

Aermacchi - M-346 Red Air

THE MASTER IN DISSIMILAR AIR COMBAT TRAINING



Aeronautica Militare - Troupe Azzurra

AERMACCHI M-346: THE LATEST, INSPIRED APPLICATION OF THE MASTER IN THE AGGRESSOR / DISSIMILAR AIR COMBAT TRAINING (DACT) ROLE

The superior qualities of the M-346 MASTER in performing its main role of Advanced Jet Trainer and Lead-In Fighter Trainer (AJT/LIFT) are being recognized as those that allow the M-346 to be employed also as a cost-effective “Aggressor” or Dissimilar Air Combat Training (DACT) platform. Offering an up-to-date platform and systems capable of interacting with front line fighters; already proven in NATO and national exercises and vastly superior in both performance and capabilities to the older platforms currently used for “Red Air”, the aircraft’s capabilities and performances are ideal to simulate:

- Adversary air-to-air
- Air-to-ground with dry and live ordnance delivery
- JTAC and FAC training
- Ship defence
- Air-to-air refuelling

The M-346 is capable of covering the above roles with great effectiveness for a fraction of the training cost of a front-line combat aircraft, preserving at the same time their precious airframe life.

The M-346 Red Air is already a “credible” opponent when manoeuvring in the visual arena, but to present itself as a threat also at BVR ranges it is equipped with:

- Tactical Data-link
- Radar Warning Receivers
- Programmable Radar “Threat” emitter pod
- Electronic Counter Measures (ECM) pod.

The emitter pods can be readily installed/ removed according to the mission requirements and would have minimal effect on aircraft performance.

Performance

Max level speed	590 KTAS
Limit speed	572 KEAS / 1.2 MN
Rate of climb	22,000 ft/min
Service ceiling	45,000 ft
Limit Load Factors	+8 / -3 g
Endurance clean / 3 ext. tanks	2h 45 min / 4 h

Powerplant

Engines, turbofan	2 Honeywell F124-GA-200
Thrust, max, sls, ISA	2x6280 lb (2x2850 kg)

Weights

Take-off Ramp Mass (clean)	16,535 lb (7.500 kg)
Max Take-off Ramp Mass	21,165 lb (9.600 kg)



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