ATR FAMILY

ATR 42-300
ATR 42-400
ATR 42-500
ATR 42-600
ATR 72-200
ATR 72-210
ATR 72-500
ATR 72-600
FREIGHTER
CORPORATE
SURVEYOR

An Alenia Aeronautica and EADS joint venture
ATR
PROPELLING TOMORROW'S WORLD

Introduction

The ATR family booklet provides the reader with the main technical data for all ATR aircraft, including:

- general dimensions
- cross-section
- standard cabin layout
- powerplant characteristics
- operating weights
- basic airfield and en-route performance.

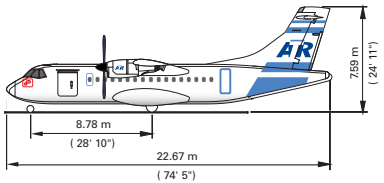
Furthermore, a short introduction is made of derivative versions:

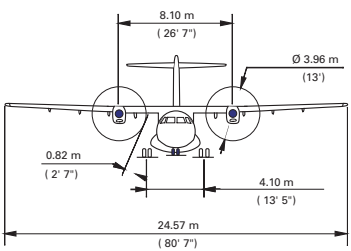
- Freighter
- Corporate
- Surveyor.

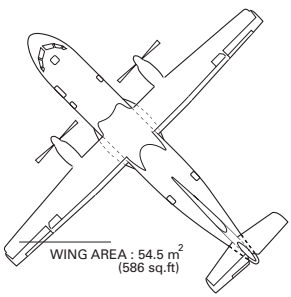
Assumptions for en-route performance:

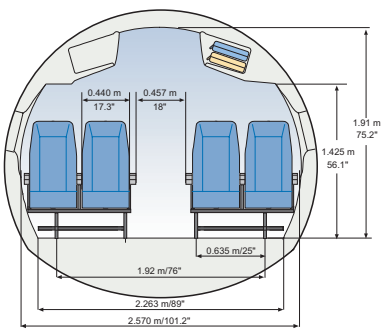
- Max optional TOW & LW
- Payload: max pax
- OEW: typical in-service
- Pax weight: 95 kg (including baggage)
- Reserves: 5% trip fuel + 30 min hold + 100 Nm diversion
- Taxi: 4 min

ATR 42-300

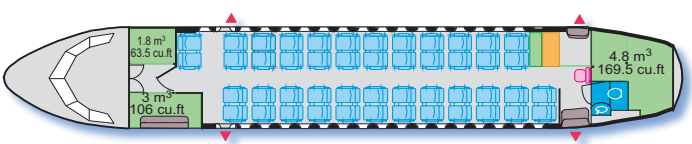








48 pax at 30" pitch

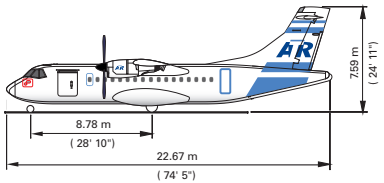


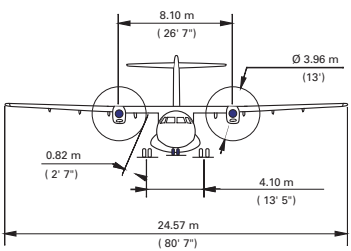
Attendant seat | Galley | Toilet | Baggage | ▲ Emergency exit

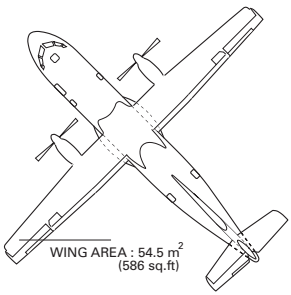
ATR 42-300

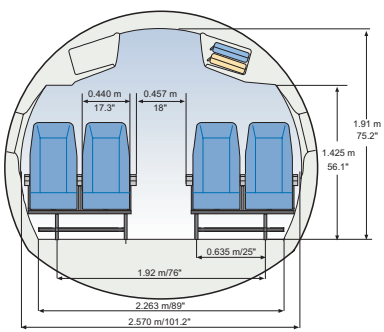
Standard configuration	48 seats
Engines Pratt & Whitney Canada	PW120
Take-off power	1,800 SHP
Take-off power - One engine	2,000 SHP
Max continuous	1,700 SHP
Max climb	1,700 SHP
Max cruise	1,619 SHP
Propellers Hamilton Standard	14 SF-5
Blades, diameter	4, 3.96 m - 13 ft
Weights	
Max take-off weight (basic)	16,700 kg - 36,817 lb
Max take-off weight (option)	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.)	10,285 kg - 22,674 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	1,090 m - 3,576 ft
➨ Option - MTOW - ISA - SL	1,123 m - 3,684 ft
➨ TOW for 300 Nm - Max pax - SL - ISA	1,073 m - 3,520 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,271 m - 4,170 ft
Take-off speed (V2 min @ MTOW)	108 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,033 m - 3,389 ft
➨ LW (max pax + reserves) - SL	1,008 m - 3,307 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 FLI170	15.1 min
One engine net ceiling (95% MTOW, ISA +10)	9,580 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	266 KTAS - 493 km/h
Fuel flow at cruise speed	568 kg/hr - 1,252 lb/h
Range with max pax	456 Nm
200 Nm Block Fuel	500 kg - 1,102 lb
200 Nm Block Time	55.9 min
300 Nm Block Fuel	685 kg - 1,510 lb
300 Nm Block Time	79.3 min

