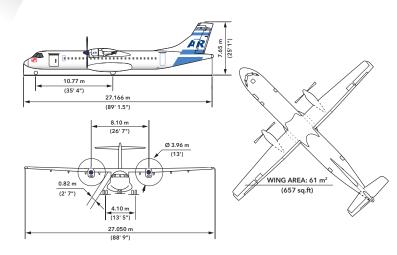
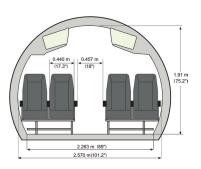
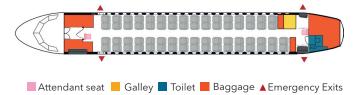
## ATR **72-210**





66 pax at 31" pitch



## ATR **72-210**

| STANDARD CONFIGURATION         66 seats           Engines Pratt & Whitney Canada         PW127           Take-off power         2,475 SHP           Max coff power - One engine         2,500 SHP           Max climb         2,192 SHP           Max cruise         2,132 SHP           Propellers Hamilton Standard           Blades - diameter         4 - 3.96 m - 13 ft           Weights           Max take-off weight (basic)         21,500 kg - 47,399 lb           Max take-off weight (potion)         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         1,291 m - 4,236 ft           > TOW for 300 NM - Max pax - SL - ISA         1,107 m - 3,632 ft           > TOW for 300 NM - Max pax - SL - ISA  |   |                       |  |
|--|---|-----------------------|--|
| 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           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)         19,700 kg - 43,430 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 - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW   | STANDARD CONFIGURATION                        | 66 seats              |  |
| 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           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)         19,700 kg - 43,430 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 (Typical in-service)         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 field load         5,000 kg - 11,023 lb           Airfield performance           Take-off distance         28asic - 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 - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing   | Engines Pratt & Whitney Canada                | PW127                 |  |
| Max continuous         2,500 SHP           Max climb         2,192 SHP           Max cruise         2,132 SHP           Propellers Hamilton Standard           Blades - diameter         4 - 3.96 m - 13 ft           Weights           Max take-off weight (basic)         21,500 kg - 47,399 lb           Max take-off weight (potion)         22,000 kg - 48,501 lb           Max landing weight (basic)         19,700 kg - 43,430 lb           Max zero fuel weight (basic)         19,700 kg - 43,430 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         3           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         1,107 m - 3,632 ft           TOW for 300 NM - Max pax - 3,000 ft - ISA +10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing field length (EASA Air Ops)         902 m - 2,959 ft </td <td>Take-off power</td> <td>2,475 SHP</td> | Take-off power                                | 2,475 SHP             |  |
| Max climb         2,192 SHP           Max cruise         2,132 SHP           Propellers Hamilton Standard           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)         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         1,291 m - 4,236 ft           > TOW for 300 NM - Max pax - SL - ISA         1,107 m - 3,632 ft           > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing field length (EASA Air Ops)         902 m - 2,959 ft           > Basic MLW - SL         902 m - 2,808 ft           > Reference speed at landing         170 KCAS  | Take-off power - One engine                   | 2,750 SHP             |  |
| Propellers Hamilton Standard   247F-1  | Max continuous                                | 2,500 SHP             |  |
| Propellers Hamilton Standard         247F-1           Blades - diameter         4 - 3.96 m - 13 ft           Weights         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         1,107 m - 3,632 ft           > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing field length (EASA Air Ops)         902 m - 2,959 ft           > LW (max pax + reserves) - SL         856 m - 2,808 ft           > Reference speed at landing         170 KCAS   | Max climb                                     | 2,192 SHP             |  |
| Blades - diameter  | Max cruise                                    | 2,132 SHP             |  |
| Blades - diameter  | Propellers Hamilton Standard 247F-1           |                       |  |
