The New Standard in Regional and Feeder Cargo Transport

The Tube

Bulk Freighter Conversion

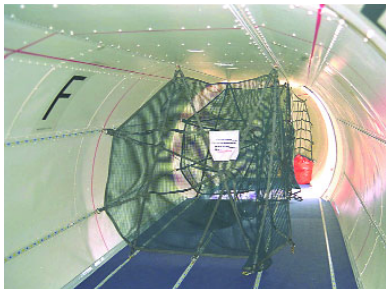
The benefits of the ATR family are now available for cargo operators. With the widest fuselage section in its class, a standard front cargo door (51" x 62"), a low sill height, coupled with unmatched economics and reliability, ATR aircraft constitute the best available platform in their category. To fully optimize their payload and volume capabilities, ATR has developed a dedicated bulk freighter conversion program, available for both ATR 42 and ATR 72.

The conversion includes a complete stripping of standard furnishings, floor reinforcement, class E cabin, window plugs and addition of specific cargo equipment: light lining, or structural lining and 9g vertical nets, with six additional longitudinal tracks allowing flexibility for net attachment positions. The resulting platform maximises payload capability for bulk freight operations, the gross usable volume being up to 56m^3 for the ATR 42 and up to 75.5m^3 for the ATR 72 model.

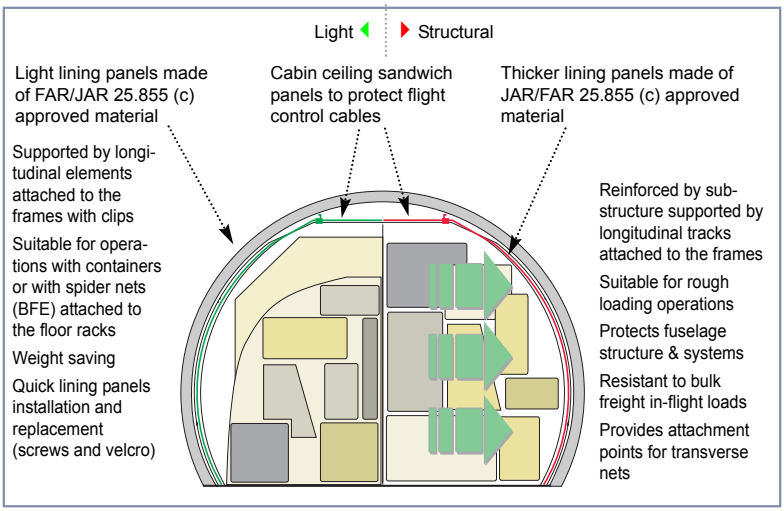
O.E.M. Competitive Advantages

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

Structural tube - Transverse nets installation



Light and Structural Tube



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.

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.

Light tube

Bulk freight with BFE spider nets, maximizing payload for dense bulk transportation.

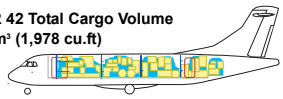
Structural tube

Existing 1.295 x 1.575m (51" x 62") cargo door provides adequate accessibility for bulk freight and dedicated containers loading.

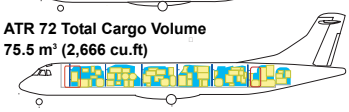
Adapted fuselage lining combined with transverse nets installation (adjustable) adds flexibility to loading arrangements and optimize volume utilization.

ATR Loading Bulk Freighter

ATR 42 Total Cargo Volume
56 m³ (1,978 cu.ft)



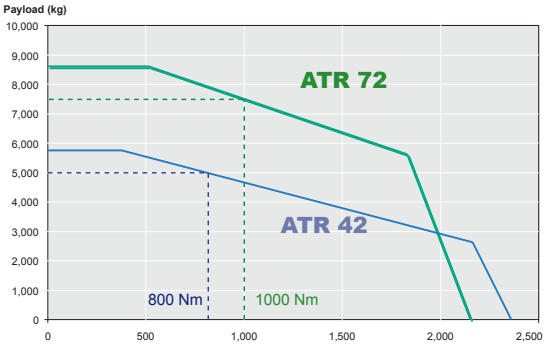
ATR 72 Total Cargo Volume
75.5 m³ (2,666 cu.ft)



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

Performance

Payload/Range - Light lining version



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

ATR 42
OEW 9,787 kg/21,576 lb

ATR 72
OEW 11,396 kg/25,123 lb

Weights and volumes

	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

** Optional weights*

ATR Tube Variants - Light lining version

	ATR 42-300/-320		ATR 72-200*	
OEW	9,787 kg	21,576 lb	11,396 kg	25,124 lb
Max net P/L	5,753 kg	12,683 lb	8,604 kg	18,968 lb
Gross usable volume	47 m³	1,660 cu.ft	64 m³	2,260 cu.ft

** Optional weights*

ATR Tube Variants
Structural lining and vertical net version

	ATR 42-300/-320		ATR 72-200*	
OEW (typical, incl. nets)	9,927 kg	21,885 lb	11,577 kg	25,522 lb
Max net P/L	5,613 kg	12,374 lb	8,423 kg	18,569 lb
Gross usable volume	56 m³	1,978 cu.ft	75.5 m³	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

DC/VE/T 2192/02 - June 2003 - The information contained in this document are presented in good faith and do not in any way constitute an offer or a warranty.
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