

DEFENCE AND SPACE
Military Aircraft

C295

Armed ISR Versions



AIRBUS

C295 Armed ISR Versions

Contents

The response to current needs	005
Transport configurations	006
Special Operations Versions	008
Air Mobility	011
Air ISR	013
Air Strike	015
A proven state-of-the-art mission system	017
Specifications and dimensions	018
Highlights	019



Airbus Defence and Space is a world leader in aerospace and defence, offering best in-class aircraft to cover the most demanding missions, supported by Airbus engineering excellence, professional program management and a global approach to its supply chain and fleet support.

The C295 is the market leader transport aircraft in its category, proven and in operation with 34 operators in transport and ISR versions, being the most missionized aircraft in its class.

C295 aircraft are tailored to each buyer's unique military requirements. Different versions are delivered very rapidly, efficiently leveraging existing modifications.



No matter when the operation is carried out, by day or night, in civil or military airspace, in hot or in cold weather –or where the mission is performed– in an equipped base or in a remote area, on a paved airfield or on soft terrain: **the C295 is ready to conduct successfully any type of mission required by today's Armed Forces.**

THE **RESPONSE** TO CURRENT NEEDS

The C295 is the most versatile and efficient tactical transport aircraft on the market today

- Exceptional mission flexibility and rapid cargo space reconfiguration
- Optimized for efficient transport and delivery of standard payloads:
 - Cargo pallets, Container Delivery System (CDS), troops, paratroopers, Medical Evacuation (MEDEVAC)
- In service with Armed Forces in 31 countries; ordered by 34 operators, 16 of them with repeat orders (200+ sales), and more than 500 000 accumulated FH
- Extremely effective and reliable, operating in austere, remote airfields, and in adverse weather conditions e.g.: Finland, Afghanistan, Algeria, Brazil, Ghana, Iraq or Egypt