ATR 42-320

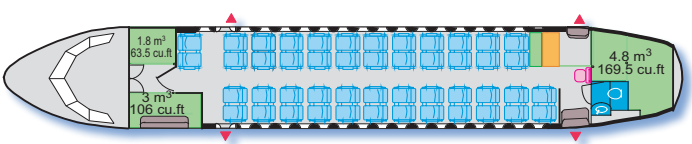








48 pax at 30" pitch

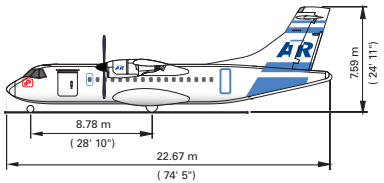


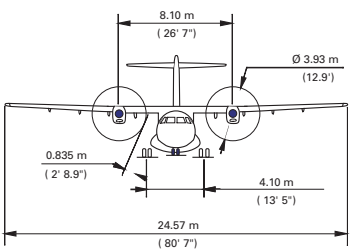
Attendant seat | Galley | Toilet | Baggage | Emergency exit

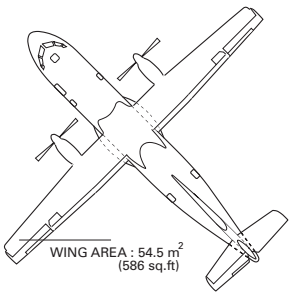
ATR 42-320

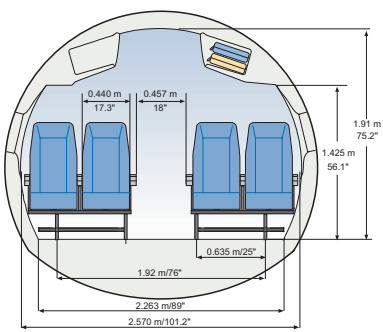
Standard configuration	48 seats
Engines Pratt & Whitney Canada	PW121
Take-off power	1,900 SHP
Take-off power - One engine	2,100 SHP
Max continuous	1,900 SHP
Max climb	1,700 SHP
Max cruise	1,700 SHP
Propellers Hamilton Standard	14 SF-5
Blades, diameter	4, 3.96 m - 13 ft
Weights	
Max take-off weight (basic)	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	1,026 m - 3,366 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,222 m - 4,009 ft
Take-off speed (V2 min @ MTOW)	108 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,030 m - 3,379 ft
➨ LW (max pax + reserves) - SL	1,008 m - 3,307 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	459 Nm
200 Nm Block Fuel	495 kg - 1,091 lb
200 Nm Block Time	55.9 min
300 Nm Block Fuel	676 kg - 1,490 lb
300 Nm Block Time	79.3 min

ATR 42-400

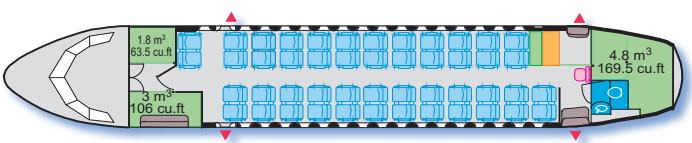








48 pax at 30" pitch

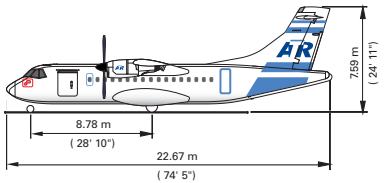


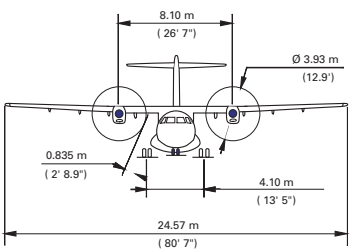
Attendant seat | Galley | Toilet | Baggage | Emergency exit

