



← EMBRAER



05 KC-390 MILLENNIUM
06 WORLDWIDE PRESENCE
08 VALUE PROPOSITION
09 PERFORMANCE AND SPECIFICATIONS
10 CERTIFICATION
11 INCREASED MOBILITY
13 CARGO CAPACITY
5 RUGGED DESIGN

17 MISSION MODULES
19 AERIAL RESUPPLY
21 COMBAT OFFLOAD
22 AERIAL ASSAULT
23 AIR-TO-AIR REFUELING
27 AERIAL FIREFIGHTING
28 SEARCH AND RESCUE
29 HUMANITARIAN AID
30 MEDICAL EVACUATION
31 SPECIAL OPERATIONS

33 CARGO
34 ADVANCED CARGO HANDLING
36 THE MOST COMPREHENSIVE FLEXIBILITY
41 THE AIRCRAFT
42 STATE-OF-THE-ART TECHNOLOGY
44 AVIONICS
6 FULL FLY-BY-WIRE
SYSTEMS

 ERGONOMIC AIRCRAFT INTERIOR EASIER TO MAINTAIN LOGISTIC SUPPORT AND TRAINING THE ADVANTAGES DEFENSE ENVIRONMENTS



KC-390 MILLENNIUM

THE ANSWER TO THE 21ST CENTURY DEMANDS

The new generation military multi-mission transport aircraft with unrivaled mobility and operational flexibility in a single platform. This provides air forces with optimal fleet performance generated by a cost-effective combination of high availability and productivity.





WORLDWIDE PRESENCE

EMBRAER WAS BORN FOR DEFENSE as a successful strategic plan by the Brazilian Government. The company was founded in 1969 and is recognized globally for the quality of its products and services. Privatized in 1994 and listed on the New York Stock Exchange, Embraer is a global leader in solutions for Defense and space, offering an integrated portfolio from aircraft to complex border surveillance systems. Learn more about our products and services at defense.embraer.com/global.

CLIENT	QTY	1 ST DELIVERY
BRAZIL	19	2019
PORTUGAL	05	2023 💝 NATO
HUNGARY	02	2024 🛞 NATO
REPUBLIC OF KOREA	03	
NETHERLANDS	05	₩ NATO
AUSTRIA	04	
CZECH REPUBLIC	02	⇔ NATO
UNDISCLOSED	02	
SWEDEN	Selected	∜ NATO
SLOVAKIA	Selected	



WORLDWIDE PRESENCE



VALUE PROPOSITION

MULTI-MISSION CAPABILITYTO PERFORM MORE WITH A SINGLE AIRCRAFT

Built-in multi-mission capability Built-in rapidly reconfigurable multi-mission design

PRESERVE INTEGRITY OF THE LIVES AND THE ASSET

Safety level comparable with most modern commercial jets Improved aircraft survivability level Low crew workload

OPTIMAL, AVAILABLE AND COST-EFFECTIVE OPERATIONAL FLEET

Low life cycle cost, High availability and Reduced fleet size

HIGHER PERSONNEL READINESS UPON DEPLOYMENT POINT OR ARRIVAL

Cabin comfort: enhanced crew and pax environment

CONFIDENCE IN MISSION ACCOMPLISHMENT

Easy to fly and low crew workload and High completion rate

OPERATION FLEXIBILITY

Can operate with minimal ground support and in austere environments, including operations from unpaved or damaged runways

UNRIVALED MOBILITY IN ITS CLASS

High productivity and Fast loading and unloading



PERFORMANCE AND SPECIFICATIONS

PERFORMANCE

ton / 57,320 lb	Maximum Payload (Concentrated)
ton / 50,706 lb	Maximum Payload (Distribuited)
ton / 52,690 lb	Fuel Capacity (wing tanks, usable)
TAS/Mach 0.80	Maximum Cruise Speed
36,000 ft	Altitude Ceiling
8,000 ft	Cabin altitude (at max ceiling)
1,080 nm	Range with 26 metric ton (57,320 lb)
1,470 nm	Range with 23 metric ton (50,700 lb)
3,370 nm	Ferry Range
4,570 nm	Ferry Range with internal tanks
1,524 m	Takeoff Dist (CFL, SL, ISA, 500 nm, payload 23 me
1,165 m	Takeoff Dist (CFL, SL, ISA, 500 nm, payload 16 me
116 KCAS	Vref with 25 klb of useful load
1,000 m	Normal Landing Dist (SL, ISA, 26 metric ton)
	8,000 ft 1,080 nm 1,470 nm 3,370 nm 4,570 nm etric ton) 1,524 m 116 KCAS

