The latest generation turboprop

ATR-600 SERIES

Flexible and comfortable cabin
State-of-the-art avionics
Outstanding reliability
Best economics in the regional market
REINFORCING ITS LEADERSHIP POSITION

ATR AIRCRAFT ARE THE LEADERS IN THE 50/70-SEATER MARKET

A unique family of aircraft recognised for:
• Excellent versatility
• Outstanding reliability
• High level of comfort
• Unbeatable operating costs
• Low environmental impact
• Worldwide support presence

ATR’s strategy is to maintain the fundamental strengths of its aircraft while continuing to innovate and develop products and services which satisfy the demands of ATR operators worldwide.
ATR FAMILY COMMONALITY

ATR is the only manufacturer to offer new 50-seat and 70-seat aircraft.

1 PRODUCT, 2 SIZES

**ATR 72**
Recognised as the most cost-effective regional aircraft in its category.

**ATR 42**
The only 50-seater aircraft in production. Outstanding performance.

**Commonality in practice**
- 90% common spare parts
- Single ATR 42/72 type rating

**Advantages of commonality**
- Minimise risk of route development by using smaller-gauge aircraft
- Match aircraft capacity to traffic demand - two sizes / one fleet type
- Reduce costs (short transition training period, flight crew optimisation, reduced expenditure on spare parts, etc.)

**THE UNIQUE TURBOPROP FAMILY**
ARMONIA CABIN

ATR and Giugiaro Design worked together to create an ultra-modern, appealing and comfortable cabin.

THE HIGHEST LEVEL OF COMFORT IN THE TURBOPROP MARKET

Armonia cabin improvements

• Passengers benefit from greater comfort and space with more ergonomic and lighter slim seats.

• Wider reshaped overhead bins have been installed resulting in 30% more roller bags stowage capability. Thus, ATR passengers can carry a similar volume of baggage as they do in a single-aisle aircraft.

• The cabin ambience – LED lighting, cabin dimming, colour, cabin music – can be easily managed by flight attendants via the new touchscreen cabin management system.
The ATR cabin is the widest in the turboprop market, which ensures a high level of comfort and space for passengers.

A FLEXIBLE CABIN, ADAPTABLE TO DIFFERENT AIRLINE BUSINESS STRATEGIES

**ATR 42-600**
*From 46 to 50 seats*
Typical configuration, 48 seats

**ATR 72-600**
*From 68 to 78 seats*
Typical configuration, 70 seats

**ATR 72-600**
*High density*
78 seats

*Customisable cabin options including stretcher provisions, cargo containers, business class, etc.*
ATR’s philosophy is to continuously improve its family of aircraft. The ATR-600 Series has a state-of-the-art THALES glass cockpit which incorporates the latest technologies.

BEST IN CLASS FOR... TECHNOLOGY

THE MOST ADVANCED GLASS COCKPIT IN THE REGIONAL MARKET
FURTHER FLIGHT OPERATIONS OPTIMISATION AND SITUATIONAL AWARENESS

By design, this glass cockpit ensures no component obsolescence in the long-term given its modular and flexible architecture.

Composed of five interchangeable LCD screens, this new glass cockpit has 30% lower part numbers, features a better reliability and provides 15% maintenance cost reduction.

In addition, pilot workload is further reduced thanks to easier access to normal checklists and automatic pop-up of specific procedures linked to a fault message.

The ATR-600 Series aircraft feature improved communication, navigation and surveillance capabilities allowing further flight path optimisation and access to more challenging airports.

Functions
• RNP AR 0.3 APCH (Required Navigation Performance with Authorisation Required)
• LPV/APV (Localiser Performance / Approach Procedure with Vertical Guidance) with SBAS capability (EGNOS/WAAS)
• Baro VNAV (coupled with the auto-pilot)
• ADS-B out DO-260B (Automatic Dependent Surveillance Broadcast)

Class 2 Electronic Flight Bag (EFB)
• Aircraft manuals
• Jeppessen maps
• Performance calculation

Operational improvements
• Dual FMS (Flight Management System)
• T²CAS (Traffic & Terrain Collision Avoidance System)
UNRIVALLED VERSATILITY

By design, ATR aircraft have **excellent airfield capabilities**, allowing customers to operate at a wide range of airports.

On the 600 Series, ATR has enhanced its family with powerful Pratt & Whitney 127M engines, which further improve the performance at challenging airfields and in hot and high environments. Through two different options activated by the pilot, this engine offers extra power on request.

From short runways, pilots can choose the reserve take-off torque (RTO) procedure to increase the mechanical power in order to improve payload, reduce the take-off distance and avoid close-in obstacles. Out of hot and high airports, such as Bogota airport in Colombia, pilots can choose to increase the thermodynamic power of the engine and carry more payload.

In addition to the airfield performance benefits, the Pratt & Whitney 127M engine has also improved net ceiling by up to 1,000ft on the ATR 72-600 which further extends its capability to fly in mountainous areas.

**600 SERIES DISPATCH RELIABILITY: 99.7%**

The ATR-600 Series aircraft feature an excellent dispatch reliability following a long in-service experience with 27 million flight track record.

