

Republic F-105 Thunderchief

- F-105B
- F-105D
- F-105D (Thunderstick II)
- F-105F (Early Wild Weasel)
- F-105F (Late Wild Weasel)
- F-105G (Early Wild Weasel)
- F-105G (Late Wild Weasel)

F-105B Thunderchief										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	2.0	2.0	1.5	9.0	TT	1.5	1.5	1.5						
M	1.0	1.0	1.0	2.0	HT	2.0	2.5	2.5						
N	0.0	0.0	0.0	1.0	BT	2.5	3.0	3.0						
I	1.0	1.0	1.0	0.0	ET	—	—	—						
SPBR	1.0	1.0	2.0	—										
Smoker in military power (SMP).					Cruise Spd. CL: 5.5					Restr. Arcs: -				
					Climb Spd.: 4.5					Blind Arcs: 60–				
					Visibility: 7					Internal Fuel: 375				
					Size: +0					AtA Refuel: Yes				
					Vulnerability: +1					Ejection Seat: Std				
Speeds and Ceilings							Climb Capabilities							
Alt.	Conf.	CL		1/2		DT	Dive	CL		1/2		DT		
Band	Ceil.	48		38		32	Speed	AB	Oth	AB	Oth	AB	Oth	
EH+	46+	5.0 – 13.0		—		—	14.0	1.0	0.5	—	—	—	—	
VH	36–45	4.0 – 13.5		4.0 – 11.0		—	14.0	2.0	0.5	1.0	0.5	—	—	
HI	26–35	3.0 – 12.0		3.5 – 10.0		4.0 – 9.0	14.0	3.0	1.0	2.0	0.5	1.0	0.5	
MH	17–25	2.5 – 11.0		3.0 – 9.0		3.5 – 8.0	13.0	4.0	1.0	3.0	1.0	1.0	0.5	
ML	8–16	2.5 – 10.0		3.0 – 8.0		3.0 – 7.0	11.0	4.0	1.0	3.0	1.0	1.5	0.5	
LO	0–7	2.0 – 8.5		2.5 – 7.5		2.5 – 6.0	9.5	5.0	2.0	3.0	1.0	2.0	1.0	
EH+														
VH														
HI														
MH														
ML														
LO														
Radar:					APG-31					ECM:				
ECCM:					—					RWR:				
Arcs:					—					DDS:				
Search:					—					DJM:				
Track:					—					AJM:				
Lock-On:					7					BJM:				
Guns:					20 mm M61 Vulcan					Technology:				
To Hit:					7/5/3					None				
Ammunition:					5.0									
Gunsight:					TT+0/HT+1/BT+2									
Ranging:					RE									
AtA/AtG:					6/8*									
Bomb System:					Manual									
Notes:										Load Notes:				
1.										1. Station 3 is the internal bomb bay. These guns may carry two nuclear BBs or a special 350 gal (1300L) FT.				
2. Low transonic drag (LTD). Rapid acceleration (RA) if CL.										2. Station 4 is the external centerline pylon. These guns may not be used if weapons are carried in the internal bomb bay.				
										3. May only use AIM-9 IRMs, AGM-45 ARMs, and AGM-12 RGs.				
										</				

