



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.001

for

Embraer ERJ 170

Type Certificate Holder:

Embraer S.A.

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

For models:

ERJ 170-100 LR
ERJ 170-100 STD
ERJ 170-200 LR
ERJ 170-200 STD



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Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #1”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18842	38,600	33,300	92.2	94.4	85.3	89.0	94.9	98.3	-
A5125	37,200	32,800	92.3	94.2	84.1	89.0	94.9	98.2	-
A6639	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-
A5128	34,850	32,800	92.4	94.0	81.6	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A19069	37,200	32,800	92.3	94.2	84.1	89.0	93.5	98.2	-
A19075	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-
A19073	34,850	32,800	92.4	94.0	81.6	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #1”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I**

Edition / Amendment

Edition 8 / Amendment 12

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	
A19595	37,200	32,800	92.3	94.2	84.1	89.0	93.5	98.2	-
A19597	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-
A19598	34,850	32,800	92.4	94.0	81.6	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19620	34,000	32,800	92.5	94.0	81.4	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19621	37,200	32,800	92.3	94.2	84.1	89.0	94.9	98.2	-
A19622	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-
A19624	34,850	32,800	92.4	94.0	81.6	89.0	94.9	98.0	-
A19625	34,000	32,800	92.5	94.0	81.4	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Embraer “Engine #2”**

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	
A19128	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #2”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18847	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A3139	37,200	33,300	92.0	94.2	83.2	89.0	94.9	98.2	-
A3133	37,200	32,800	92.0	94.2	83.2	89.0	94.9	98.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

**Embraer “Engine #2”, EMBRAER DWG 171-12124--801 (Flap 6
Inhibitor, Inst)**

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	
A19129	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A18855	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A18850	37,200	33,300	92.0	94.2	83.2	89.0	93.6	98.2	-
A18851	37,200	32,800	92.0	94.2	83.2	89.0	93.6	98.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #2”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** 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	
A19603	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A19605	37,200	33,300	92.0	94.2	83.2	89.0	93.6	98.2	-
A19606	37,200	32,800	92.0	94.2	83.2	89.0	93.6	98.2	-
A19611	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #2”, Embraer DWG 171-15317-001 & P/N 171-12124-801 (Silent Kit & Flap 6 Inhibitor, Inst)

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	
A19131	34,000	32,800	90.8	94.0	79.1	89.0	94.3	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19630	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A19632	37,200	33,300	92.0	94.2	83.2	89.0	94.9	98.2	-
A19633	37,200	32,800	92.0	94.2	83.2	89.0	94.9	98.2	-
A19637	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-15317-001 (SILENT KIT)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	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	
A18885	38,600	33,300	90.4	94.4	83.2	89.0	95.1	98.3	-
A18883	37,200	33,300	90.6	94.2	81.9	89.0	95.1	98.2	-
A18881	37,200	32,800	90.6	94.2	81.9	89.0	95.1	98.2	-
A18875	34,850	32,800	90.7	94.0	79.8	89.0	95.1	98.0	-
A19132	34,000	32,800	90.8	94.0	79.1	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #1”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18844	38,600	33,300	93.1	94.4	84.4	89.0	94.9	98.3	-
A5130	37,200	32,800	93.3	94.2	83.3	89.0	94.9	98.2	-
A6640	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-
A5133	34,850	32,800	93.4	94.0	80.9	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A19070	37,200	32,800	93.3	94.2	83.3	89.0	93.5	98.2	-
A19076	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-
A19074	34,850	32,800	93.4	94.0	80.9	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #1”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I**

Edition / Amendment

Edition 8 / Amendment 12

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	
A19599	37,200	32,800	93.3	94.2	83.3	89.0	93.5	98.2	-
A19601	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-
A19602	34,850	32,800	93.4	94.0	80.9	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19626	37,200	32,800	93.3	94.2	83.3	89.0	94.9	98.2	-
A19627	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-
A19629	34,850	32,800	93.4	94.0	80.9	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #2”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18849	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A3142	37,200	33,300	93.0	94.2	82.5	89.0	94.9	98.2	-
A3136	37,200	32,800	93.0	94.2	82.5	89.0	94.9	98.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A18861	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A18857	37,200	33,300	93.0	94.2	82.5	89.0	93.6	98.2	-
A18858	37,200	32,800	93.0	94.2	82.5	89.0	93.6	98.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #2”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I**