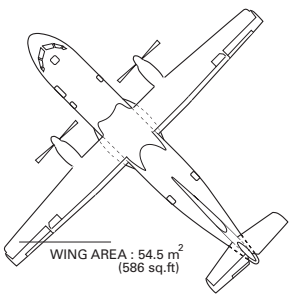
ATR 42-400

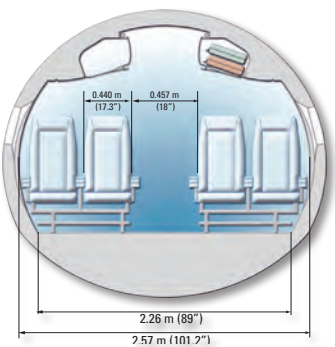
Standard configuration	48 seats
Engines Pratt & Whitney Canada	PW121A
Take-off power	1,980 SHP
Take-off power - One engine	2,200 SHP
Max continuous	1,900 SHP
Max climb	1,700 SHP
Max cruise	1,700 SHP
Propellers Hamilton Standard	568F
Blades, diameter	6, 3.93 m - 12.9 ft
Weights	
Max take-off weight (basic)	17,900 kg - 39,462 lb
Max take-off weight (option1)	18,200 kg - 40,123 lb
Max landing weight (basic)	17,600 kg - 38,801 lb
Max landing weight (option)	17,900 kg - 39,462 lb
Max zero fuel weight (basic)	16,300 kg - 35,935 lb
Max zero fuel weight (option)	16,600 kg - 36,596 lb
Operational empty weight (Tech. Spec.)	11,050 kg - 24,361 lb
Operational empty weight (Typical in-service)	11,400 kg - 25,132 lb
Max payload (at typical in-service OEW)	5,200 kg - 11,464 lb
Max fuel load	4,500 kg - 9,921 lb
Airfield performance	
Take-off distance	
➨ Basic - MTOW - ISA - SL	1,205 m - 3,953 ft
➨ Option - MTOW - ISA - SL	1,264 m - 4,147 ft
➨ TOW for 300 Nm - Max pax - SL - ISA	1,071 m - 3,514 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,310 m - 4,298 ft
Take-off speed (V2 min @ MTOW)	111 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,120 m - 3,675 ft
➨ Option MLW - SL	1,135 m - 3,724 ft
➨ LW (max pax + reserves) - SL	1,063 m - 3,488 ft
➨ Reference speed at landing	105 KIAS
En-route performance	
Optimum climb speed	160 KCAS
Rate of climb (ISA, SL, MTOW)	1,135 ft/min
Time to climb to FL170	17.9 min
One engine net ceiling (95% MTOW, ISA +10)	7,705 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	261 KTAS - 484 km/h
Fuel flow at cruise speed	588 kg/hr - 1,296 lb/h
Range with max pax	794 Nm
200 Nm Block Fuel	511 kg - 1,127 lb
200 Nm Block Time	57.4 min
300 Nm Block Fuel	706 kg - 1,556 lb
300 Nm Block Time	81.5 min

ATR 42-500

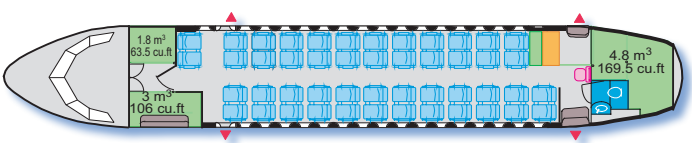








48 pax at 30" pitch

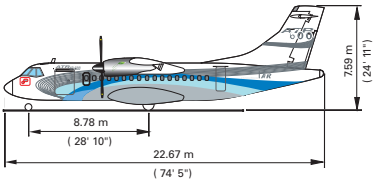


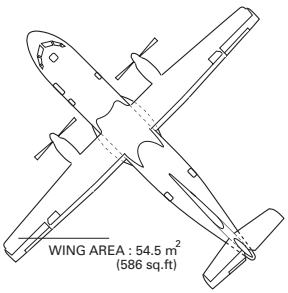
Attendant seat | Galley | Toilet | Baggage | Emergency exit

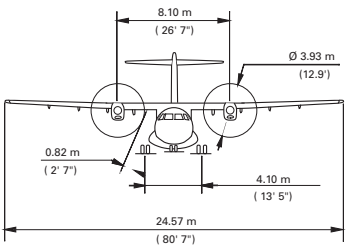
ATR 42-500

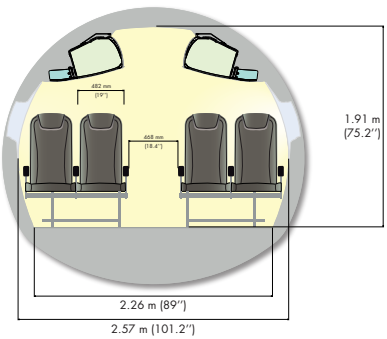
Standard configuration	48 seats
Engines Pratt & Whitney Canada	PW127E/M
Take-off power	2,160 SHP
Take-off power - One engine	2,400 SHP
Max continuous	2,400 SHP
Max climb	2,160 SHP
Max cruise	2,132 SHP
Propellers Hamilton Standard	568F
Blades, diameter	6, 3.93 m - 12.9 ft
Weights	
Max take-off weight (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	1,000 m - 3,281 ft
➢ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,181 m - 3,875 ft
Take-off speed (V2 min @ MTOW)	112 KCAS
Landing field length (FAR25)	
➢ Basic MLW - SL	1,126 m - 3,694 ft
➢ LW (max pax + reserves) - SL	1,045 m - 3,428 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	801 Nm
200 Nm Block Fuel	602 kg - 1,327 lb
200 Nm Block Time	52.0 min
300 Nm Block Fuel	835 kg - 1,841 lb
300 Nm Block Time	72.9 min

