

North American A3J/A-5 Vigilante

- A3J-1
- A-5A
- A3J-2
- A-5B
- A3J-3P
- RA-5C
- RA-5C (1967 Upgrade)
- RA-5C (1971 Upgrade)

Radar: ASB-12 ECCM: 0 Arcs: 180+ Search: Gr. Nav. (420) Track: Gr. Attack (90) Lock-On: 7	ECM: IFF RWR: — DDS: — DJM: — AJM: — BJM: —	Weapon Stations Diagram:									
Guns: — To Hit: — Ammunition: — Gunsight: — Ranging: — AtA/AtG: —	Technology: Terrain Following-A	Load Point Limits: CL : 0–2 1/2: 3–10 Weight Limit: 12,000 DT : 11+									
Bomb System: Ballistic computed		<table border="1"> <thead> <tr> <th>Station</th> <th>Limit</th> <th>Allowed Loads</th> </tr> </thead> <tbody> <tr> <td>1 and 3</td> <td>3,200</td> <td>BB RP RG WR FT</td> </tr> <tr> <td>2</td> <td>0</td> <td>Nuc BB FT</td> </tr> </tbody> </table> <p>Load Notes:</p> <ol style="list-style-type: none"> Station 2 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L). May only use AGM-12 RGs. 	Station	Limit	Allowed Loads	1 and 3	3,200	BB RP RG WR FT	2	0	Nuc BB FT
Station	Limit	Allowed Loads									
1 and 3	3,200	BB RP RG WR FT									
2	0	Nuc BB FT									
Notes: <ol style="list-style-type: none"> Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). Bomb system is computed for level or radar bombing and ballistic otherwise. 		VPs: 32/21/11/5									
		v1 0000000 0000-00-00T00:00:00									

A-5A Vigilante										Crew: Pilot and Navigator									
										Maneuver HFPs/DPs:									
LR/DR		1.0		2.0															
VR				1.0															
Power APs/DPs/FPs: ○○										Turn DPs:									
CL		1/2		DT		Fuel		CL		1/2		DT							
AB		2.0		1.5		1.5		12.0		TT		1.0		1.0		1.0			
M		1.0		1.0		1.0		4.0		HT		2.0		2.0		2.0			
N		0.0		0.0		0.0		2.0		BT		3.0		4.0		4.0			
I		0.5		0.5		0.5		0.0		ET		—		—		—			
SPBR		0.5		0.5		0.5		—											
Smoker in military power (SMP).					Cruise Speed: 5.5					Restr. Arcs: 90–									
					Climb Speed: 4.5					Blind Arcs: 60–									
					Visibility: 8					Internal Fuel: 720									
					Size: +0					AtA Refuel: No									
					Vulnerability: +0					Ejection Seat: Std									
Speeds and Ceilings										Climb Capabilities									
Alt. Band		Conf. Ceil.		CL 62		1/2 58		DT 48		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		Alt. Band	
EH+		46+		4.0 – 12.5		4.5 – 10.5		5.0 – 10.0		14.0		2.0 0.5		1.0 0.5		1.0 0.5		EH+	
VH		36–45		3.5 – 13.5		4.0 – 11.5		4.0 – 10.5		14.0		2.0 0.5		1.0 0.5		1.0 0.5		VH	
HI		26–35		3.0 – 11.5		3.5 – 10.0		3.5 – 9.0		12.0		3.0 1.0		2.0 0.5		1.0 0.5		HI	
MH		17–25		2.5 – 9.5		3.0 – 8.5		3.0 – 8.0		10.0		3.0 1.0		2.0 1.0		2.0 0.5		MH	
ML		8–16		2.0 – 7.5		2.5 – 7.0		2.5 – 6.5		8.0		4.0 2.0		3.0 1.0		2.0 1.0		ML	
LO		0–7		2.0 – 7.0		2.5 – 6.5		2.5 – 6.0		7.5		4.0 2.0		3.0 1.0		2.0 1.0		LO	
Radar: ASB-12					ECM: IFF					Weapon Stations Diagram:									
ECCM: 0					RWR: —														
Arcs: 180+					DDS: —														
Search: Gr. Nav. (420)					DJM: —														
Track: Gr. Attack (90)					AJM: —														
Lock-On: 7					BJM: —														
Guns: —					Technology:					Load Point Limits: CL : 0–2									
To Hit: —					Terrain Following-A					1/2: 3–10									
Ammunition: —										Weight Limit: 12,000 DT : 11+									
Gunsight: —										Station Limit Allowed Loads									
Ranging: —										1 and 3 3,200 BB RP RG WR FT									
AtA/AtG: —										2 0 Nuc BB FT									
Bomb System: Ballistic computed										Load Notes:									
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Bomb system is computed for level or radar bombing and ballistic otherwise.										1. Station 2 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L).									
										2. May only use AGM-12 RGs.									
VPs: 32/21/11/5										v1 0000000 0000-00-00T00:00:00									

