



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.032

for

EMB-145

Type Certificate Holder:

Embraer S.A.

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

For models:

EMB-135BJ	EMB-145EP	EMB-145LR	EMB-145MP
EMB-135ER	EMB-145ER	EMB-145LU	
EMB-135LR	EMB-145EU	EMB-145MK	



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Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135BJ**
(Commercial Designation **Legacy 600)**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1E**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1906	22,500	18,500	86.8	94.0	79.7	89.0	91.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135BJ**
(Commercial Designation **Legacy 600)**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8997	22,200	18,500	85.3	94.0	80.0	89.0	91.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135BJ**
(Commercial Designation **Legacy 650)**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A2**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A15225	24,300	20,000	86.9	94.0	78.0	89.0	91.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/3**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19281	19,600	18,500	84.3	94.0	79.1	89.0	92.3	98.0	-
A19279	19,000	18,500	84.4	94.0	78.6	89.0	92.3	98.0	-
A1905	18,990	18,500	84.4	94.0	78.6	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A3**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19278	19,600	18,500	84.3	94.0	79.1	89.0	92.3	98.0	-
A19276	19,000	18,500	84.4	94.0	78.6	89.0	92.3	98.0	-
A5784	18,990	18,500	84.4	94.0	78.6	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/3**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19280	20,000	18,500	84.3	94.0	79.4	89.0	92.3	98.0	-
A1904	19,990	18,500	84.5	94.0	79.7	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-135LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A3**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19277	20,000	18,500	84.3	94.0	79.4	89.0	92.3	98.0	-
A5783	19,990	18,500	84.5	94.0	79.7	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8919	20,990	18,700	85.0	94.0	80.1	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1910	20,990	18,700	85.0	94.0	80.1	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8993	20,990	18,700	85.0	94.0	80.1	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8964	20,990	18,700	85.0	94.0	80.1	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8970	20,600	18,700	85.1	94.0	79.8	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1912	20,600	18,700	85.1	94.0	79.8	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8971	20,600	18,700	85.1	94.0	79.8	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145ER**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8972	20,600	18,700	85.1	94.0	79.8	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8967	19,990	18,700	85.1	94.0	79.2	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1913	19,990	18,700	85.1	94.0	79.2	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8966	19,990	18,700	85.1	94.0	79.2	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145EU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8965	19,990	18,700	85.1	94.0	79.2	89.0	92.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19682	22,000	19,300	84.9	94.0	81.0	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB 145-53-0065 (MTOW reduction)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A6758	21,450	19,300	85.0	94.0	80.5	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB 145-53-0066**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1908	22,000	19,300	84.9	94.0	81.0	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LR**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB 145-53-0066**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8979	22,000	19,300	84.9	94.0	81.0	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1909	21,990	19,300	84.9	94.0	81.0	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145LU**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8980	21,990	19,300	84.9	94.0	81.0	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MK**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1914	19,990	19,300	85.1	94.0	79.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MK**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8968	19,990	19,300	85.1	94.0	79.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MK**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8969	19,990	19,300	85.1	94.0	79.2	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1911	20,990	19,300	85.0	94.0	80.1	89.0	92.5	98.0	-

¹ See Note 1.

Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1/1**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8977	20,990	19,300	85.0	94.0	80.1	89.0	92.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-145MP**

Engine Manufacturer¹ **Rolls-Royce Corporation** Engine Type Designation¹ **AE 3007A1P**

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 Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8978	20,990	19,300	85.0	94.0	80.1	89.0	92.5	98.0	-

¹ 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.032 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
Issue 1	08 January 2007	Initial Issue
Issue 2	30 April 2007	Revised
Issue 3	20 June 2008	Revised
Issue 4	07 October 2010	Model EC-135 BJ (Legacy 650) added
Issue 5	21 August 2013	EMB-135 ER MTOW revised from 19000 kg to 18990 kg. EMB-135 LR MTOW revised from 20000 kg to 19990 kg.
Issue 6	31 January 2020	Transfer of Type Certificate Holder from "Embraer S.A." to "Yaborã Indústria Aeronáutica S.A."
Issue 7	20 October 2021	Revised
Issue 8	31 January 2022	TC Holder Transfer Update
Issue 9	30 November 2022	Noise levels for records A1905 and A5784 revised
Issue 10	28 November 2023	Lateral and flyover noise level for record A6758 revised