DIMENSIONS

	115 ft 5 in
11.84 m	38 ft 10 in
35.05 m	115 ft
18.50 m	60 ft 8 in
2.95 m	9 ft 8 in
3.45 m	11 ft 4 in
169 m³	5,970 ft ³
	35.05 m 18.50 m 2.95 m 3.45 m

MAIN SYSTEMS

IAE V2500-E5 engines with 31,330 lb of takeoff thrust

Rockwell Collins Pro Line Fusion Avionics System

Gabbiano Tactical Radar T-20 from SELEX Galileo

CERTIFICATION

The KC-390 MILLENNIUM is fully militar certified. This hybrid process combines the efforts of both civil and military airworthiness authorities. This approach ensures the aircraft can safely accomplish all its military missions.

The KC-390 MILLENNIUM basic platform was certified by the Brazilian Civil Airworthiness authority in accordance with FAA 14 CFR Part 25 standards.

The military certification complements the civil certification with military standards, specifications and criteria in order to cover the military mission accomplishment, military items and systems.



BACKTO MENU

INCREASED MOBILITY

The ability to project joint forces over great distances is essential to every military. The KC-390 MILLENNIUM offers unrivaled strategic, operational and tactical logistic support with unmatched mobility, speed and range, anywhere in the world.

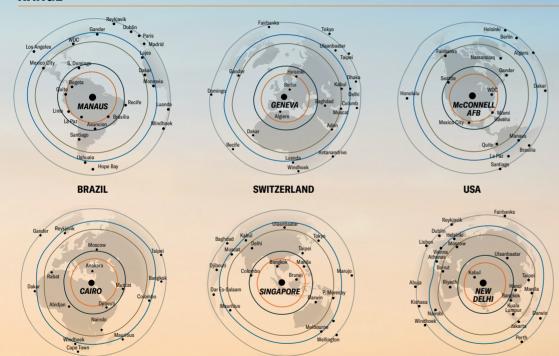
Cruising at 0.80 Mach and moving up to 26 metric ton (57,000 lb), the KC-390 MILLENNIUM delivers more payload faster than any airplane in the tactical airlifter market.



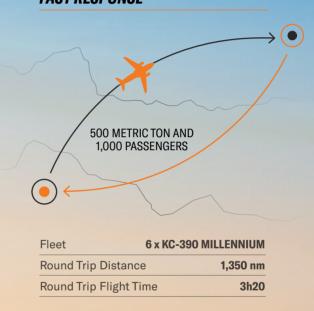
THE JET ADVANTAGE: **PRODUCTIVITY AND EFFICIENCY**

INCREASED MOBILITY

RANGE



FAST RESPONSE



500 METRIC TON AND **1,000 PASSENGERS**DELIVERED IN LESS THAN **2 DAYS**, **40% FASTER** THAN A TYPICAL TACTICAL *TURBOPROPAIRLIFTER*

EGYPT

- 1,470 NM - 23 METRIC TON / 50,706 LB

- 2,710 NM - 14 METRIC TON / 30,864 LB

3.370 NM - FERRY FLIGHT

SINGAPORE

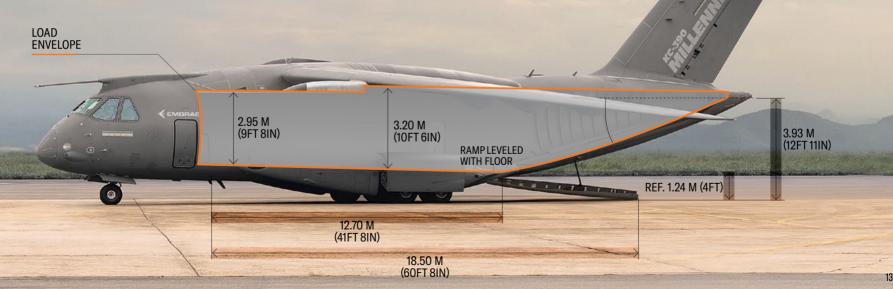
4.570 NM - FERRY FLIGHT WITH FUSELAGE TANKS

INDIA



CARGO CAPACITY

THE KC-390 MILLENNIUM IS CAPABLE OF CARRYING HEAVY COMBAT VEHICLES WEIGHING UPTO 26 METRIC TONS (57,320 lb). An unobstructed, continuous width cargo compartment with a volume of 169 m³ (5,970 ft³) was optimized to provide extra room for over and outsize cargo, accommodating combinations of vehicles, cargo on pallets, troops, medical patients and auxiliary fuel tanks, among other items. To facilitate the boarding of taller vehicles, the KC-390 MILLENNIUM is equipped with a long cargo ramp which reduces the cargo loading/unloading angle. The aircraft also features hydraulic stabilizer struts and a cargo winch to minimize time on ground.