A3J-2 Vigilante										Crew: Pilot and Navigator									
										Maneuver HFPs/DPs:									
LR/DR		1.0		2.0															
VR				1.0															
Power APs/DPs/FPs: ○○										Turn DPs:									
CL		1/2		DT		Fuel		CL		1/2		DT							
AB		2.0		1.5		1.5		12.0		TT		1.0		1.0		1.0			
M		1.0		1.0		1.0		4.0		HT		2.0		2.0		2.0			
N		0.0		0.0		0.0		2.0		BT		3.0		4.0		4.0			
I		0.5		0.5		0.5		0.0		ET		—		—		—			
SPBR		0.5		0.5		0.5		—											
Smoker in military power (SMP).					Cruise Speed: 5.5					Restr. Arcs: 90–									
					Climb Speed: 4.5					Blind Arcs: 60–									
					Visibility: 8					Internal Fuel: 880									
					Size: +0					AtA Refuel: No									
					Vulnerability: +0					Ejection Seat: Std									
Speeds and Ceilings										Climb Capabilities									
Alt. Band		Conf. Ceil.		CL 62		1/2 58		DT 48		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		Alt. Band	
EH+		46+		4.0 – 12.5		4.5 – 10.5		5.0 – 10.0		14.0		2.0 0.5		1.0 0.5		1.0 0.5		EH+	
VH		36–45		3.5 – 13.5		4.0 – 11.5		4.0 – 10.5		14.0		2.0 0.5		1.0 0.5		1.0 0.5		VH	
HI		26–35		3.0 – 11.5		3.5 – 10.0		3.5 – 9.0		12.0		3.0 1.0		2.0 0.5		1.0 0.5		HI	
MH		17–25		2.5 – 9.5		3.0 – 8.5		3.0 – 8.0		10.0		3.0 1.0		2.0 1.0		2.0 0.5		MH	
ML		8–16		2.0 – 7.5		2.5 – 7.0		2.5 – 6.5		8.0		4.0 2.0		3.0 1.0		2.0 1.0		ML	
LO		0–7		2.0 – 7.0		2.5 – 6.5		2.5 – 6.0		7.5		4.0 2.0		3.0 1.0		2.0 1.0		LO	
Radar: ASB-12					ECM: IFF					Weapon Stations Diagram:									
ECCM: 0					RWR: —														
Arcs: 180+					DDS: —														
Search: Gr. Nav. (420)					DJM: —														
Track: Gr. Attack (90)					AJM: —														
Lock-On: 7					BJM: —														
Guns: —					Technology:					Load Point Limits: CL : 0–2									
To Hit: —					Terrain Following-A					1/2: 3–10									
Ammunition: —										Weight Limit: 12,000 DT : 11+									
Gunsight: —																			
Ranging: —																			
AtA/AtG: —																			
Bomb System: Ballistic computed										Station Limit Allowed Loads									
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Bomb system is computed for level or radar bombing and ballistic otherwise.										1 and 5 3,200 BB RP RG WR FT									
										2 and 3 3,200 BB RP RG WR FT									
										3 0 Nuc BB FT									
										Load Notes:									
										1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L). 2. May only use AGM-12 RGs.									
VPs: 32/21/11/5										v1.0000000 0000-00-00T00:00:00									

