

**A-29**  
***SUPER TUCANO***



 **EMBRAER**



**THREE-  
IN-ONE**

**BY  
DESIGN**

- 
- 04** A-29 SUPER TUCANO
  - 05** WORLDWIDE PRESENCE
  - 06** A-29 SUPER TUCANO SEGMENTS
    - 07** LIGHT ATTACK AIRCRAFT
    - 16** ARMED RECONNAISSANCE AIRCRAFT
    - 25** TACTICAL TRAINER AIRCRAFT
  - 32** THE AIRCRAFT
  - 33** PERFORMANCE
  - 35** EXTREMELY RUGGED PLATFORM
  - 36** SELF PROTECTION SYSTEM
  - 38** MODERN COCKPIT
  - 39** SYSTEMS
  - 41** RADIUS OF ACTION
  - 43** GROUND TRAINING DEVICES & STATIONS
  - 44** INTEGRATED LOGISTICS SUPPORT
  - 46** THE BEST FOR THE MISSION
  - 47** EMBRAER



# A-29 SUPER TUCANO

## *THE RIGHT CHOICE FOR THREE DIFFERENT SEGMENTS*

For Air Forces that need a comprehensive, low-risk solution added to great operational flexibility, the A-29 Super Tucano delivers proven, precise, reliable, and cost-effective combat, reconnaissance, and training answer in a single platform.

The A-29 Super Tucano is the most effective multi-mission aircraft of its category, equipped with the latest-generation systems, including accurate targeting identification, weapons systems and a comprehensive communication suite. Capability is enhanced further by advanced HMI avionics systems integrated with a rugged airframe capable of operating from unpaved runways, at high levels of active and passive survivability features.

Completing the A-29 Super Tucano competitive advantages is a simple maintenance concept that delivers high levels of reliability, availability, and structural strength with low life-cycle costs.



# WORLDWIDE PRESENCE






A-29 Super Tucano is the world leader in its category with more than 260 aircraft ordered and over 500,000 flight hours flown, of which approximately 60,000 have been on active operations.

The number of air forces operating the A-29 Super Tucano is continually growing due to the combination of unique characteristics that make it the lowest risk, affordable and flexible choice.

The A-29 provides a comprehensive solution for air forces operating in asymmetric operating environments. It delivers a proven low-risk procurement and maintenance solution which enables highly effective fleet optimization and mission flexibility.



**16 AIR FORCES** / **OVER 260 AIRCRAFT ORDERED** / **OVER 500,000 FLIGHT HOURS** / **ACCUMULATING ABOUT 60,000 COMBAT FLIGHT HOURS**

-   
AFGHANISTAN
-   
ANGOLA
-   
BRAZIL
-   
BURKINA FASO
-   
CHILE
-   
COLOMBIA
-   
DOMINICAN REPUBLIC
-   
ECUADOR
-   
INDONESIA
-   
LEBANON
-   
MALI
-   
MAURITANIA
-   
NIGERIA
-   
PHILIPPINES
-   
USA
-   
UNDISCLOSED



# A-29 SUPER TUCANO SEGMENTS

The only 3-in-1 aircraft by design in its class, the A-29 Super Tucano delivers high performance in light attack, armed reconnaissance and tactical training, optimizing the fleet and the support infrastructure required to operate it.



**LIGHT  
ATTACK**  
07



**ARMED  
RECONNAISSANCE**  
16



**TACTICAL  
TRAINER**  
25



# LIGHT ATTACK AIRCRAFT

**PROVEN SURVIVABLE SOLUTION ALWAYS READY TO IDENTIFY (FIND), DESIGNATE (FIX) AND NEUTRALIZE (FINISH) THE TARGET WITH A HIGH DEGREE OF STRIKE PRECISION.**

**CLOSE AIR SUPPORT**

**FAC [A] – FORWARD AIR CONTROLLER [AIRBORNE]**

**AIR INTERDICTION**

**SPECIAL OPERATIONS**

**AIR PATROL**

**TAC [A] – TACTICAL AIR COORDINATOR [AIRBORNE]**



LIGHT ATTACK

# VALUE PROPOSITION

The A-29 Super Tucano is the ideal aircraft for use in asymmetric conflicts in permissive environments. It delivers extensive operational flexibility and is easily reconfigured in the field.

It is a proven combat aircraft, with thousands of flight hours on operations. The robust airframe supports operations in hostile environments including unpaved runways.

In addition, it is highly maneuverable, with controllability and stability that give the pilot precision target acquisition capability.

The A-29 is the only aircraft with integrated in-wing machine guns. This releases all 5 pylons for weapons and fuel which, together, deliver unmatched light attack capability.



**HIGHLY MANEUVERABLE  
AND CONTROLABLE**

**EXCELLENT COMBAT  
HANDLING QUALITY**

**QUALIFIED ASYMMETRIC  
CONFIGURATIONS**

**PRECISE CONTROLS  
FOR TARGET DESIGNATION  
AND WEAPONS RELEASE**



LIGHT ATTACK

# VALUE PROPOSITION

## COMBAT PROVEN

Success in ongoing operations.  
Continued operation in austere environments.

## HIGH LETHALITY AND ATTACK EFFECTIVENESS

Right weapon for the right target.  
Smart weapons integrated.  
Proven precision in general purpose weapon delivery.

## HIGHLY SURVIVABLE

Comprehensive self protection – active and passive.  
Highly maneuverable.

## OPERATIONAL FLEXIBILITY

Multi-mission aircraft by design.  
Several operational configurations available.  
Easily reconfigurable in the field.



