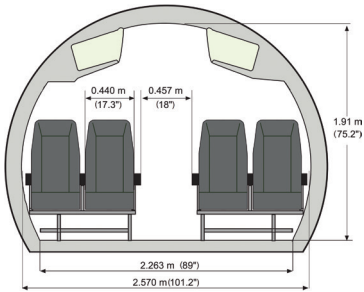
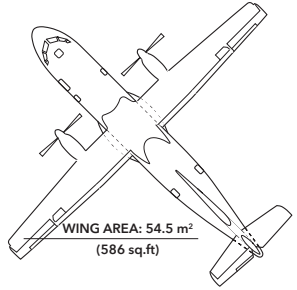
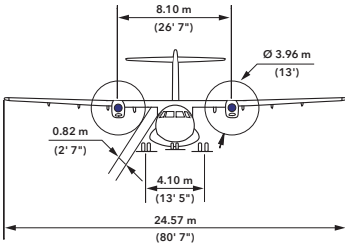
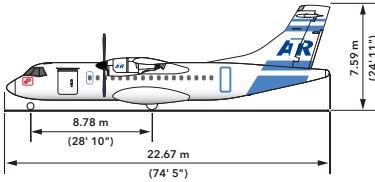
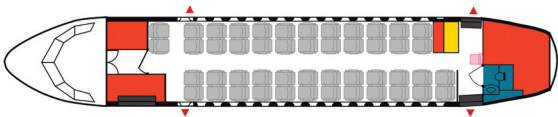


ATR 42-320



48 pax at 30" pitch



Attendant seat Galley Toilet Baggage Emergency Exits

ATR 42-320

STANDARD CONFIGURATION		48 seats
Engines Pratt & Whitney Canada		PW121
Take-off power		1,900 SHP
Take-off power - One engine		2,100 SHP
Max continuous		1,900 SHP
Max climb		1,700 SHP
Max cruise		1,700 SHP
Propellers Hamilton Standard		14 SF-5
Blades - diameter		4 - 3.96 m - 13 ft
Weights		
Max take-off weight (basic)		16,700 kg - 36,817 lb
Max take-off weight (option1)		16,900 kg - 37,257 lb
Max landing weight (basic)		16,400 kg - 36,155 lb
Max zero fuel weight (basic)		15,200 kg - 33,510 lb
Max zero fuel weight (option)		15,540 kg - 34,259 lb
Operational empty weight (Tech. Spec.)		10,290 kg - 22,685 lb
Operational empty weight (Typical in-service)		10,900 kg - 24,030 lb
Max payload (at typical in-service OEW)		4,640 kg - 10,229 lb
Max fuel load		4,500 kg - 9,921 lb
Airfield performance		
Take-off distance		
> Basic - MTOW - ISA - SL		1,041 m - 3,415 ft
> Option - MTOW - ISA - SL		1,068 m - 3,504 ft
> TOW for 300 NM - Max pax - SL - ISA		1,030 m - 3,379 ft
> TOW for 300 NM - Max pax - 3,000 ft - ISA +10		1,227 m - 4,025 ft
Take-off speed (V2 min @ MTOW)		108 KCAS
Landing field length (EASA Air Ops)		
> Basic MLW - SL		887 m - 2,910 ft
> LW (max pax + reserves) - SL		867 m - 2,844 ft
> Reference speed at landing		103 KIAS
En-route performance		
Optimum climb speed		160 KCAS
Rate of climb (ISA, SL, MTOW)		1,320 ft/min
Time to climb to FL170		14.8 min
One engine net ceiling (95% MTOW, ISA +10)		10,940 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)		270 KTAS - 500 km/h
Fuel flow at cruise speed		584 kg/hr - 1,287 lb/h
Range with max pax		451 NM
200 NM Block Fuel		504 kg - 1,111 lb
200 NM Block Time		62 min
300 NM Block Fuel		682 kg - 1,504 lb
300 NM Block Time		86 min