A-5B Vigilante										Crew: Pilot and Navigator																			
										Maneuver HFPs/DPs:																			
LR/DR		1.0		2.0																									
VR				1.0																									
Power APs/DPs/FPs: ○○										Turn DPs:																			
CL		1/2		DT		Fuel		CL		1/2		DT																	
AB		2.0		1.5		1.5		12.0		TT		1.0																	
M		1.0		1.0		1.0		4.0		HT		2.0																	
N		0.0		0.0		0.0		2.0		BT		3.0																	
I		0.5		0.5		0.5		0.0		ET		—																	
SPBR		0.5		0.5		0.5		—																					
Smoker in military power (SMP).					Cruise Speed: 5.5					Restr. Arcs: 90—																			
					Climb Speed: 4.5					Blind Arcs: 60—																			
					Visibility: 8					Internal Fuel: 880																			
					Size: +0					AtA Refuel: No																			
					Vulnerability: +0					Ejection Seat: Std																			
Speeds and Ceilings						Climb Capabilities																							
Alt. Band		Conf. Ceil.		CL 62		1/2 58		DT 48		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		Alt. Band											
EH+		46+		4.0 – 12.5		4.5 – 10.5		5.0 – 10.0		14.0		2.0 0.5		1.0 0.5		1.0 0.5		EH+											
VH		36–45		3.5 – 13.5		4.0 – 11.5		4.0 – 10.5		14.0		2.0 0.5		1.0 0.5		1.0 0.5		VH											
HI		26–35		3.0 – 11.5		3.5 – 10.0		3.5 – 9.0		12.0		3.0 1.0		2.0 0.5		1.0 0.5		HI											
MH		17–25		2.5 – 9.5		3.0 – 8.5		3.0 – 8.0		10.0		3.0 1.0		2.0 1.0		2.0 0.5		MH											
ML		8–16		2.0 – 7.5		2.5 – 7.0		2.5 – 6.5		8.0		4.0 2.0		3.0 1.0		2.0 1.0		ML											
LO		0–7		2.0 – 7.0		2.5 – 6.5		2.5 – 6.0		7.5		4.0 2.0		3.0 1.0		2.0 1.0		LO											
Radar:					ASB-12					ECM:					IFF					Weapon Stations Diagram:									
ECCM:					0					RWR:					—														
Arcs:					180+					DDS:					—														
Search:					Gr. Nav. (420)					DJM:					—														
Track:					Gr. Attack (90)					AJM:					—														
Lock-On:					7					BJM:					—														
Guns:					—					Technology:					Load Point Limits:					CL : 0–2									
To Hit:					—					Terrain Following-A										1/2: 3–10									
Ammunition:					—										Weight Limit:					12,000					DT : 11+				
Gunsight:					—										Station					Limit					Allowed Loads				
Ranging:					—										1 and 5					3,200					BB RP RG WR FT				
AtA/AtG:					—										2 and 3					3,200					BB RP RG WR FT				
Bomb System:					Ballistic computed										3					0					Nuc BB FT				
Notes:															Load Notes:														
1.															1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L).														
2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR).															2. May only use AGM-12 RGs.														
3. Bomb system is computed for level or radar bombing and ballistic otherwise.																													

Radar: ASB-12		ECM: IFF		Weapon Stations Diagram:	
ECCM: 0		RWR: A			
Arcs: 180+		DDS: A			
Search: Gr. Nav. (420)		DJM: A3			
Track: Gr. Attack (90)		AJM: —			
Lock-On: 7		BJM: —			
Guns: —		Technology: Terrain Following-A		Load Point Limits: CL : 0–2	
To Hit: —				1/2: 3–10	
Ammunition: —				Weight Limit: 12,000 DT : 11+	
Gunsight: —					
Ranging: —					
AtA/AtG: —					
Bomb System: Ballistic computed					
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Reconnaissance options include an oblique camera, overhead cameras, IR camera, side-looking radar, and electronic emissions recording equipment. 4. Bomb system is computed for level or radar bombing and ballistic otherwise.					
Load Notes: 1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L). 2. May only use AGM-12 RGs. 3. Although capable of carrying weapons internally and externally, in practice only three internal FTs and no external weapons or FTs were carried. The total fuel in this configuration is 1165.					
VPs: 40/27/13/7				v1.0000000 0000-00-00T00:00:00	