## LOW OPERATING COST (DOC) AND COMPREHENSIVE CUSTOMER SUPPORT

Cost-effective, single platform, multi-application: combat, ISR and training.  
Current operators ordering second and third batches.

## INTEROPERABLE

Selected and ordered by 16 countries.  
Customizable comms & nav tactical systems.

## ENHANCED SITUATIONAL AWARENESS

Advanced human machine interface (HMI).

## CONFIDENCE IN MISSION ACCOMPLISHMENT

90+% availability in operational conditions.  
Outstanding reliability: 95+% in combat condition.



LIGHT ATTACK

# CLOSE AIR SUPPORT



JOINT TERMINAL  
ATTACK CONTROLLER  
COORDINATION

SUPPORT  
FRIENDLY  
FORCES



The A-29 is the most efficient aircraft designed for air action against hostile targets that are in close proximity to friendly forces, requiring detailed integration with those forces. A typical Close Air Support mission is performed jointly with a Joint Terminal Attack Controller (JTAC) on the ground.



LIGHT ATTACK

# FORWARD AIR CONTROLLER [AIRBORNE]

PROTECT  
CIVILIANS

FORWARD AIR  
CONTROLLER  
(AIRBORNE)

FIND  
FIX  
FINISH

Fully equipped for performing effectively a Close Air Support mission with Forward Air Controller on board responsible for designating the target and providing clearance to proceed with the attack.



*LIGHT ATTACK*

# **AIR INTERDICTION**

The A-29 effectively and affordably accomplishes preventive tactical bombing and strafing against enemy targets that are not an immediate threat, in order to delay, disrupt, or hinder later enemy engagement of friendly forces.



# **SPECIAL OPERATIONS**



Direct action missions requiring agile air mobility, with a particular focus on infiltration at night operation.



LIGHT ATTACK

# AIR PATROL

The ideal asset for interception of hostile aircraft or helicopters and, if needed, attack in a permissive airspace.

# TACTICAL AIR COORDINATOR (AIRBORNE)

The A-29 is equipped with modern communication systems, which provide all required tools to coordinate the communication among the command center, ground troops, and attack aircraft. Simultaneously, it may be part of the attack aircraft group or perform the Close Air Support mission itself if properly configured.



LIGHT ATTACK

# EXTERNAL STORES MAIN SETTINGS



The A-29 Super Tucano is a high-precision attack aircraft, offering optimal targeting weapon matching and target identification accuracy. It's also the only aircraft in its category equipped with an internal machine gun, which releases pylons for use with other weapons and allows for more than 160 configuration possibilities. The precision of the Super Tucano weapons system combined with the controllability and stability of the airframe gives it the highest lethality and attack effectiveness among light attack aircraft.



LIGHT ATTACK

# EXTERNAL STORES MAIN SETTINGS



7 X 70 MM  
ROCKET  
LAUNCHER

19 X 70 MM  
ROCKET  
LAUNCHER

MK-82  
GP BOMB  
(500 LB)

MK-81  
GP BOMB  
(250 LB)

GBU-58  
LGB  
(250 LB)

GBU-12 LGB  
GRIFFIN LGB  
LIZARD IV  
INS/GPS  
(500 LB)

SUU-20  
TRAINING  
BOMB  
DISPENSER

EO/IR HD  
SENSOR &  
DESIGNATOR

320 L  
EXTERNAL  
FUEL TANK

LOGISTICAL  
POD

AERIAL  
TARGET  
TOWING

SUU-25  
FLARES  
LAUNCHER

M-117  
GP BOMB  
(750 LB)

CONVENTIONAL  
AND LASER  
GUIDED ROCKET  
- APKWS

# ***ARMED RECONNAISSANCE AIRCRAFT***

***ARMED ISR***

***BORDER SURVEILLANCE***

***SCAR***

***STRIKE COORDINATION AND RECONNAISSANCE***

***AIR SCOUT***

***AERIAL ESCORT***

***ISR***

***EXCLUSIVE ECONOMIC ZONE PATROL***



***PROVEN SOLUTION ALWAYS READY TO EFFECTIVELY DETECT, IDENTIFY AND, AS REQUIRED, NEUTRALIZE THREATS IN THE AIR OR ON THE GROUND.***



## ARMED RECONNAISSANCE

# VALUE PROPOSITION

The A-29 Super Tucano is an exceptional Armed Reconnaissance Aircraft because it features the ideal combination of high-definition electrical-optical sensors, internal machine guns, and increased endurance.

The latest generation electrical-optical sensors allow the capture of images of the observed regions, both at low and high altitudes, day or night, providing high-precision target identification and reliable information gathering.

The built-in machine gun allows the aircraft to carry out reconnaissance missions while remaining armed for self-defence or opportune strike.

The combination of advanced sensor and communication systems, low crew workload and comfort, and high situational awareness extend the platform's ability to collect and disseminate data and information.



ARMED RECONNAISSANCE

# VALUE PROPOSITION

## **SUPERIOR RECONNAISSANCE EFFECTIVENESS**

Effective imaging capturing and recording.  
Outstanding cockpit visibility.

## **PROVEN EFFECTIVE INTERCEPTION LOW AND SLOW TARGETS**

Impressive speed & range – quick interception and escort capable.  
High capacity to identify and register aerial targets.

## **ATTACK ACCURACY A/G & A/A**

Weapons system precision proven in combat.  
Highly maneuverable armed ISR platform.