Radar: R-14A ECCM: 0 Arcs: 180+ Search: 60-15 Track: 40-10 Lock-On: 6	ECM: IFF RWR: — DDS: — DJM: — AJM: — BJM: —	Weapon Stations Diagram:															
Guns: 20 mm M61 Vulcan To Hit: 7/5/3 Ammunition: 5.0 Gunsight: TT+0/HT+1/BT+2 Ranging: RE AtA/AtG: 6/8*	Technology: None	Load Point Limits: CL : < 5 1/2: <13 Weight Limit: 14,000 DT : ≥13															
Bomb System: Ballistic		<table border="1"> <thead> <tr> <th>Station</th> <th>Limit</th> <th>Allowed Loads</th> </tr> </thead> <tbody> <tr> <td>1 and 6</td> <td>1,000</td> <td>BB RP RG EP ARM IRM MDR</td> </tr> <tr> <td>2 and 5</td> <td>3,500</td> <td>BB RP RG WR FT</td> </tr> <tr> <td>3</td> <td>3,000</td> <td>Nuc. BB FT</td> </tr> <tr> <td>4</td> <td>5,000</td> <td>BB RP WR FT</td> </tr> </tbody> </table>	Station	Limit	Allowed Loads	1 and 6	1,000	BB RP RG EP ARM IRM MDR	2 and 5	3,500	BB RP RG WR FT	3	3,000	Nuc. BB FT	4	5,000	BB RP WR FT
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1 and 6	1,000	BB RP RG EP ARM IRM MDR															
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Notes: 1. 2. Low transonic drag (LTD). Rapid acceleration (RA) if CL. 3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90).		Load Notes: 1. Station 3 is the internal bomb bay. These guns may carry two nuclear BBs or a special 350 gal (1300L) FT. 2. Station 4 is the external centerline pylon. These guns may not be used if weapons are carried in the internal bomb bay. 3. May only use AIM-9 IRMs, AGM-45 ARMs, and AGM-12 RGs.															
VPs: 24/16/8/4		v3 0000000 0000-00-00T00:00:00															

Radar: R-14A ECCM: 0 Arcs: 180+ Search: 60-15 Track: 40-10 Lock-On: 6	ECM: IFF RWR: A DDS: A DJM: — AJM: — BJM: —	Weapon Stations Diagram:											
Guns: 20 mm M61 Vulcan To Hit: 7/5/3 Ammunition: 5.0 Gunsight: TT+0/HT+1/BT+2 Ranging: RE AtA/AtG: 6/8*	Technology: None												
Bomb System: Manual	Notes: 1. 2. Low transonic drag (LTD). Rapid acceleration (RA) if CL. 3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90). 4. Internal fuel includes 350 gal fuel tank in bomb bay.	Load Point Limits: CL : < 5 1/2: <11 Weight Limit: 12,500 DT : ≥11											
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3	5,000	BB RP WR EP FT											
VPs: 24/16/8/4		v3 0000000 0000-00-00T00:00:00											

F-105F Thunderchief (Late Wild Weasel)									Crew: Pilot							
									Maneuver DPs:							
LR/DR		1.5														
VR		0.5														
Turn DPs:																
CL		1/2		DT												
TT		1.5		1.5												
HT		2.0		2.5												
BT		2.5		3.0												
ET		—		—												
Power APs/DPs: ○					Cruise Spd. CL: 5.5				Restr. Arcs: -							
CL 1/2 DT Fuel					Climb Spd.: 4.5				Blind Arcs: 60–							
AB 2.5 2.0 2.0 9.0					Visibility: 7				Internal Fuel: 500							
M 1.0 1.0 1.0 2.0					Size: +0				AtA Refuel: Yes							
N 0.0 0.0 0.0 1.0					Vulnerability: +1				Ejection Seat: Std							
I 1.0 1.0 1.0 0.0																
SPBR 1.0 1.0 2.0 —																
Smoker in military power (SMP).																
Speeds and Ceilings						Climb Capabilities										
Alt. Band	Conf. Ceil.	CL 48		1/2 38		DT 32		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		
EH+	46+	5.0 – 13.0		—		—		14.0		1.0 0.5		— —		— —		EH+
VH	36–45	4.0 – 13.5		4.0 – 11.0		—		14.0		2.0 0.5		1.0 0.5		— —		VH
HI	26–35	3.0 – 12.0		3.5 – 10.0		4.0 – 9.0		14.0		3.0 1.0		2.0 0.5		1.0 0.5		HI
MH	17–25	2.5 – 11.0		3.0 – 9.0		3.5 – 8.0		13.0		4.0 1.0		3.0 1.0		1.0 0.5		MH
ML	8–16	2.5 – 10.0		3.0 – 8.0		3.0 – 7.0		11.0		4.0 1.0		3.0 1.0		1.5 0.5		ML
LO	0–7	2.0 – 8.5		2.5 – 7.5		2.5 – 6.0		9.5		5.0 2.0		3.0 1.0		2.0 1.0		LO