ATR 42-600

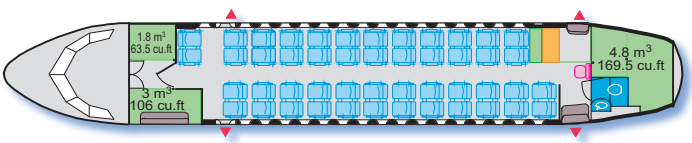








48 pax at 30" pitch

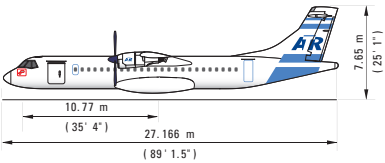


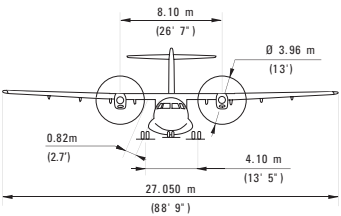
Attendant seat | Galley | Toilet | Baggage | Emergency exit

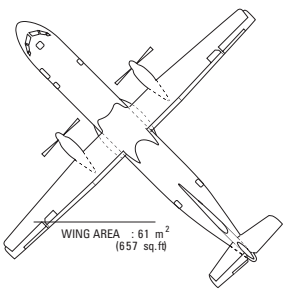
ATR 42-600

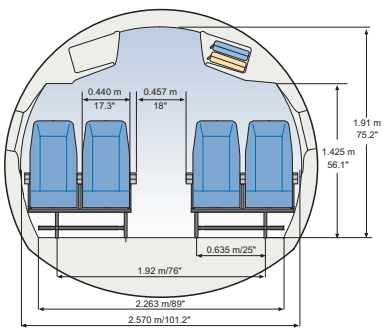
Standard configuration	48 seats
Engines Pratt & Whitney Canada	PW127M
Take-off power	2,160 SHP
Take-off power - One engine	2,400 SHP
Max continuous	2,400 SHP
Max climb	2,160 SHP
Max cruise	2,132 SHP
Propellers Hamilton Standard	568F
Blades, diameter	6, 3.93 m - 12.9 ft
Weights	
Max take-off weight (basic)	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.)	11,300 kg - 24,912 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	1,000 m - 3,281 ft
➢ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,181 m - 3,875 ft
Take-off speed (V2 min @ MTOW)	112 KCAS
Landing field length (FAR25)	
➢ Basic MLW - SL	1,126 m - 3,694 ft
➢ LW (max pax + reserves) - SL	1,045 m - 3,428 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 FLI170	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	801 Nm
200 Nm Block Fuel	602 kg - 1,327 lb
200 Nm Blo ck Time	52.0 min
300 Nm Block Fuel	835 kg - 1,841 lb
300 Nm Block Time	72.9 min

ATR 72-200

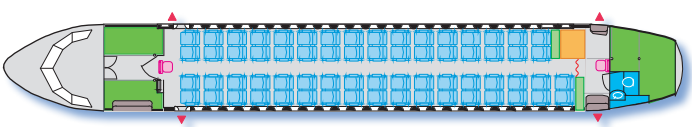








66 pax at 31" pitch

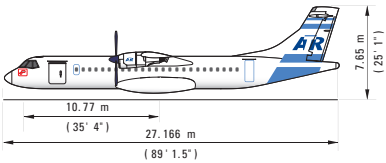


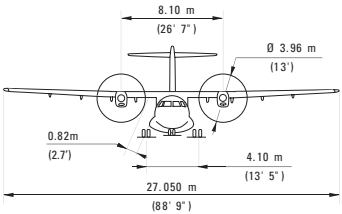
Attendant seat | Galley | Toilet | Baggage | Emergency exit

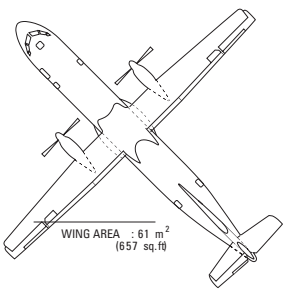
ATR 72-200

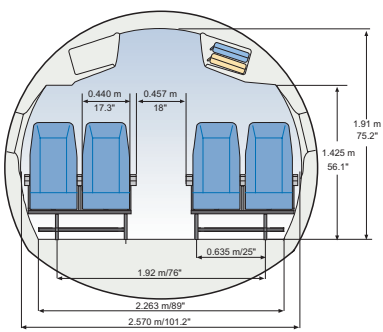
Standard configuration	66 seats
Engines Pratt & Whitney Canada	PW124B
Take-off power	2,160 SHP
Take-off power - One engine	2,400 SHP
Max continuous	2,400 SHP
Max climb	2,088 SHP
Max cruise	2,088 SHP
Propellers Hamilton Standard	14 SF-11
Blades, diameter	4, 3.96 m - 13 ft
Weights	
Max take-off weight (basic)	21,500 kg - 47,399 lb
Max take-off weight (option)	22,000 kg - 48,501 lb
Max landing weight (basic)	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
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	
Take-off distance	
➨ Basic - MTOW - ISA - SL	1,409 m - 4,623 ft
➨ Option - MTOW - ISA - SL	1,506 m - 4,941 ft
➨ TOW for 300 Nm - Max pax - SL - ISA	1,251 m - 4,104 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,522 m - 4,993 ft
Take-off speed (V2 min @ MTOW)	115 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,207 m - 3,960 ft
➨ LW (max pax + reserves) - SL	1,145 m - 3,757 ft
➨ Reference speed at landing	114 KIAS
En-route performance	
Optimum climb speed	170 KCAS
Rate of climb (ISA, SL, MTOW)	1,390 ft/min
Time to climb to FL170	16.7 min
One engine net ceiling (95% MTOW, ISA +10)	8,505 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	278 KTAS - 515 km/h
Fuel flow at cruise speed	720 kg/hr - 1,587 lb/h
Range with max pax	872 Nm
200 Nm Block Fuel	570 kg - 1,257 lb
200 Nm Block Time	55.5 min
300 Nm Block Fuel	793 kg - 1,748 lb
300 Nm Block Time	77.8 min

