



TYPE CERTIFICATE DATA SHEET Nº EA-2016T10

Type Certificate Holder:

COSTRUZIONI AERONAUTICHE TECNAM S.P.A.

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ITALIA

**EA-2024T01-00
Sheet 01**

TECNAM

P-MENTOR

14 February 2024

This data sheet, which is part of Type Certificate No. 2016T10, prescribes conditions and limitations under which the product, for which the Type Certificate was issued, meets the airworthiness requirements of the Brazilian Aeronautical Regulations.

I - Model P-Mentor (Normal Category), approved 05 January 2024.

ENGINES	BRP-Rotax GmbH 912 iSc3 Sport		
ENGINE LIMITS	Max. take-off power (max. 5 min)	100 HP at 5 800 RPM	
	Max. continuous power	98 HP at 5 500 RPM	
PROPELLERS	MTV-21-A/180-51		
	Number of blades:	2	
	Diameter:	1.800 m (71 in)	
AIRSPEED LIMITS	AIRSPEED	KIAS	KCAS
	Never Exceed Speed (V_{NE})	135	135
	Maximum Structural Cruising Speed (V_{NO})	107	108
	Design Manoeuvring Speed (V_A):	102	103
	Flap Extended Speed (take off) (V_{FE-TO})	106	105
	Flap Extended Speed (Land) ($V_{FE-LAND}$)	96	95
C. G. RANGE	Forward Limit		
	1.753 m behind Datum up to 550kg		
	1.780 m behind Datum at 720kg (MTOW)		
	Aft Limit		
	1.889 m behind Datum		
DATUM	Propeller support flange		
LEVELLING MEANS	Seat support trusses (see "P-Mentor Flight Manual" Sect.6 for the procedure)		
MAXIMUM WEIGHT	Takeoff	720 kg	
	Landing	720 kg	
MINIMUM FLIGHT CREW	1 pilot		

MAXIMUM PASSENGER SEATING CAPACITY	1
BAGGAGE / CARGO COMPARTMENTS	Maximum Allowable Load: 30 kg (66 lbs) Location: 2.26 m (88.98 in) aft the datum
FUEL CAPACITY	Total: 140 liters (30.8 US gal) Usable: 131.6 liters (28.9 US gal)
OIL CAPACITY	Maximum: 3 liters (2.6 US qts) Minimum: 2.5 liters (2.2 US qts)
S/N'S ELIGIBLE	From 1001 to subsequent.
IMPORT ELIGIBILITY	<p>A Brazilian Certificate of Airworthiness may be issued on the basis of an EASA Export Certificate on Airworthiness (or a third country Export Certificate on Airworthiness, in case of used aircraft imported from such country), including the following statement:</p> <p>“The aircraft covered by this certificate has been inspected, tested and found to be in conformity with the Brazilian approved type design as defined by the ANAC Type Certificate no. 2024T01 and in condition of safe operation”.</p>
CERTIFICATION BASIS	<p>The certification basis for the aircraft model is RBAC 21 Section 21.29, Brazilian Aeronautical Certification Regulations, including the following Brazilian Aeronautical Certification Regulations:</p> <ul style="list-style-type: none">– RBAC 23, which endorses the 14 CFR Part 23 effective February 1 1965 including amdt 23-1 through 23-64; <p>For the P-Mentor the compliance was verified through equivalency finding to EASA CS-23 amdt.5 dated 29 March 2017 EASA CS-ACNS issue 2, dated 26 April 2019.</p> <ul style="list-style-type: none">– Requirements elected to comply: None.– RBAC 36 amdt 28 corresponding to 14 CFR Part 36 Amendments 36-00 through 36-28. <p>For the P-Mentor the compliance was verified through equivalency finding to CS-36 amdt. 5 dated 29 July 2019, subpart C with reference to ICAO Annex 16, Volume 1, Chapter 10, amdt. 12 dated 2017.</p> <p>Special Conditions:</p> <ul style="list-style-type: none">– None <p>Exemptions:</p> <ul style="list-style-type: none">– None <p>Equivalent Safety Findings:</p> <ul style="list-style-type: none">– None
APPROVED KINDS OF OPERATION	Day/Night VFR IFR
PROHIBITED KINDS OF OPERATION	Flight into expected or actual icing conditions.

MAXIMUM OPERATING ALTITUDE 3 962 m (13 000 ft). or

REQUIRED EQUIPMENT The basic required equipment, as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the airplane. Such equipment is listed in the current ANAC approved Airplane Flight Manual doc. No. 2002/1032, section 6

MANUALS

1. Flight Manual: Doc. No 2002/1032 "Aircraft Flight Manual" Issue. 1, Rev. 8 or latest issue
2. Maintenance Manual: Doc. No 2002/1033 "Aircraft Maintenance Manual" Issue. 1 or latest issue
3. Illustrated Parts Catalogue: Doc. No 2002/1234 "Aircraft Illustrated Parts Catalogue" Issue. 1 or latest issue

NOTES:

NOTE 1 Weight and balance. Current weight and balance report, including list of equipment included in certificated empty weight and loading instructions when necessary, must be provided for each aircraft at the time of original certification. The certificated empty weight and corresponding center of gravity location must include unusable fuel 6.72 kg (14.81 lb) at 2.14 m (84.25 in) aft of datum.

NOTE 2 AFM, Markings and placards.
The placards specified in the approved Aircraft Flight Manual Ed. 1 e Rev. 8 (or later EASA approved revision), including the placards in Portuguese specified in the Brazilian Aircraft Flight Manual Supplement No. S10 must be displayed in the specified locations.

NOTE 3 Continuing Airworthiness.
Information essential to the proper maintenance of the aircraft is contained in the Manufacturer's Maintenance Manual provided with the aircraft. The approved service lives, mandatory inspection and other approved supplemental procedures are listed in approved Chapter 4, Airworthiness Limitation Section of the P-Mentor Aircraft Maintenance Manual Doc. No. 2002/1033 "Aircraft Maintenance Manual" Issue. 1 or latest issue approved by the EASA and accepted by ANAC.

NOTE 4 Use of automotive gasoline (MOGAS) is not allowed for operation in Brazil.

NOTE 5 The differences of the Brazilian airplanes in relation to the basic EASA type design are summarized below:
The Brazilian Airplane Flight Manual Supplement No. S10 approved by EASA, on behalf of ANAC.
Markings and placards in the Portuguese language (see note 2).

CHANGE RECORD

Revision	Application Date	Changes	TC issue/reissue
00	04/09/2023	Initial Issue	14 February 2024

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This TCDS is available at ANAC website:

<https://sistemas.anac.gov.br/certificacao/Produtos/EspecificacaoOrgE.asp>