Radar: R-14A ECCM: 0 Arcs: 180+ Search: 60-15 Track: 40-10 Lock-On: 6	ECM: IFF RWR: B DDS: A DJM: — AJM: — BJM: —	Weapon Stations Diagram:												
Guns: 20 mm M61 Vulcan To Hit: 7/5/3 Ammunition: 5.0 Gunsight: TT+0/HT+1/BT+2 Ranging: RE AtA/AtG: 6/8*	Technology: None	Load Point Limits: CL : < 5 1/2: <11 Weight Limit: 12,500 DT : ≥11												
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 5</td> <td>1,000</td> <td>BB RP RG WR EP MDR IRM ARM</td> </tr> <tr> <td>2 and 4</td> <td>3,500</td> <td>BB RP RG WR EP ADR ARM FT</td> </tr> <tr> <td>3</td> <td>5,000</td> <td>BB RP WR EP FT</td> </tr> </tbody> </table>	Station	Limit	Allowed Loads	1 and 5	1,000	BB RP RG WR EP MDR IRM ARM	2 and 4	3,500	BB RP RG WR EP ADR ARM FT	3	5,000	BB RP WR EP FT
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1 and 5	1,000	BB RP RG WR EP MDR IRM ARM												
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3	5,000	BB RP WR EP FT												
Notes: 1. 2. Low transonic drag (LTD). Rapid acceleration (RA) if CL. 3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90). 4. Internal fuel includes 350 gal fuel tank in bomb bay.		Load Notes: 1. May only use AIM-9 IRMs, AGM-45 and AGM-78 ARMs, and AGM-12 RGs.												
VPs: 24/16/8/4		v3 0000000 0000-00-00T00:00:00												

F-105G Thunderchief (Early Wild Weasel)										Crew: Pilot							
										Maneuver DPs:							
LR/DR		1.5															
VR		0.5															
Turn DPs:																	
Power APs/DPs: ○					Cruise Spd. CL: 5.5 Restr. Arcs: - Climb Spd.: 4.5 Blind Arcs: 60– Visibility: 7 Internal Fuel: 500 Size: +0 AtA Refuel: Yes Vulnerability: +1 Ejection Seat: Std					CL		1/2		DT			
CL 1/2 DT Fuel										TT		1.5		1.5		1.5	
AB 2.5 2.0 2.0 9.0					HT 2.0 2.5 2.5 BT 2.5 3.0 3.0 ET — — —												
M 1.0 1.0 1.0 2.0																	
N 0.0 0.0 0.0 1.0																	
I 1.0 1.0 1.0 0.0																	
SPBR 1.0 1.0 2.0 —																	
Smoker in military power (SMP).																	
Speeds and Ceilings						Climb Capabilities											
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT			
Band Ceil.		48		38		32		Speed		AB Oth		AB Oth		AB Oth			
EH+ 46+		5.0 – 13.0		—		—		14.0		1.0 0.5		— —		— —		EH+	
VH 36–45		4.0 – 13.5		4.0 – 11.0		—		14.0		2.0 0.5		1.0 0.5		— —		VH	
HI 26–35		3.0 – 12.0		3.5 – 10.0		4.0 – 9.0		14.0		3.0 1.0		2.0 0.5		1.0 0.5		HI	
MH 17–25		2.5 – 11.0		3.0 – 9.0		3.5 – 8.0		13.0		4.0 1.0		3.0 1.0		1.0 0.5		MH	
ML 8–16		2.5 – 10.0		3.0 – 8.0		3.0 – 7.0		11.0		4.0 1.0		3.0 1.0		1.5 0.5		ML	
LO 0–7		2.0 – 8.5		2.5 – 7.5		2.5 – 6.0		9.5		5.0 2.0		3.0 1.0		2.0 1.0		LO	

