

Northrup F-89 Scorpion

- F-89D
- F-89H
- F-89J (Rocket-and-Fuel Pods)
- F-89J (Fuel-Only Pods)

F-89H Scorpion					Crew: Pilot and Radar Officer									
Power APs/DPs: ○○ CL 1/2 DT Fuel AB 1.0 1.0 1.0 6.0 M 1.0 1.0 0.5 3.0 N 0.0 0.0 0.0 1.0 I 1.0 1.0 2.0 0.0 SPBR 1.0 2.0 2.0 —										Maneuver HFPs/DPs: LR/DR 1.0 1.5 VR 1.0				
										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 2.0 ET — — —				
If not using AB, reduce maximum speeds by 0.5.					Cruise Spd. CL: 4.5 Restr. Arcs: — Climb Spd.: 3.5 Blind Arcs: 30– Visibility: 7 Internal Fuel: 575 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Std									
Speeds and Ceilings						Climb Capabilities								
Alt. Band	Conf. Ceil.	CL 49	1/2 45	DT 40	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth						
EH+	46+	3.0 – 5.0	—	—	6.0	0.50 0.25	— —	— —	EH+					
VH	36–45	3.0 – 5.5	3.0 – 5.0	3.0 – 4.5	6.0	0.50 0.25	0.50 0.25	0.50 0.25	VH					
HI	26–35	2.5 – 6.0	2.5 – 5.5	3.0 – 5.0	6.5	0.50 0.25	0.50 0.25	0.50 0.25	HI					
MH	17–25	2.5 – 6.0	2.5 – 5.5	2.5 – 5.0	6.5	1.00 0.50	1.00 0.50	1.00 0.50	MH					
ML	8–16	2.0 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.00 0.50	1.00 0.50	1.00 0.50	ML					
LO	0–7	1.5 – 6.5	1.5 – 6.0	2.0 – 5.5	7.0	1.00 0.50	1.00 0.50	1.00 0.50	LO					

Radar: APG-40		ECM: IFF		Weapon Stations Diagram:	
ECCM: 1		RWR: —			
Arcs: 180+		DDS: —			
Search: 120–20		DJM: —			
Track: 60–10		AJM: —		Load Point Limits: CL : 0–4 1/2: 5–8 Weight Limit: 4,400 DT : 9+	
Lock-On: 7		BJM: —			
Guns: —		Technology:			
To Hit: —		CC Rocket Attack			
Ammunition: —				Station Limit Allowed Loads	
Gunsight: TT+0/HT+1/BT+2				1 and 4 390 IRM RHM	
Ranging: RE				2 and 4 1,600 BB FT	
AtA/AtG: —				Load Notes:	
Bomb System: Manual				1. Stations 1 and 4 are fixed wing-tip pods for rockets, missiles, and fuel. Each can carry 2 factors of air-to-air rockets, giving a total of 4 factors for with pods. Each can also carry three RHM/IRM. The pod fuel is included in the internal fuel.	
Notes:				2. May use GAR-1/-1D RHMs and GAR-2/-2A IRMs. Typically carries three RHMs in one pod and three IRMs in the other.	
1.					
2. High transonic drag (HTD).					
3. The E-9 fire-control system provides CC Rocket Attack technology.					
				VPs: 14/9/5/2	
				v2 00000000 0000-00-00T00:00:00	

F-89J Scorpion (Fuel-Only Pods)										Crew: Pilot and Radar Officer						
										Maneuver HFPs/DPs:						
LR/DR		1.0		1.5												
VR				1.0												
Power APs/DPs: ○○										Turn DPs:						
CL	1/2	DT	Fuel		Cruise Spd. CL: 4.5		Restr. Arcs: —									
AB	1.0	1.0	1.0	6.0	Climb Spd.: 3.5		Blind Arcs: 30–									
M	1.0	1.0	0.5	3.0	Visibility: 7		Internal Fuel: 770									
N	0.0	0.0	0.0	1.0	Size: +0		AtA Refuel: No									
I	1.0	1.0	2.0	0.0	Vulnerability: +0		Ejection Seat: Std									
SPBR	1.0	2.0	2.0	—												
If not using AB, reduce maximum speeds by 0.5.																
Speeds and Ceilings							Climb Capabilities									
Alt. Band	Conf. Ceil.	CL 49		1/2 45		DT 40		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		
EH+	46+	3.0 – 5.0		—		—		6.0		0.50 0.25		— —		— —		EH+
VH	36–45	3.0 – 5.5		3.0 – 5.0		3.0 – 4.5		6.0		0.50 0.25		0.50 0.25		0.50 0.25		VH
HI	26–35	2.5 – 6.0		2.5 – 5.5		3.0 – 5.0		6.5		0.50 0.25		0.50 0.25		0.50 0.25		HI
MH	17–25	2.5 – 6.0		2.5 – 5.5		2.5 – 5.0		6.5		1.00 0.50		1.00 0.50		1.00 0.50		MH
ML	8–16	2.0 – 6.5		2.0 – 6.0		2.0 – 5.5		7.0		1.00 0.50		1.00 0.50		1.00 0.50		ML
LO	0–7	1.5 – 6.5		1.5 – 6.0		2.0 – 5.5		7.0		1.00 0.50		1.00 0.50		1.00 0.50		LO

Radar: APG-40 ECCM: 1 Arcs: 180+ Search: 120–20 Track: 60–10 Lock-On: 7	ECM: IFF RWR: — DDS: — DJM: — AJM: — BJM: —	Weapon Stations Diagram:												
Guns: — To Hit: — Ammunition: — Gunsight: TT+0/HT+1/BT+2 Ranging: RE AtA/AtG: —	Technology: CC Rocket Attack	Load Point Limits: CL : 0–4 1/2: 5–8 Weight Limit: 4,400 DT : 9+												
Bomb System: Manual		<table border="1"> <thead> <tr> <th>Station</th> <th>Limit</th> <th>Allowed Loads</th> </tr> </thead> <tbody> <tr> <td>1 and 8</td> <td>0</td> <td></td> </tr> <tr> <td>2 and 7</td> <td>1,600</td> <td>BB FT Nuclear RK</td> </tr> <tr> <td>3–4 and 5–6</td> <td>150</td> <td>IRM RHM</td> </tr> </tbody> </table> <p>Load Notes:</p> <ol style="list-style-type: none"> Stations 1 and 8 are fixed wing-tip pods for fuel only. The pod fuel is included in the internal fuel. May use AIM-4 IRM and RHMs. May use AIR-2A nuclear RK. 	Station	Limit	Allowed Loads	1 and 8	0		2 and 7	1,600	BB FT Nuclear RK	3–4 and 5–6	150	IRM RHM
Station	Limit	Allowed Loads												
1 and 8	0													
2 and 7	1,600	BB FT Nuclear RK												
3–4 and 5–6	150	IRM RHM												
Notes: <ol style="list-style-type: none"> High transonic drag (HTD). The MG-12 fire-control system provides CC Rocket Attack technology. 		VPs: 15/10/5/3												
		v2 00000000 0000-00-00T00:00:00												