

**Civil Aviation Authority
United Kingdom**



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.A.00090

for

EMBRAER EMB-500

Type Certificate Holder

EMBRAER S.A.

Av. Brigadeiro Faria Lima. 2170
12227-901 São José dos Campos - SP
Brazil

Model(s) EMB-500

Issue: 1

Date of issue: 19 December 2023

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| Type Designation | Airframe Modification | MTOW (kg) | MLW (kg) | Engine | Regulation Ed./Amend. Chapter | Lateral Level (EPNdB) | Lateral Limit (EPNdB) | Flyover Level (EPNdB) | Flyover Limit (EPNdB) | Approach Level (EPNdB) | Approach Limit (EPNdB) | Notes | Record Number |
|------------------|--|-----------|----------|--|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-------|---------------|
| EMB-500 | DCA 0500-000-00032-2015 Enhanced Performance | 4,855 | 4,535 | Pratt & Whitney Canada Corp. PW617F1-E | Annex 16/I Chapter 4 | 81.6 | 94.0 | 70.8 | 89.0 | 86.1 | 98.0 | None | A19151 |
| EMB-500 | None | 4,750 | 4,430 | Pratt & Whitney Canada Corp. PW617F-E | Annex 16/I 4/8 Chapter 4 | 81.4 | 94.0 | 70.4 | 89.0 | 86.1 | 98.0 | None | A10194 |
| EMB-500 | None | 4,800 | 4,480 | Pratt & Whitney Canada Corp. PW617F-E | Annex 16/I 4/8 Chapter 4 | 81.4 | 94.0 | 70.8 | 89.0 | 86.1 | 98.0 | None | A18905 |

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Administration

I. Acronyms and Abbreviations

| Acronym / Abbreviation | Definition |
|-------------------------------|---------------------------------------|
| Ed./Amend. | Edition/Amendment |
| EPNdB | Effective perceived noise decibel |
| MTOW | Maximum take-off weight |
| MLW | Maximum landing weight |
| Regulation Annex 16/I | ICAO Annex 16 Volume I |
| TCDSN | Type Certificate Data Sheet for Noise |

II. Type Certificate Holder Record

| TCH Record | Period |
|---|----------------------|
| EMBRAER S.A. Av. Brigadeiro Faria Lima. 2170 12227-901 São José dos Campos – SP Brazil | Present. No changes. |

III. Amendment Record

| TCDSN Issue No. | TCDSN Issue Date | Changes | TC Issue and Date |
|------------------------|-------------------------|----------------|-----------------------------|
| 1 | 19 December 2023 | | Issue 1 19 December 2023 |