TRANSPORT CONFIGURATIONS

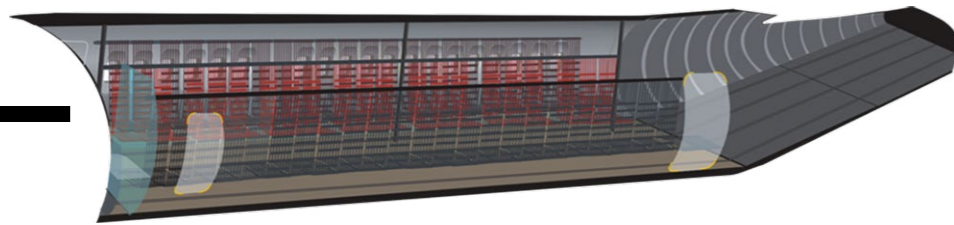


HIGHLY VERSATILE PLATFORM, MANY DIFFERENT ROLES



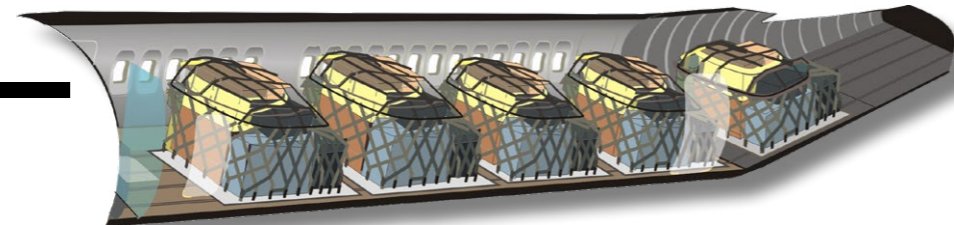
Troop transport

71 Troops / 49 paratroopers +
Jump master



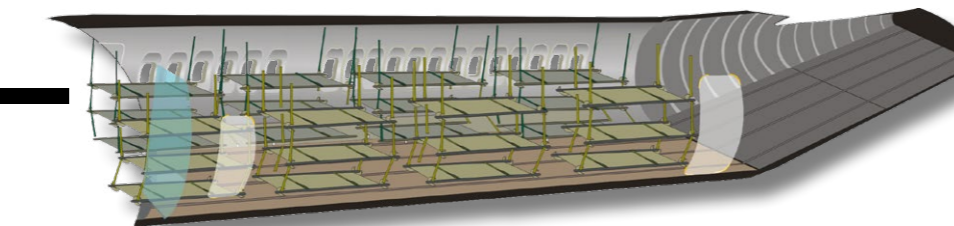
Cargo transport

5 standard 88" x 108" pallets /
8 containers A-22



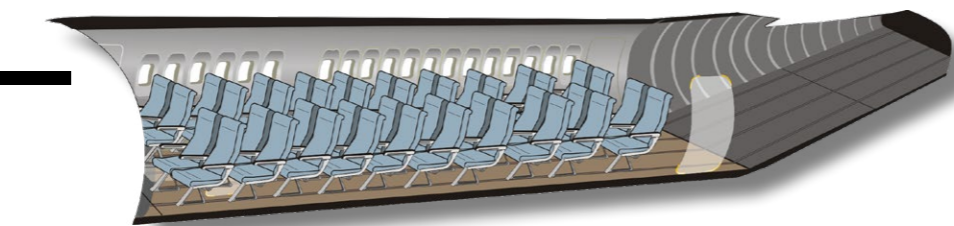
MEDEVAC

24 stretchers + 7 medical
attendants



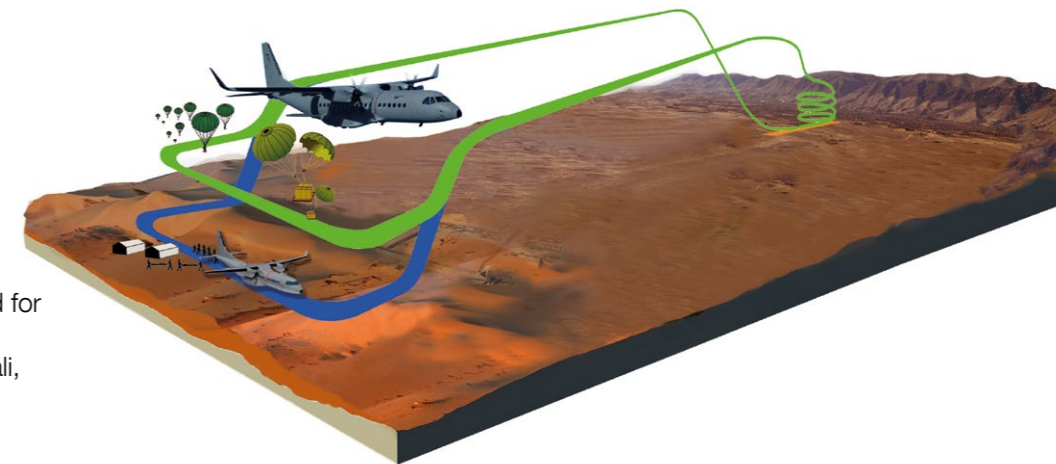
Personnel transport

Up to 50 seats



- Transports more cargo, troops, stretchers and pallets
- Very short take-off and landing performance
- Lower operating costs
- Higher mission availability
- Full In-Service Support

The C295 has been proven in deployments to remote areas and for humanitarian missions: Iraq, Afghanistan, Chad, Haiti, Mali, Sinai...



MISSION SCENARIO

C295 is quickly reconfigurable for MEDEVAC or to carry cargo, troops, paratroops or vehicles



SPECIAL OPERATIONS VERSIONS



AIR MOBILITY

- C295 configured to comply with NATO special operations aircraft requirements
- Prepared to perform infiltration, exfiltration and resupply missions in hostile environments



AIR ISR

- C295 ISR equipped with a flexible sensor suite
- FITS tactical system as mission system core, with an adaptable number of mission consoles



AIR STRIKE

- C295 Armed ISR with missiles, rockets and bombs
- Optionally equipped with a 27 mm autocannon, aimed by an EO/IR sensor

