

**Civil Aviation Authority
United Kingdom**



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.A.00098

for

EMBRAER EMB-145

Type Certificate Holder

EMBRAER S.A.

Av. Brigadeiro Faria Lima. 2170
12227-901 São José dos Campos - SP
Brazil

Model(s) EMB-135ER
EMB-135LR
EMB-135BJ
EMB-145ER
EMB-145EU
EMB-145EP
EMB-145LR
EMB-145LU
EMB-145MP
EMB-145MK

Issue: 1

Date of issue: 15 March 2024

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Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
EMB 135LR	None	19,990	18,500	Rolls-Royce AE3007 A1/3	Annex 16/l Chapter 3	84.5	94.0	79.7	89.0	92.3	98.0	None	A1904
EMB 135LR	None	19,990	18,500	Rolls-Royce AE3007 A3	Annex 16/l Chapter 3	84.5	94.0	79.7	89.0	92.3	98.0	None	A5783
EMB 135ER	None	18,990	18,500	Rolls-Royce AE3007 A1/3	Annex 16/l Chapter 3	84.6	94.0	78.8	89.0	92.3	98.0	None	A1905
EMB 135ER	None	18,990	18,500	Rolls-Royce AE3007 A3	Annex 16/l Chapter 3	84.6	94.0	78.8	89.0	92.3	98.0	None	A5784
EMB 135BJ	None	22,200	18,500	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.3	94.0	80.0	89.0	91.3	98.0	None	A8997
EMB 135BJ	None	22,500	18,500	Rolls-Royce AE3007 A1E	Annex 16/l Chapter 3	86.8	94.0	79.7	89.0	91.3	98.0	None	A1906
EMB 135BJ	None	24,300	20,000	Rolls-Royce AE3007 A2	Annex 16/l Chapter 4	86.9	94.0	78.0	89.0	91.7	98.0	None	A15225
EMB 145LR	SB 145-53-0065 MTOW reduction	21,450	19,300	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.0	94.0	80.5	89.0	92.5	98.0	None	A6758
EMB 145LR	SB 145-53-0066	22,000	19,300	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	84.9	94.0	81.0	89.0	92.5	98.0	None	A1908
EMB 145LR	SB 145-53-0066	22,000	19,300	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	84.9	94.0	81.0	89.0	92.5	98.0	None	A8979
EMB 145EP	None	20,990	18,700	Rolls-Royce AE3007 A	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.6	98.0	None	A8919
EMB 145EP	None	20,990	18,700	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.6	98.0	None	A1910
EMB 145EP	None	20,990	18,700	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.6	98.0	None	A8993
EMB 145EP	None	20,990	18,700	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.6	98.0	None	A8964
EMB 145ER	None	20,600	18,700	Rolls-Royce AE3007 A	Annex 16/l Chapter 3	85.1	94.0	79.8	89.0	92.6	98.0	None	A8970
EMB 145ER	None	20,600	18,700	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.1	94.0	79.8	89.0	92.6	98.0	None	A1912
EMB 145ER	None	20,600	18,700	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	85.1	94.0	79.8	89.0	92.6	98.0	None	A8971

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
EMB 145ER	None	20,600	18,700	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.1	94.0	79.8	89.0	92.6	98.0	None	A8972
EMB 145EU	None	19,990	18,700	Rolls-Royce AE3007 A	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.6	98.0	None	A8967
EMB 145EU	None	19,990	18,700	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.6	98.0	None	A1913
EMB 145EU	None	19,990	18,700	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.6	98.0	None	A8966
EMB 145EU	None	19,990	18,700	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.6	98.0	None	A8965
EMB 145LU	None	21,990	19,300	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	84.9	94.0	81.0	89.0	92.5	98.0	None	A1909
EMB 145LU	None	21,990	19,300	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	84.9	94.0	81.0	89.0	92.5	98.0	None	A8980
EMB 145MP	None	20,990	19,300	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.5	98.0	None	A1911
EMB 145MP	None	20,990	19,300	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.5	98.0	None	A8977
EMB 145MP	None	20,990	19,300	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.0	94.0	80.1	89.0	92.5	98.0	None	A8978
EMB 145MK	None	19,990	19,300	Rolls-Royce AE3007 A1	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.5	98.0	None	A1914
EMB 145MK	None	19,990	19,300	Rolls-Royce AE3007 A1/1	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.5	98.0	None	A8968
EMB 145MK	None	19,990	19,300	Rolls-Royce AE3007 A1P	Annex 16/l Chapter 3	85.1	94.0	79.2	89.0	92.5	98.0	None	A8969

Administration**I. Acronyms and Abbreviations**

Acronym / Abbreviation	Definition
Ed./Amend.	Edition/Amendment
EPNdB	Effective perceived noise decibel
MTOW	Maximum take-off weight
MLW	Maximum landing weight
Regulation Annex 16/I	ICAO Annex 16 Volume I
TCDSN	Type Certificate Data Sheet for Noise

II. Type Certificate Holder Record

TCH Record	Period
EMBRAER S.A. Av. Brigadeiro Faria Lima. 2170 12227-901 São José dos Campos – SP Brazil	Present. No changes.

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	15 March 2024		Issue 1 15 March 2024