ATR 72-210

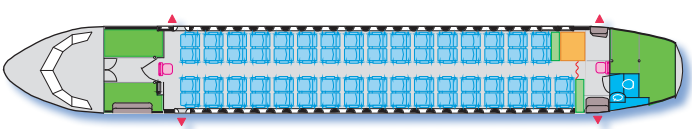








66 pax at 31" pitch

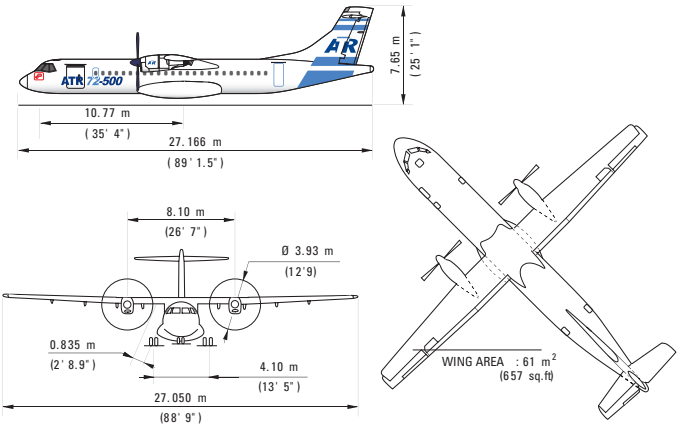


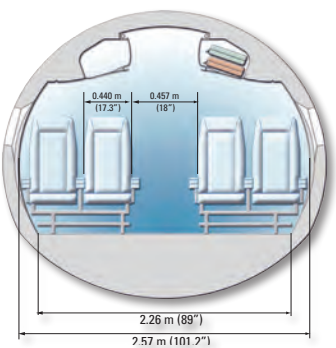
Attendant seat Galley Toilet Baggage Emergency exit

ATR 72-210

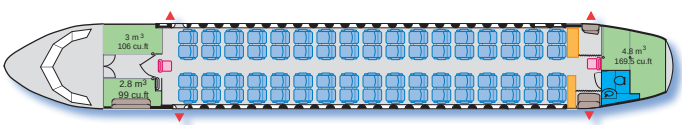
Standard configuration	66 seats
Engines Pratt & Whitney Canada	PW127
Take-off power	2,475 SHP
Take-off power - One engine	2,750 SHP
Max continuous	2,500 SHP
Max climb	2,192 SHP
Max cruise	2,132 SHP
Propellers Hamilton Standard	247F-1
Blades, diameter	4, 3.96 m - 13 ft
Weights	
Max take-off weight (basic)	21,500 kg - 47,399 lb
Max take-off weight (option)	22,000 kg - 48,501 lb
Max landing weight (basic)	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.)	12,450 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	
Take-off distance	
➢ Basic - MTOW - ISA - SL	1,211 m - 3,973 ft
➢ Option - MTOW - ISA - SL	1,291 m - 4,236 ft
➢ TOW for 300 Nm - Max pax - SL - ISA	1,106 m - 3,629 ft
➢ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,333 m - 4,373 ft
Take-off speed (V2 min @ MTOW)	113 KCAS
Landing field length (FAR25)	
➢ Basic MLW - SL	1,052 m - 3,451 ft
➢ LW (max pax + reserves) - SL	997 m - 3,271 ft
➢ Reference speed at landing	109 KIAS
En-route performance	
Optimum climb speed	170 KCAS
Rate of climb (ISA, SL, MTOW)	1,462 ft/min
Time to climb to FL170	16.6 min
One engine net ceiling (95% MTOW, ISA +10)	10,000 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	279 KTAS - 517 km/h
Fuel flow at cruise speed	760 kg/hr - 1,675 lb/h
Range with max pax	805 Nm
200 Nm Block Fuel	598 kg - 1,318 lb
200 Nm Block Time	55.4 min
300 Nm Block Fuel	837 kg - 1,845 lb
300 Nm Block Time	77.5 min

ATR 72-500





68 pax at 31″ pitch

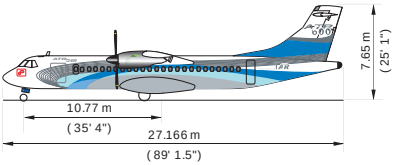


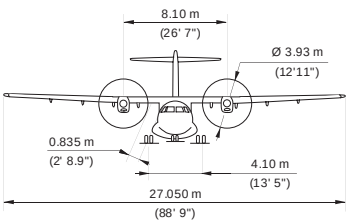
Attendant seat Galley Toilet Baggage Emergency exit