PREPARED FOR
THE **MOST**
DEMANDING
MISSIONS

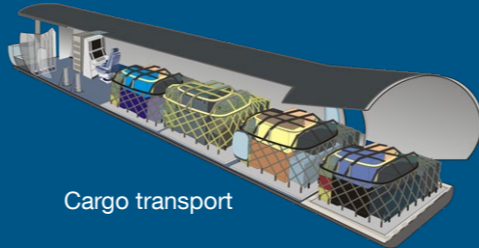
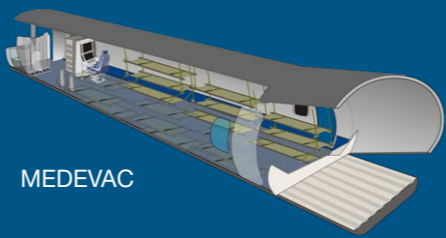
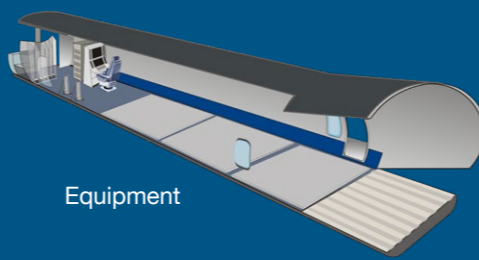
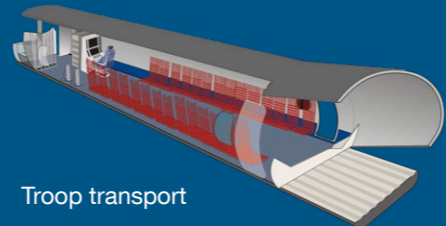
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AIR MOBILITY

- Compliant with NATO special operation forces category IV aircraft requirements
- Infiltration, exfiltration, resupply and close air support missions
- Precision airdrop with GPS
- Synthetic vision system and HUD for tactical and low altitude flights
- High-Definition EO/IR sensor for aerial reconnaissance and troop support
- Comprehensive communication suite: wide band data link, ku-ka band SATCOM, HF, V/UHF radios, tactical data link (link 16)
- Increased survivability in hostile environments with a full self-protection suite and a reduced IR signature due to the engine IR suppression system
- Reconfigurable cabin to meet any mission requirement
- Air-to-air refuelling probe to receive fuel in flight
- Air-to-Air refuelling kit, consisting on fuel tanks inside the cabin for aerial refuelling of helicopters and fighter aircraft. Same tanks may be used for FARP operations

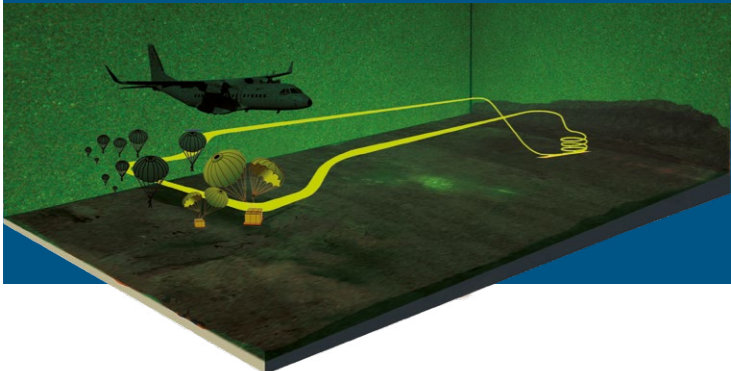
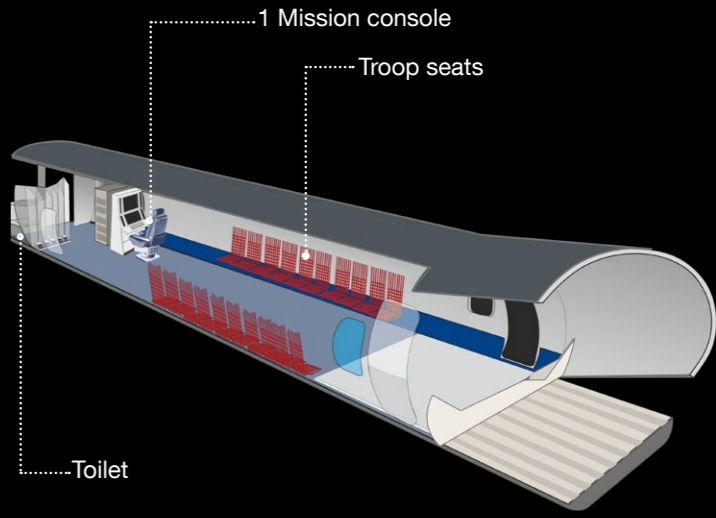
MISSION **SCENARIO**

- Performance information:
- Mission endurance: over 12 hours
 - Time on station:
 - 10 h at 200 nm
 - 8 h at 400 nm
 - Range: more than 2500 nm
 - Assumptions:
 - ISA, sea level
 - Patrol altitude: 5000 feet
 - Reserves: 45 min at 5000 feet