## **OPERATIONAL FLEXIBILITY**

Multi-mission aircraft by design.  
Several operational configurations available.  
Cost-effective, single platform, multi-application: combat, ISR and training.

## **LOW CREW WORKLOAD**

Auto-pilot navigation.  
EO/IR sensor control on HOTAS system.  
Mission system advanced HMI.

## **CONFIDENCE IN MISSION ACCOMPLISHMENT**

Over 90+% availability in mission configuration.  
Outstanding reliability: 95+% in combat condition.



ARMED RECONNAISSANCE

# ESCORT / EFFECTIVE THREAT IDENTIFICATION AND MONITORING

The protection of other fixed and rotary wing aircraft, ground maneuver units through the effective deployment of the A-29's ISR and strike capabilities.



VEHICLE / 57KM

HIGH SITUATIONAL AWARENESS

INTERCEPTION AGILITY

TARGETING ACQUISITION AND ACCURACY



ARMED RECONNAISSANCE

# ARMED RECONNAISSANCE

The A-29 is quipped with the latest generation of sensors for information gathering by observing, monitoring, locating, and identifying potential targets. This is supported by opportune strike capability as required.

*EO/IR SENSOR CAPABLE OF OPERATING FROM 15,000 FT*

*MISSION FOCUS*

*INCREASED OPERATION SAFETY*

*LOW FOOTPRINT*





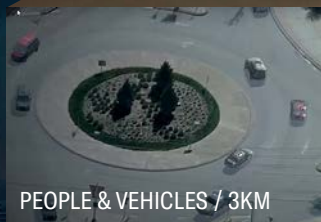
ARMED RECONNAISSANCE

# DAY & NIGHT OPERATION

The A-29 Super Tucano is by design a low footprint aircraft, hardly detectable by radars, with low noise level and visual signature.



VEHICLE / 2.4KM



PEOPLE & VEHICLES / 3KM



VEHICLES / 57KM



ARMED RECONNAISSANCE

# MARITIME & ANTI-PIRACY PATROL

As multi-mission aircraft by design, the A-29 is capable of performing surveillance, identification and monitoring of potential illegal activities in the littoral. Support to merchant vessel and other maritime infrastructure security.





ARMED RECONNAISSANCE

# SUPERIOR RECONNAISSANCE EFFECTIVENESS

## TARGET IDENTIFICATION AND INFORMATION GATHERING

The A-29 Super Tucano delivers superior results in reconnaissance missions due to its low footprint, state-of-the-art sensors, and long endurance.



- | *IMAGE ON BOARD DISPLAYS WITH EO/IR SENSOR CONTROLS ON HOTAS*
- | *MISSION RECORDER SYSTEM FOR POST MISSION ANALYSIS*
- | *MPS AND MDS COMPATIBILITY*

ARMED RECONNAISSANCE

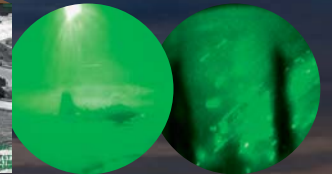
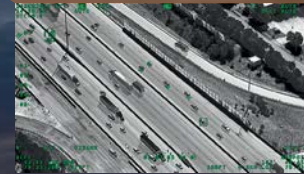
# STATE-OF-THE-ART SENSORS



The EO/IR sensor of the A-29 Super Tucano is integrated into the weapons system. It can operate from 15,000 feet and is fully compatible with Night Vision Goggles. The system will generate photos and videos of objects tens of miles away. Payload options include thermal imagers, multiple laser payloads and other advanced systems.

EO/IR SENSOR CAPABLE OF OPERATING FROM 15,000 FT

FULL NVG COMPATIBLE





# TACTICAL TRAINER AIRCRAFT

**COMPREHENSIVE AND PROVEN TRAINING SOLUTION,  
ALWAYS READY TO TRAIN PILOTS AND JTACS FOR COMBAT**

**ADVANCED TRAINING**

**LEAD-IN FIGHTER TRAINING (LIFT)**

**JTAC AND FAC[A] TRAINING**

**BASIC TRAINING**

**OPERATIONAL TRAINING**



TACTICAL TRAINER

# VALUE PROPOSITION

THE A-29 SUPER TUCANO provides an optimized training solution to support light attack and air reconnaissance training. It allows the download of training hours from fast jets extending the life span of those aircraft and delivering reductions in operating costs. It presents a highly cost-effective solution for the training and maintenance of JTAC skills and air-land integration at the tactical level.

It is more than an Advanced Trainer, delivering efficient and comprehensive training from basics to operational, “training as you fight” once it contains built-in simulator resources. It allows the pilots to make a direct transition to multi-role fighters, improving the air-land integration at the formation level.

Finally, the aircraft allows instantaneous reconfiguration from combat to training, and vice versa, enhancing the fleet productivity and delivering the best value and most comprehensive solution for the Air Force.





TACTICAL TRAINER

# VALUE PROPOSITION

## **COST EFFECTIVE TRAINING SOLUTION**

Complete tactical training solution.  
High level of air-land integration.

## **COMBAT REPLICATION**

Actual mission and weapons systems – live fire.  
Smooth transition from training to combat.

## **EMBEDDED TACTICAL SIMULATION SCENARIOS**

Virtual radar and self-protection capabilities.  
Programmable warfare scenarios simulation on board and on FTD.



## **MULTI-MISSION AIRCRAFT COMPREHENSIVE SOLUTION**

Basic, advanced, LIFT, operational and JTAC training capable.  
Cost-effective, single platform, multi-application: combat, ISR and training.

