

Dassault Mirage 5



The Mirage 5 is a day fighter and strike aircraft. It was developed by Dassault at the suggestion of the IAF, and to a large degree is a Mirage IIIE with the radar and other all-weather avionics removed and replaced by additional fuel and with an additional pair of weapon stations. In some later versions, more compact electronics allowed all-weather capabilities to be restored.

Versions

Mirage 5F

The Mirage 5F was the original version built for Israel but eventually being used by France.

These aircraft were originally built for Israel as the 5J. However, when delivery to Israel was blocked by the 1967 embargo, they entered service with the Armée de l'air as the 5F around 1970.

Mirage 5BA

The 5BA was a strike version for the Belgian Air Force. Changes included US avionics. It entered service in 1970 and was retired at the end of the 1980s.

Armament and Stores

The internal armament of the Mirage 5 was two 30 mm DEFA cannons. The external options were similar to the Mirage III, although RHMs were obviously not used on models without radar.

Combat

ADCs

- Mirage 5F
- Mirage 5BA

See Also

- Dassault Mirage III

Photo Credit

- Mirage 5: Chris Lofting (GFDL 1.2)

Mirage 5F										Crew: Pilot			
										Maneuver DPs:			
					LR/DR		1.5						
					VR		0.5						
					Turn DPs:								
					CL		1/2	DT					
					TT		1.75	1.75		1.75			
					HT		2.25	2.25		2.75			
					BT		3.25	—		—			
					ET		—	—		—			

Mirage 5BA					Crew: Pilot						
					Maneuver DPs:						
Power APs/DPs: ○					LR/DR	1.5					
CL 1/2 DT Fuel					VR	0.5					
AB	2.5	2.0	1.5	5.0	Turn DPs:						
M	1.5	1.0	1.0	2.0	CL	1/2	DT				
N	0.0	0.0	0.0	1.0	TT	1.75	1.75	1.75			
I	1.0	1.0	2.0	0.0	HT	2.25	2.25	2.75			
SPBR	1.0	2.0	2.0	—	BT	3.25	—	—			
Cruise Spd. CL: 6.0 Restr. Arcs: —					ET	—	—	—			
Climb Spd.: 0.0 Blind Arcs: 30–											
Visibility: 6 Internal Fuel: 325											
Size: +0 AtA Refuel: No											
Vulnerability: +0 Ejection Seat: Std											
Speeds and Ceilings						Climb Capabilities					
Alt. Band	Conf. Ceil.	CL 52	1/2 44	DT 35	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth			
EH+	46+	4.5 – 13.5	—	—	14.0	0.5 —	— —	— —	EH+		
VH	36–45	3.5 – 13.0	4.0 – 10.5	4.5 – 8.5	14.0	1.0 0.5	1.0 0.0	0.5 0.0	VH		
HI	26–35	3.0 – 11.0	3.5 – 10.0	4.0 – 8.0	13.0	2.0 1.0	1.0 0.5	1.0 0.5	HI		
MH	17–25	2.5 – 10.0	3.0 – 9.0	3.5 – 7.5	12.0	2.0 1.0	1.0 0.5	1.0 0.5	MH		
ML	8–16	2.0 – 9.0	2.5 – 8.0	2.5 – 6.5	11.0	4.0 2.0	2.0 1.0	2.0 1.0	ML		
LO	0–7	2.0 – 8.5	2.0 – 7.5	2.5 – 6.0	10.0	4.0 2.0	2.0 1.0	2.0 1.0	LO		
Radar: Alpha-II		ECM: IFF		Weapon Stations Diagram:							
ECCM:	0	RWR:	B								
Arcs:	Limited	DDS:	—								
Search:	—	DJM:	—								
Track:	8–8	AJM:	—								
Lock-On:	7	BJM:	—								
Guns: Two 30 mm DEFA		Technology:		Load Point Limits:							
To Hit:	6/3/2	None		CL : < 7 1/2: <10							
Ammunition:	3.0			Weight Limit: 9,200 DT : ≥10							
Gunsight:	TT+0/HT+0/BT+2			Station Limit Allowed Loads							
Ranging:	RE			1 and 7	550	BB BG RP RK IRM EP					
AtA/AtG:	6/6			2 and 4	2,200	BB BG RP RG RS RK GP ARM ASM DR FT RPT MRT					
Bomb System: Ballistic				3 and 5	1,100	BB					
				4	2,200	BB BG RP RG RS RK GP ARM ASM PP EP WR WP FT IRM					
Notes:											
1. The Mirage 5BA is a single-seat day attack aircraft built for the Belgian Air Force.											
2. High bleed rate (HBR). Low transonic drag (LTD). Poor supersonic maneuverability (PSSM).											
Load Notes:											
1. Stations 3 and 5 are under the rear fuselage.											
2. Stations 2 and 4 may be overloaded to 3000 lb.											
3. May carry two BBs on station 4 without using a WR.											
4. May use AIM-9 IRMs on stations 1 and 7											
VPs: 21/14/7/4								v3 0000000 0000-00-00T00:00:00			