

ATR 72MP

ATR 72MP: EFFECTIVE AND AFFORDABLE FORCE MULTIPLIER



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The ATR 72MP, developed and built by Leonardo Aircraft, is a derivative of the best-selling ATR 72-600 commercial platform designed to perform a wide range of missions, including all **Maritime Patrol** tasks with excellent reconnaissance and C3I (Command, Control, Communication and Intelligence) capabilities. The aircraft can also carry out **Exclusive Economic Zone (EEZ) patrol, Search And Rescue (SAR)**, it can act as a flying command post and can double as a comfortable passenger transport asset.

The **Italian Air Force** is the **launch customer** for the ATR 72MP, which combines the comfort, reliability, maintainability and low life-cycle costs of its commercial ancestor with a state-of-the-art mission system, advanced sensors and a complete communication suite, to create an effective and affordable force multiplier.

The core of the ATR 72MP mission suite is its modular **ATOS (Airborne Tactical Observation and Surveillance) mission system**. Designed by Leonardo Airborne & Space Systems, the ATOS manages the aircraft wide array of sensors, combines the information received in an overall tactical situation performing a real **Data Fusion** and presents the results to the mission system operators in the most suitable format, providing excellent situational awareness.

The main sensor installed on the ATR 72MP is the Leonardo Airborne & Space Systems **Seaspray 7300E Active Electronically Scanned Array (AESA) multimode radar**, able to perform long range detection, tracking and identification of surface targets on 360°. It also incorporates Track While Scan (TWS) and Moving Target Indicator

(MTI) capabilities, air to air and weather modes, SAR (Synthetic Aperture Radar) and ISAR (Inverse Synthetic Aperture Radar) imaging modes.

Additional sensors include an electro-optical turret equipped with video cameras and infra-red imagers, an **Automatic Identification System (AIS)** to locate and identify targets equipped with AIS transponders, a **Direction Finder for SAR (DF SAR)**, to locate the direction of radio emitters and emergency beacons during Search And Rescue missions.

The ATR 72MP **avionic suite** adds to the state-of-the-art ATR 72-600 glass cockpit an IFF Transponder, two INS/GPS systems, a TACTical Air Navigation (TACAN) system and a cockpit tactical display providing the pilots with mission system data.

The ATR 72MP **communication suite** includes three V/UHF radios and one HF radio, managed through an advanced internal communication system. A wide band **SATCOM** system and a line-of-sight **data link** allow easy mission data exchange with cooperating assets and ground control centers.

Thanks to the platform growth capabilities and the mission system modular design, the ATR 72MP can be optionally provided with **additional sensors, systems and communication equipment**, such as an Electronic Support Measure system, to further expand its mission portfolio, including for example **ELectronic INTelligence (ELINT)** tasks.

A complete **Defensive Aids Sub System (DASS)** is available as an option to allow the aircraft to operate also in hostile areas.



Weights & Performances

Maximum Take Off Weight	23,000 Kg	50,706 lb
Maximum Landing Weight	22,350 Kg	49,273 lb
Maximum Zero Fuel Weight	21,000 Kg	46,297 lb
Maximum Fuel Capacity	5,000 Kg	11,023 lb
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PW127M Engine Max Take-off Power (1 engine out)	2,750 SHP	
Maximum Cruise Speed	465 Km/	250 KTAS
Maximum Operational Altitude	7,620 m	25,000 ft
Max Endurance (at 5,000ft)	10.00 h (+45' hold)	
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Take-off Distance (MTOW, SL, AEO, ISA)	1,170 m	3,839ft
Landing Distance (MLW, SL, ISA)	630 m	2,067 ft