



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.158

for

EMBRAER EMB-505

Type Certificate Holder:

Embraer

Rodovia Presidente Dutra, km 134
Distrito de Eugenio de Melo
12247-004 - São Jose dos Campos - SP
Brazil

For models: EMB-505



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Type Certificate Holder¹ **Embraer** Aircraft Type Designation¹ **EMB-505**
(Commercial Designation) **Phenom 300)**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW535E**

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 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18891	8,340	7,730	88.7	94.0	70.6	89.0	88.4	98.0	-
A14221	8,150	7,650	88.8	94.0	69.9	89.0	88.5	98.0	-

¹ See Note 1.



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Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB 505-27-0011 (REMOVAL OF FLAP FULL LIMITATION)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18893	8,340	7,730	88.7	94.0	70.6	89.0	88.9	98.0	-
A18892	8,150	7,650	88.8	94.0	69.9	89.0	88.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer** Aircraft Type Designation¹ **EMB-505**

Engine Manufacturer¹ **Pratt & Whitney Canada, Inc.** Engine Type Designation¹ **PW535E1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
C19390	8,415	7,835	89.2	94.0	70.6	89.0	88.9	98.0	-

¹ See Note 1.



TCDSN EASA.IM.A.158 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	29 April 2010	Initial Issue.
Issue 2	08 April 2013	Record A 18892 added.
Issue 3	30 April 2013	Added new MTOW
Issue 4	05 June 2020	Added record C19390

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