**BEST IN CLASS FOR... PERFORMANCE**
ATR-600 SERIES, ADAPTED FOR REGIONAL OPERATIONS IN ALL TYPES OF ENVIRONMENT

Increased design weights on the ATR-600 Series aircraft resulting in:

- Up to 500kg (1,100lb) higher payload for the same range.
- Up to 225Nm (420km) extended range performance at same payload.

Range at maximum passengers from - 825Nm

- Paris Charles de Gaulle
- Kuala Lumpur
- Rio de Janeiro

Assumptions: ISA, 85% annual wind, JAR fuel reserves, Typical OEW, 70 seats

Assumptions: ISA, 85% annual wind, JAR fuel reserves, Typical OEW, 70 pax at 95kg (209lb)
UNBEATABLE ECONOMICS

ATR aircraft are the most fuel efficient in the regional market.

ATR 72-600: THE LOWEST SEAT-MILE COST IN ITS CATEGORY

With its lighter structure, optimised speed and an engine designed for short sectors, the ATR 72-600 is, by far, the most fuel efficient regional aircraft.

BEST IN CLASS FOR... FUEL CONSUMPTION AND EFFICIENCY
ATR aircraft, especially the ATR 72-600, feature exceptionally low operating costs compared to competitors on typical regional sectors.

With an exceptional structural efficiency and low design weights, the ATR 72-600 offers:

- Significantly lower fuel bill
- Lower engine and airframe maintenance costs
- Lower airport and navigation charges (weight related charges).

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**Cash Operating Cost per trip on 250Nm**

<table>
<thead>
<tr>
<th></th>
<th>ATR 72-600</th>
<th>Direct TP competitor</th>
<th>70-seater RJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. US$</td>
<td>3,000</td>
<td>2,500</td>
<td>2,000</td>
</tr>
<tr>
<td>+20%</td>
<td>3,600</td>
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<tr>
<td>+40%</td>
<td>4,200</td>
<td>3,400</td>
<td>2,800</td>
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</table>

**Cash Operating Cost per seat on 250Nm**

<table>
<thead>
<tr>
<th></th>
<th>ATR 72-600 (70 seats)</th>
<th>Direct TP competitor (76 seats)</th>
<th>70-seater RJ (76 seats)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ref. US$</td>
<td>37</td>
<td>31</td>
<td>27</td>
</tr>
<tr>
<td>+11%</td>
<td>37+11%</td>
<td>31+11%</td>
<td>27+11%</td>
</tr>
<tr>
<td>+29%</td>
<td>37+29%</td>
<td>31+29%</td>
<td>27+29%</td>
</tr>
</tbody>
</table>

Environmentally Friendly

The 1st regional aircraft manufacturer to be ISO 14001-certified for the entire aircraft life cycle.

- July 2008: ATR is certified ISO 14001 for the activities and sites.
- June 2011: ATR is certified ISO 14001 for the aircraft life cycle.

Clean Sky is a European programme focused on EU-wide goals to reduce the environmental impact of aviation. As a participant in the Clean Sky project, ATR is responsible for installing the solutions developed on a test aircraft and approving them through a campaign of flight tests.

Best in Class for... Environment
ATR AIRCRAFT, LOW LEVEL OF EMISSIONS AND NOISE

• ATR aircraft levels of both external noise and gaseous emissions meet regulatory requirements with substantial margins.
• Regional turboprops operate at relatively low altitude, leaving the ozone layer unaffected and barely contributing to pollution of the upper atmosphere.

EMISSIONS
• The ATR fuel consumption advantage directly implies lower costs, lower emissions and makes it the optimal aircraft to develop the regional market.

<table>
<thead>
<tr>
<th>CO₂ emissions for a fleet of 10 aircraft</th>
</tr>
</thead>
<tbody>
<tr>
<td>70-seater RJ</td>
</tr>
<tr>
<td>Direct TP competitor</td>
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<tr>
<td>ATR 72-600</td>
</tr>
<tr>
<td>+51,000 tons</td>
</tr>
<tr>
<td>+25,000 tons</td>
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</tbody>
</table>

Assumptions: taxi 10min, ISA, JAR fuel reserves, 250Nm sector, Max payload, 2,500 flights/aircraft

NOISE
• ATR aircraft have a very low noise level thanks to the six-blade propeller design with a highly accurate electronic controller to synchronise the phasing between propellers.
• The ATR 72-600’s noise levels are significantly lower than the future regulatory requirements.

EPNdB

<table>
<thead>
<tr>
<th>Chapter 4 (2006)</th>
<th>ATR 72-600</th>
<th>Direct TP competitor</th>
<th>70-seater RJ</th>
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<tbody>
<tr>
<td>-9</td>
<td>-7</td>
<td>+6</td>
<td>271</td>
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<tr>
<td>Chapter 14 (2017/2020)</td>
<td>264</td>
<td></td>
<td></td>
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</tbody>
</table>
ATR is committed to helping its customers operate safely and efficiently. To achieve this goal, ATR offers a wide range of services covering training, management of spare parts, material and maintenance, as well as flight operations services.
4 Customer Service Centers
6 Spare Parts Warehouses
6 Training Centers*
5 Offices
3 Regional Customer Support Offices

*Includes partner training centers

COMMITTED TO CUSTOMERS WORLDWIDE