Edition / Amendment

Edition 8 / Amendment 12

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	
A19612	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A19614	37,200	33,300	93.0	94.2	82.5	89.0	93.6	98.2	-
A19615	37,200	32,800	93.0	94.2	82.5	89.0	93.6	98.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19639	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A19641	37,200	33,300	93.0	94.2	82.5	89.0	94.9	98.2	-
A19642	37,200	32,800	93.0	94.2	82.5	89.0	94.9	98.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Embraer “Engine #2”, P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A18887	38,600	33,300	91.8	94.4	82.3	89.0	95.1	98.3	-
A18884	37,200	33,300	91.9	94.2	81.2	89.0	95.1	98.2	-
A18882	37,200	32,800	91.9	94.2	81.2	89.0	95.1	98.2	-
A18876	34,850	32,800	92.2	94.0	79.2	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #1”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18843	38,600	33,300	92.2	94.4	85.3	89.0	94.9	98.3	-
A5124	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A19071	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19596	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19623	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #2”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18846	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A3147	35,990	33,300	92.1	94.1	82.2	89.0	94.9	98.1	-
A3145	35,990	32,800	92.1	94.1	82.2	89.0	94.9	98.1	-
A14219	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A18856	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A18852	35,990	33,300	92.1	94.1	82.2	89.0	93.6	98.1	-
A18853	35,990	32,800	92.1	94.1	82.2	89.0	93.6	98.1	-
A18854	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19604	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A19607	35,990	33,300	92.1	94.1	82.2	89.0	93.6	98.1	-
A19608	35,990	32,800	92.1	94.1	82.2	89.0	93.6	98.1	-
A19609	34,473	32,800	92.2	94.0	81.0	89.0	93.6	98.0	-
A19610	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19631	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A19634	35,990	33,300	92.1	94.1	82.2	89.0	94.9	98.1	-
A19635	35,990	32,800	92.1	94.1	82.2	89.0	94.9	98.1	-
A19636	34,473	32,800	92.2	94.0	81.0	89.0	94.9	98.0	-
A19638	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-15317-001 (SILENT KIT)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	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	
A18886	38,600	33,300	90.4	94.4	83.2	89.0	95.1	98.3	-
A18879	35,990	33,300	90.6	94.1	80.8	89.0	95.1	98.1	-
A18877	35,990	32,800	90.6	94.1	80.8	89.0	95.1	98.1	-
A18873	34,000	32,800	90.8	94.0	79.1	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #1”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18845	38,600	33,300	93.1	94.4	84.4	89.0	94.9	98.3	-
A5129	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A19072	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19600	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #1”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19628	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-100 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Embraer “Engine #2”**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A18848	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A3148	35,990	33,300	93.0	94.1	81.5	89.0	94.9	98.1	-
A14220	34,000	32,800	93.2	94.0	80.1	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7
		Chapter ¹	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	
A18862	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A18859	35,990	33,300	93.0	94.1	81.5	89.0	93.6	98.1	-
A18860	35,990	32,800	93.0	94.1	81.5	89.0	93.6	98.1	-
A18863	34,000	32,800	93.2	94.0	80.1	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-100 STD**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Embraer “Engine #2”, EMBRAER DWG 171-12124--801 and P/N 171-22644-0001 (Flap 6 Inhibitor, Inst and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I**

Edition / Amendment

Edition 8 / Amendment 12

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	
A19613	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A19616	35,990	33,300	93.0	94.1	81.5	89.0	93.6	98.1	-
A19617	35,990	32,800	93.0	94.1	81.5	89.0	93.6	98.1	-
A19618	34,473	32,800	93.2	94.0	80.4	89.0	93.6	98.0	-
A19619	34,000	32,800	93.2	94.0	80.1	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19640	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A19643	35,990	33,300	93.0	94.1	81.5	89.0	94.9	98.1	-
A3146	35,990	32,800	93.0	94.1	81.5	89.0	94.9	98.1	-
A19644	34,473	32,800	93.2	94.0	80.4	89.0	94.9	98.0	-
A19645	34,000	32,800	93.2	94.0	80.1	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-100 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Embraer “Engine #2”, P/N 171-15317-001 (SILENT KIT)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	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	
A18888	38,600	33,300	91.8	94.4	82.3	89.0	95.1	98.3	-
A18880	35,990	33,300	92.0	94.1	80.2	89.0	95.1	98.1	-
A18878	35,990	32,800	92.0	94.1	80.2	89.0	95.1	98.1	-
A18874	34,000	32,800	92.2	94.0	78.5	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Engine #2, ENHANCED WINGTIP**

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	
A19293	40,370	34,100	91.9	94.5	84.6	89.0	94.6	98.5	-
A19287	38,790	34,000	92.0	94.4	83.3	89.0	94.6	98.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (ENHANCED WINGTIP and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19646	40,370	34,100	91.9	94.5	84.6	89.0	94.6	98.5	-
A19648	38,790	34,000	92.0	94.4	83.3	89.0	94.6	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Engine #2, P/N 171-22644-0001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** 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	
A19660	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