RUGGED DESIGN

DEVELOPED ACCORDING TO STRINGENT REQUIREMENTS, the KC-390 MILLENNIUM is a transport aircraft with multi-mission capabilities with a rugged design that withstands operations from semi-prepared and damaged runways, as well as in harsh environments, varying from the hot and humid Amazon forest down to the freezing cold Antarctic continent, as well as in hot and sandy desert conditions.

Short, austere, semi-prepared and damaged airfields are important operational environments for military airlift aircraft. The operational capacity of the KC-390 MILLENNIUM on semi-prepared and unpaved airfields is achieved through a combination of a highly capable structure, and landing gear designed to operate and reduce damage on soft unpaved airfields. The engines are mounted in a forward elevated position to prevent ingress of debris.

The KC-390 MILLENNIUM is capable of operating from the maximum (worst) semi-prepared and damaged runways defined by MIL-B-8866B and, for soft field operations, perform 10 passes at a CBR 4 airfield (loose fine sand or soft clay). The KC-390 MILLENNIUM has excellent ground maneuverability, and can operate on airfields with limited space for parking or maneuvering and no ground facilities. The KC-390 MILLENNIUM can normally operate from a 4,000 ft (CFL*) semi-prepared soft airstrip (CBR-6: compacted sand-clay soils) carrying 12 metric ton of cargo to a distance of 500 nm.

*Critical Field Length

DESIGNED TO OPERATE IN SHORT, AUSTERE, SEMI-PREPARED AND DAMAGED RUNWAYS

RUGGED DESIGN

IAE V2500 ENGINE

Minimum FOD ingestion.
Optimum position
(high ground clearance and forward mounted).
Wide chord metallic fan blades.
Part 33 Certified Engine.

DAMAGE TOLERANT DESIGN

Modern structural design.
Strong and durable airframe.

ANTARCTIC OPERATION

Operational from unpaved runways covered with ice and snow on the freezing cold Antarctic continent.

SEMI-PREPARED AND DAMAGED AIRFIELD OPERATION

Worst Semi-Prepared and Damaged Runway from MIL-B-8866B.

LANDING GEAR

Low Resistance Airfields (CBR-4) Brake-by-Wire, Wheel-by-Wheel.

ALL WEATHER

Designed for extreme climates, including hot and sandy desert conditions.



MISSIONS MODULES ONE AIRCRAFT, MANY CAPABILITIES

The KC-390 MILLENNIUM aircraft is a highly flexible platform that combines multi-mission capabilities with the lowest life cycle cost in the tactical airlifter market. It offers unmatched versatility to configure the aircraft to accomplish a broader range of missions.





AERIAL RESUPPLY

Dropping cargo, the KC-390 MILLENNIUM has multi-role capabilities and features.

Being new generation, it has the latest technology and innovations, including advanced fly-by-wire architecture, along with digital integrated avionics. All this not only makes the KC-390 MILLENNIUM easier to fly, it also reduces the workload on the crew.



AIR DROP EFFECTIVENESS & PRECISION

The KC-390 MILLENNIUM aerial delivery system provides remote and automatic release of cargo in flight at low and high altitudes. The air drop operations can be held by parachute extraction or gravity cargo dropping. The Continuous Computational Drop Point Calculation Software (CCDP) is integrated to the avionics system and, in combination with the precise navigation delivered by the Fly-by-Wire system, it calculates the air release point with exceptional precision, providing high mission effectiveness.

AERIAL RESUPPLY

LVAD LOW VELOCITY AERIAL DELIVERY AT HIGH ALTITUDE



FLEXIBILITY FOR SEVERAL OPERATIONS

The KC-390 MILLENNIUM Cargo Handling System (CHS) has the flexibility to carry out the operations launching via extraction of single type-V platforms.

