

## **Grumman F9F Cougar**

- F9F-6
- F9F-6P
- F9F-8
- F9F-8P
- F9F-8B
- F9F-8T
- TF-9J

### **See Also**

- Grumman F9F Panther

F9F-6 Cougar										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	1.5									
BT		2.0	2.0	2.0									
ET		—	—	—									
Power APs/DPs: ○					Cruise Spd. CL: 5.0		Restr. Arcs: —						
					Climb Spd.: 3.5		Blind Arcs: 30–						
					Visibility: 5		Internal Fuel: 345						
					Size: +0		AtA Refuel: No						
					Vulnerability: +0		Ejection Seat: Early						
Speeds and Ceilings						Climb Capabilities							
Alt.	Conf.	CL	1/2	DT	Dive	CL		1/2		DT			
Band	Ceil.	44	40	38	Speed	AB	Oth	AB	Oth	AB	Oth		
EH+	46+	—	—	—	—	—	—	—	—	—	—	EH+	
VH	36–45	3.0 – 5.5	3.5 – 5.5	—	6.5	—	0.5	—	0.5	—	—	VH	
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.5 – 5.0	7.0	—	0.5	—	0.5	—	0.5	HI	
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 5.5	7.0	—	1.0	—	1.0	—	0.5	MH	
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.5	—	1.0	—	1.0	—	0.5	ML	
LO	0–7	1.5 – 6.5	1.5 – 6.5	2.0 – 6.0	7.5	—	1.0	—	1.0	—	1.0	LO	
Radar:					APG-30A		ECM:		IFF		Weapon Stations Diagram:		
ECCM:					—		RWR:		—				
Arcs:					—		DDS:		—				
Search:					—		DJM:		—				
Track:					—		AJM:		—				
Lock-On:					6		BJM:		—				
Guns:					Four 20 mm M3		Technology:				Load Point Limits:		
To Hit:					6/4/3		None				CL : < 5		
Ammunition:					8.0						1/2: < 9		
Gunsight:					TT+0/HT+1/BT+2						Weight Limit:		
Ranging:					RE						2,000		
AtA/AtG:					5/6*						DT : ≥ 9		
Bomb System:					Manual						Station		
											Limit		
											Allowed Loads		
											1 and 2		
											1,000		
											BB FT		
Notes:													
1.													
2. High transonic drag (HTD).													

F9F-6P Cougar										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	1.5									
BT		2.0	2.0	2.0									
ET		—	—	—									
Power APs/DPs: ○					Cruise Spd. CL: 5.0		Restr. Arcs: —						
					Climb Spd.: 3.5		Blind Arcs: 30–						
					Visibility: 5		Internal Fuel: 345						
					Size: +0		AtA Refuel: No						
					Vulnerability: +0		Ejection Seat: Early						
Speeds and Ceilings						Climb Capabilities							
Alt.	Conf.	CL	1/2	DT	Dive	CL		1/2		DT			
Band	Ceil.	44	40	38	Speed	AB	Oth	AB	Oth	AB	Oth		
EH+	46+	—	—	—	—	—	—	—	—	—	—	EH+	
VH	36–45	3.0 – 5.5	3.5 – 5.5	—	6.5	—	0.5	—	0.5	—	—	VH	
HI	26–35	2.5 – 6.0	3.0 – 5.5	3.5 – 5.0	7.0	—	0.5	—	0.5	—	0.5	HI	
MH	17–25	2.0 – 6.5	2.5 – 6.0	2.5 – 5.5	7.0	—	1.0	—	1.0	—	0.5	MH	
ML	8–16	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.5	—	1.0	—	1.0	—	0.5	ML	
LO	0–7	1.5 – 6.5	1.5 – 6.5	2.0 – 6.0	7.5	—	1.0	—	1.0	—	1.0	LO	
Radar:					—		ECM:		IFF		Weapon Stations Diagram:		
ECCM:					—		RWR:		—				
Arcs:					—		DDS:		—				
Search:					—		DJM:		—				
Track:					—		AJM:		—				
Lock-On:					—		BJM:		—				
Guns:					—		Technology:		Load Point Limits: CL : < 5 1/2: < 9 Weight Limit: 2,000 DT : ≥ 9				
To Hit:					—		None						
Ammunition:					—								
Gunsight:					TT+0/HT+1/BT+2								
Ranging:					—								
AtA/AtG:					—								
Bomb System:					Manual								
Notes:													
1.													
2. High transonic drag (HTD).													
3. Oblique and overhead cameras in the nose.													
VPs: 9/6/3/2										v3 0000000 0000-00-00T00:00:00			