OTHER ROLES



INTERNAL CONFIGURATION





AIR ISR

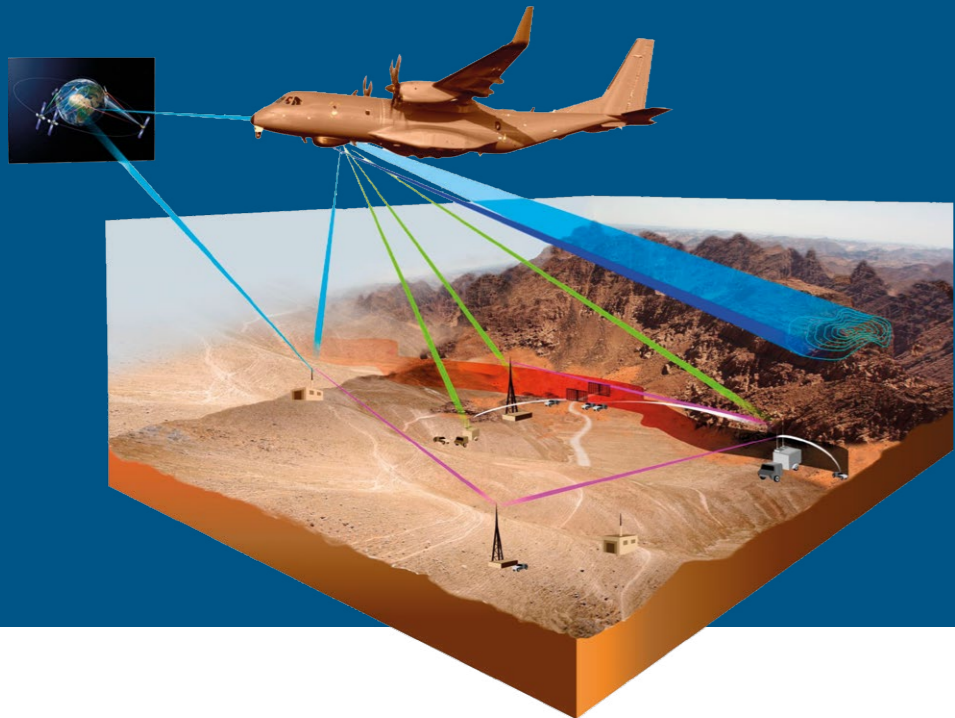
Equipped with an EO/IR sensor and a multi-mission Radar, the C295 performs aerial border surveillance and data dissemination.

- EO/IR turret provides TV video in high-definition, IR imaging, a long-range zoom and laser range finder
 - Video received by ground troops via a handheld terminal in real time
 - Video can also be sent to other ground terminals or to a C2 centre
- Radar provides SAR imaging of the terrain and GMTI
- C295 can act in a C2 role thanks to a complete communication suite
- Over 11 hours of mission endurance performing a ground surveillance mission
- Comprehensive communication suite: wide band data link, ku-ka band SATCOM, HF and V/UHF radios
- Equipped with machine guns to dissuade enemy troops and to safely support ground troops during infiltration and exfiltration missions

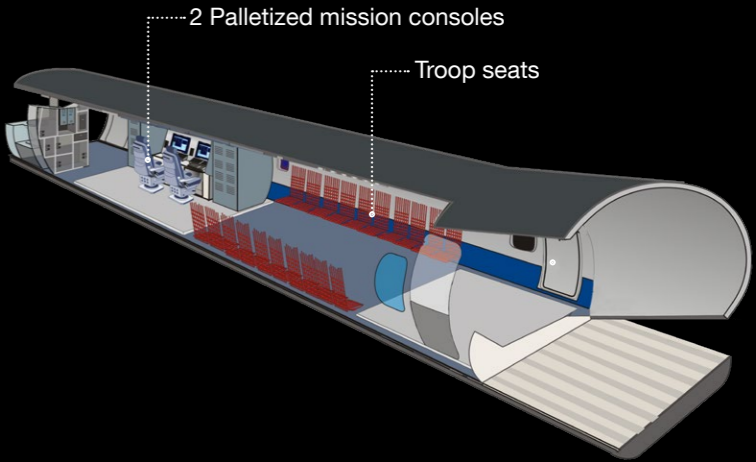
MISSION SCENARIO

Performance information:

- Mission endurance: over 11 hours
- Time on station:
 - 9.5 h at 200 nm
 - 7.5 h at 400 nm
- Range: more than 2300 nm
- Assumptions:
 - ISA, sea level
 - Patrol altitude: 5000 feet
 - Reserves: 45 min at 5000 feet



