The New Standard in Regional and Feeder Cargo Transport

Large Cargo Door

Large Cargo Door
116” x 71”

Accommodation of standard ULDs (such as LD3 containers or 88” x 108” pallets) provides a powerful competitive advantage to cargo regional and feeder operators. The large cargo door conversion enables it for both the ATR 42 and ATR 72. Associated to a complete stripping of standard furnishings and addition of specific cargo equipment (9g stop net, floor reinforcement, class E cabin, light or structural linings, window plugs), it provides operators with a flexible, multipurpose cargo platform for transportation of ULD, pallets, bulk freight or both, the gross usable volume being up to 56m$^3$ for the ATR 42 and up to 75.5m$^3$ for the ATR 72 model.

O.E.M. Competitive advantages

Alenia, the original manufacturer of ATR fuselage is responsible for the conversion design, and Aeronavali, Alenia subsidiary, is the selected outfitter.
ATR Cargo Family Effectiveness

Beyond family operational flexibility for volume and payload, ATR 42 and 72 commonality allows:
- Spare parts optimisation
- Cross crew qualification
- Common ground equipment resulting in significant savings for the operator.

Availability and Support

With more than 640 deliveries and ongoing new aircraft production, long term availability of ATR platforms for conversions, as well as continued efficient support, is ensured for cargo operators.

Large Cargo Door

- Hydraulically actuated
- Equipped with view ports for locked latches verification
- An auxiliary crew door (24" x 48") is incorporated
- Max door opening: 110°
- Door tip distance from ground: 4.041m (13.25 ft)
- Door sill height: 1.050m (3.44 ft)

Payload/Range - LCD and light lining version - CLS included

En-route assumptions:
- ISA, no wind
- Reserves: 45 min continued cruise + 87 Nm alternate airport

ATR 42
- OEW 10,240 kg/22,545 lb

ATR 72
- OEW 11,907 kg/26,250 lb

Performance

Large Cargo Door - LCD and light lining version

- MTOW 16,900,000 kg/37,257 lb
- MLW 16,400,000 kg/36,155 lb
- MZFW 15,540,000 kg/34,259 lb
- OEW (typical, 9g stop net) 10,029,000 kg/22,110 lb

Provision for CLS**

Max gross PL 5,300,000 kg/11,684 lb

Max linear load (st) 510 kg/m 28 lb/inch

Max linear load (opt) 610 kg/m 34 lb/inch

LD3

Interline Capability: 88” x 108”

Payload/Range - LCD and light lining version - CLS included

ATR 42-300/-320

ATR 72-200*

Quiet overnight operations

ICAO - Annex 16 - Chapter III (EPNdB)

ATR family is compliant with Chapter III limits: the cumulative margins are wide enough to comply with Chapter IV requirements.

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

Interline Capability: 88” x 108”

88” x 108” container loading