F9F-8 Cougar										Crew: Pilot																			
										Maneuver DPs:																			
Power APs/DPs: ○										LR/DR 1.5																			
										VR 0.5																			
CL 1/2 DT Fuel										Turn DPs:																			
AB — — — —										CL 1/2 DT																			
M 1.5 1.0 1.0 1.0										TT 1.0 1.0 1.0																			
N 0.0 0.0 0.0 0.5										HT 1.0 1.0 1.5																			
I 1.0 1.0 1.0 0.0										BT 2.0 2.0 2.0																			
SPBR 1.0 1.0 2.0 —										ET — — —																			
					Cruise Spd. CL: 5.0 Restr. Arcs: —																								
					Climb Spd.: 3.5 Blind Arcs: 30–																								
					Visibility: 5 Internal Fuel: 345																								
					Size: +0 AtA Refuel: Yes																								
					Vulnerability: +0 Ejection Seat: Early																								
Speeds and Ceilings										Climb Capabilities																			
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT															
Band Ceil.		42		38		34		Speed		AB Oth		AB Oth		AB Oth															
EH+ 46+		—		—		—		—		— —		— —		— —		EH+													
VH 36–45		3.0 – 5.5		3.5 – 5.5		—		6.5		— 0.5		— 0.5		— —		VH													
HI 26–35		2.5 – 6.0		3.0 – 5.5		3.5 – 5.0		7.0		— 0.5		— 0.5		— 0.5		HI													
MH 17–25		2.0 – 6.5		2.5 – 6.0		2.5 – 5.5		7.0		— 1.0		— 1.0		— 0.5		MH													
ML 8–16		1.5 – 6.5		2.0 – 6.0		2.0 – 5.5		7.5		— 1.0		— 1.0		— 0.5		ML													
LO 0–7		1.5 – 6.5		1.5 – 6.5		2.0 – 6.0		7.5		— 1.0		— 1.0		— 1.0		LO													
Radar: APG-30A					ECM: IFF					Weapon Stations Diagram:																			
ECCM: —					RWR: —																								
Arcs: —					DDS: —																								
Search: —					DJM: —																								
Track: —					AJM: —																								
Lock-On: 6					BJM: —																								
Guns: Four 20 mm M3					Technology:					Load Point Limits: CL : < 5																			
To Hit: 6/4/3					None					1/2: < 9																			
Ammunition: 8.0										Weight Limit: 4,000 DT : ≥ 9																			
Gunsight: TT+0/HT+1/BT+2										Station Limit Allowed Loads																			
Ranging: RE										1 and 6 1,000 BB RK RG FT																			
AtA/AtG: 5/6*										2–3 and 4–5 500 BB RK RP IRM																			
Bomb System: Manual										Load Notes:																			
										1. May use AIM-9B IRMs and AGM-12 RGs from 1958.																			
Notes:																													
1.																													
2. High transonic drag (HTD).																													

F9F-8P Cougar										Crew: Pilot														
										Maneuver DPs:														
LR/DR1.5																								
VR0.5																								
Turn DPs:																								
Power APs/DPs: ○					Cruise Spd. CL: 5.0    Restr. Arcs: — Climb Spd.: 3.5    Blind Arcs: 30– Visibility: 5    Internal Fuel: 345 Size: +0    AtA Refuel: Yes Vulnerability: +0    Ejection Seat: Early					CL1/2DT														
CL1/2DTFuel										TT1.01.01.0														
AB— — — —										HT1.01.01.5														
M1.51.01.01.0										BT2.02.02.0														
N0.00.00.00.5										ET— — —														
I1.01.01.00.0																								
SPBR1.01.02.0—																								
Speeds and Ceilings										Climb Capabilities														
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT										
Band Ceil.		42		38		34		Speed		AB Oth		AB Oth		AB Oth										
EH+ 46+		—		—		—		—		— —		— —		— —		EH+								
VH 36–45		3.0 – 5.5		3.5 – 5.5		—		6.5		— 0.5		— 0.5		— —		VH								
HI 26–35		2.5 – 6.0		3.0 – 5.5		3.5 – 5.0		7.0		— 0.5		— 0.5		— 0.5		HI								
MH 17–25		2.0 – 6.5		2.5 – 6.0		2.5 – 5.5		7.0		— 1.0		— 1.0		— 0.5		MH								
ML 8–16		1.5 – 6.5		2.0 – 6.0		2.0 – 5.5		7.5		— 1.0		— 1.0		— 0.5		ML								
LO 0–7		1.5 – 6.5		1.5 – 6.5		2.0 – 6.0		7.5		— 1.0		— 1.0		— 1.0		LO								
Radar: —					ECM: IFF					Weapon Stations Diagram:														
ECCM: —					RWR: —																			
Arcs: —					DDS: —																			
Search: —					DJM: —																			
Track: —					AJM: —																			
Lock-On: —					BJM: —																			
Guns: —					Technology:					Load Point Limits: CL : < 5														
To Hit: —					None					1/2: < 9														
Ammunition: —										Weight Limit: 4,000 DT : ≥ 9														
Gunsight: TT+0/HT+1/BT+2										StationLimitAllowed Loads														
Ranging: —										1 and 61,000BB RK RG FT														
AtA/AtG: —										2–3 and 4–5500BB RK RP IRM														
Bomb System: Manual										Load Notes:														
										1. May use AIM-9B IRMs and AGM-12 RGs from 1958.														
Notes:																								
1.																								
2. High transonic drag (HTD).																								
3. Oblique and overhead cameras in the nose.																								
VPs: 9/6/3/2										v3 00000000 0000-00-00T00:00:00														