| 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)       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       1,211 m - 3,973 ft         > Option - MTOW - ISA - SL       1,291 m - 4,236 ft         > TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,808 ft         > Reference speed at landing       109 KIAS         En-route performance       170 KCAS   | ·   | 4 - 3.96 m - 13 ft    |  |
| 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)       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       1,211 m - 3,973 ft         > Option - MTOW - ISA - SL       1,291 m - 4,236 ft         > TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,808 ft         > Reference speed at landing       109 KIAS         En-route performance       170 KCAS   | Weights                                       |                       |  |
| 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       1,211 m - 3,973 ft         > Option - MTOW - ISA - SL       1,291 m - 4,236 ft         > TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,808 ft         > Reference speed at landing       109 KIAS         En-route performance       170 KCAS  |   | 21,500 kg - 47,399 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       3,000 kg - 11,023 lb         Doption - MTOW - ISA - SL       1,211 m - 3,973 ft         Doption - MTOW - ISA - SL       1,291 m - 4,236 ft         TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         Basic MLW - SL       902 m - 2,808 ft         Reference speed at landing       109 KIAS         En-route performance       170 KCAS   |   |                       |  |
| 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       9 Basic - MTOW - ISA - SL         Noption - MTOW - ISA - SL       1,291 m - 4,236 ft         TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         Basic MLW - SL       902 m - 2,808 ft         Reference speed at landing       109 KIAS         En-route performance       170 KCAS  |   |                       |  |
| 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       1,211 m - 3,973 ft         Option - MTOW - ISA - SL       1,291 m - 4,236 ft         TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         Sesic MLW - SL       902 m - 2,808 ft         Reference speed at landing       109 KIAS         En-route performance       Optimum climb speed       170 KCAS   |   |                       |  |
| 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         38asic - 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         1,107 m - 3,632 ft           TOW for 300 NM - Max pax - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing field length (EASA Air Ops)         902 m - 2,959 ft           Basic MLW - SL         902 m - 2,808 ft           LW (max pax + reserves) - SL         856 m - 2,808 ft           Reference speed at landing         109 KIAS           En-route performance         Optimum climb speed   | Max zero fuel weight (option)                 |                       |  |
| 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         1,211 m - 3,973 ft           Option - MTOW - ISA - SL         1,291 m - 4,236 ft           TOW for 300 NM - Max pax - SL - ISA         1,107 m - 3,632 ft           TOW for 300 NM - Max pax - 3,000 ft - ISA + 10         1,340 m - 4,396 ft           Take-off speed (V2 min @ MTOW)         113 KCAS           Landing field length (EASA Air Ops)         902 m - 2,959 ft           > Basic MLW - SL         902 m - 2,808 ft           > Reference speed at landing         109 KIAS           En-route performance         Optimum climb speed           Optimum climb speed         170 KCAS  |   | 12,450 kg - 27,447 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       1,211 m - 3,973 ft         Doption - MTOW - ISA - SL       1,291 m - 4,236 ft         TOW for 300 NM - Max pax - SL - ISA       1,107 m - 3,632 ft         TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         Sesic MLW - SL       902 m - 2,808 ft         Reference speed at landing       109 KIAS         En-route performance       Optimum climb speed       170 KCAS   | Operational empty weight (Typical in-service) |                       |  |
| Max fuel load       5,000 kg - 11,023 lb         Airfield performance         Take-off distance <ul> <li>Basic - MTOW - ISA - SL</li> <li>Option - MTOW - ISA - SL</li> <li>TOW for 300 NM - Max pax - SL - ISA</li> <li>TOW for 300 NM - Max pax - 3,000 ft - ISA + 10</li> <li>Take-off speed (V2 min @ MTOW)</li> <li>Landing field length (EASA Air Ops)</li> </ul> <ul> <li>Basic MLW - SL</li> <li>W (max pax + reserves) - SL</li> <li>Reference speed at landing</li> <li>109 KIAS</li> </ul> En-route performance       Optimum climb speed       170 KCAS  |   |                       |  |