## **DIRECT TRANSITION TO A MULTI-ROLE COMBAT AIRCRAFT**

High level situational awareness training.  
Equivalent to the front-line fighters.

## **EFFECTIVE AND RELIABLE TRAINING**

Over 90+% availability in mission configuration.  
Outstanding reliability resulting from its design DNA.  
Full set of Ground Training Devices available.



TACTICAL TRAINER

# COMPREHENSIVE SOLUTION

*COST-EFFECTIVE, SINGLE PLATFORM, MULTI-APPLICATION:  
COMBAT, RECONNAISSANCE AND TRAINING*

*INSTANTANEOUS RECONFIGURATION BETWEEN COMBAT  
AND NON-COMBAT ROLES AND VICE-VERSA.*

*DOWNLOADING HOURS  
OF TRAINING FROM FAST JETS*

*IMPROVING AIR-LAND INTEGRATION  
AT FORMATION LEVEL*





TACTICAL TRAINER

# COMPREHENSIVE SOLUTION



## **BASIC TRAINING**

IMPROVING AIR-LAND INTEGRATION  
AT FORMATION LEVEL



## **ADVANCED TRAINING**

AIRCREW COMPLETE TACTICAL TRAINING



## **LIFT**

FRONT-LINE FIGHTER COMPATIBILITY



## **LAA/ARA OPERATIONAL TRAINING**

TRAIN AS YOU FIGHT



## **JTAC/FAC [A] TRAINING**

JTAC / FAC[A] TRAINING FOR AIR-LAND INTEGRATION



TACTICAL TRAINER

# EMBEDDED TACTICAL TRAINING SIMULATION

THE SYNTHETIC TRAINING PACKAGE IS A SOFTWARE CAPABILITY THAT PROVIDES:

- Virtual Tactical Scenario, simulating aerial and ground targets/threats.
- Virtual Radar, simulating Air-to-Air and Air-to-Ground modes.
- Virtual Electronic Warfare Suite simulation, including:
  - Counter Measure Dispenser System (CMDS).
  - Radar Warning Receiver (RWR).
  - Missile Approach Warning System (MAWS).
- Simulation of Air-to-Air AIM9 class and AIM-120 class missiles.
- Integration with Data Link. The aircraft can be either friend or enemy.

Runs on-board and/or in the FTD.

