

ATR FIRST GENERATION

ATR

72-200/-210



The ATR 72 is derived from the ATR 42 with a 4.5 m stretched fuselage. The two aircraft feature a high degree of commonality: the same cross section, the same cockpit for cross-crew qualification. Offering a standard capacity of 66 seats, the ATR 72-200 is equipped with two PW124B engines, rated at 2,400 SHP each. The derivative version of the basic ATR 72, the ATR 72-210 is equipped with two higher power 2,750 SHP PW127 engines.

Main characteristics of the -210 version are excellent "hot & high" and short field capabilities. It also features enhancements to cabin comfort particularly in terms of advanced internal noise treatment and superior cabin air conditioning. A leader in its market segment, the ATR 72 has won hundred orders worldwide and achieves an in-service dispatch reliability largely exceeding 99 %.

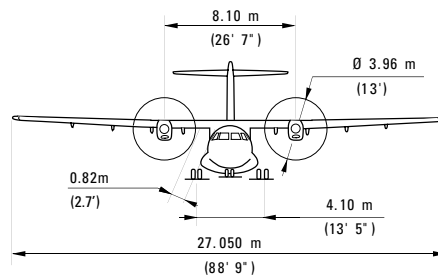
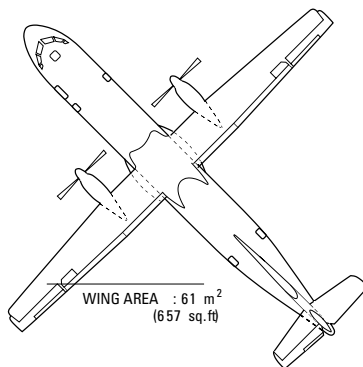
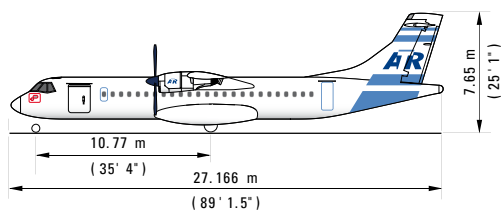
MATCHING CUSTOMER NEEDS

An Alenia Aeronautica and EADS joint venture

ATR

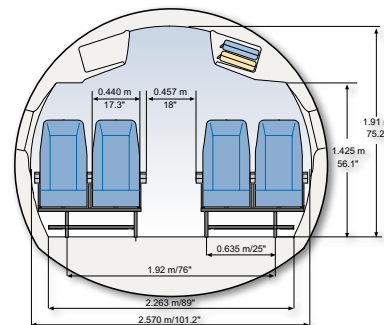
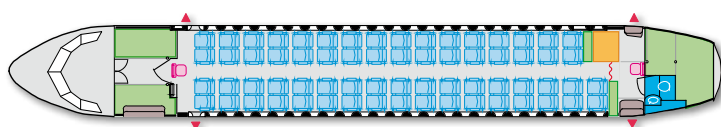
PROPELLING TOMORROW'S WORLD

ATR 72-200/-210



STANDARD CONFIGURATION

66 seats at 31" pitch



Attendant seat Galley Toilet Baggage Emergency exit

ENGINES	ATR 72-200	ATR 72-210
PRATT & WHITNEY CANADA	PW 124B	PW 127
Take-off power	2,160 SHP	2,475 SHP
Take-off power - One engine	2,400 SHP	2,750 SHP
Max continuous	2,400 SHP	2,500 SHP
Max climb	2,088 SHP	2,192 SHP
Max cruise	2,088 SHP	2,132 SHP
PROPELLERS		
Hamilton Standard	14 SF-11	247F-1
Blades: 4; Diameter: 39.6 m - 13 ft		
WEIGHTS		
Max take-off weight (basic)	21,500 kg - 47,399 lb	
Max take-off weight (option)	22,000 kg - 48,501 lb	
Max landing weight	21,350 kg - 47,068 lb	
Max zero fuel weight (basic)	19,700 kg - 43,430 lb	
Max zero fuel weight (option)	20,000 kg - 44,092 lb	
Operational empty weight (Tech. Spec.)	12,400 kg - 27,337 lb	12,450 kg - 27,447 lb
Operational empty weight (Typical in-service)	13,000 kg - 28,660 lb	
Max payload (at typical in-service OEW)	7,000 kg - 15,432 lb	
Max fuel load	5,000 kg - 11,023 lb	

AIRFIELD PERFORMANCE	ATR 72-200	ATR 72-210
TAKE-OFF DISTANCE		
• Basic (MTOW - ISA - SL)	1,409 m - 4,623 ft	1,211 m - 3,973 ft
• Option (MTOW - ISA - SL)	1,506 m - 4,941 ft	1,291 m - 4,236 ft
• At TOW for 300 Nm Max pax - SL - ISA	1,251 m - 4,104 ft	1,106 m - 3,629 ft
• At TOW for 300 Nm Max pax - 3,000 ft - ISA +10	1,522 m - 4,993 ft	1,333 m - 4,373 ft
TAKE-OFF SPEED (V2 min @ MTOW)	115 KCAS	113 KCAS
LANDING FIELD LENGTH (JAR25)		
• Basic (MLW - SL)	1,035 m - 3,395 ft	902 m - 2,959 ft
• At LW (max pax + reserves) - SL	983 m - 3,225 ft	855 m - 2,805 ft
• Reference speed at landing	114 KIAS	109 KIAS
EN-ROUTE PERFORMANCE		
Optimum climb speed	170 KCAS	170 KCAS
One engine net ceiling (95% MTOW, ISA +10)	8,505 ft	10,000 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	278 KTAS - 515 km/h	279 KTAS - 517 km/h
Fuel flow at cruise speed	720 kg/h - 1,587 lb/h	760 kg/h - 1,675 lb/h
Range with max pax	872 Nm	805 Nm
200 Nm Block Fuel	579 kg - 1,276 lb	609 kg - 1,342 lb
CO2 Emission	1,823 kg - 4,019 lb	1,918 kg - 4,228 lb
300 Nm Block Fuel	811 kg - 1,787 lb	845 kg - 1,862 lb
CO2 Emission	2,554 kg - 5,630 lb	2,661 kg - 5,866 lb

NB: en-route performance computed assuming Max Optional TOW, Typical in-service OEW, 66 PAX@95 Kg, JAR fuel reserves, taxi time allowance: 4 min.