

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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TCDSN No.: EASA.IM.A.158 Issue: 5					Page 3 of 8 Date: 25 March 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹ (Commercial Designation	EMB-505 Phenom 300)	
Engine Manufacturer ¹	er ¹ Pratt & Whitney Canada, Inc.		Engine Type Designation ¹	PW535E	
Additional modifications est certificated noise levels ¹	sential to meet the requirements o	r needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 4 / Amendment 8	Chapter ¹ 4	
FASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Approach EPNL	See
EASA					See

	Maximu	im Mass	Latera	Lateral EPNL Flyo		r EPNL	Approach EPNL		Saa
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A14221	8,150	7,650	88.8	94.0	69.9	89.0	88.5	98.0	-

¹ See Note 1.



TCDSN No.: EASA.IM.A.1 Issue: 5	58				Page 4 of 8 Date: 25 March 2022
Type Certificate Holde	r ¹ Embraer S.A.		Aircraft Type Designation ¹ (Commercial Designation	EMB-505 Phenom 300)	
Engine Manufacturer ¹	Pratt & Whitney Canada	Pratt & Whitney Canada, Inc.		PW535E	
Additional modificatic certificated noise leve	ns essential to meet the requirem ls^1	ents or needed to attain the	None		
Noise Certification Ba	sis ICAO Annex 16, Volume	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Approach EPNL	See
	- 1 661	1 1			500

	Maximu	im Mass	Latera	TEPNL	Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18891	8,340	7,730	88.7	94.0	70.6	89.0	88.4	98.0	-

¹ See Note 1.



TCDSN No.: EASA.IM.A.15 Issue: 5	8							Da	Page 5 of 8 te: 25 March 2022
Type Certificate Holder	¹ Embrae	Embraer S.A.				Type Designatior prcial Designation	5 1 300)		
Engine Manufacturer ¹	Pratt &	Pratt & Whitney Canada, Inc.				Engine Type Designation ¹ PW535E			
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels 1				SB 505-2	SB 505-27-0011 (REMOVAL OF FLAP FULL LIMITATION)				
Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendme			on / Amendment	Edition !	5 / Amendment	9 Chapter	¹ 4		
FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	6
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note

94.0

94.0

70.6

69.9

89.0

89.0

88.9

88.9

98.0

98.0

-

-

¹ See Note 1.



A18893

A18892

8,340

8,150

7,730

7,650

88.7

88.8

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Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	EMB-505	
Engine Manufacturer ¹	Pratt & Whitney Canada, Inc.	Engine Type Designation ¹	PW535E1	
Additional modifications esso certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

Edition / Amendment

FACA	Maximu	ım Mass	Latera	Lateral EPNL Flyover EPNI		EPNL Approach EPNL		(ee	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19390	8,415	7,835	89.2	94.0	70.6	89.0	88.9	98.0	-

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

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Edition 7 / Amendment 11-B

Chapter¹

4

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

Issue	Date	Changes
lssue 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