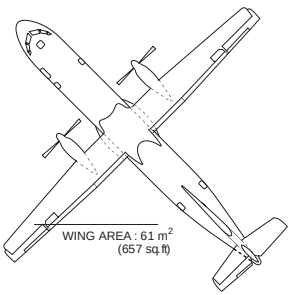
ATR 72-500

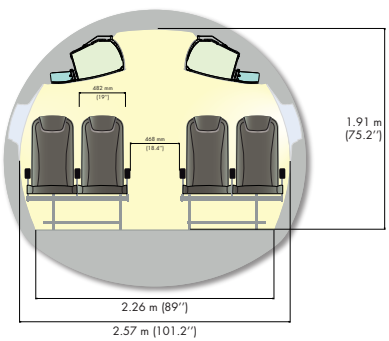
Standard configuration	68 seats
Engines Pratt & Whitney Canada	PW127F/M
Take-off power	2,475 SHP
Take-off power - One engine	2,750 SHP
Max continuous	2,500 SHP
Max climb	2,192 SHP
Max cruise	2,132 SHP
Propellers Hamilton Standard	568F
Blades, diameter	6, 3.93 m - 12.9 ft
Weights	
Max take-off weight (basic)	22,000 kg - 48,501 lb
Max take-off weight (option 1)	22,500 kg - 49,603 lb
Max take-off weight (option 2)	22,800 kg - 50,265 lb
Max landing weight (basic)	21,850 kg - 48,170 lb
Max landing weight (option)	22,350 kg - 49,272 lb
Max zero fuel weight (basic)	20,000 kg - 45,194 lb
Max zero fuel weight (option 1)	20,300 kg - 44,753 lb
Max zero fuel weight (option 2)	20,500 kg - 45,194 lb
Operational empty weight (Tech. Spec.)	12,950 kg - 28,549 lb
Operational empty weight (Typical in-service)	13,500 kg - 29,762 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	
Take-off distance	
➨ Basic - MTOW - ISA - SL	1,224 m - 4,016 ft
➨ Option 1 - MTOW - ISA - SL	1,289 m - 4,229 ft
➨ Option 2 - MTOW - ISA - SL	1,333 m - 4,373 ft
➨ TOW for 300 Nm - Max pax - SL - ISA	1,150 m - 3,773 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,384 m - 4,541 ft
Take-off speed (V2 min @ MTOW)	115 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,048 m - 3,438 ft
➨ Option MLW - SL	1,067 m - 3,501 ft
➨ LW (max pax + reserves) - SL	1,000 m - 3,281 ft
➨ Reference speed at landing	113 KIAS
En-route performance	
Optimum climb speed	170 KCAS
Rate of climb (ISA, SL, MTOW)	1,374 ft/min
Time to climb to FL170	17.2 min
One engine net ceiling (95% MTOW, ISA +10)	10,000 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	275 KTAS - 510 km/h
Fuel flow at cruise speed	762 kg/hr - 1,680 lb/h
Range with max pax	824 Nm
200 Nm Block Fuel	610 kg - 1,345 lb
200 Nm Block Time	55.6 min
300 Nm Block Fuel	852 kg - 1,878 lb
300 Nm Block Time	78.0 min

ATR 72-600

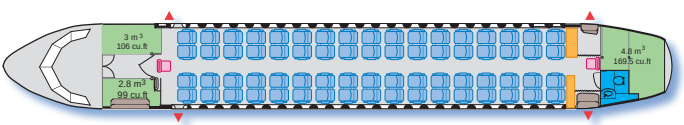








68 pax at 31" pitch



Attendant seat | Galley | Toilet | Baggage | Emergency exit

ATR 72-600

Standard configuration	68 seats
Engines Pratt & Whitney Canada	PW127M
Take-off power	2,475 SHP
Take-off power - One engine	2,750 SHP
Max continuous	2,500 SHP
Max climb	2,192 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)	22,800 kg - 50,265 lb
Max take-off weight (option)	23,000 kg - 50,705 lb
Max landing weight (basic)	22,350 kg - 49,272 lb
Max zero fuel weight (basic)	20,800 kg - 45,855 lb
Max zero fuel weight (option 1)	21,000 kg - 46,296 lb
Operational empty weight (Tech. Spec.)	13,010 kg - 28,682 lb
Operational empty weight (Typical in-service)	13,500 kg - 29,762 lb
Max payload (at typical in-service OEW)	7,500 kg - 16,534 lb
Max fuel load	5,000 kg - 11,023 lb
Airfield performance	
Take-off distance	
➨ Basic - MTOW - ISA - SL	1,333 m - 4,373 ft
➨ Option 1 - MTOW - ISA - SL	1,367 m - 4,485 ft
➨ TOW for 300 Nm - Max pax - SL - ISA	1,150 m - 3,773 ft
➨ TOW for 300 Nm - Max pax - 3,000 ft - ISA +10	1,384 m - 4,541 ft
Take-off speed (V2 min @ MTOW)	116 KCAS
Landing field length (FAR25)	
➨ Basic MLW - SL	1,067 m - 3,501 ft
➨ LW (max pax + reserves) - SL	1,000 m - 3,281 ft
➨ Reference speed at landing	113 KIAS
En-route performance	
Optimum climb speed	170 KCAS
Rate of climb (ISA, SL, MTOW)	1,355 ft/min
Time to climb to FL170	17.5 min
One engine net ceiling (95% MTOW, ISA +10)	10,000 ft
Max Cruise speed (95% MTOW - ISA - Optimum FL)	275 KTAS - 510 km/h
Fuel flow at cruise speed	762 kg/hr - 1,680 lb/h
Range with max pax	899 Nm
200 Nm Block Fuel	610 kg - 1,345 lb
200 Nm Block Time	55.6 min
300 Nm Block Fuel	852 kg - 1,878 lb
300 Nm Block Time	78.0 min