Single load drop	Up to 41,887 lb / 19,000 kg
Sequential drops	Up to 52,910 lb / 24,000 kg

Platform	32ft / 9.8 m	
	Extraction Parachute	22ft 6.7 m

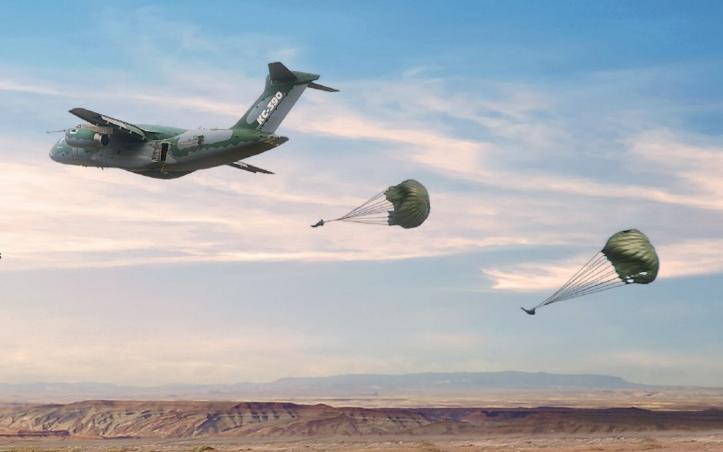


AERIAL ASSAULT

UPTO 64 PARATROOPERS

The KC-390 MILLENNIUM has capacity for 64 fully equipped paratroopers in Aerial Assault operations.

The Cargo Handling System (CHS) provides flexibility for the operations of paratroopers launching from both sides of the aircraft, recovering up to 32 static line bags at each side of the aircraft.





DAY AND NIGHT AERIAL REFUELING CAPABILITY WITH OBSERVER WINDOWS AND NIGHT VISION CAMERAS. The KC-390 MILLENNIUM can be equipped with advanced refueling pods (Cobham 912E Series) that meet the high-performance criteria of the aircraft providing a lightweight and efficient solution. Each pod provides fuel transfer up to 400 US GPM. Roll-on/roll-off auxiliary fuel tanks can be quickly and easily installed in the fuselage to expand the aircraft fuel offload capacity or range performance.

TANKER FOR FAST FIGHTERS **AND HELICOPTERS**

The KC-390 MILLENNIUM is capable of refueling both fixed and rotary wing aircraft, operating at speeds from 120 KCAS to 300 KCAS and at altitudes from 2,000 ft to 32,000 ft. The KC-390 MILLENNIUM on-ground refueling capability can be used to refuel vehicles or forward operating bases.



FEATURES

Aerial refueling cameras

Palletized Aux. Fuel Tanks Up to 3 tanks, 8,800 lb / 4,000 kg each Wing refueling PODs flow transfer Up to 400 GPM **DAY & NIGHT cameras**

REFUELING ENVELOPE

180 to 300 KCAS	Up to 32,000 ft
120 to 140 KCAS	From 2,000 ft up to 10,000 ft

THE KC-390 MILLENNIUM CAN BE QUICKLY CONFIGURED FOR AERIAL REFUELING AS A TANKER KC-390 AND AS A RECEIVER AIRCRAFT





KC-390 RECEIVER

The KC-390 Millenium is also capable of operating as a receiver through a refueling probe installed on the upper-forward fuselage, slightly left of center, demonstrating excellent characteristics for aerial refueling with low levels of vibration. The higher speeds of the KC-390 reduces the receiver pilots workload.

FEATURES

- Aerial refueling operations as a receiver aircraft performed by the pilot with minimal interaction with the tanker
- Refueling rate is up to 400 US GPM
- All wings and auxiliary fuselage tanks can be refueled



OPERATION & MAIN FEATURES

1X AUXILIARY CREW MEMBER STATION (ACM)

ACM STATION (COCKPIT)



ACM AAR PANELS



2P COCKPIT



The second of th

AIR-TO-AIR REFUELING OBSERVATION (LH/RH)

REFUELING SYSTEM HOSE EXTENSION OPERATION AND RETRACTION

DISPLAY OF RECEIVERS VIDEOS

AAR SYNOPTIC & CONTROL

RECEIVER REFUELING PROBE - 400GPM REFUELING RATE

The refueling probe can be removed in case of long period without receiver refueling needed.









Night & Day Operations

WINGS + AUXILIARY FUSELAGE FUEL TANKS (AFFT)

Up to 3 Optional Fuselage Fuel Tanks

WING AERIAL REFUELING PODS (WARP)

COBHAM912 family

AERIAL FIREFIGHTING

The second-generation Modular Airborne Fire-Fighting System (MAFFS-II) is an important aerial resource for firefighters in battling wildfires.

The roll-on/roll-off aerial firefighting system is capable of delivering up to 3,000 gallons of retardant meeting U.S. Interagency Air-Tanker Board (IAB) ground pattern coverage (gpc) level criterion. The KC-390 MILLENNIUM fly-by-wire provides outstanding maneuverability at low speed and low altitude to fly over wildfire areas, increasing the mission efficiency and crew safety.



SEARCH AND RESCUE

During Search & Rescue missions, every minute counts to save lives. The KC-390 MILLENNIUM turbo fan engines provide unmatched speed compared with other aircraft.