F9F-8B Cougar										Crew: Pilot									
										Maneuver DPs:									
LR/DR1.5																			
VR0.5																			
Turn DPs:																			
Power APs/DPs: ○					Cruise Spd. CL: 5.0					Restr. Arcs: —									
CL1/2DTFuel					Climb Spd.: 3.5					Blind Arcs: 30–									
AB— — — —					Visibility: 5					Internal Fuel: 345									
M1.51.01.01.0					Size: +0					AtA Refuel: Yes									
N0.00.00.00.5					Vulnerability: +0					Ejection Seat: Early									
I1.01.01.00.0																			
SPBR1.01.02.0—																			
Speeds and Ceilings										Climb Capabilities									
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT					
Band Ceil.		42		38		34		Speed		AB Oth		AB Oth		AB Oth					
EH+ 46+		—		—		—		—		— —		— —		— —		EH+			
VH 36–45		3.0 – 5.5		3.5 – 5.5		—		6.5		— 0.5		— 0.5		— —		VH			
HI 26–35		2.5 – 6.0		3.0 – 5.5		3.5 – 5.0		7.0		— 0.5		— 0.5		— 0.5		HI			
MH 17–25		2.0 – 6.5		2.5 – 6.0		2.5 – 5.5		7.0		— 1.0		— 1.0		— 0.5		MH			
ML 8–16		1.5 – 6.5		2.0 – 6.0		2.0 – 5.5		7.5		— 1.0		— 1.0		— 0.5		ML			
LO 0–7		1.5 – 6.5		1.5 – 6.5		2.0 – 6.0		7.5		— 1.0		— 1.0		— 1.0		LO			
Radar: APG-30A					ECM: IFF					Weapon Stations Diagram:									
ECCM: —					RWR: —														
Arcs: —					DDS: —														
Search: —					DJM: —														
Track: —					AJM: —														
Lock-On: 6					BJM: —														
Guns: Four 20 mm M3					Technology:					Load Point Limits: CL : < 5									
To Hit: 6/4/3					None					1/2: < 9									
Ammunition: 8.0										Weight Limit: 4,000 DT : ≥ 9									
Gunsight: TT+0/HT+1/BT+2										StationLimitAllowed Loads									
Ranging: RE										1 and 21,200Nuclear BB FT									
AtA/AtG: 5/6*										Load Notes:									
Bomb System: Manual										1. Station 1 may carry a Mk 12 nuclear bomb (weight 1200 and load 3.0).									
Notes:										2. Station 2 may carry a 150 gal FT (600L, weight 1100, load 3.0/2.0, and 50 fuel points).									
										VPs: 12/8/4/2									
										v3 0000000 0000-00-00T00:00:00									

