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
INTENTIONALLY LEFT BLANK
### Type Certificate Holder
Emberson S.A.

### Engine Manufacturer
Pratt & Whitney Canada Corp.

### Aircraft Type Designation
EMB-500

### (Commercial Designation)
Phenom 100

### Engine Type Designation
PW617F-E

### Additional modifications essential to meet the requirements or needed to attain the certificated noise levels
None

### Noise Certification Basis
ICAO Annex 16, Volume I
Edition / Amendment
Edition 4 / Amendment 8
Chapter
4

<table>
<thead>
<tr>
<th>EASA Record No.</th>
<th>Maximum Mass</th>
<th>Lateral EPNL</th>
<th>Flyover EPNL</th>
<th>Approach EPNL</th>
<th>See Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Take-off (kg)</td>
<td>Landing (kg)</td>
<td>Level</td>
<td>Limit</td>
<td>Level</td>
</tr>
<tr>
<td>A18905</td>
<td>4,800</td>
<td>4,480</td>
<td>81.4</td>
<td>94.0</td>
<td>70.8</td>
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<td>A10194</td>
<td>4,750</td>
<td>4,430</td>
<td>81.4</td>
<td>94.0</td>
<td>70.4</td>
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</table>

1 See Note 1.
Type Certificate Holder: **Embraer S.A.**

Engine Manufacturer: **Pratt & Whitney Canada Corp.**

Aircraft Type Designation: **EMB-500**

(Commercial Designation: Phenom 100EV)

Engine Type Designation: **PW617F1-E**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels:

**DCA 0500-000-00032-2015 (Enhanced Performance)**

Noise Certification Basis: **ICAO Annex 16, Volume I**

Edition / Amendment: **Chapter 4**

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</thead>
<tbody>
<tr>
<td></td>
<td>Take-off(^1) Landing</td>
<td>Level(^1) Limit</td>
<td>Level(^1) Limit</td>
<td>Level(^1) Limit</td>
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<td>A19151</td>
<td>4,855</td>
<td>4,535</td>
<td>81.6</td>
<td>94.0</td>
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\(^1\) See Note 1.
## CS-36 Amendment level

<table>
<thead>
<tr>
<th>ICAO, Annex 16, Volume I Amendment level</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11-B</th>
<th>12</th>
<th>13</th>
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<tbody>
<tr>
<td>Corresponding CS-36 Amendment level</td>
<td>Initial</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
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## 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

<table>
<thead>
<tr>
<th>Issue</th>
<th>Date</th>
<th>Changes</th>
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</thead>
<tbody>
<tr>
<td>Issue 1</td>
<td>24 April 2009</td>
<td>Initial Issue</td>
</tr>
<tr>
<td>Issue 2</td>
<td>05 November 2013</td>
<td>Maximum Weight Increase</td>
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<tr>
<td>Issue 3</td>
<td>25 March 2022</td>
<td>TC holder revised</td>
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<td>Issue 4</td>
<td>07 March 2024</td>
<td>Addition of the new EASA noise record A19151.</td>
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