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 **Edition 3 / Amendment 7** 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	
A18840	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19670	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A5135	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A18869	40,370	34,100	90.4	94.5	84.7	89.0	95.2	98.5	-
A18867	38,790	34,000	90.5	94.4	83.3	89.0	95.2	98.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 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	
A19320	40,370	34,100	90.4	94.5	83.8	89.0	94.7	98.5	-
A19315	38,790	34,000	90.5	94.4	82.4	89.0	94.7	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A19011	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19013	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Engine #2, ENHANCED WINGTIP**

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	
A19296	40,370	34,100	92.8	94.5	83.7	89.0	94.6	98.5	-
A19289	38,790	34,000	92.9	94.4	82.5	89.0	94.6	98.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (ENHANCED WINGTIP and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19654	40,370	34,100	92.8	94.5	83.7	89.0	94.6	98.5	-
A19656	38,790	34,000	92.9	94.4	82.5	89.0	94.6	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

Engine #2, P/N 171-22644-0001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I**

Edition / Amendment

Edition 8 / Amendment 12

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	
A19666	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

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 **Edition 3 / Amendment 7** 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	
A18838	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19672	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A5138	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A18871	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A18868	38,790	34,000	91.9	94.4	82.5	89.0	95.2	98.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 LR
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 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	
A19323	40,370	34,100	91.8	94.5	83.0	89.0	94.7	98.5	-
A19317	38,790	34,000	91.9	94.4	81.7	89.0	94.7	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 LR**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A19016	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19018	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Engine #2, ENHANCED WINGTIP**

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	
A19294	40,370	34,100	91.9	94.5	84.6	89.0	94.6	98.5	-
A19291	37,500	34,000	92.1	94.3	82.4	89.0	94.6	98.2	-
A19304	36,500	34,000	92.1	94.2	81.6	89.0	94.6	98.1	-
A19299	36,000	34,100	92.2	94.1	81.3	89.0	94.6	98.1	-
A19301	35,740	34,000	92.2	94.1	81.1	89.0	94.6	98.1	-
A19303	35,700	34,000	92.2	94.1	81.0	89.0	94.6	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (ENHANCED WINGTIP and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12 Chapter ¹ 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	
A19647	40,370	34,100	91.9	94.5	84.6	89.0	94.6	98.5	-
A19649	37,500	34,000	92.1	94.3	82.4	89.0	94.6	98.2	-
A19650	36,500	34,000	92.1	94.2	81.6	89.0	94.6	98.1	-
A19651	36,000	34,100	92.2	94.1	81.3	89.0	94.6	98.1	-
A19652	35,740	34,000	92.2	94.1	81.1	89.0	94.6	98.1	-
A19653	35,700	34,000	92.2	94.1	81.0	89.0	94.6	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19661	37,500	34,000	92.1	94.3	83.3	89.0	95.0	98.2	-
A19662	36,500	34,000	92.1	94.2	82.6	89.0	95.0	98.1	-
A19663	36,000	34,000	92.3	94.1	82.1	89.0	95.0	98.1	-
A19664	35,740	34,000	92.2	94.1	82.1	89.0	95.0	98.1	-
A19665	35,700	34,000	92.2	94.1	81.9	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

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 **Edition 3 / Amendment 7** 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	
A18841	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19671	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A5134	37,500	34,000	92.1	94.3	83.3	89.0	95.0	98.2	-
A16720	35,740	34,000	92.2	94.1	82.1	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A18870	40,370	34,100	90.5	94.5	83.3	89.0	95.2	98.5	-
A18837	37,500	34,000	90.6	94.3	82.1	89.0	95.2	98.2	-
A19062	35,998	34,000	90.7	94.1	80.8	89.0	95.2	98.1	-
A18864	35,740	34,000	90.7	94.1	80.6	89.0	95.2	98.1	-
A19059	34,998	34,000	90.8	94.0	79.9	89.0	95.2	98.0	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 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	
A19319	40,370	34,100	90.4	94.5	83.8	89.0	94.7	98.5	-
A19313	37,500	34,000	90.6	94.3	81.3	89.0	94.7	98.2	-
A19326	36,500	34,000	90.7	94.2	80.5	89.0	94.7	98.1	-
A19311	36,000	34,100	90.7	94.1	80.0	89.0	94.7	98.1	-
A19310	35,998	34,000	90.7	94.1	80.0	89.0	94.7	98.1	-
A19308	35,740	34,000	90.7	94.1	79.8	89.0	94.7	98.1	-
A19325	35,700	34,000	90.7	94.1	79.8	89.0	94.7	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9
		Chapter ¹	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	
A19307	34,998	34,000	90.7	94.0	79.8	89.0	94.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