F9F-8T Cougar										Crew: Pilot and Observer									
										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		1.5													
BT		2.0		2.0		2.0													
ET		—		—		—													
Power APs/DPs: ○					Cruise Spd. CL: 5.0					Restr. Arcs: —									
CL 1/2 DT Fuel					Climb Spd.: 3.5					Blind Arcs: 30–									
AB — — — —					Visibility: 5					Internal Fuel: 345									
M 1.5 1.0 1.0 1.0					Size: +0					AtA Refuel: Yes									
N 0.0 0.0 0.0 0.5					Vulnerability: +0					Ejection Seat: Early									
I 1.0 1.0 1.0 0.0																			
SPBR 1.0 1.0 2.0 —																			
Speeds and Ceilings										Climb Capabilities									
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT					
Band Ceil.		42		38		34		Speed		AB Oth		AB Oth		AB Oth					
EH+ 46+		—		—		—		—		— —		— —		— —		EH+			
VH 36–45		3.0 – 5.5		3.5 – 5.5		—		6.5		— 0.5		— 0.5		— —		VH			
HI 26–35		2.5 – 6.0		3.0 – 5.5		3.5 – 5.0		7.0		— 0.5		— 0.5		— 0.5		HI			
MH 17–25		2.0 – 6.5		2.5 – 6.0		2.5 – 5.5		7.0		— 1.0		— 1.0		— 0.5		MH			
ML 8–16		1.5 – 6.5		2.0 – 6.0		2.0 – 5.5		7.5		— 1.0		— 1.0		— 0.5		ML			
LO 0–7		1.5 – 6.5		1.5 – 6.5		2.0 – 6.0		7.5		— 1.0		— 1.0		— 1.0		LO			
Radar: APG-30A					ECM: IFF					Weapon Stations Diagram:									
ECCM: —					RWR: —														
Arcs: —					DDS: —														
Search: —					DJM: —														
Track: —					AJM: —														
Lock-On: 6					BJM: —														
Guns: Two 20 mm M3					Technology:					Load Point Limits: CL : < 5									
To Hit: 6/4/3					None					1/2: < 9									
Ammunition: 5.5										Weight Limit: 4,000 DT : ≥ 9									
Gunsight: TT+0/HT+1/BT+2										Station Limit Allowed Loads									
Ranging: RE										1 and 6 1,000 BB RK RG FT									
AtA/AtG: 3/4*										2–3 and 4–5 500 BB RK RP IRM									
Bomb System: Manual										Load Notes:									
										1. May use AIM-9B IRMs and AGM-12 RGs from 1958.									
Notes:																			
1.																			
2. High transonic drag (HTD).																			
VPs: 12/8/4/2										v3 0000000 0000-00-00T00:00:00									

TF-9J Cougar										Crew: Pilot and Observer									
										Maneuver DPs:									
LR/DR 1.5																			
VR 0.5																			
Turn DPs:																			
Power APs/DPs: ○					Cruise Spd. CL: 5.0					Restr. Arcs: —									
CL 1/2 DT Fuel					Climb Spd.: 3.5					Blind Arcs: 30–									
AB — — — —					Visibility: 5					Internal Fuel: 345									
M 1.5 1.0 1.0 1.0					Size: +0					AtA Refuel: Yes									
N 0.0 0.0 0.0 0.5					Vulnerability: +0					Ejection Seat: Early									
I 1.0 1.0 1.0 0.0																			
SPBR 1.0 1.0 2.0 —																			
Speeds and Ceilings										Climb Capabilities									
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT					
Band Ceil.		42		38		34		Speed		AB Oth		AB Oth		AB Oth					
EH+ 46+		—		—		—		—		— —		— —		— —		EH+			
VH 36–45		3.0 – 5.5		3.5 – 5.5		—		6.5		— 0.5		— 0.5		— —		VH			
HI 26–35		2.5 – 6.0		3.0 – 5.5		3.5 – 5.0		7.0		— 0.5		— 0.5		— 0.5		HI			
MH 17–25		2.0 – 6.5		2.5 – 6.0		2.5 – 5.5		7.0		— 1.0		— 1.0		— 0.5		MH			
ML 8–16		1.5 – 6.5		2.0 – 6.0		2.0 – 5.5		7.5		— 1.0		— 1.0		— 0.5		ML			
LO 0–7		1.5 – 6.5		1.5 – 6.5		2.0 – 6.0		7.5		— 1.0		— 1.0		— 1.0		LO			
Radar: APG-30A					ECM: IFF					Weapon Stations Diagram:									
ECCM: —					RWR: —														
Arcs: —					DDS: —														
Search: —					DJM: —														
Track: —					AJM: —														
Lock-On: 6					BJM: —														
Guns: Two 20 mm M3					Technology:					Load Point Limits: CL : < 5									
To Hit: 6/4/3					None					1/2: < 9									
Ammunition: 5.5										Weight Limit: 4,000 DT : ≥ 9									
Gunsight: TT+0/HT+1/BT+2										Station Limit Allowed Loads									
Ranging: RE										1 and 6 1,000 BB RK RG FT									
AtA/AtG: 3/4*										2–3 and 4–5 500 BB RK RP IRM									
Bomb System: Manual										Load Notes:									
										1. May use AIM-9B IRMs and AGM-12 RGs from 1958.									
Notes:																			
1.																			
2. High transonic drag (HTD).																			
										VPs: 12/8/4/2									
										v3 0000000 0000-00-00T00:00:00									