

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)

A3J-1 Vigilante										Crew: Pilot and Navigator			
Power APs/DPs: ○○										Maneuver DPs:			
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 1.0 1.0 1.0 0.0 SPBR 1.0 1.0 1.0 —										LR/DR 2.5	VR 1.5		
Cruise Spd. CL: 5.5 Restr. Arcs: 90– Climb Spd.: 4.5 Blind Arcs: 60– Visibility: 8 Internal Fuel: 720 Size: +0 AtA Refuel: No Vulnerability: +0 Ejection Seat: Std										Turn DPs:			
Smoker in military power (SMP).										CL 1/2 DT	TT 1.0 1.0 1.0	HT 1.5 1.5 1.5	BT 2.0 2.5 2.5
										ET — — —			

Speeds and Ceilings						Climb Capabilities							
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT		AB Oth	AB Oth	AB Oth	
Alt. Band	Conf. Ceil.	CL 62	1/2 58	DT 48	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth		AB Oth	AB Oth	AB Oth	
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 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 : < 3 1/2: <11		
Bomb System: Ballistic computed											Weight Limit: 12,000 DT : ≥11		
Notes:											Station 1 and 3 3,200 BB RP RG WR FT 2 0 Nuc BB FT		
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.											Load Notes: 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	v3 0000000	0000-00-00T00:00:00

A-5A Vigilante								Crew: Pilot and Navigator			
Power APs/DPs: ○○								Maneuver DPs:			
CL 1/2 DT Fuel								LR/DR 2.5			
AB 2.0 1.5 1.5 12.0								VR 1.5			
M 1.0 1.0 1.0 4.0								Turn DPs:			
N 0.0 0.0 0.0 2.0								CL 1/2 DT			
I 1.0 1.0 1.0 0.0								TT 1.0 1.0 1.0			
SPBR 1.0 1.0 1.0 —								HT 1.5 1.5 1.5			
Smoker in military power (SMP).								BT 2.0 2.5 2.5			
								ET — — —			

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT	AB Oth	AB Oth	AB Oth
Alt.	Band	Conf. Ceil.	CL	1/2	DT	CL	1/2	DT	AB Oth	AB Oth	AB Oth
EH+	46+	62	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	1.0 0.5	EH+
VH	36–45	58	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	1.0 0.5	VH
HI	26–35	48	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	1.0 0.5	HI
MH	17–25	48	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	2.0 0.5	MH
ML	8–16	48	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	2.0 1.0	ML
LO	0–7	48	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	2.0 1.0	LO

Radar: ASB-12	ECM: IFF	Weapon Stations Diagram:									
ECCM: 0	RWR: —										
Arcts: 180+	DDS: —										
Search: Gr. Nav. (420)	DJM: —										
Track: Gr. Attack (90)	AJM: —										
Lock-On: 7	BJM: —										
Guns: —	Technology: Terrain Following-A	Load Point Limits:						CL : < 3			
To Hit: —								1/2: <11			
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. 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.									
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.											
VPs: 32/21/11/5								v3 0000000 0000-00-00T00:00:00			

A3J-2 Vigilante									Crew: Pilot and Navigator		
									Maneuver DPs:		
									LR/DR	2.5	
									VR	1.5	
Power APs/DPs: ○○									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
M	1.0	1.0	1.0	4.0					HT	1.5	1.5
N	0.0	0.0	0.0	2.0					BT	2.0	2.5
I	1.0	1.0	1.0	0.0	Cruise Spd. CL: 5.5				ET	—	—
SPBR	1.0	1.0	1.0	—	Restr. Arcs: 90–						
Smoker in military power (SMP).					Climb Spd.: 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	1/2 AB	DT AB		0.5 Oth	0.5 Oth
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
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
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
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
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
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

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 : < 3 1/2: <11
To Hit:	—	Terrain Following-A		Weight Limit: 12,000 DT : ≥11
Ammunition:	—			
Gunsight:	—			
Ranging:	—			
AtA/AtG:	—			
Bomb System:	Ballistic computed			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:				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.			
				VPs: 32/21/11/5
				v3.0000000 0000-00-00T00:00:00

A-5B Vigilante								Crew: Pilot and Navigator			
Power APs/DPs: ○○								Maneuver DPs:			
CL 1/2 DT Fuel								LR/DR 2.5			
AB 2.0 1.5 1.5 12.0								VR 1.5			
M 1.0 1.0 1.0 4.0								Turn DPs:			
N 0.0 0.0 0.0 2.0								CL 1/2 DT			
I 1.0 1.0 1.0 0.0								TT 1.0 1.0 1.0			
SPBR 1.0 1.0 1.0 —								HT 1.5 1.5 1.5			
Smoker in military power (SMP).								BT 2.0 2.5 2.5			
								ET — — —			

