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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.188**

**for**

**EMB-120**

**Type Certificate Holder:**

**Embraer S.A.**

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

For models:

EMB-120

EMB-120ER

EMB-120RT



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Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **EMB-120**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW115**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1324	Hamilton Sundstrand	<b>14RF-9/RFC11(1)-6A</b>	<b>11,500</b>	<b>11,250</b>	<b>82.8</b>	<b>94.0</b>	<b>80.8</b>	<b>89.0</b>	<b>92.7</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-120ER**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1080	Hamilton Sundstrand	<b>14RF-9/RFC11()</b> 1-6A	<b>11,990</b>	<b>11,700</b>	<b>83.9</b>	<b>94.0</b>	<b>82.3</b>	<b>89.0</b>	<b>92.7</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-120ER**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118A**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1327	Hamilton Sundstrand	<b>14RF-9/RFC11()</b> 1-6A	<b>11,990</b>	<b>11,700</b>	<b>83.9</b>	<b>94.0</b>	<b>82.5</b>	<b>89.0</b>	<b>92.7</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-120ER**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118B**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1328	Hamilton Sundstrand	<b>14RF-9/RFC11()1-6A</b>	<b>11,990</b>	<b>11,700</b>	<b>83.9</b>	<b>94.0</b>	<b>82.5</b>	<b>89.0</b>	<b>92.7</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-120RT**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1071	Hamilton Sundstrand	<b>14RF-9/RFC11(1)-6A</b>	<b>11,500</b>	<b>11,250</b>	<b>83.5</b>	<b>94.0</b>	<b>81.2</b>	<b>89.0</b>	<b>92.3</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-120RT**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118A**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1333	Hamilton Sundstrand	<b>14RF-9/RFC11()</b> 1-6A	<b>11,500</b>	<b>11,250</b>	<b>84.0</b>	<b>94.0</b>	<b>81.3</b>	<b>89.0</b>	<b>92.7</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-120RT**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW118B**

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      Chapter<sup>1</sup>      **3**

EASA Record No.	Propeller Manufacturer <sup>1</sup>	Propeller Type Designation <sup>1</sup>	Maximum Mass		Lateral / Full Power 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	
B1334	Hamilton Sundstrand	<b>14RF-9/RFC11()</b> 1-6A	<b>11,500</b>	<b>11,250</b>	<b>84.0</b>	<b>94.0</b>	<b>81.3</b>	<b>89.0</b>	<b>92.7</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.188 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>
01	03 May 2021	Initial Issue
02	31 January 2022	TC Holder Transfer Update

