

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:																
Power APs/DPs: ○								LR/DR	1.0	1.5														
CL 1/2 DT Fuel								VR	0.5															
AB	1.0	1.0	1.0	2.0																				
M	1.0	0.5	0.5	1.0																				
N	0.0	0.0	0.0	0.5																				
I	1.0	1.0	1.0	0.0	Cruise Spd. CL: 4.5 Restr. Arcs: —																			
SPBR	1.0	1.0	1.0	—	Climb Spd.: 3.0 Blind Arcs: 30–																			
Smoker in military power (SMP).								Visibility: 5 Internal Fuel: 103																
Size: +0 AtA Refuel: No								Vulnerability: +1 Ejection Seat: Early																
								Turn DPs:																
CL 1/2 DT								TT	0.0	0.0	1.0													
TT 1.0 1.0 2.0								HT	1.0	1.0	2.0													
BT 2.0 2.0 3.0								ET	—	—	—													
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 —	0.50	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	0.50	0.50	0.50	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	0.50	0.50	0.50	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	1.00	0.50	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	1.00	0.50	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:																
To Hit:	6/3/0	None				CL : 0–4				1/2: 5–7														
Ammunition:	8.0									Weight Limit: 2,200		DT : 8+												
Gunsight:	TT+0/HT+1/BT+2					Station				Limit		Allowed Loads												
Ranging:	RE					1 and 2				1,100 FT														
AtA/AtG:	3/3**					Load Notes:																		
Bomb System: Manual				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.																				
Notes:																								
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.																								
VPs: 10/7/3/2								v2.0000000 0000-00-00T00:00:00																

F-94B					Crew: Pilot and Radar Officer							
					Maneuver HFPs/DPs:							
Power APs/DPs: ○					LR/DR	1.0	1.5					
CL 1/2 DT Fuel					VR	0.5						
AB	1.0	1.0	1.0	2.0	Turn DPs:							
M	1.0	0.5	0.5	1.0	CL	1/2	DT					
N	0.0	0.0	0.0	0.5	TT	0.0	0.0	1.0				
I	1.0	1.0	1.0	0.0	HT	1.0	1.0	2.0				
SPBR	1.0	1.0	1.0	—	BT	2.0	2.0	3.0				
Smoker in military power (SMP).					ET	—	—	—				
Cruise Spd. CL: 4.5 Restr. Arcs: —												
Climb Spd.: 3.0 Blind Arcs: 30–												
Visibility: 5 Internal Fuel: 103												
Size: +0 AtA Refuel: No												
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			
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: None			Load Point Limits:							
To Hit:	6/3/0				CL : 0–4							
Ammunition:	8.0				1/2: 5–7							
Gunsight:	TT+0/HT+1/BT+2				Weight Limit: 3,600							
Ranging:	RE				DT : 8+							
AtA/AtG:	3/3**				Station	Limit	Allowed Loads					
Bomb System: Manual					1 and 2	1,800	FT					
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.												
VPs: 10/7/3/2						v2.0000000 0000-00-00T00:00:00						