Speeds and Ceilings						Climb Capabilities					
Alt.	Conf.	CL	1/2	DT	Dive Speed	CL	1/2	DT	AB Oth	AB Oth	AB Oth
Alt.	Band	Conf. Ceil.	CL	1/2	DT	CL	1/2	DT	AB Oth	AB Oth	AB Oth
EH+	46+	62	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	1.0 0.5	EH+
VH	36–45	58	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	1.0 0.5	VH
HI	26–35	48	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	1.0 0.5	HI
MH	17–25	48	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	2.0 0.5	MH
ML	8–16	48	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	2.0 1.0	ML
LO	0–7	48	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	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: Terrain Following-A	Load Point Limits: CL : < 3 1/2: <11									
To Hit: —		Weight Limit: 12,000 DT : ≥11									
Ammunition: —		Station	Limit	Allowed Loads							
Gunsight: —		1 and 5	3,200	BB RP RG WR FT							
Ranging: —		2 and 3	3,200	BB RP RG WR FT							
AtA/AtG: —		3	0	Nuc BB FT							
Bomb System: Ballistic computed		Load Notes:									
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.									
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.											
VPs: 32/21/11/5								v3 0000000 0000-00-00T00:00:00			

A3J-3P Vigilante										Crew: Pilot and Navigator	
Power APs/DPs: ○○										Maneuver DPs:	
CL 1/2 DT Fuel										LR/DR	2.5
AB 2.0 1.5 1.5 12.0										VR	1.5
M 1.0 1.0 1.0 4.0										Turn DPs:	
N 0.0 0.0 0.0 2.0										CL	1/2
I 1.0 1.0 1.0 0.0										DT	
SPBR 1.0 1.0 1.0 —										TT	1.0
Smoker in military power (SMP).										HT	1.5
										BT	2.0
										ET	—

RA-5C Vigilante										Crew: Pilot and Navigator	
Power APs/DPs: ○○										Maneuver DPs:	
CL 1/2 DT Fuel										LR/DR	2.5
AB 2.0 1.5 1.5 12.0										VR	1.5
M 1.0 1.0 1.0 4.0										Turn DPs:	
N 0.0 0.0 0.0 2.0										CL	1/2
I 1.0 1.0 1.0 0.0										DT	
SPBR 1.0 1.0 1.0 —										TT	1.0
Smoker in military power (SMP).										HT	1.5
										BT	2.0
										ET	—

RA-5C Vigilante (1967 Upgrade)					Crew: Pilot and Navigator
Power APs/DPs: ○○					Maneuver DPs:
CL 1/2 DT Fuel					LR/DR 2.5
AB 2.0 1.5 1.5 12.0					VR 1.5
M 1.0 1.0 1.0 4.0					
N 0.0 0.0 0.0 2.0					
I 1.0 1.0 1.0 0.0					
SPBR 1.0 1.0 1.0 —					
Smoker in military power (SMP).					
Cruise Spd. CL: 5.5 Restr. Arcs: 90–					
Climb Spd.: 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.	Conf.	CL	1/2	DT	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	
Band	Ceil.	62	58	48					
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: B3	
Track: Gr. Attack (90)	AJM: —	
Lock-On: 7	BJM: —	
Guns: —	Technology:	Load Point Limits: CL : < 3 1/2: <11
To Hit: —	Terrain Following-A	Weight Limit: 12,000 DT : ≥11
Ammunition: —		Station Limit Allowed Loads
Gunsight: —		1 and 5 3,200 BB RP RG WR FT
Ranging: —		2 and 3 3,200 BB RP RG WR FT
AtA/AtG: —		3 0 Nuc BB FT
Bomb System: Ballistic computed		Load Notes:
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		v3 0000000 0000-00-00T00:00:00

RA-5C Vigilante (1971 Upgrade)					Crew: Pilot and Navigator
Power APs/DPs: ○○					Maneuver DPs:
CL 1/2 DT Fuel					LR/DR 2.5
AB 2.0 1.5 1.5 12.0					VR 1.5
M 1.0 1.0 1.0 4.0					
N 0.0 0.0 0.0 2.0					
I 1.0 1.0 1.0 0.0					
SPBR 1.0 1.0 1.0 —					
Smoker in military power (SMP).					
Cruise Spd. CL: 5.5 Restr. Arcs: 90–					
Climb Spd.: 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.	Conf.	CL	1/2	DT	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	
Band	Ceil.	62	58	48					
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: CL : < 3 1/2: <11
To Hit: —	Terrain Following-A	Weight Limit: 12,000 DT : ≥11
Ammunition: —		Station Limit Allowed Loads
Gunsight: —		1 and 5 3,200 BB RP RG WR FT
Ranging: —		2 and 3 3,200 BB RP RG WR FT
AtA/AtG: —		3 0 Nuc BB FT
Bomb System: Ballistic computed		Load Notes:
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		v3 0000000 0000-00-00T00:00:00