

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 HFPs/DPs:							
LR/DR		1.0		1.0													
VR				0.0													
Turn DPs:		CL		1/2						DT							
TT		2.0		2.0		2.0											
HT		3.0		4.0		4.0											
BT		4.0		5.0		5.0											
ET		—		—		—											
Power APs/DPs: ○					Cruise Spd. CL: 5.5					Restr. Arcs: -							
CL 1/2 DT Fuel					Climb Spd.: 4.5					Blind Arcs: 60–							
AB 2.0 2.0 1.5 9.0					Visibility: 7					Internal Fuel: 375							
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. 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: APG-31					ECM: IFF					Weapon Stations Diagram:							
ECCM: —					RWR: —												
Arcs: —					DDS: —												
Search: —					DJM: —												
Track: —					AJM: —												
Lock-On: 7					BJM: —												
Guns: 20 mm M61 Vulcan					Technology:					Load Point Limits:							
To Hit: 7/5/3					None					CL : 0–4							
Ammunition: 5.0										1/2: 5–12							
Gunsight: TT+0/HT+1/BT+2										Weight Limit: 14,000							
Ranging: RE										DT : 13+							
AtA/AtG: 6/8*										Station Limit Allowed Loads							
Bomb System: Manual										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							
										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: 22/15/7/4							
										v2 0000000 0000-00-00T00:00:00							

F-105D Thunderchief										Crew: Pilot																			
										Maneuver HFPs/DPs:																			
LR/DR		1.0		1.0																									
VR				0.0																									
Power APs/DPs: ○										Turn DPs:																			
CL		1/2		DT		Fuel		CL		1/2		DT																	
AB		2.5		2.0		2.0		9.0		TT		2.0		2.0		2.0													
M		1.0		1.0		1.0		2.0		HT		3.0		4.0		4.0													
N		0.0		0.0		0.0		1.0		BT		4.0		5.0		5.0													
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		— —		— —		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:					—														
Arcs:					180+					DDS:					—														
Search:					60–15					DJM:					—														
Track:					40–10					AJM:					—														
Lock-On:					6					BJM:					—														
Guns:					20 mm M61 Vulcan					Technology:					Load Point Limits:					CL : 0–4									
To Hit:					7/5/3					None										1/2: 5–12									
Ammunition:					5.0										Weight Limit:					14,000					DT : 13+				
Gunsight:					TT+0/HT+1/BT+2										Station					Limit					Allowed Loads				
Ranging:					RE										1 and 6					1,000					BB RP RG EP ARM IRM MDR				
AtA/AtG:					6/8*										2 and 5					3,500					BB RP RG WR FT				
															3					3,000					Nuc. BB FT				
															4					5,000					BB RP WR FT				
Bomb System:					Manual										Load Notes:														
Notes:										1. Station 3 is the internal bomb bay. These guns may carry two nuclear BBs or a special 350 gal (1300L) FT.																			
1.										2. Station 4 is the external centerline pylon. These guns may not be used if weapons are carried in the internal bomb bay.																			
2. Low transonic drag (LTD). Rapid acceleration (RA) if CL.										3. May only use AIM-9 IRMs, AGM-45 ARMs, and AGM-12 RGs.																			
3. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90).																													

Radar:	R-14A	ECM:	IFF	Weapon Stations Diagram:		
ECCM:	0	RWR:	—			
Arcs:	180+	DDS:	—			
Search:	60–15	DJM:	—			
Track:	40–10	AJM:	—			
Lock-On:	6	BJM:	—			
Guns:	20 mm M61 Vulcan	Technology:	None	Load Point Limits:	CL : 0–4	
To Hit:	7/5/3			1/2: 5–12		
Ammunition:	5.0			Weight Limit:	14,000	DT : 13+
Gunsight:	TT+0/HT+1/BT+2			Station	Limit	Allowed Loads
Ranging:	RE			1 and 6	1,000	BB RP RG EP ARM IRM MDR
AtA/AtG:	6/8*		2 and 5	3,500	BB RP RG WR FT	
Bomb System:	Ballistic		3	3,000	Nuc. BB FT	
			4	5,000	BB RP WR FT	
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. Radar in air-to-ground mode has: Gr. Nav. (180) and Gr. Attack (90).			3. May only use AIM-9 IRMs, AGM-45 ARMs, and AGM-12 RGs.			

F-105F Thunderchief (Late Wild Weasel)										Crew: Pilot				
										Maneuver HFPs/DPs:				
LR/DR		1.0		1.0										
VR				0.0										
Power APs/DPs: ○				Turn DPs:										
CL	1/2	DT	Fuel	Cruise Spd. CL: 5.5 Climb Spd.: 4.5 Visibility: 7 Size: +0 Vulnerability: +1	Restr. Arcs: - Blind Arcs: 60– Internal Fuel: 500 AtA Refuel: Yes Ejection Seat: Std	TT	CL	1/2	DT					
AB	2.5	2.0	2.0			9.0	HT	2.0	2.0	2.0				
M	1.0	1.0	1.0			2.0	BT	3.0	4.0	4.0				
N	0.0	0.0	0.0			1.0	ET	4.0	5.0	5.0				
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. 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 : 0–4 1/2: 5–10 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												
		v2 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: B DDS: B DJM: A3 AJM: A3 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: Ballistic	Load Point Limits: CL : 0-4 1/2: 5-10 Weight Limit: 12,500 DT : 11+	<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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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		v2 0000000 0000-00-00T00:00:00												

F-105G Thunderchief (Late Wild Weasel)										Crew: Pilot			
										Maneuver HFPs/DPs:			
LR/DR		1.0		1.0									
VR				0.0									
Power APs/DPs:				Turn DPs:									
CL	1/2	DT	Fuel					CL	1/2	DT			
AB	2.5	2.0	2.0	9.0				TT	2.0	2.0	2.0		
M	1.0	1.0	1.0	2.0				HT	3.0	4.0	4.0		
N	0.0	0.0	0.0	1.0				BT	4.0	5.0	5.0		
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: 500								
					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	—	—	—	—	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: C DDS: B DJM: A3 AJM: B4 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 : 0–4 1/2: 5–10 Weight Limit: 12,500 DT : 11+												
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 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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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												
		v2 0000000 0000-00-00T00:00:00												