FREIGHTER VERSION

LARGE CARGO DOOR CONVERSION

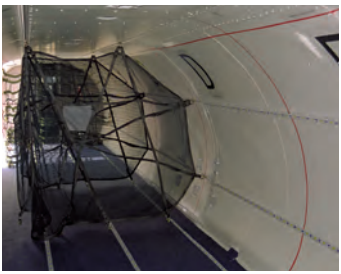
Weights and values - Large Cargo Door		
	ATR 42-300/-320	ATR 72-200*
MTOW	16,900 kg - 37,257 lb	22,000 kg - 48,501 lb
MLW	16,400 kg - 36,155 lb	21,350 kg - 47,068 lb
MZFW	15,540 kg - 34,259 lb	20,000 kg - 44,092 lb
OEW (typical, 9g stop net)	10,029 kg - 22,110 lb	11,638 kg - 25,657 lb
Provision for CLS**	211 kg - 465 lb	269 kg - 593 lb
Max gross payload	5,300 kg - 11,684 lb	8,093 kg - 17,842 lb
Nb of LD3	5	7
Nb of 88" x 108"	3	5
Nb of 88" x 62"	6	9
Max linear load (st)	510 kg/m - 28 lb/inch	510 kg/m - 28 lb/inch
Max linear load (opt.)	610 kg/m - 34 lb/inch	610 kg/m - 34 lb/inch

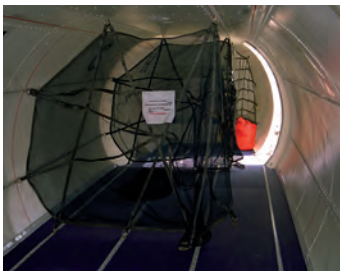
** Optional weights ** CLS weight for 88" x 108" pallets*

Quiet overnight operations ICAO - Annex 16 - Chapter III (EPNdB)			
	Ch III limits	ATR 42-300	ATR 72-200
Flyover	89	83.3	86.9
Sideline	94	83.7	84.7
Approach	98	96.7	94.1
Cumulated	281	263.7	265.7

FREIGHTER VERSION

BULK FREIGHTER CONVERSION



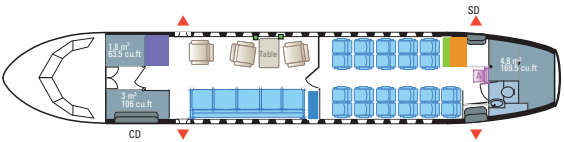


Weights and values - Bulk Freighter		
	ATR 42-300/-320	ATR 72-200*
MTOW	16,900 kg - 37,257 lb	22,000 kg - 48,501 lb
MLW	16,400 kg - 36,155 lb	21,350 kg - 47,068 lb
MZFW	15,540 kg - 34,259 lb	20,000 kg - 44,092 lb
Max linear load (st)	510 kg/m - 28 lb/inch	510 kg/m - 28 lb/inch
Max linear load (opt.)	610 kg/m - 34 lb/inch	610 kg/m - 34 lb/inch
OEW	9,927 kg - 21,885 lb	11,577 kg - 25,522 lb
Max net payload	5,613 kg - 12,374 lb	8,423 kg - 18,569 lb
Gross usable volume	56 m^3 - 1,978 cu.ft	75.5 m^3 - 2.666 cu.ft

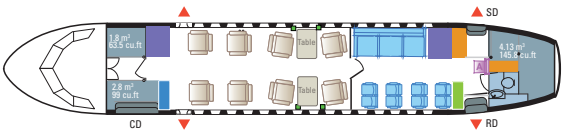
** Optional weights*

Quiet overnight operations ICAO - Annex 16 - Chapter III (EPNdB)			
	Ch III limits	ATR 42-300	ATR 72-200
Flyover	89	83.3	86.9
Sideline	94	83.7	84.7
Approach	98	96.7	94.1
Cumulated	281	263.7	265.7