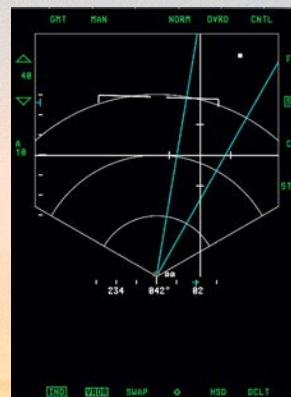
VIRTUAL TACTICAL SCENARIO



VIRTUAL RADAR



MISSILE SIMULATION



VIRTUAL ELECTRONIC WARFARE



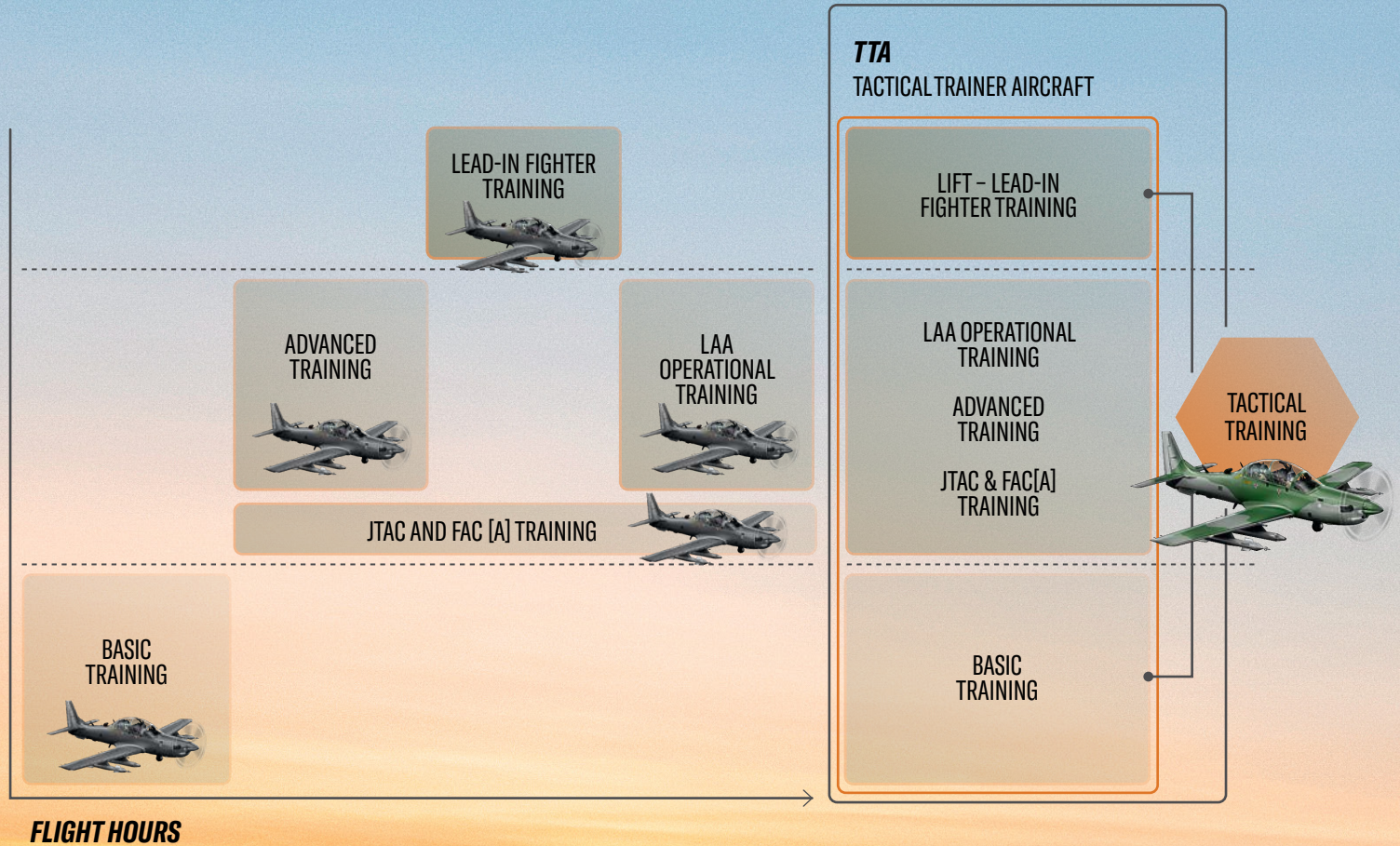


TACTICAL TRAINER

# TACTICAL TRAINER

**MORE THAN  
AN ADVANCED  
TRAINER**

**COVERING THE  
TRAINING NEEDS  
COMPREHENSIVELY**





The image shows two A-29 Super Tucano aircraft in flight against a sunset sky. The aircraft are olive green with black accents. The larger aircraft is in the foreground, flying towards the left, with a missile mounted under its wing. The smaller aircraft is in the background, also flying towards the left. The sky is a mix of orange, yellow, and blue, with a thin orange line running diagonally across the scene.

# THE AIRCRAFT

The A-29 Super Tucano is a clean-sheet design aircraft, conceived as a rugged platform able to withstand the most hostile environments without constant maintenance downtime. Furthermore it was developed as a multi-mission platform with easy and instantaneous reconfiguration for light attack, air reconnaissance and training missions. This is enhanced by a very flexible and rapid reconfiguration system for weapons and sensors. The robustness of the aircraft structure permits operations from unpaved runways and increases its survivability, offering Air Forces the most comprehensive multi-mission solution in the category.



# PERFORMANCE

## OPTIMUM PERSISTENCE

### SPEED

Maximum Operating Speed (V <sub>mo</sub> )	320
Cruise speed	280
Stall speed	80

### RANGE / ENDURANCE

Maximum Range with 3 external tanks	1,550 NM
Endurance with internal fuel	3.4 hours
Endurance with 2 external tank and EO/IR sensor	5.2 hours

### FIELD PERFORMANCE

	m / ft
Takeoff to clear 50 ft obstacle at sea level	900 / 2,950
Landing to clear 50 ft obstacle at sea level	860 / 2,820

### CLIMB

Rate of climb at sea level	3,240 ft / min
Time to climb to 10,000ft	3 min
Service ceiling	35,000 ft

### LOADS

	'g'
Maximum Load Factor	+ 7 / - 3.5

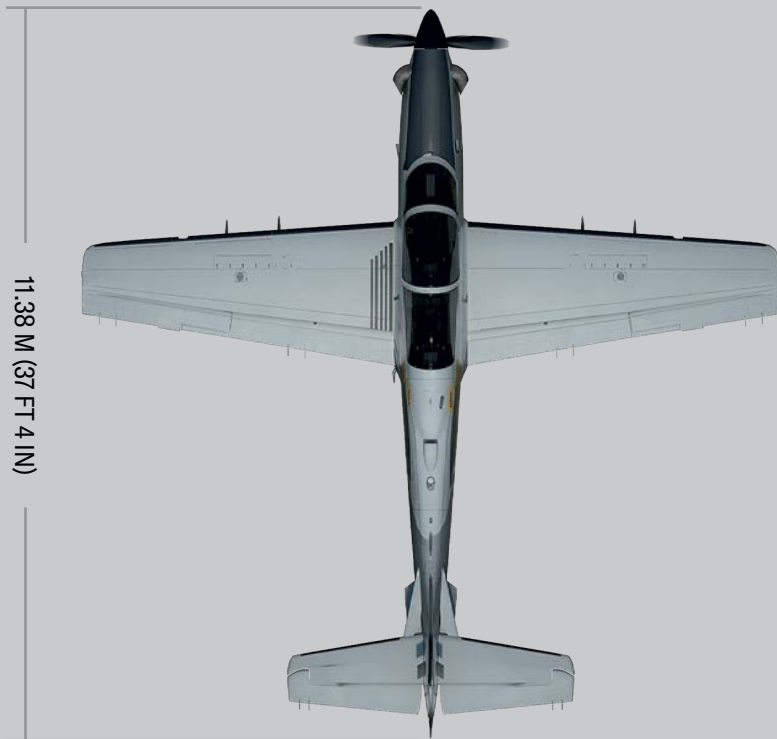
### WEIGHTS

	kg
Basic Empty Weight	3,200
MTOW (with external loads)	5,400
External loads	1,550



# PERFORMANCE

## CHARACTERISTICS & PERFORMANCE





# EXTREMELY RUGGED PLATFORM

DESIGNED TO OPERATE  
FROM FORWARD AIR BASES



**BIRD IMPACT  
RESISTANT  
WINDSHIELD**

**STRUCTURE WITH  
HIGH LEVEL OF  
RESISTANCE**

**CORROSION PROTECTED  
TO WITHSTAND  
AGGRESSIVE  
ENVIRONMENTS**

**RUGGED LANDING  
GEAR FOR OPERATIONS  
IN UNPAVED RUNWAYS**

## **HIGH FATIGUE LIFE**

Combat: 12000 flight hours  
Training: 18000 flight hours  
Airframe life monitored through the Fatigue  
Index Computation Software – FICS



# SELF PROTECTION SYSTEM



## SURVIVABILITY



### **DON'T BE SEEN**

- Low thermal signature.
- Low audible signature.
- Low visual signature.
- Low Logistics footprint.
- Tactics – Combat Training.
- High altitude operation.