The KC-390 MILLENNIUM can be equipped with a complete set of equipment to support search & rescue missions, all easily reconfigurable in the field.

REMOVABLE ELECTRO-OPTICAL | INFRARED (EO/IR) POD FROM RAFAEL

- SAR Search and Rescue
- MP Maritime Patrol
- Navigation
- Target Acquisition & Tracking
- Laser range finder
- Laser Pointer
- Night super wide image used for low-level night flight

FEATURES FOR SEARCH & RESCUE MISSIONS

- Four spotter positions with bubble windows and large observation windows, designed for maximum visibility
- Lateral litters and/or crew seats
- Removable internal fuselage fuel tanks to expand range or time on station for SAR missions
- Ability to operate the rear ramp while flying low-and-slow
- Search patterns easily programable in the navigation system









COMBAT OPS

Designed to accomplish tactical missions with the highest level of efficiency.

BASIC DESIGN FEATURES

- Low speed: 120 KCAS
- Tactical Descent: 12,000 ft/min
- Steep Approach
- High Maneuverability: Fly-by-Wire
- Damaged Runway Operation

Real Usage of aircraft limits:

Continuous 3 G envelope Protection

Short Field Capable:

- Low speed capability, Advanced Brake System,
- High Efficiency Spoilers

SURVIVABILITY

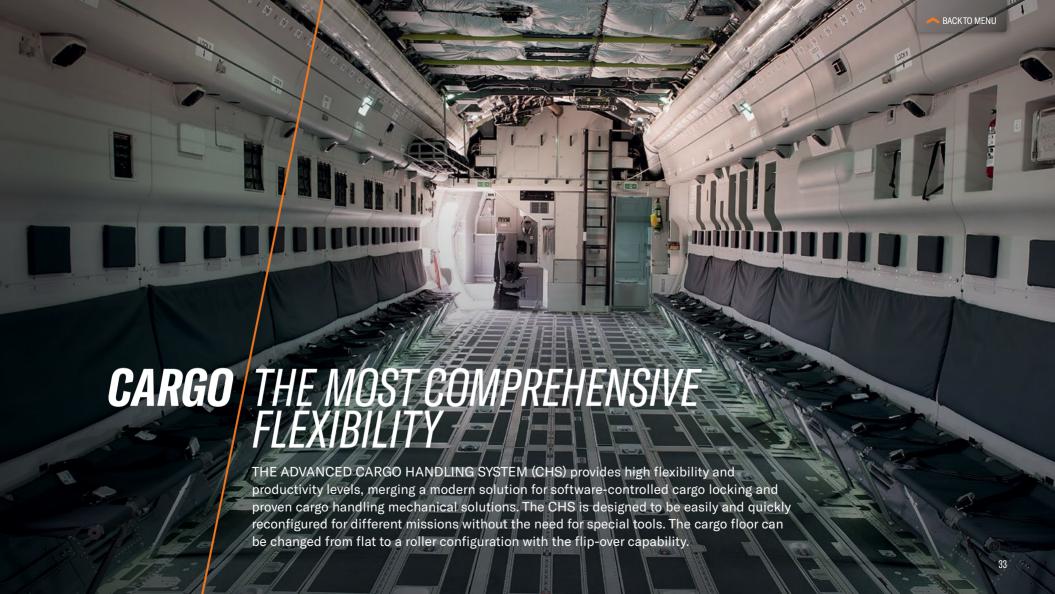
BACKTO MENU

The KC-390 Millennium was designed with survivability in mind.

KEY POINTS

- High Speed similar to a fast jet: Mach 0.8
 - High Altitude: 36,000 ft
 - Fuel Tanks Inertization: OBIGGS
- Redundancy and segregation for critical systems
 - Night Vision Compatibility
 - Tactical Radar
 - Comprehensive Self Protection System
 - Armoring
 - Fail-safe airframe
 - Lower noise signature











THE MOST COMPREHENSIVE FLEXIBILITY

KC-390 IS CAPABLE OF TRANSPORTING A MAXIMUM OF 50,706 LB (23,000 KG) OF DISTRIBUTED LOADS AND A MAXIMUM CONCENTRATED LOAD OF 57,320 LB (26,000 KG)