Radar:	R-14A	ECM:	IFF	Weapon Stations Diagram:	
ECCM:	0	RWR:	B		
Arcs:	180+	DDS:	B		
Search:	60–15	DJM:	A3		
Track:	40–10	AJM:	A3		
Lock-On:	6	BJM:	—		
Guns:	20 mm M61 Vulcan	Technology: None	Load Point Limits:		CL : < 5
To Hit:	7/5/3				1/2: <11
Ammunition:	5.0		Weight Limit:	12,500	DT : ≥11
Gunsight:	TT+0/HT+1/BT+2				
Ranging:	RE				
AtA/AtG:	6/8*				
Bomb System:	Ballistic				
Notes: 1. 2. Low transonic drag (LTD). Rapid acceleration (RA) if CL. 3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90). 4. Internal fuel includes 350 gal fuel tank in bomb bay.			Load Notes: 1. May only use AIM-9 IRMs, AGM-45 and AGM-78 ARMs, and AGM-12 RGs.		
			VPs: 24/16/8/4		v3 0000000 0000-00-00T00:00:00

F-105G Thunderchief (Late Wild Weasel)										Crew: Pilot						
										Maneuver DPs:						
LR/DR		1.5														
VR		0.5														
Turn DPs:																
					CL		1/2		DT							
TT					1.5		1.5		1.5							
HT					2.0		2.5		2.5							
BT					2.5		3.0		3.0							
ET					—		—		—							
Power APs/DPs: ○					Cruise Spd. CL: 5.5		Restr. Arcs: -									
					Climb Spd.: 4.5		Blind Arcs: 60–									
					Visibility: 7		Internal Fuel: 500									
					Size: +0		AtA Refuel: Yes									
SPBR 1.0 1.0 2.0 —					Vulnerability: +1		Ejection Seat: Std									
Smoker in military power (SMP).																
Speeds and Ceilings							Climb Capabilities									
Alt. Band	Conf. Ceil.	CL 48		1/2 38		DT 32		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		
EH+	46+	5.0 – 13.0		—		—		14.0		1.0 0.5		— —		— —		EH+
VH	36–45	4.0 – 13.5		4.0 – 11.0		—		14.0		2.0 0.5		1.0 0.5		— —		VH
HI	26–35	3.0 – 12.0		3.5 – 10.0		4.0 – 9.0		14.0		3.0 1.0		2.0 0.5		1.0 0.5		HI
MH	17–25	2.5 – 11.0		3.0 – 9.0		3.5 – 8.0		13.0		4.0 1.0		3.0 1.0		1.0 0.5		MH
ML	8–16	2.5 – 10.0		3.0 – 8.0		3.0 – 7.0		11.0		4.0 1.0		3.0 1.0		1.5 0.5		ML
LO	0–7	2.0 – 8.5		2.5 – 7.5		2.5 – 6.0		9.5		5.0 2.0		3.0 1.0		2.0 1.0		LO

Radar:	R-14A	ECM:	IFF	Weapon Stations Diagram:	
ECCM:	0	RWR:	C		
Arcs:	180+	DDS:	B		
Search:	60–15	DJM:	A3		
Track:	40–10	AJM:	B4		
Lock-On:	6	BJM:	—		
Guns:	20 mm M61 Vulcan	Technology: None	Load Point Limits:		CL : < 5
To Hit:	7/5/3				1/2: <11
Ammunition:	5.0		Weight Limit:	12,500	DT : ≥11
Gunsight:	TT+0/HT+1/BT+2		Station	Limit	Allowed Loads
Ranging:	RE		1 and 5	1,000	BB RP RG WR EP MDR IRM ARM
AtA/AtG:	6/8*	2 and 4	3,500	BB RP RG WR EP ADR ARM FT	
Bomb System:	Ballistic	3	5,000	BB RP WR EP FT	
Notes: 1. 2. Low transonic drag (LTD). Rapid acceleration (RA) if CL. 3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90). 4. Internal fuel includes 350 gal fuel tank in bomb bay.			Load Notes: 1. May only use AIM-9 IRMs, AGM-45 and AGM-78 ARMs, and AGM-12 RGs.		
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