### **IF SEEN / DON'T BE ACQUIRED**

- Enhanced Situational Awareness.
- Small cross-section.
- Highly Maneuverable.
- Exploit terrain.



### **IF ACQUIRED / DON'T BE HIT**

- Self Protection System.
- Highly Manoeuvrable.



### **IF HIT / SURVIVE THE MUNITION EFFECT**

- Armor.
- System Redundancy.
- Self-sealing tanks.
- Structure with high level of safety.



### **IF DEFEATED / CREW SURVIVAL**

- Egress System.
- Survival Kit.



# **SELF PROTECTION SYSTEM**

**COCKPIT AND ENGINE ARMORED**

**ARMOR PROTECTION**  
0.5" AND 7.62 MM MUNITIONS

**CHAFF & FLARE** / **MAWS** / **RWR** / **SELF SEALING**



# MODERN COCKPIT

## OUTSTANDING MISSION SITUATIONAL AWARENESS

The A-29 Super Tucano's cockpit design reduces the pilot's workload and provides maximum situational awareness. Excellent accessibility, ergonomics, and an advanced human-machine interface all support the intuitive control of the aircraft and allows the crew to focus on mission outcomes.

**GLASS COCKPIT CONCEPT**

**ANTI-G SYSTEM**

**OBOGS**

**ARMORED COCKPIT AND ENGINE COMPARTMENT**

**HOTAS (HANDS ON THROTTLE AND STICK) CONTROLS**

**TWO REDUNDANT MISSION COMPUTERS**  
(MDP - MISSION AND DISPLAY PROCESSOR)

**AUTO FLIGHT (AUTOPILOT / FLIGHT DIRECTOR SYSTEM)**

**HUD - HEAD-UP DISPLAY WITH COLOR HUD VIDEO CAMERA (CHVC)**

**UP FRONT CONTROL PANEL (UFCP)**

**PRESSURIZED COCKPIT WITH AIR CONDITIONING**

## VISUAL OPERATION WITH HIGH LEVEL OF SITUATIONAL AWARENESS





# SYSTEMS



## **ELECTRO-OPTICAL/ INFRA-RED (EO/IR) SENSOR**

Latest generation of EO/IR options for gathering images in day/night operations for target recognition. Embedded laser designator for target designation and precise attack.

## **LASER RANGE FINDER**

The LRF provides enhanced weapons aiming precision even when employing general purpose bombs.

## **TACTICAL DATA LINK**

Enables reliable air-to-air, air-to-ground communication scenarios through encrypted messages transmission and reception.

## **NIGHT VISION GOGGLE (NVG)**

Night operational capability with infra-red vision through the NVG Gen. III integrated for both pilots. Cockpit and external lights fully compatible.

## **EJECTION SEATS**

Zero-zero Ejection Seats with 3 selectable modes of operation.

## **PROPULSION SYSTEM**

The worldwide employed, reliable and fuel efficient Pratt & Whitney PT6A-68C Engine with 1,600 shp. The propulsion system is automatically controlled by a PMU (Power Management Unit) and monitored through the EICAS (Engine Indication and Crew Alerting System).

## **ELECTRONIC WARFARE SUITE**

Configurable self protection system with CMDS, RWR and MAWS capable of automated operations. The system is programmable according to the operational philosophy and scenarios.

## **RECORDER SYSTEM**

Designed to store the mission parameters and images from the sensors. Fully compatible with the Mission Planning and Debriefing Stations for uploading and downloading missions data.

## **STORE MANAGEMENT SYSTEM (SMS)**

Fully integrated SMS managing the five NATO Standard stations and the two internal .50 machine guns.

- Master Modes (CCIP/ CCRP/ DTOS/ LCOS/ CCIL/ SSLC)
- Armament Remaining
- In-Flight Re-cocking
- In-Flight Debriefing
- Inventory Selection

# SYSTEMS



## COMM & NAV

The communication suite offers very customizable solution with secure comm options through VHF, V/UHF, HF and Datalink radios. The navigations system is based on the Embedded GPS, Inertial System and Radio Altimeter (EGIR) fully integrated with the weapons system.

## BRAKE SYSTEM

The baseline configuration already includes the Anti-Skid system providing a more secure and efficient operation.

## AUTOMATIC RUDDER TRIM UNIT (ARTU)

The ARTU allows the take-off operation with maximum engine power increasing the performance and payload capacity. Furthermore, it also reduces the pilot workload during all flight phases.

## HANDS ON THROTTLE AND STICK (HOTAS)

The HOTAS solution philosophy is the same applied in the front-line fighters, it maximizes the pilot situational awareness and delivers enhanced accuracy during attack procedures.