SB170-00-0049 (Reduction of MTOW to 35700 kg)

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	
A19107	35,700	34,000	92.2	94.1	81.9	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

**SB170-00-0049, P/N 171-15317-001 (Reduction of MTOW to 35700
kg, SILENT KIT)**

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	
A19101	35,700	34,000	90.7	94.1	80.5	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

SB170-00-0051 (Reduction of MTOW to 36500 kg)

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	
A19108	36,500	34,000	92.1	94.2	82.6	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.**

Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric**

Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹

**SB170-00-0051, P/N 171-15317-001 (Reduction of MTOW to 36500
kg, SILENT KIT)**

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	
A19102	36,500	34,000	90.7	94.2	81.2	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A19012	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19014	37,500	34,000	92.1	94.3	83.3	89.0	95.0	98.2	-
A19015	35,740	34,000	92.2	94.1	82.1	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

Engine #2, ENHANCED WINGTIP

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹	3
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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	
A19297	40,370	34,100	92.8	94.5	83.7	89.0	94.6	98.5	-
A19292	37,500	34,000	93.0	94.3	81.6	89.0	94.6	98.2	-
A19300	36,000	34,100	93.1	94.1	80.5	89.0	94.6	98.1	-
A19302	35,740	34,000	93.1	94.1	80.4	89.0	94.6	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (ENHANCED WINGTIP and recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19655	40,370	34,100	92.8	94.5	83.7	89.0	94.6	98.5	-
A19657	37,500	34,000	93.0	94.3	81.6	89.0	94.6	98.2	-
A19658	36,000	34,100	93.1	94.1	80.5	89.0	94.6	98.1	-
A19659	35,740	34,000	93.1	94.1	80.4	89.0	94.6	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		Engine #2, P/N 171-22644-0001 (Recertification Chapter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12
		Chapter ¹	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	
A19667	37,500	34,000	93.0	94.3	82.5	89.0	95.0	98.2	-
A19668	36,000	34,000	93.2	94.1	81.5	89.0	95.0	98.1	-
A19669	35,740	34,000	93.1	94.1	81.3	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		None	

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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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	
A18839	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19673	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A5137	37,500	34,000	93.0	94.3	82.5	89.0	95.0	98.2	-
A16721	35,740	34,000	93.1	94.1	81.3	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A18872	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A18866	37,500	34,000	92.0	94.3	81.4	89.0	95.2	98.2	-
A18865	35,740	34,000	92.1	94.1	79.9	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 170-200 STD
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5A1
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹		P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 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	
A19322	40,370	34,100	91.8	94.5	83.0	89.0	94.7	98.5	-
A19314	37,500	34,000	92.0	94.3	80.6	89.0	94.7	98.2	-
A19312	36,000	34,100	92.1	94.1	79.4	89.0	94.7	98.1	-
A19309	35,740	34,000	92.2	94.1	79.2	89.0	94.7	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 170-200 STD**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A19017	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19019	37,500	34,000	93.0	94.3	82.5	89.0	95.0	98.2	-
A19020	35,740	34,000	93.1	94.1	81.3	89.0	95.0	98.1	-

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.001 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	20 March 2007	Initial Issue
Issue 2	22 August 2007	Revised
Issue 3	04 December 2007	Revised
Issue 4	08 January 2013	Addition of flaps 6 inhibitor installation and silent kit modifications
Issue 5	07 March 2013	Various typos corrections.
Issue 6	17 September 2013	Revised
Issue 7	28 November 2014	Added 34998 kg and 35998 kg MTOW weight variants to ERJ 170-200 with CF34-8E5 and Silent Kit. Added Enhanced Wingtip to ERJ 170-200.
Issue 8	30 January 2015	Records A19059 and A19060 revised.
Issue 9	15 September 2015	Revised. Added flap 6 inhibitor for engine #1
Issue 10	13 January 2016	Added SB170-00-0049 & SB190-00-0051 MTOW reduction
Issue 11	28 July 2016	Added DCA 0170-000-00009-2016 reduced MTOW
Issue 12	31 January 2020	Transfer of Type Certificate Holder from “Embraer S.A.” to “Yaborã Indústria Aeronáutica S.A.”
Issue 13	30 June 2020	Not published
Issue 14	10 November 2020	Not published
Issue 15	08 June 2021	Harmonized type designations with TCDS, added records for Chapter 4 recertification
Issue 16	31 January 2022	TC Holder transfer Update