PARATROOPERS

Capacity for 64 Paratroopers

TROOPS

Capacity for 80 Occupants

LIGHT AND HEAVY VEHICLES

Capacity for 3 to 4 light vehicles or 1 to 2 heavy vehicles





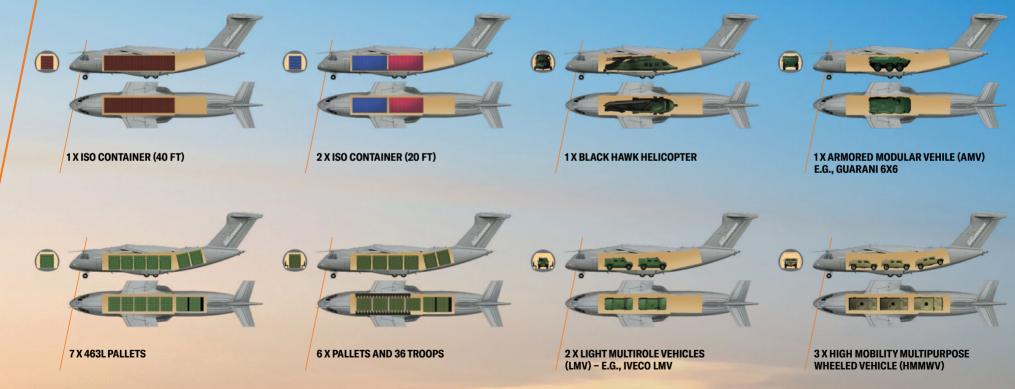
THE MOST COMPREHENSIVE FLEXIBILITY





THE MOST COMPREHENSIVE FLEXIBILITY

INNOVATIONS SUCH AS THE AUTOMATED CARGO HANDLING ENABLE THE FAST LOADING AND UNLOADING OF DIFFERENT PAYLOADS







74 LITTERS, 4 CREWMEMBERS AND 4 ATTENDANTS



50 LITTERS AND 36 PAX



80 TROOPS OR 64 PARATROOPERS



56 PAX, 1X LMV (E.G., IVECO LMV) AND 2 X PALLETS



56 PAX, 1 AUXILIARY FUEL TANK AND 3 PALLETS



SEARCH AND RESCUE

STRUT STABILIZER

The Hydraulic Strut
Stabilizer is an
important feature
for remote and
autonomous operation.
Commanded from the
Loadmaster Station, it
conveniently stabilizes
the aircraft reducing
time on the ground
and minimizing
vulnerability in hostile
environments.

BACKTO MENU





STATE-OF-THE-ART TECHNOLOGY

KC-390 MILLENNIUM IS THE FUTURE



FLY-BY-WIRE

The most capable flight control system in the segment allowing pilots to tailor the system to the mission and safely fly to the limits of the flight envelope with low crew workload.



AVIONICS

Fully interactive and CNS/ATM compliant Rockwell Collins Pro Line Fusion Suite delivers intuitive Human Machine Interfaces, enhancing productivity and safety.



OPTIONAL ADDITIONAL CREW MEMBER STATION

An optional third crew station in the cockpit, equipped with an integrated display, communication system and mission controls, supports efficient coordination on advanced missions including Search and Rescue and Aerial Refueling.



EVS/SVS

Dual Head-up Displays with Enhanced Vision System significantly improves situational awareness in critical operational scenarios, such as in low visibility conditions.



AVIONICS CONFIGURABLE MULTIFUNCTION WINDOWS



IMPROVED CREW INTERFACE FOR BETTER MISSION EFFICIENCY

LATEST GENERATION INTEGRATED AVIONICS AND MISSION SYSTEMS - ROCKWELL COLLINS PRO LINE FUSION® FULL FLY-BY-WIRE WITH CLOSED LOOP AND ACTIVE SIDE STICKS COMPLIANT WITH
THE LATEST CNS/ATM
REQUIREMENTS

INTEGRATED MISSION SYSTEM



FULL FLY-BY-WIRE

STATE-OF-THE-ART FULL FLY-BY-WIRE SYSTEM with closed looping, developed by Embraer and already in its third generation, improving mission efficiency.

REDUCED PILOT WORKLOAD
ON DEMANDING CONDITIONS

ACTIVE SIDE STICKS: IMPROVED CREW COORDINATION AND OPTIMIZED CONTROL

AUTOMATIC PROTECTION FOR REAL USAGE OF THE AIRCRAFT LIMITS

CHARACTERISTICS

- Angle-of-Attack (AOA) limiter as stall protection system
- Allows to reduce the margins over the stall speed when compared to a stick pusher
- Allows perform critical missions with higher safety performance
- Replaces conventional shaker and pusher solutions
- Complete envelope protection in all phases of flight
- Weight Savings
- Precise Pilot Control
- Overspeed Protection





FULL FLY-BY-WIRE

WITH CLOSED LOOP IMPROVING MISSION EFFICIENCY

FLY-BY-WIRE ENSURE BENEFITS SUCH AS:

