

### **← EMBRAER** EMB12O **Bresilis**

### **AIRPLANE FLIGHT MANUAL**

### SECTION I GENERAL

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# AIRPLANE FLIGHT MANUAL SECTION I GENERAL

#### **DEFINITION OF TERMS:**

The following definitions apply to the terms bellow:

**NOTE:** An operating procedure, technique or other related information which is considered essential to emphasize.

CAUTION: OPERATING PROCEDURES, TECHNIQUES AND OTHER RELATED PROCEDURES WHICH MAY RESULT IN DAMAGE OR DESTRUCTION OF THE EQUIPMENT, IF NOT CAREFULLY FOLLOWED.

WARNING: OPERATING PROCEDURES, TECHNIQUES AND OTHER RELATED PROCEDURES WHICH MAY RESULT IN PERSONAL INJURY OR LOSS OF LIFE, IF NOT CAREFULLY FOLLOWED.

### LAND AS SOON AS POSSIBLE OR LAND AT THE NEAREST SUITABLE AIRPORT

An emergency will be declared. A landing should be accomplished at the nearest suitable airfield considering the severity of the emergency, weather conditions, field facilities, ambient lighting, aircraft gross weight and command guidance.

#### LAND AS SOON AS PRACTICAL

The emergency conditions are less urgent, and although the mission is to be terminated, the degree of the emergency is such that an immediate landing at the nearest adequate airfield may not be necessary.

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#### **ABBREVIATIONS USED**

ABBREVIATIONS	MEANING
Α	Ampere
°C	Degree Centigrade
ft	Feet
g	Gravity Acceleration
kg	Kilogram
kt	Knots
lb	Pounds
m	Meter
mb	Millibar
min	Minute
psi	Pounds per Square Inch
sec	Second
t	Time
V	Volt
AC	Alternating Current or Advisory Circular
ADF	Automatic Direction Finder
ADI	Attitude Director Indicator
AGL	Above Ground Level
AHRS	Attitude and Heading Reference System
ANG	Angular
AOA	Angle of Attack
AP	Autopilot
APU	Auxiliary Power Unit
ATC	Air Traffic Control
ATT	Attitude
AUTO	Automatic
AUX	Auxiliary
BATT	Battery
BIT	Built-in-test
C.G.	Center of Gravity
CL	Climb

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ABBREVIATIONS	MEANING
CR	Cruise
CRS	Course
DC	Direct Current
DET	Detector
DEV	Deviation
DISC	Disconnect
DH	Decision Height
DME	Distance Measuring Equipment
DPU	Display Processor Unit
EADI	Electronic Attitude Director Indicator
EEC	Electronic Engine Control
EFIS	Electronic Flight Instrument System
EGT	Exhaust Gas Temperature
EHSI	Electronic Horizontal Situation Indicator
EMERG	Emergency
ENG	Engine
EXT	External
EXTG	Extinguishing
FAIL	Failure
FAR	Federal Aviation Regulation
FD	Flight Director
FIS	Flight Instrument System
FLT	Flight
GEN	Generator
GLS or GS	Glide Slope
GND	Ground
HDG	Heading
HF	High Frequency
HMU	Hydromechanical Metering Unit
HYD	Hydraulic
ICAO	International Civil Aviation Organization
IFR	Instrument Flight Rules

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ABBREVIATIONS	MEANING	<del></del>
ILS	Instrument Landing Custom	
INOP	Instrument Landing System Inoperative	
ISA	ICAO Standard Atmosphere	
KCAS	Calibrated Airspeed Expressed in Knots	
KEAS	Equivalent Airspeed Expressed in Knots	
KIAS	Indicated Airspeed Expressed in Knots	
KTAS		
LIN	True Airspeed Expressed in Knots Linear	
LOC	Localizer	
M	Mach	
MAC		
MAN	Mean Aerodynamic Chord  Manual	
MAX	Maximum	
MEH		
MIN	Minimum Engagement Height Minimum	
MLW		
MMO	Maximum Landing Weight	
MON	Maximum Operating Mach  Monitor	
MOW		
MRW	Minimum Operating Weight	
MTOW	Maximum Ramp Weight	
MZFW	Maximum Takeoff Weight	
NAV	Maximum Zero Fuel Weight	
NH	Navigation	
N <sub>L</sub>	High Pressure Compressor Speed	
_	Low Pressure Compressor Speed	
Np OAT	Propeller Speed	
PRESS	Outside Air Temperature	
PSID	Pressure  Pounds nor Square Inch Differential	
PWR	Pounds per Square Inch Differential	
RA	Power	
	Radio Altitude	
RMI	Radiomagnetic Indicator	

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MEANING
Revolutions per Minute
Runway Visual Range
Torque Signal Conditioning Units
Shaft Horse Power
Sea Level
Standby
Synchronized
Interturbine Temperature
Total Air Temperature
True Airspeed
Temperature
Takeoff
Takeoff Decision Speed
Minimum Takeoff Decision Speed
Takeoff Safety Speed
Design Maneuvering Speed
Critical Engine Failure Speed
Maximum Flap Extended Speed
Visual Flight Rules
Very High Frequency
Maximum Landing Gear Extended Speed
Very Low Frequency
Maximum Landing Gear Operation Speed
Lift-Off Speed
Air Minimum Control Speed
Ground Minimum Control Speed
Maximum Operating Speed
VHF Omnidirectional Range
Rotation Speed
Landing Reference Speed as related to the specific flap setting (XX)
Stall Speed
Cross
Cross Transfer

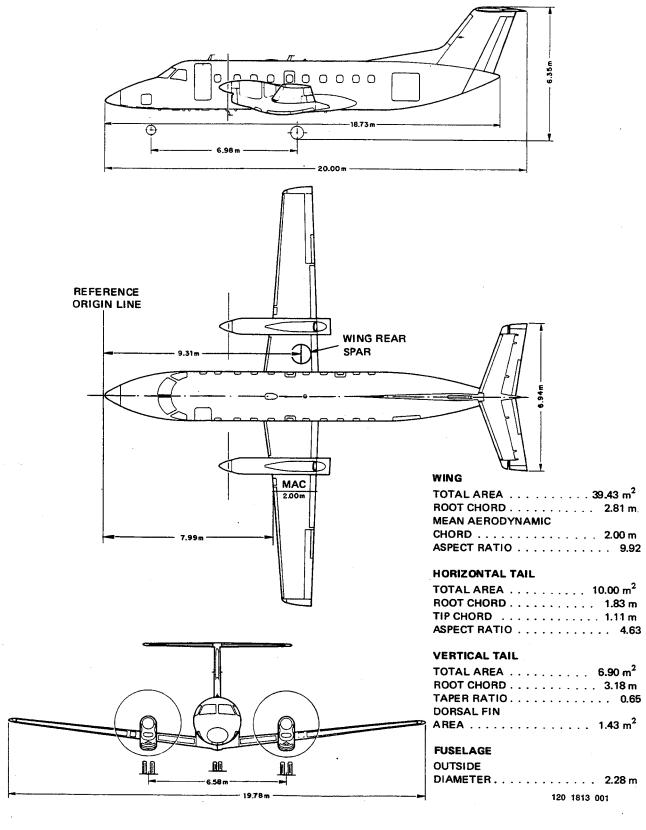
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#### THREE-VIEW DRAWING



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