RA-5C Vigilante										Crew: Pilot and Navigator									
										Maneuver HFPs/DPs:									
LR/DR		1.0		2.0															
VR				1.0															
Power APs/DPs/FPs: ○○										Turn DPs:									
CL		1/2		DT		Fuel		CL		1/2		DT							
AB		2.0		1.5		1.5		12.0		TT		1.0		1.0		1.0			
M		1.0		1.0		1.0		4.0		HT		2.0		2.0		2.0			
N		0.0		0.0		0.0		2.0		BT		3.0		4.0		4.0			
I		0.5		0.5		0.5		0.0		ET		—		—		—			
SPBR		0.5		0.5		0.5		—											
Smoker in military power (SMP).					Cruise Speed: 5.5					Restr. Arcs: 90–									
					Climb Speed: 4.5					Blind Arcs: 60–									
					Visibility: 8					Internal Fuel: 880									
					Size: +0					AtA Refuel: No									
					Vulnerability: +0					Ejection Seat: Std									
Speeds and Ceilings										Climb Capabilities									
Alt. Band		Conf. Ceil.		CL 62		1/2 58		DT 48		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		Alt. Band	
EH+		46+		4.0 – 12.5		4.5 – 10.5		5.0 – 10.0		14.0		2.0 0.5		1.0 0.5		1.0 0.5		EH+	
VH		36–45		3.5 – 13.5		4.0 – 11.5		4.0 – 10.5		14.0		2.0 0.5		1.0 0.5		1.0 0.5		VH	
HI		26–35		3.0 – 11.5		3.5 – 10.0		3.5 – 9.0		12.0		3.0 1.0		2.0 0.5		1.0 0.5		HI	
MH		17–25		2.5 – 9.5		3.0 – 8.5		3.0 – 8.0		10.0		3.0 1.0		2.0 1.0		2.0 0.5		MH	
ML		8–16		2.0 – 7.5		2.5 – 7.0		2.5 – 6.5		8.0		4.0 2.0		3.0 1.0		2.0 1.0		ML	
LO		0–7		2.0 – 7.0		2.5 – 6.5		2.5 – 6.0		7.5		4.0 2.0		3.0 1.0		2.0 1.0		LO	

Radar:		ASB-12		ECM:		IFF		Weapon Stations Diagram:									
ECCM:		0		RWR:		A											
Arcs:		180+		DDS:		A											
Search:		Gr. Nav. (420)		DJM:		A3											
Track:		Gr. Attack (90)		AJM:		—											
Lock-On:		7		BJM:		—											
Guns:		—		Technology: Terrain Following-A				Load Point Limits:				CL : 0–2					
To Hit:		—										1/2: 3–10					
Ammunition:		—						Weight Limit:				12,000 DT : 11+					
Gunsight:		—						Station				Limit		Allowed Loads			
Ranging:		—						1 and 5				3,200		BB RP RG WR FT			
AtA/AtG:		—						2 and 3				3,200		BB RP RG WR FT			
Bomb System:		Ballistic computed						3				0		Nuc BB FT			
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Reconnaissance options include an oblique camera, overhead cameras, IR camera, side-looking radar, and electronic emissions recording equipment. 4. Bomb system is computed for level or radar bombing and ballistic otherwise.								Load Notes:									
								1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L).									
								2. May only use AGM-12 RGs.									
								3. Although capable of carrying weapons internally and externally, in practice only three internal FTs and no external weapons or FTs were carried. The total fuel in this configuration is 1165.									
								VPs: 40/27/13/7									
								v1 0000000 0000-00-00T00:00:00									

Radar:	ASB-12	ECM:	IFF	Weapon Stations Diagram:		
ECCM:	0	RWR:	B			
Arcs:	180+	DDS:	A			
Search:	Gr. Nav. (420)	DJM:	B3			
Track:	Gr. Attack (90)	AJM:	—			
Lock-On:	7	BJM:	—			
Guns:	—	Technology: Terrain Following-A		Load Point Limits:	CL : 0–2	
To Hit:	—				1/2: 3–10	
Ammunition:	—			Weight Limit:	12,000	DT : 11+
Gunsight:	—			Station	Limit	Allowed Loads
Ranging:	—			1 and 5	3,200	BB RP RG WR FT
AtA/AtG:	—			2 and 3	3,200	BB RP RG WR FT
Bomb System:	Ballistic computed		3	0	Nuc BB FT	
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Reconnaissance options include an oblique camera, overhead cameras, IR camera, side-looking radar, and electronic emissions recording equipment. 4. Bomb system is computed for level or radar bombing and ballistic otherwise.				Load Notes:		
				1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L).		
				2. May only use AGM-12 RGs.		
				3. Although capable of carrying weapons internally and externally, in practice only three internal FTs and no external weapons or FTs were carried. The total fuel in this configuration is 1165.		
VPs: 40/27/13/7				v1 00000000 0000-00-00T00:00:00		

