

ICAO AIRPLANE CO₂ CERTIFICATION DATABASE (CO₂DB)

CO2DB Datasheet Template

Record Status: Current

IDENTIFICATION OF AEROPLANE TYPE DESIGN:

Aeroplane CO2DB UID: 37

Applicant: Aeroplane TC Holder

Aeroplane:

Aeroplane Type Certificate Identification:
A-236 (TCCA), EASA.IM.A.570 (EASA), T00008NY (FAA)

Aeroplane Supplemental Type Certificate Identification (if applicable):

Aeroplane TC Holder:
Airbus Canada Limited Partnership

Aeroplane STC Holder (if applicable):

Aeroplane Type Designation:
BD-500-1A10 (A220-100)

Mod. No. / Freeform Description:
Aircraft CO2 variant 102

Number of Propulsion Engines:
2

Engine:

Engine TC Holder:
Pratt & Whitney

Engine STC Holder (if applicable):

Type Designation:
PW1521G

Engine Type Certificate Identification:
E-38 (TCCA), EASA.IM.E.090 (EASA), E00090EN (FAA)

Engine Supplemental Type Certificate Identification (if applicable):

Mod. No. / Freeform Description:

If revised, these data supersede Aeroplane CO2DB UID:

CO₂ Certification Basis:

Primary Certifying Authority (CA):
TCCA

Date of CO₂ Certification (yyyy-mm-dd):
2025-12-22

State's Regulation:
AWM 516 Subchapter C

Edition/Amendment:
516-16

Certification Basis:
CAEP/10 InProduction

Propeller (if applicable):

Propeller TC Holder:

Propeller STC Holder (if applicable):

Type Designation:

Propeller Type Certificate Identification:

Propeller Supplemental Type Certificate Identification (if applicable):

Mod. No. / Freeform Description:

REGULATORY DATA:

Certified CO ₂ MTOM (kg):	63730	Value rounded to nearest kilogram
CO ₂ Emissions Evaluation Metric Value* (kg/km):	0.677	Value rounded to 3 decimal places (X.XXX)

Summary of data as per ICAO Annex 16 Volume III : Limit for this MTOM and comparison of Metric Value to this limit

		Limit for this MTOM	MV Percentage of this limit
Part II, Chapter 2, 2.4.2 d)-f)	CAEP/10 In-Production	0.797	84.9%
Part II, Chapter 2, 2.4.2 a)-c)	CAEP/10 New Type	0.764	88.6%

REMARKS

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