



## Antonov AN-124-100 / AN-124-100M-150 Ruslan

Antonov Airlines was the first operator to offer the AN-124-100 "Ruslan" to the commercial market. Thirty years on, as the owner and operator of seven AN-124-100s (including two modernised versions with an increased payload up to 150,000 kg (330,693 lbs), Antonov Airlines continues to set the standards.

The AN-124-100 can load shipments weighing up to 120,000 kg (264,555 lbs). However, two of Antonov Airlines' seven AN-124-100s have been modified to accept 150,000 kg (330,693 lbs). To handle this increased weight, a new digital anti-skid braking system has been installed, together with strengthened tyres. The forward loading ramp has also been reinforced to accept heavier payloads. Designated

AN-124-100M, "Antonov Airlines" modernised versions boast upgraded navigation systems (P-RNAV) and fully comply with the latest ICAO avionics and noise regulations, meaning that they can operate globally and without restriction.

The AN-124 fuselage comprises a double-deck layout. The lower deck measures 36.5 m (119 ft 9 in) in length, 6.4 m (20 ft 11 in) in width and 4.4 m (14 ft 5 in) in height. The upper deck consists of the cockpit in the forward section, and a technician/ cargo attendant's compartment in the rear.

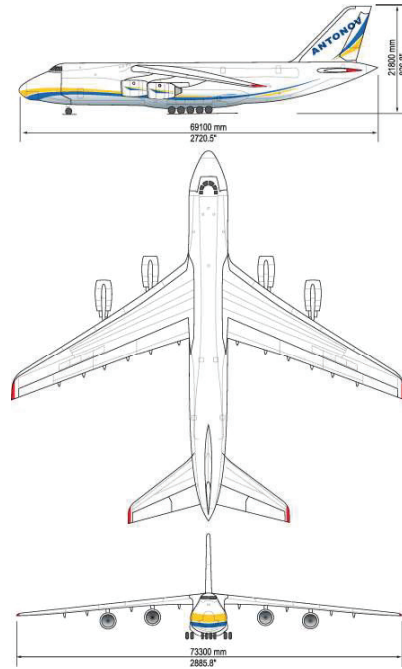
There is also a well-equipped living area for the crew, which is useful on long-haul flights or when operating in remote areas.

The AN-124-100 is equipped with a system of overhead cranes, which can lift single pieces weighing up to 30,000 kg (66,139 lbs), meaning that minimal ground support is required. To load single pieces weighing up to 120,000 kg (264,555 lbs), the AN-124-100 uses its specially-designed landing gear to adjust its ground angle allowing the aircraft to "kneel". The AN-124-100 can then be loaded through the nose cargo door using its own extendable ramp. This method of loading can also be used to accept wheeled or tracked vehicles.



### Antonov AN-124-100M-150 vs AN-124-100 – the facts:

- **Payload increased up to 150,000 kg (330,693 lbs)** through reinforcement of fuselage structure, cargo floor, cargo ramp, and tyres;
- **Weight of single-piece cargo increased to 120,000 kg (264,555 lbs)** following fuselage structure reinforcement and installation of nose door auxiliary supports;
- **Compliance with P-RNAV** conditions following upgrading of flight and navigation equipment;
- **Take-off weight and fuel weight increased** enhancing aircraft range;
- **Engine noise level reduced** following installation of sound-absorbing cowlings;
- **Flight range increased;**
- **Reshaped nose for better aerodynamic and fuel efficiency.**



	AN-124-100	AN-124-100M-150
<b>Maximum Payload</b>	120,000 kg (264,555 lbs)	150,000 kg (330,693 lbs)
<b>Maximum Volume</b>	1,040 CBM	1,040 CBM
<b>Cargo Cabin LWH</b>	36.5 x 6.4 x 4.4 m (1437 x 251.9 x 173.2 in)	36.5 x 6.4 x 4.4 m (1437 x 251.9 x 173.2 in)
<b>including Ramp</b>	43.7 x 6.4 x 4.4 m (1877.9 x 251.9 x 173.2 in)	43.7 x 6.4 x 4.4 m (1877.9 x 251.9 x 173.2 in)
<b>Cargo Door WH</b>	6.4 x 4.4 m (251.9 x 173.2 in)	6.4 x 4.4 m (251.9 x 173.2 in)
<b>On-Board Crane Lifting Capacity</b>	30,000 kg (66,139 lbs) lift	30,000 kg (66,139 lbs) lift

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