INTERNAL CONFIGURATION





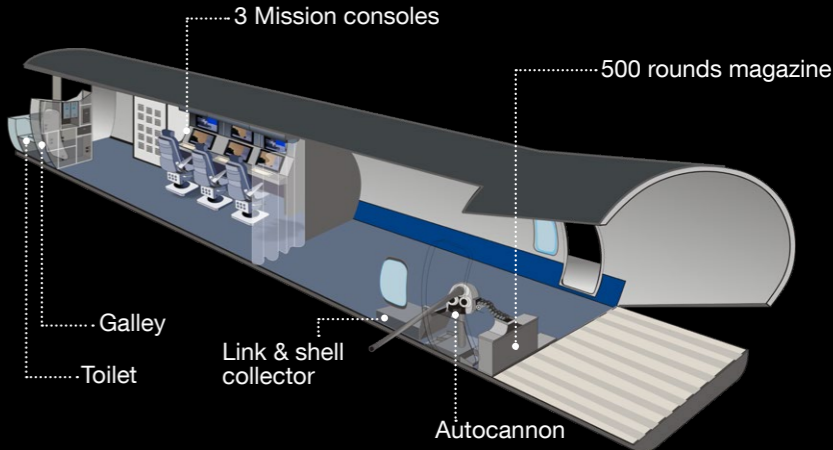
AIR STRIKE

Persistent ISR aircraft with precision strike capabilities

The C295 Armed ISR is a long endurance surveillance aircraft equipped with a comprehensive set of laser guided weapons and an EO/IR aimed autocannon to conduct cost-effective Close Air Support (CAS) operations.

- Longest endurance in its class with a wide cross section for a comfortable surveillance
- Flexibility of sensors to perform surveillance missions
- Proven Fully Integrated Tactical System (FITS) as Mission System core
- Armament
 - Flexibility on weapons integration
 - Efficient under-wing weapons carriage
 - Safe weapon integration by the aircraft OEM

INTERNAL CONFIGURATION





The FITS tactical system developed by Airbus, **integrates, displays and controls in real time** the mission sensors and the aircraft's navigation and communication systems



A PROVEN STATE-OF-THE-ART MISSION SYSTEM

The Fully Integrated Tactical System (FITS) is a state-of-the-art mission system that is the result of over 30 years of Airbus experience in the ISR field perfecting its features and the integration with the aircraft. The FITS system is proven with 99 aircraft belonging to 28 different operators.

MODULAR

Based on an Open System Architecture (OSA), FITS uses ruggedized Commercial-Off The Shelf (COTS) equipment to maximize portability, modifiability, reusability and growth capability.

FLEXIBLE

Fully adaptable to customer requirements either in number of consoles and sensor integration or customized functionalities within the tactical system. Aircraft equipped with FITS are able to operate in network-centric environments providing cross cueing to other platforms and units.

INTUITIVE

To provide operators in both the air and on the ground with a real-time common tactical picture improving the situational awareness, collection coordination, analysis, interpretation, visualization and decision making on all ISR missions to be performed.

FITS Multifunctional Consoles (MFCs) are designed to reduce the operator workload and provide redundant access to system and sensors functionalities. Any Mission Sensor can be operated from any of the MFCs.