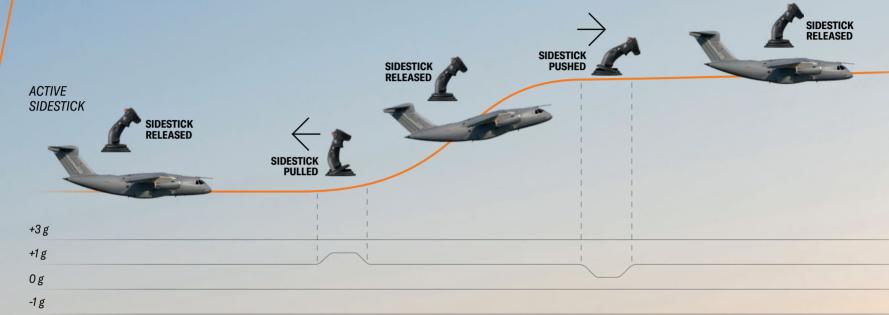
- Structural load factor (G protection)
- High angle of attack (stall/buffeting protection)
- Dive speed (high speed protection)
- Sideslip (lateral structural load protection)
- Tail Strike Avoidance (TSA) during take off and landing

REDUCED AIRCRAFT RESPONSE DUE TO TURBULENCE

- Fly-By-Wire reacts more effectively than conventional autopilot systems
- Fly-By-Wire control laws reduce aircraft oscillations during turbulence, which means enhanced safety



FULL FLY-BY-WIRE



SIDESTICK ARCHITECTURE

- Adapt the force versus deployment profile according to mode of operation
- 1P & 2P electronically interconnected
- Increase situational awareness
- Possibility of having different feel profiles, optimized for each mission

FLY-BY-WIRE ENSURE PROTECTIONS SUCH AS:

- Trajectory compensation: leveled flight with bank angle.
- Auto trim: automatic offload of elevator to horizontal stabilizer.
- Reduced effects for configuration changes: speed brake and Flap/Slat deflection.
- Lower pilot workload

SYSTEMS

KC-390 MILLENNIUM IS THE FUTURE



OMS

A fully integrated Onboard Maintenance System provides diagnostic information to the maintenance crews, facilitating troubleshooting activities, reducing downtime and cost, enabling the KC-390 to achieve the higher availability levels, typical of the commercial aviation



STRUT STABILIZER

The Hydraulic Strut Stabilizer is an important feature for remote and autonomous operation. Commanded from the Loadmaster Station, it conveniently stabilizes the aircraft reducing time on the ground and minimising vulnerability in hostile environments.



FOUR WHEELS BOGIE TYPE MAIN LANDING GEAR

A Four-Wheel Bogie Type
Main Landing Gear in each
LH and RH sides provides
efficient flotation capabilities
for operations on soft airfields
(CBR-4) as well as shock
absorbing capabilities for
operations on damaged
runways. It supports deployment
of the aircraft to unassisted and
remote locations.



COMFORT

The KC-390 MILLENNIUM Air Conditioning and Pressurization System are modern and efficient, with precise temperature and low cabin altitude controls. Combined with the aircraft's wider cross section and a heated floor in the cargo compartment, comfort is enhanced during missions with passengers in the cargo cabin.

SYSTEMS

BUILDING OVER DECADES OF DEVELOPMENT EXPERIENCE, THE

KC-390 MILLENNIUM incorporates the most advanced and proven technologies and design concepts. Equipped with state-of-the-art technologies, the KC-390 MILLENNIUM provides significantly reduced crew workload, efficiency and precision for the mission accomplishment.





TACTICAL RADAR

The KC-390 MILLENNIUM is equipped with advanced Tactical Radar, featuring Spot SAR (Spotlight Synthetic Aperture Radar), weather, air-to-air, navigation, air-to-ground and high resolution modes.

SELF PROTECTION

The KC-390 MILLENNIUM
Self-Protection System
combines a broad range of
Detection & Declaration devices
(Radar Warning, Laser Warning
and Missile Approach Warning)
and capable Countermeasures
(Chaff & Flare and DIRCM)
enhancing the aircraft
survivability in hostile scenarios.



MISSION SYSTEMS

The KC-390 MILLENNIUM integrates several sensors to provide truly advanced multi-mission capabilities. Tactical SAR Radar, EO/IR Pod and Mission Computers allow the flexible employment of the aircraft in different scenarios.

CCDP

For the air delivery mission, the Continuous Computed Drop Point (CCDP) algorithm uses altitude, speed and wind to define the optimum release point to reach the drop zone. It allows for manual or automatic cargo release.