| 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       1,107 m - 3,632 ft         > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,808 ft         > Reference speed at landing       109 KIAS    En-route performance Optimum climb speed 170 KCAS  | Max fuel load                                 |                       |  |
| 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       1,107 m - 3,632 ft         > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,808 ft         > Reference speed at landing       109 KIAS    En-route performance Optimum climb speed 170 KCAS  | Airfield performance                          |                       |  |
| > Option - MTOW - ISA - SL  > TOW for 300 NM - Max pax - SL - ISA  > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10  Take-off speed (V2 min @ MTOW)  Landing field length (EASA Air Ops)  > Basic MLW - SL  > LW (max pax + reserves) - SL  > Reference speed at landing  170 KCAS  1,291 m - 4,236 ft 1,107 m - 3,632 ft 1,340 m - 4,396 ft 1,340 m - 4,396 ft 113 KCAS  113 KCAS  8 902 m - 2,959 ft 109 KIAS  | Take-off distance                             |                       |  |
| > TOW for 300 NM - Max pax - SL - ISA  | > Basic - MTOW - ISA - SL                     | 1,211 m - 3,973 ft    |  |
| > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,959 ft         > LW (max pax + reserves) - SL       856 m - 2,808 ft         > Reference speed at landing       109 KIAS         En-route performance       Optimum climb speed         Optimum climb speed       170 KCAS   | > Option - MTOW - ISA - SL                    | 1,291 m - 4,236 ft    |  |
| > TOW for 300 NM - Max pax - 3,000 ft - ISA + 10       1,340 m - 4,396 ft         Take-off speed (V2 min @ MTOW)       113 KCAS         Landing field length (EASA Air Ops)       902 m - 2,959 ft         > Basic MLW - SL       902 m - 2,959 ft         > LW (max pax + reserves) - SL       856 m - 2,808 ft         > Reference speed at landing       109 KIAS         En-route performance       Optimum climb speed         Optimum climb speed       170 KCAS   | > TOW for 300 NM - Max pax - SL - ISA         | 1,107 m - 3,632 ft    |  |
| Landing field length (EASA Air Ops)  > Basic MLW - SL  > LW (max pax + reserves) - SL  > Reference speed at landing  En-route performance Optimum climb speed  170 KCAS  |   |                       |  |
| ➤ Basic MLW - SL         902 m - 2,959 ft           ➤ LW (max pax + reserves) - SL         856 m - 2,808 ft           ➤ Reference speed at landing         109 KIAS           En-route performance         0ptimum climb speed           170 KCAS  | Take-off speed (V2 min @ MTOW)                | 113 KCAS              |  |
| > LW (max pax + reserves) - SL 856 m - 2,808 ft > Reference speed at landing 109 KIAS  En-route performance Optimum climb speed 170 KCAS   | Landing field length (EASA Air Ops)           |                       |  |
| > Reference speed at landing 109 KIAS  En-route performance Optimum climb speed 170 KCAS   | > Basic MLW - SL                              | 902 m - 2,959 ft      |  |
| > Reference speed at landing 109 KIAS  En-route performance Optimum climb speed 170 KCAS   | > LW (max pax + reserves) - SL                | 856 m - 2,808 ft      |  |
| Optimum climb speed 170 KCAS   |   | 109 KIAS              |  |
| Optimum climb speed 170 KCAS   | En-route performance                          |                       |  |
|  |   | 170 KCAS              |  |
|  | Rate of climb (ISA, SL, MTOW)                 | 1,462 ft/min          |  |
| Time to climb to FL170 16.6 min  |   | 16.6 min              |  |
| One engine net ceiling (95% MTOW, ISA +10) 10,000 ft   | One engine net ceiling (95% MTOW, ISA +10)    | 10,000 ft             |  |
| Max Cruise speed (95% MTOW - ISA - Optimum FL) 279 KTAS - 517 km/h   | 9   | 279 KTAS - 517 km/h   |  |
| Fuel flow at cruise speed 760 kg/hr - 1,675 lb/h   |   |                       |  |
| Range with max pax 791 NM  |   |                       |  |
| 200 NM Block Fuel 618 kg - 1,362 lb  | -   | 618 kg - 1,362 lb     |  |
| 200 NM Block Time 61 min   | 200 NM Block Time                             | <u> </u>              |  |
| 300 NM Block Fuel 856 kg - 1,887 lb  | 300 NM Block Fuel                             | 856 kg - 1,887 lb     |  |
| 300 NM Block Time 83 min   | 300 NM Block Time                             |                       |  |