SINGLE POINT OF CONTACT

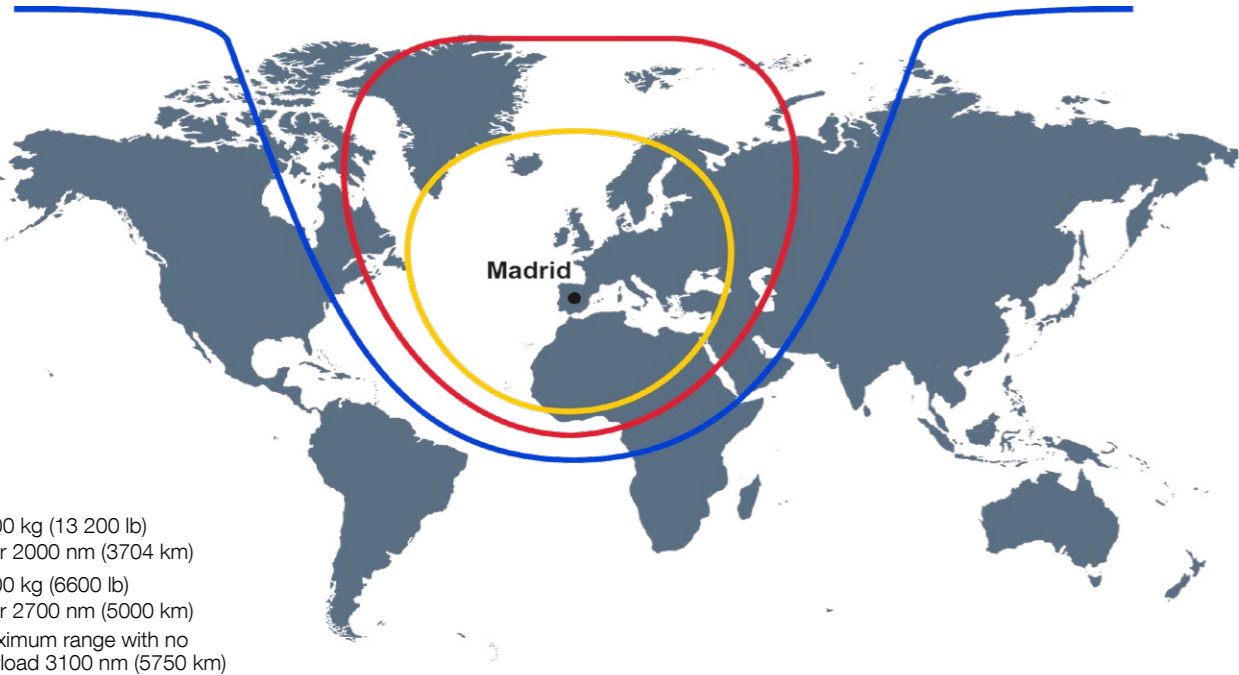
As the aircraft and mission system manufacturer and sensor integrator, Airbus DS takes care of all aspects of the aircraft, being the single point of contact for the support during the whole life of the aircraft.



SPECIFICATIONS AND DIMENSIONS

Dimensions		
Overall length	24.50 m	80 ft 3 in
Overall height	8.66 m	28 ft 5 in
Wing span	27.59 m	90 ft 6 in
Cabin length (ramp excluded)	12.69 m	41 ft 8 in
Cabin height	1.90 m	6 ft 3 in
Cabin width	2.70 m	8 ft 10 in
Weights		
Maximum Take Off Weight	23 200 kg	51 150 lb
Maximum Landing Weight	23 200 kg	51 150 lb
Maximum payload (*)	9000 kg	19 850 lb
Usable fuel capacity	7500 l	1980 USG
Performance		
Maximum cruise speed	480 km/h	260 kts
Normal operating altitude	7620 m	25 000 ft
Equivalent cabin altitude	2400 m	8000 ft
Ferry range	5750 km	3100 nm
Take off run (ISA, S/L, 21 000 kg)	670 m	2200 ft
Landing roll (ISA, S/L, 20 700 kg)	320 m	1050 ft
Power Plant		
Engines: 2 Pratt & Whitney Canada PW127G of 2645 shp each		
Propellers: 2 Hamilton Sundstrand HS 568F-5		

* final maximum payload will depend on the configuration selected by the customer



— 6000 kg (13 200 lb)
over 2000 nm (3704 km)
— 3000 kg (6600 lb)
over 2700 nm (5000 km)
— Maximum range with no
payload 3100 nm (5750 km)



HIGHLIGHTS

NVG capable avionics

Efficient power plant
proven and reliable PW127G with
low fuel burn

WINGLETS
Reduced fuel consumption and better
performance in hot & high conditions



The **LONGEST CABIN**
in its class (12.69 m)

ROBUST LANDING GEAR
for operations on short and unpaved
runways

LONG REAR RAMP
Kneeling system not required

- The **RIGHT PERFORMANCE** for daily tactical missions
 - State-of-the-art systems & avionics
 - High rates of climb and descent
 - Certified for engine battery starts. APU not required
 - Smooth and precise handling qualities
 - Low fuel consumption: 500 kg per FH
 - 11 hours in the air for ISR missions. Longest endurance in its class
- **LOW MAINTENANCE:** All checks performed by operator for the first 8 years of operation
- The **LOWEST LCC** in its segment
- **SUCCESSFULLY PROVEN IN ALL CONDITIONS:**
 - Extreme hot / extreme cold temperatures
 - Desert / jungle / maritime environments
 - Day / night

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Reference: TMMP0154/06/2021

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