TCDSN No.: EASA.IM.A.188 EMB-120 Page 1 of 11 Date: 31 January 2022

Issue: 2



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



TCDSN No.: EASA.IM.A.188 EMB-120 Page 2 of 11

Issue: 2 Date: 31 January 2022

INTENTIONALLY LEFT BLANK



Issue: 2

Page 3 of 11

Date: 31 January 2022

Type Certificate Holder¹ Embraer S.A. Aircraft Type Designation¹ EMB-120

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW115

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels¹

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

EASA	Propeller	eller Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		ch EPNL	See
Record No.	Manufacturer ¹	Designation ¹	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1324	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,500	11,250	82.8	94.0	80.8	89.0	92.7	98.0	-

None

¹ See Note 1.



3

Issue: 2

Page 4 of 11

Date: 31 January 2022

Type Certificate Holder¹ Embraer S.A. Aircraft Type Designation¹ EMB-120ER

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW118

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 Chapter¹ 3

EASA	Propeller Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Manufacturer ¹		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1080	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,990	11,700	83.9	94.0	82.3	89.0	92.7	98.0	-

¹ See Note 1.



Issue: 2

Page 5 of 11

Date: 31 January 2022

Type Certificate Holder¹ Aircraft Type Designation¹ Embraer S.A. EMB-120ER

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ **PW118A**

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter¹ 3

EASA	Propeller	Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		ch EPNL	See
Record No.	Manufacturer ¹		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1327	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,990	11,700	83.9	94.0	82.5	89.0	92.7	98.0	-

None

¹ See Note 1.



Issue: 2

Page 6 of 11

Date: 31 January 2022

Type Certificate Holder¹ Embraer S.A. Aircraft Type Designation¹ EMB-120ER

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW118B

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 Chapter¹ 3

EASA	Propeller	Propeller Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		ch EPNL	See
Record No.	Manufacturer ¹		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1328	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,990	11,700	83.9	94.0	82.5	89.0	92.7	98.0	-

¹ See Note 1.



Issue: 2

Page 7 of 11 Date: 31 January 2022

Type Certificate Holder¹ Embraer S.A. Aircraft Type Designation¹ EMB-120RT

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW118

Additional modifications essential to meet the requirements or needed to attain the

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter¹ 3

EASA	Propeller Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Manufacturer ¹		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1071	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,500	11,250	83.5	94.0	81.2	89.0	92.3	98.0	-

None

¹ See Note 1.



Type Certificate Holder¹

Issue: 2

Page 8 of 11 Date: 31 January 2022

Aircraft Type Designation¹ EMB-120RT

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW118A

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

Embraer S.A.

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter¹ 3

EASA	Propeller	Propeller Type	Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Manufacturer ¹	Designation ¹	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1333	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,500	11,250	84.0	94.0	81.3	89.0	92.7	98.0	-

¹ See Note 1.



Issue: 2

Page 9 of 11 Date: 31 January 2022

T D : 11 1 5140 4000T

Type Certificate Holder¹ Embraer S.A. Aircraft Type Designation¹ EMB-120RT

Engine Manufacturer¹ Pratt & Whitney Canada Corp. Engine Type Designation¹ PW118B

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

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Chapter¹ 3

EASA	Propeller Propeller Type		Maximum Mass		Lateral / Full Power EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Manufacturer ¹		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
B1334	Hamilton Sundstrand	14RF-9/RFC11()1-6A	11,500	11,250	84.0	94.0	81.3	89.0	92.7	98.0	-

¹ See Note 1.



TCDSN No.: EASA.IM.A.188 Page 10 of 11

Issue: 2 Date: 31 January 2022

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.



TCDSN No.: EASA.IM.A.188 Page 11 of 11 Issue: 2 Date: 31 January 2022

Change Record

Issue	Date	Changes
01	03 May 2021	Initial Issue
02	31 January 2022	TC Holder Transfer Update

