



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.157

for

EMB-500

Type Certificate Holder:

Embraer S.A.

Av. Brig. Faria Lima. 2170
12227-901 São Jose dos Campos SP
Brazil

For models:
EMB-500



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Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-500**
 (Commercial Designation **Phenom 100)**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW617F-E**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18905	4,800	4,480	81.4	94.0	70.8	89.0	86.1	98.0	-
A10194	4,750	4,430	81.4	94.0	70.4	89.0	86.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-500**
 (Commercial Designation **Phenom 100EV)**

Engine Manufacturer¹ **Pratt & Whitney Canada Corp.** Engine Type Designation¹ **PW617F1-E**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **DCA 0500-000-00032-2015 (Enhanced Performance)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19151	4,855	4,535	81.6	94.0	70.8	89.0	86.1	98.0	-

¹ See Note 1.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

TCDSN EASA.IM.A.157 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



Change Record

Issue	Date	Changes
Issue 1	24 April 2009	Initial Issue
Issue 2	05 November 2013	Maximum Weight Increase
Issue 3	25 March 2022	TC holder revised
Issue 4	07 March 2024	Addition of the new EASA noise record A19151.

