighted but tracked by radar if the radar-ranging attempt succeeds.		<b>VPs:</b> 10/7/3/2						
		v2 0000000 0000-00-00T00:00:00						

F-94B										Crew: Pilot and Radar Officer																			
										Maneuver HFPs/DPs:																			
LR/DR		1.0		1.5																									
VR				0.5																									
Turn DPs:																													
		CL		1/2		DT																							
TT		0.0		0.0		1.0																							
HT		1.0		1.0		2.0																							
BT		2.0		2.0		3.0																							
ET		—		—		—																							
Power APs/DPs: ○					Cruise Spd. CL: 4.5					Restr. Arcs: —																			
					Climb Spd.: 3.0					Blind Arcs: 30–																			
					Visibility: 5					Internal Fuel: 103																			
					Size: +0					AtA Refuel: No																			
Smoker in military power (SMP).					Vulnerability: +1					Ejection Seat: Early																			
Speeds and Ceilings							Climb Capabilities																						
Alt.		Conf.		CL		1/2		DT		Dive		CL		1/2		DT													
Band		Ceil.		47		42		37		Speed		AB Oth		AB Oth		AB Oth													
EH+		46+		2.5 – 4.5		—		—		6.5		0.50 —		— —		— —		EH+											
VH		36–45		2.5 – 5.0		2.5 – 5.0		2.5 – 4.5		7.0		0.50 0.25		0.50 —		0.50 —		VH											
HI		26–35		2.5 – 5.5		2.5 – 5.0		2.5 – 4.0		7.0		1.00 0.50		0.50 0.25		0.50 0.25		HI											
MH		17–25		2.0 – 5.5		2.0 – 5.5		2.5 – 4.5		7.0		1.00 0.50		1.00 0.50		0.50 0.25		MH											
ML		8–16		2.0 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.00 0.50		1.00 0.50		1.00 0.50		ML											
LO		0–7		1.5 – 6.0		2.0 – 5.5		2.0 – 5.0		7.5		1.50 1.00		1.50 1.00		1.00 0.50		LO											
Radar:					APG-33					ECM:					IFF					Weapon Stations Diagram:									
ECCM:					0					RWR:					—														
Arcs:					180+					DDS:					—														
Search:					60–10					DJM:					—														
Track:					30–8					AJM:					—														
Lock-On:					7					BJM:					—														
Guns:					Four .50 cal M3					Technology:					Load Point Limits:					CL : 0–4									
To Hit:					6/3/0					None										1/2: 5–7									
Ammunition:					8.0										Weight Limit:					3,600 DT : 8+									
Gunsight:					TT+0/HT+1/BT+2										Station					Limit					Allowed Loads				
Ranging:					RE										1 and 2					1,800					FT				
AtA/AtG:					3/3**										Load Notes:														
Bomb System:					Manual										1. The wing-tip stations 1 and 2 usually carry 230 gal (850L) FTs, each with a weight of 1800, 3.5/2.5 load points, and 75 fuel points.														
Notes:																													
1. The Lockheed F-94B is an all-weather interceptor. It is a development of the F-94A and features a more reliable engine and modifications to the cockpit. It retains the APG-33 radar and the Hughes E-1 fire-control system. It is armed with four .50 cal machine guns, and the fire-control system allows them to be fired under radar control.																													
2. High transonic drag (HTD).																													
3. The E1 all-weather fire-control system allows the guns to be fired on targets that are unsighted but tracked by radar if the radar-ranging attempt succeeds.																													