## IDENTIFICATION FRIEND OR FOE (IFF)

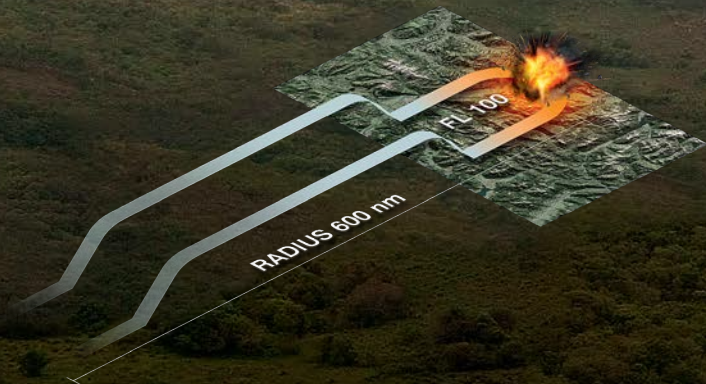
The IFF Transponder System provides automatic recognition of the aircraft when interrogated by other airborne. It includes the Automatic Dependent Surveillance-Broadcast (ADS-B) capability. The IFF Transponder system can provide both military and civilian modes.



# RADIUS OF ACTION



DELIVERING RESULTS IN THE RIGHT PLACE, WITH THE RIGHT EQUIPMENT AND MAXIMUM ENDURANCE



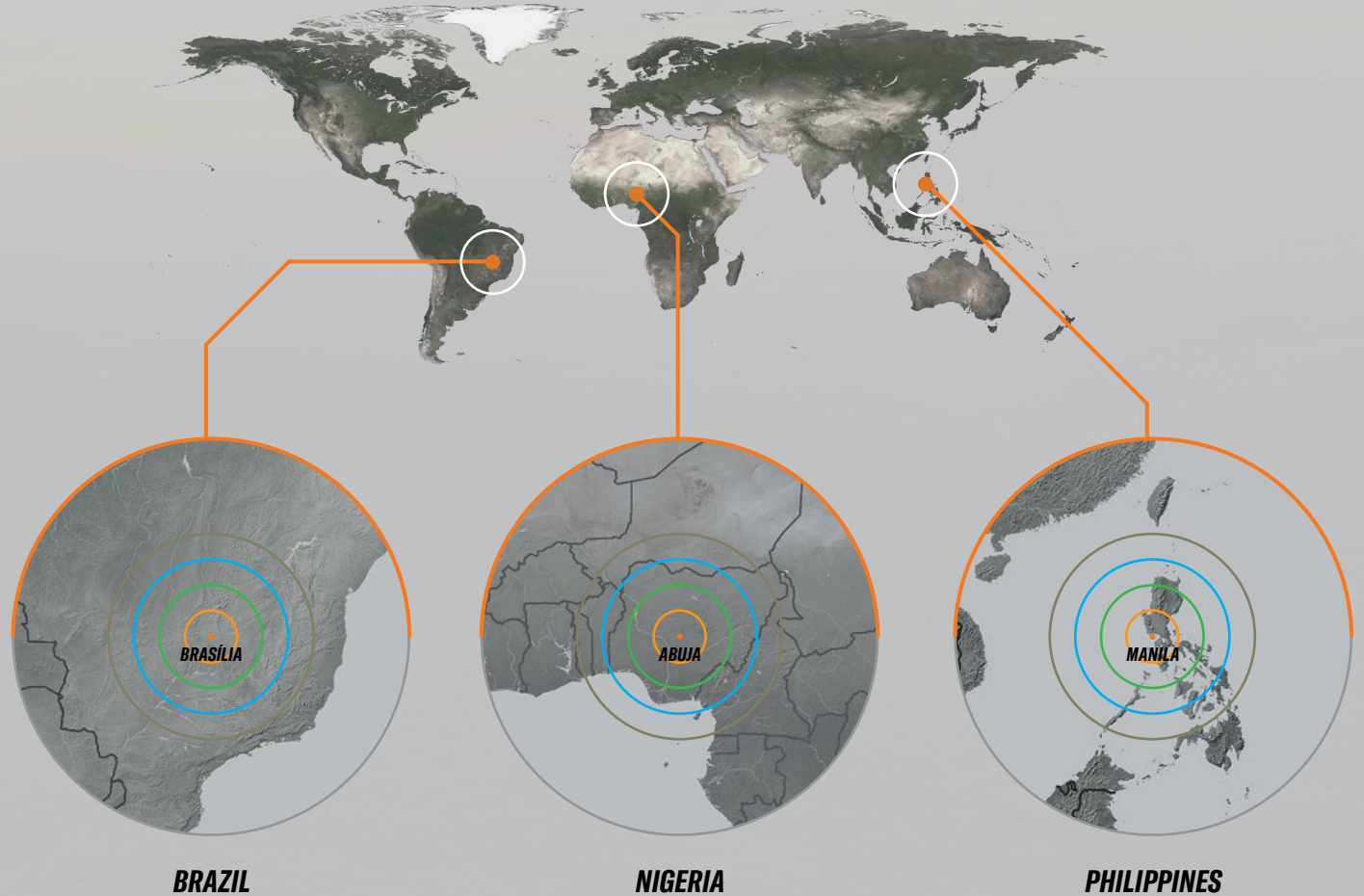
# RADIUS OF ACTION

## LIGHT ATTACK MISSION CONFIGURATION:

- 2 Internal M. Guns
- EO/IR Sensor
- 2 GBU-12 LGBs
- 2 Tanks

## RANGE/ TIME ON STATION:

- 100 nm / 3:30 h
- 200 nm / 2:40h
- 300 nm / 1:50 h
- 400 nm / 1:00 h





# GROUND TRAINING DEVICES & STATIONS

## COMPREHENSIVE SOLUTION

Embraer offers a comprehensive solution for training, from software for use in regular computers to the most advanced Flight Training Device, which the Air Forces can select according to their operational requirements.

