ATR -500 SERIES



ATR 42-500 UNRIVALLED PERFORMANCE



THE REFERENCE IN REGIONAL AIR TRANSPORT

The ATR 42-500 offers a combination of high overall performance and comfort unmatched in its class, while keeping the competitive economics which are the trademark of ATR aircraft. A range of improvements in the field of noise and vibration attenuation has been implemented, namely:

An optimized, efficient and technologically advanced acoustic treatment of the structure with the installation of Dynamic Vibration Absorbers and skin damping.

Cabin interiors engineered for maximum noise attenuation and optimum comfort, through advanced materials and absorbent panels and carpets. Additional overhead bins volume compared to previous models, accommodating long items (up to 2m/6.5 ft). The ATR 42-500 is equipped with 2 engines PW127, providing an excellent level of performance with an outstanding take-off and single engine performance maintained even in hot and high conditions.

PROPELLING TOMORROW'S WORLD



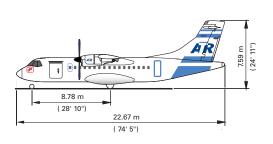


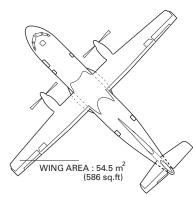
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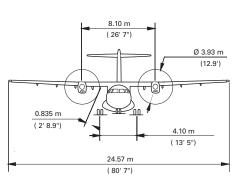


ATR 42-500

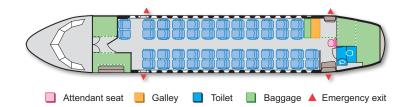
THE REFERENCE IN REGIONAL AIR TRANSPORT

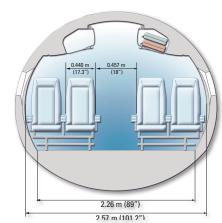












Take-off power - One engine2,400 SHPMax continuous2,400 SHP	Engines	
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Max fuel load 4,500 kg - 9,921 lb	Max payload (at typical in-service OEW)	5,300 kg - 11,684 lb
	Max fuel load	4,500 kg - 9,921 lb

* Optional MZFW@17,000 Kg available on demand.

Airfield performance TAKE-OFF DISTANCE:	_	
• Basic (MTOW - ISA - SL)	1,165 m - 3,822 ft	
• At TOW for 300 Nm - Max pax - SL - ISA	1,025 m - 3,363 ft	
• At TOW for 300 Nm - Max pax - 3,000 ft - ISA + 10	1,215 m - 3,986 ft	
TAKE-OFF SPEED (V2 min @ MTOW)	112 KCAS	
LANDING FIELD LENGTH (JAR 25)		
• Basic (MLW - SL)	964 m - 3,163 ft	
• At LW (max pax + reserves) - SL	904 m - 2,967 ft	
• Reference speed at landing	104 KIAS	
EN-ROUTE PERFORMANCE		
Optimum climb speed	160 KCAS	
Rate of climb (ISA, SL, MTOW)	1,851 ft/min	
Max Cruise speed		
(95% MTOW - ISA - Optimum FL)	300 KTAS - 556 km/h	
Fuel flow at cruise speed	811 kg/h - 1,788 lb/h	
Range with max pax	716 Nm	
200 Nm Block Fuel	565 kg - 1,246 lb	
CO2 Emission	1,780 kg - 3,925 lb	
	700 1 707 1	
300 Nm Block Fuel	783 kg - 1,727 lb	

NB: En-route performance computed assuming Max Optional TOW, Typical in-service OEW, 48 PAX@95 Kg, JAR fuel reserves, taxi time allowance: 4 min.

ATR DC/E Marketing September 2014 The information contained in this document is presented in good faith and does not in any way constitute an offer or a warranty Avions de Transport Régional - 1, allée Pierre Nadot - 31712 Blagnac Cedex - France - Phone +33 (0)5 62 21 62 21 www.atraircraft.com Photo credit: ATR - Pierre Barthe. Printed by: Imprimerie Pascal Communication

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