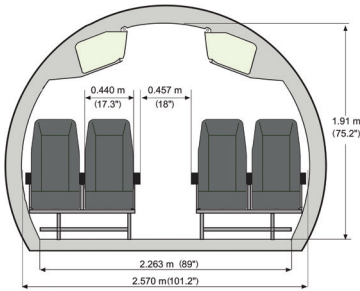
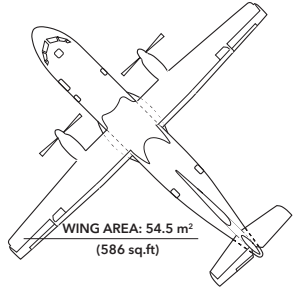
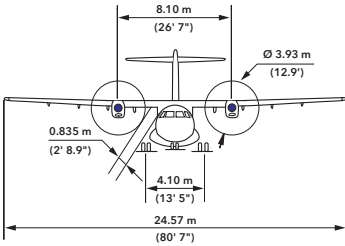
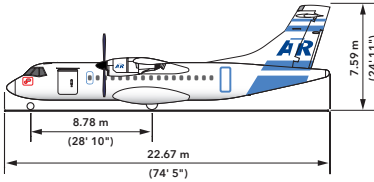
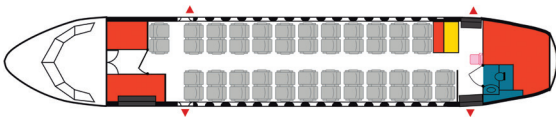


ATR 42-500



48 pax at 30" pitch



Attendant seat Galley Toilet Baggage Emergency Exits

ATR 42-500

STANDARD CONFIGURATION		48 seats
Engines Pratt & Whitney Canada		PW127E/M
Take-off power		2,160 SHP
Take-off power - One engine		2,400 SHP
Max continuous		2,400 SHP
Max climb		2,160 SHP
Max cruise		2,132 SHP
Propellers Hamilton Standard		568F
Blades - diameter		6 - 3.93 m - 12.9 ft
Weights		
Max take-off weight (basic)		18,600 kg - 41,005 lb
Max landing weight (basic)		18,300 kg - 40,344 lb
Max zero fuel weight (basic)		16,700 kg - 36,817 lb
Max zero fuel weight (Option)		17,000 kg - 37,478 lb
Operational empty weight (Tech. Spec.)		11,250 kg - 24,802 lb
Operational empty weight (Typical in-service)		11,500 kg - 25,353 lb
Max payload (at typical in-service OEW)		5,500 kg - 12,125 lb
Max fuel load		4,500 kg - 9,921 lb
Airfield performance		
Take-off distance		
> Basic - MTOW - ISA - SL		1,165 m - 3,822 ft
> TOW for 300 NM - Max pax - SL - ISA		982 m - 3,221 ft
> TOW for 300 NM - Max pax - 3,000 ft - ISA +10		1,164 m - 3,818 ft
Take-off speed (V2 min @ MTOW)		112 KCAS
Landing field length (EASA Air Ops)		
> Basic MLW - SL		966 m - 3,169 ft
> LW (max pax + reserves) - SL		906 m - 2,972 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
Time to climb to FL170		12.7 min
One engine net ceiling (95% MTOW, ISA +10)		13,010 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)		300 KTAS - 556 km/h
Fuel flow at cruise speed		811 kg/hr - 1,788 lb/h
Range with max pax		703 NM
200 NM Block Fuel		584 kg - 1,287 lb
200 NM Block Time		60 min
300 NM Block Fuel		802 kg - 1,768 lb
300 NM Block Time		81 min