Among the many options, the Embedded Tactical Training Simulation stands out. It is an OFP optional capability that simulates the combat environment, showing allied and enemy aircraft and even allowing the simulated use of the weaponry.

The more complete the training solution, the fewer hours the Air Force will spend using the aircraft to prepare the pilots, accelerating the learning process, freeing the aircraft to carry out missions, and optimizing the operational costs.



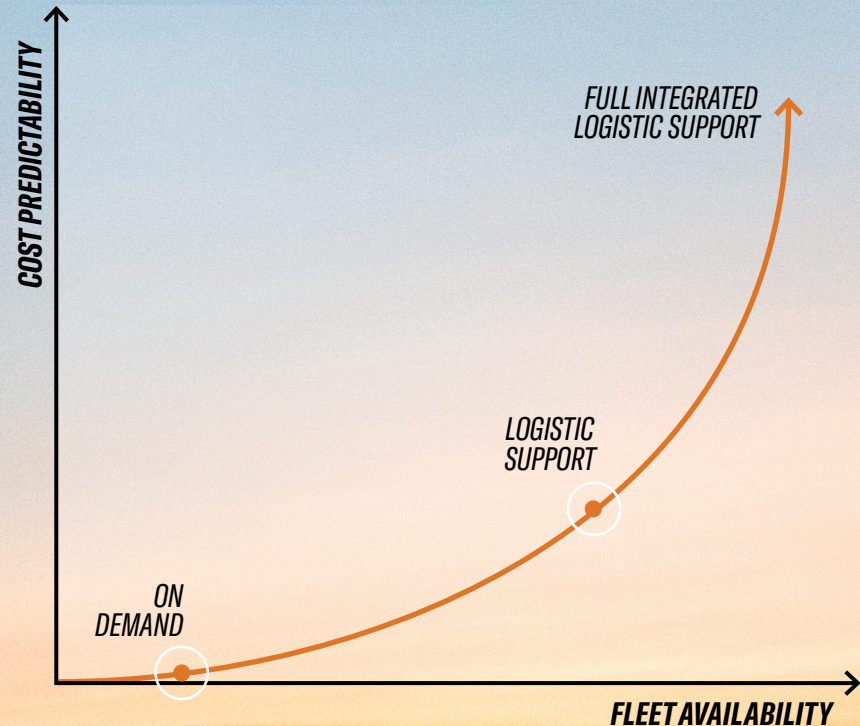


# INTEGRATED LOGISTICS SUPPORT

The A-29 Super Tucano has a complete support solution, with services and parts packages fully customizable according to the Air Forces' needs.

Highlighting the Full Integrated Logistics Support package, for which the Air Force pays per hour of flight and Embraer manages its entire spare parts inventory and performs all preventive maintenance required, with a history of great success in increasing fleet availability.

Coordinating the various Services & Support options available, Embraer maintains a Customer Contact Center working 24 hours, 7 days a week, ready to provide the necessary answers and solutions, and fully committed to keeping the fleet always ready for the mission.





# INTEGRATED LOGISTICS SUPPORT

## MRO

Maintenance  
Painting  
Startup Team

## MATERIAL SERVICES

Spare Parts  
Repair  
Logistical Management

## TECHNICAL SERVICES

Logistical Management  
Obsolescence Management  
Technical Publications

## FLIGHT OPS

Operational Support Devices  
Ferry Flight

## TRAINING

Training Services  
Training Tools/ Devices

## INTEGRATED SERVICES

Entry Into Services (EIS)  
Full Integrated Logistic Support (ILS)

# THE BEST FOR THE MISSION



**DESIGNED FROM THE BEGINNING** as a multi-mission aircraft – LAA | ARA | TTA

**ALWAYS READY:** High Level of availability and constantly updated

**OPERATES FROM FORWARD BASE** from unpaved runways

**OPERATION AFFORDABLE** The most cost-effective of the category

**COMBAT PROVEN:** liable and precise with dozens of thousands of combat hours

**OPTIMUM BALANCE** of agility, range and endurance

**HIGHLY SURVIVABLE,** low operational footprint

**IN PRODUCTION** and Fully Operational worldwide

**SINGLE PLATFORM, MULTI-APPLICATION:** combat, ISR and training

**CERTIFIED** by the US Military Airworthiness Authority

**ACCURATE TARGETING SYSTEM** with optimal target-weapon matching

**TACTICAL INTEROPERABILITY** in its core



# EMBRAER DEFENSE & SECURITY, PRESENT IN ALL DOMAINS

Leader in the aerospace and defense industry of Latin America, Embraer Defense & Security offers a complete line of integrated solutions such as C4I (Command, Control, Communication, Computers, and Intelligence) applications, leading edge technologies in the production of radars, advanced information and communication systems, integrated systems for border monitoring and surveillance, as well as military and government transportation aircraft. With a growing presence on the global market, Embraer Defense & Security products are present in more than 60 countries.





Ed 2 December/2022

[embraerds.com](http://embraerds.com)

Follow us at: [in](#) [t](#) [i](#) [v](#)



CHALLENGE.  
CREATE.  
OUTPERFORM.