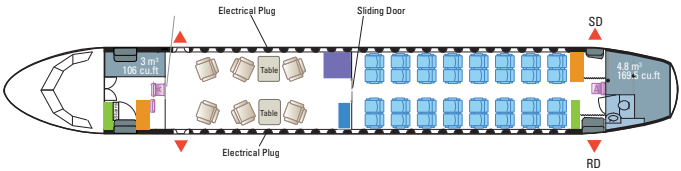
ATR Corporate



ATR 42 - 30 seats with a forward VIP lounge (8 seats) and 22 seats at 30"



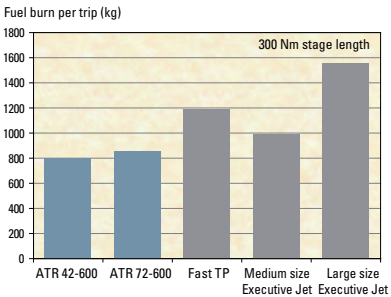
ATR 42 - 19 seats in two separated lounges: one at the front (8 seats) and one at the rear (11 seats)



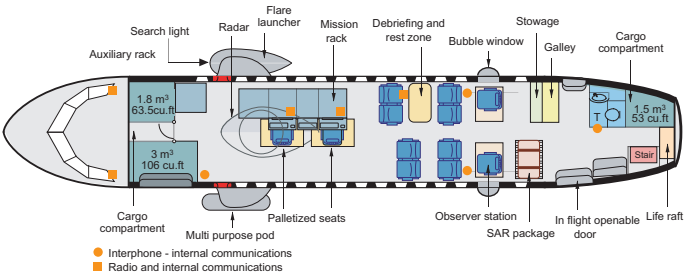
ATR 72 - 38 passengers with a forward VIP lounge (6 seats) and 32 seats at 31"

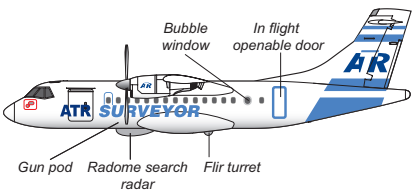
Emergency exit | Stowage | Galley | Baggage
Toilet | Coatroom | Freezer | A Attendant seat

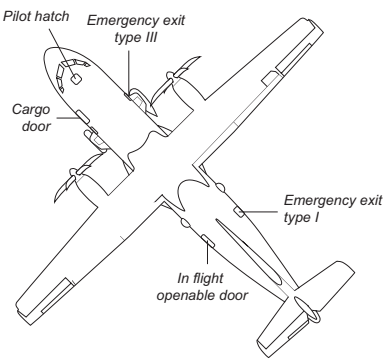
	ATR 42		ATR 72	
MTOW	18,600 kg	41,005 lb	22,800 kg	50,265 lb
MLW	18,300 kg	40,345 lb	22,350 kg	49,270 lb
Max payload	5,400 kg	11,905 lb	7,790 kg	17,174 lb

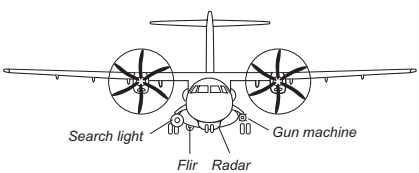


ATR Surveyor



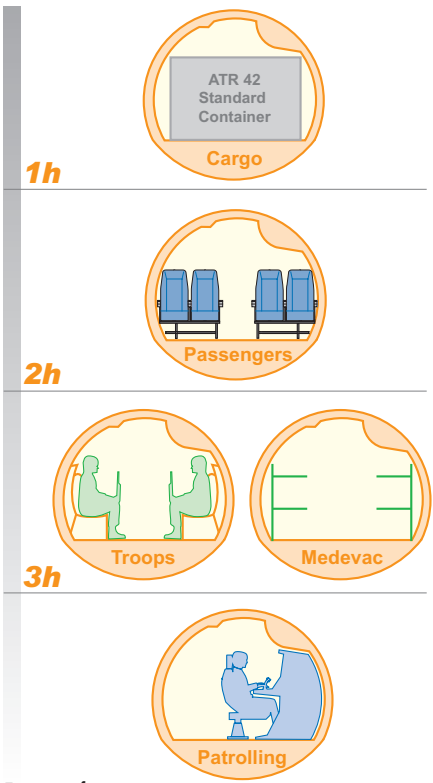






ROLES

- Vessel Search, Identification and surveillance
Search detection, identification, localisation and tracking of friendly/ hostile vessels
- Maritime and Coastal Surveillance
- Maritime Exclusive Economic Zone (EEZ) Surveillance
- Boat activity monitoring and illegal shipping control
- Fishery protection
- Illegal immigration, piracy and smuggling control
- Pollution Detection
Locate and detect sea pollution caused by accidental discharge of oil from ships or installations, or illegal washing out of tanks and bilges by merchant vessels.
- Search and Rescue (SAR)
Search, location and rescue of wrecked people from ships or aircraft, through dropping of survival equipment
- Outstanding Versatility
Single basic platform easily and quickly convertible for different mission profiles.
Structural and system provisions are available to install all equipments for quick and easy reconfiguration.
The high versatility allows to increase and to optimise the aircraft utilization, leading to coast savings.



Time to configure

ATR DC/E Marketing September 2011

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