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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.158**

**for**

**EMB-505**

**Type Certificate Holder:**

**Embraer S.A.**

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

For models:

EMB-505



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Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **EMB-505**  
(Commercial Designation      **Phenom 300)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada, Inc.**      Engine Type Designation<sup>1</sup>      **PW535E**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 4 / Amendment 8**      Chapter<sup>1</sup>      **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A14221	<b>8,150</b>	<b>7,650</b>	<b>88.8</b>	<b>94.0</b>	<b>69.9</b>	<b>89.0</b>	<b>88.5</b>	<b>98.0</b>	-

<sup>1</sup> See Note 1.



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(Commercial Designation      **Phenom 300)**

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Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 5 / Amendment 9**      Chapter<sup>1</sup>      **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A18891	<b>8,340</b>	<b>7,730</b>	<b>88.7</b>	<b>94.0</b>	<b>70.6</b>	<b>89.0</b>	<b>88.4</b>	<b>98.0</b>	-

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **EMB-505**  
(Commercial Designation      **Phenom 300)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada, Inc.**      Engine Type Designation<sup>1</sup>      **PW535E**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **SB 505-27-0011 (REMOVAL OF FLAP FULL LIMITATION)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 5 / Amendment 9**      Chapter<sup>1</sup>      **4**

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

<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **EMB-505**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada, Inc.**      Engine Type Designation<sup>1</sup>      **PW535E1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 7 / Amendment 11-B**      Chapter<sup>1</sup>      **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19390	<b>8,415</b>	<b>7,835</b>	<b>89.2</b>	<b>94.0</b>	<b>70.6</b>	<b>89.0</b>	<b>88.9</b>	<b>98.0</b>	-

<sup>1</sup> 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.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**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
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
Issue 5	25 March 2022	TC holder and address revised