<div>RA-5C Vigilante</div> <div>(1971 Upgrade)</div>									Crew: Pilot and Navigator							
									Maneuver HFPs/DPs:							
LR/DR		1.0		2.0												
VR				1.0												
Power APs/DPs/FPs: ○○				Turn DPs:												
CL	1/2	DT	Fuel		CL	1/2	DT									
AB	2.0	1.5	1.5	12.0												
M	1.0	1.0	1.0	4.0												
N	0.0	0.0	0.0	2.0												
I	0.5	0.5	0.5	0.0												
SPBR	0.5	0.5	0.5	—												
Smoker in military power (SMP).					Cruise Speed:	5.5	Restr. Arcs:	90—								
					Climb Speed:	4.5	Blind Arcs:	60—								
					Visibility:	8	Internal Fuel:	880								
					Size:	+0	AtA Refuel:	No								
					Vulnerability:	+0	Ejection Seat:	Std								
Speeds and Ceilings							Climb Capabilities									
Alt. Band	Conf. Ceil.	CL 62		1/2 58		DT 48		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		Alt. Band
EH+	46+	4.0 – 12.5		4.5 – 10.5		5.0 – 10.0		14.0		2.0 0.5		1.0 0.5		1.0 0.5		EH+
VH	36–45	3.5 – 13.5		4.0 – 11.5		4.0 – 10.5		14.0		2.0 0.5		1.0 0.5		1.0 0.5		VH
HI	26–35	3.0 – 11.5		3.5 – 10.0		3.5 – 9.0		12.0		3.0 1.0		2.0 0.5		1.0 0.5		HI
MH	17–25	2.5 – 9.5		3.0 – 8.5		3.0 – 8.0		10.0		3.0 1.0		2.0 1.0		2.0 0.5		MH
ML	8–16	2.0 – 7.5		2.5 – 7.0		2.5 – 6.5		8.0		4.0 2.0		3.0 1.0		2.0 1.0		ML
LO	0–7	2.0 – 7.0		2.5 – 6.5		2.5 – 6.0		7.5		4.0 2.0		3.0 1.0		2.0 1.0		LO

Radar:	ASB-12	ECM:	IFF	Weapon Stations Diagram:												
ECCM:	0	RWR:	B													
Arcs:	180+	DDS:	A													
Search:	Gr. Nav. (420)	DJM:	B4													
Track:	Gr. Attack (90)	AJM:	—													
Lock-On:	7	BJM:	—													
Guns:	—	Technology:		Load Point Limits:												
To Hit:	—	Terrain Following-A		CL : 0–2												
Ammunition:	—			1/2: 3–10												
Gunsight:	—			Weight Limit: 12,000 DT : 11+												
Ranging:	—															
AtA/AtG:	—															
Bomb System:	Ballistic computed			<table><tr><td>Station</td><td>Limit</td><td>Allowed Loads</td></tr><tr><td>1 and 5</td><td>3,200</td><td>BB RP RG WR FT</td></tr><tr><td>2 and 3</td><td>3,200</td><td>BB RP RG WR FT</td></tr><tr><td>3</td><td>0</td><td>Nuc BB FT</td></tr></table>	Station	Limit	Allowed Loads	1 and 5	3,200	BB RP RG WR FT	2 and 3	3,200	BB RP RG WR FT	3	0	Nuc BB FT
Station	Limit	Allowed Loads														
1 and 5	3,200	BB RP RG WR FT														
2 and 3	3,200	BB RP RG WR FT														
3	0	Nuc BB FT														
Notes: 1. 2. Good supersonic maneuverability (GSSM). Rapid acceleration (RA). Rapid power response (RPR). 3. Reconnaissance options include an oblique camera, overhead cameras, IR camera, side-looking radar, and electronic emissions recording equipment. 4. Bomb system is computed for level or radar bombing and ballistic otherwise.				Load Notes: 1. Station 3 is the internal weapons tube. It can carry one nuclear BB and two FTs or three FTs. The special FTs have a capacity of 295 gal (1100L). 2. May only use AGM-12 RGs. 3. Although capable of carrying weapons internally and externally, in practice only three internal FTs and no external weapons or FTs were carried. The total fuel in this configuration is 1165.												
VPs: 40/27/13/7				v1 0000000 0000-00-00T00:00:00												