

C-27J SPARTAN Next Generation

Unrivalled multi-mission airlifter



AIRCRAFT DIVISION

 **LEONARDO**

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The Leonardo C-27J Spartan Next Generation is the most effective multi-mission turboprop airlifter available on the market, now with comprehensive new avionic systems to comply with the new PBN international standard to operate in civil air space without limitations and winglets for improved climb and MTOW performance. Its capability to operate from the most rudimentary airstrips, performing short take-offs and landings (STOL) in extreme environmental conditions is unparalleled by any other twin-engine military transport aircraft.

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The Spartan is mission-proven in all continents by a number of prestigious Air Forces in tactical transport, humanitarian assistance, disaster relief, "last tactical mile" troop support and Search and Rescue in the world's most demanding operational environments, including Afghanistan.

Thanks to exceptional structural strength and systems redundancy by design, the Spartan is a uniquely capable turboprop, with unparalleled ruggedness, reliability, survivability and maneuverability (3 g tactical maneuvers). Its Auxiliary Power Unit (APU) provides an independent power source which is useful for missions at improvised airfields and can be used to restart engines in flight.

The aircraft can be equipped with a Defensive Aids Sub-Systems suite, secure communications and ballistic protection in order to operate in high threat environments.

Designed as a true military aircraft, the Spartan is qualified for extreme temperature conditions, -55°C to ISA+ 35°C (i.e. +50°C at sea level) and it is capable to carry its load in very hot and high conditions as already demonstrated in service.

Thanks to multiple, easily installable and transportable mission kits, the C-27J Next Generation can be configured to carry out the following missions:

- Troops Transport (46 and up to 60 with high density configuration)
- Paratroops Airdrop (46)
- Cargo Transport (bulk loads, wheeled and tracked vehicles, aircraft engines, light helicopters, 463L standard pallets) without repacking or dismounting parts, straight to the frontline, even from C-130/CH-47 class aircraft
- Cargo Airdrop (up to 6 A22 CDS bundles, up to 9,000 kg with two platforms)
- Medevac (up to 36 stretchers and 6 medical attendants)
- VIP Transport (module for 6 VIP and 18 escort passengers on roll-on/roll-off pallet)
- Fire Fighting (roll-on/roll-off Fire Attack System with 9,850 l capacity)



CHARACTERISTICS

WEIGHTS

MTOW	71,650 lb	32,500 kg
Maximum Landing Weight	67,241 lb	30,500 kg
Max Payload	24,912 lb	11,300 kg
Max Payload (tactical)	17,196 lb	7,800 kg
Fuel Capacity	3,255 US gal	12,320 l

POWERPLANT

Engines: 2 Rolls-Royce AE 2100-D2A	4,637 shp each	3,458 kW each
Propellers 2 Dowty R-391 six-blade		

PERFORMANCE

Take-Off Ground Run (MTOW, ISA, S.L.)	2,264 ft	690 m
Landing Ground Roll (MLW, ISA, S.L.)	1,279 ft	390 m
Top Cruising Speed	325 KTAS	602 km/h
Service Ceiling	30,000 ft	9,144 m
Cruise Altitude (95% MTOW)	27,500 ft	8,382 m
Range with 10,000 lb (4,536 kg) of Payload @ MTOW normal, ISA	2,730 nm	5,056 km
Max Range	3,160 nm	5,852 km