NVIS

The KC-390 MILLENNIUM interior, exterior and cockpit systems are fully Night Vision compatible.





EASIER TO MAINTAIN

RELIABILITY, MAINTAINABILITY AND AVAILABILITY were major design requirements for the KC-390 MILLENNIUM. Reliability through proven systems, Redundant Architecture and Robust Design deliver outstanding availability levels

LIFE CYCLE COST

Outstanding Cargo Capacity, Speed and Availability result in incomparable productivity, which when associated with low operation and maintenance costs, lead to reduced and affordable Life Cycle Costs.

✓ RELIABILITY

KC-390 MILLENNIUM incorporates recognized proven technologies for redundant systems architectures, leading to unprecedented reliability levels in the segment.

✓ MAINTENANCE PLAN

In addition to reducing downtime, the optimized Maintenance Plan enhances the benefits of highly reliable systems and the airframe to more easily facilitate necessary inspections, checks and services. Years of interaction with air forces, systems manufactures and certification authorities in maintenance steering groups leveraged real maintenance experience to develop a platform easier to service and maintain.

MAINTAINABILITY

The KC-390 MILLENNIUM design made maintainability a major requirement. Employing the most efficient methods, such as MSG-3, tools and experience, the aircraft's maintenance is substantially facilitated and optimized to minimize downtime and cost.

✓ AVAILABILITY

The highest levels of reliability, combined with ease of maintenance delivers unparalleled availability in the category. The optimized maintenance planning and the on-condition maintenance philosophy substantially reduce the aircraft downtime and the maintenance costs.

EASIER TO MAINTAIN

DESIGNED FOR MAINTAINABILITY

QUICK AND EASY MAINTENANCE

COMBINATION OF MATURE SOLUTIONS AND INNOVATIONS

IAE V2500 Engine

+ Do

Rockwell Collins Pro Line Fusion Avionics AIRLINER RELIABILITY AND AVAILABILITY LEVELS

Use of Commercial Aircraft Techniques and Experience (MSG-3, On-Board Maintenance System) OPTIMIZED MAINTENANCE

Routine Check:

Every 14 days of operation > 4 man-hours

Intermediate Checks:

600 FH or 12 months → ~ 9 to 12 days

Basic checks:

60 months > ~ 25 to 35 days



LOGISTIC SUPPORT AND TRAINING

UNPRECEDENTED RELIABILITY LEVELS FOR THE SEGMENT.

associated with a design optimized to reduce maintenance and combined with comprehensive support and material services support solutions. This delivers very high fleet availability and low life cycle cost.

EMBRAER TRAINING INFRASTRUCTURE OR ON SITE TRAINING DEVICES CAN BE USED FOR EXPEDITED
OPERATIONAL AND MAINTENANCE CREW READINESS



LOGISTIC SUPPORT AND TRAINING

FLIGHT SERVICES AND TRAINING



Specialized Center providing Flight, Maintenance, and Specialized operator training solutions for initial and continued training needs.

FIELD SERVICES



Specialized field service technicians teamed with each Customer to maximize aircraft value through out the entire life cycle. Providing scalable sustainment solutions, from basic to turn-key performance based capabilities and services.

MATERIAL SERVICES



Supply chain solutions, from transactional to outcome based supply packages.
Services include: parts, component repairs and support equipment. Utilizing our vast global network we provide repair & overhaul, logistics operations, stock optimization and warehouse management.

FLEET SERVICES



Specialized entry to service teams deliver mission readiness upon initial operation. World class on-site field service representatives assure fleet readiness anytime, anywhere. Ongoing support with optimized maintenance solutions.

INFORMATION SERVICES



Complete state-of-the-art information technology capability services to ensure current, timely, and accurate information needed to keep the flight, operations, and maintenance crews equipped and informed at all times.





EMBRAER, PRESENT IN ALL DEFENSE ENVIRONMENTS

EMBRAER IS A GLOBAL COMPANY WITH MORE THAN 55 YEARS OF AEROSPACE

EXPERTISE. In addition to the A-29 Super Tucano, an advanced training and light attack aircraft, and the KC-390 Millennium. a multi-mission military transport aircraft, it offers a complete line of integrated solutions for air, space, sea, land, and cyber systems. With more than 8000 aircraft delivered and solutions present in more than 60 Governments and Armed Forces, Embraer offers solutions for land applications such as Command and Control (C4I), sensors, ISR (Intelligence, Surveillance and Reconnaissance). information systems, communication, border monitoring and surveillance, naval combat and management systems, and integration of geostationary satellites for communication and observation. In the cyber area, it provides complete solutions for business protection and defense and security applications.





EMBRAER