

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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TCDSN No.: EASA.IM.A.001 Issue: 16				Page 3 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #1"		

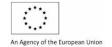
	Maximu	um Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	
EASA Record No. (kg)		Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18842	38,600	33,300	92.2	94.4	85.3	89.0	94.9	98.3	-
A5125	37,200	32,800	92.3	94.2	84.1	89.0	94.9	98.2	-
A6639	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-
A5128	34,850	32,800	92.4	94.0	81.6	89.0	94.9	98.0	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 4 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or no	Embraer "Engine #1", EMBRAER DWG 171-12124801 (Flap 6 Inhibitor, Inst)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	5 00
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 5 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	Embraer "Engine #1", EMBRAER DWG 171-12124801 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	L

EASA	Maximu	um Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Date	Page 6 of 77 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	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	

Maximum Mass	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Coo	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19620	34,000	32,800	92.5	94.0	81.4	89.0	93.5	98.0	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 7 of 77 Date: 31 January 2022	
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 Maximum Mas	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		<u>faa</u>	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Page 8 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2"	

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	
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Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Take-off¹ Landing¹ Record No. Note Level¹ Limit Level¹ Limit Level¹ Limit (kg) (kg) A19128 34,000 32,800 92.3 94.0 80.7 89.0 94.9 98.0 -

¹ See Note 1.



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Chapter¹

3

TCDSN No.: EASA.IM.A.001 Issue: 16				Page 9 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2"		

FACA	Maximu	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		(a a
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 10 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", EMBRA Inhibitor, Inst)	ER DWG 171-12124	801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	3

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Soo
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19129	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 11 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or no	eeded to attain the	Embraer "Engine #2", EMBRA Inhibitor, Inst)	ER DWG 171-12124	I801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		5 00
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 12 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	Embraer "Engine #2", EMBRA 22644-0001 (Flap 6 Inhibitor, I		-
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	L

FASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		5 00
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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TCDSN No.: EASA.IM.A.001 Issue: 16					Page 13 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	Embraer "Engine #2", Embrae 12124-801 (Silent Kit & Flap 6		01 & P/N 171-
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 3	i de la companya de l

FACA	Maximu	ım Mass	Lateral EPNL Flyover EPNL		r EPNL	Approach EPNL		Sec.	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19131	34,000	32,800	90.8	94.0	79.1	89.0	94.3	98.0	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 14 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", P/N 17 4)	1-22644-0001 (Recertification Chapter
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4

FACA	Maximu	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		<u>faa</u>
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Page 15 of 77 Date: 31 January 2022
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 esso certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2", P/N 171	L-15317-001 (SILENT KIT)

Edition 5 / Amendment 9

Chapter¹

4

	Maximu	um Mass	Latera	Lateral EPNL		er EPNL	Approach EPNL		Coo
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16				Page 16 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #1"		

Record NO.	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		600	
	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note	
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 17 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	Embraer "Engine #1", EMBRA Inhibitor, Inst)	ER DWG 171-1212	4801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		5 00
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 18 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	Embraer "Engine #1", EMBRA 22644-0001 (Flap 6 Inhibitor,		-
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	L

	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 19 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #1", P/N 17 4)	1-22644-0001 (Recer	rtification Chapter
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 20 of 77 Date: 31 January 2022
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 esso certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2"		

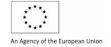
FACA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18849	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A3142	37,200	33,300	93.0	94.2	82.5	89.0	94.9	98.2	-
A3136	37,200	32,800	93.0	94.2	82.5	89.0	94.9	98.2	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 21 of 77 Date: 31 January 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-100 LR	R
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5A1	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", EMBRA Inhibitor, Inst)	ER DWG 171-1212	24801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

EASA Maximum Mass	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 22 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	Embraer "Engine #2", EMBRA 22644-0001 (Flap 6 Inhibitor,		-
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	L

EASA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 23 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", P/N 17 4)	1-22644-0001 (Rece	rtification Chapter
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	

EASA Maximum	n Mass Lateral EPNL		Flyover EPNL		Approach EPNL		500		
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 24 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", P/N 17:	1-15317-001 (SILEN	г кіт)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	L

FACA	Maximum Mass		Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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TCDSN No.: EASA.IM.A.001 Issue: 16					Page 25 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	Embraer "Engine #1"		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		(a a
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



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TCDSN No.: EASA.IM.A.001 Issue: 16					Page 26 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	Embraer "Engine #1", EMBRA Inhibitor, Inst)	ER DWG 171-12124	801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

FACA	Maximum Mass		Lateral EPNL		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
A19071	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 27 of 77 Date: 31 January 2022	
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 esse certificated noise levels ¹	ential to meet the requirements or	Embraer "Engine #1", EMBRAER DWG 171-12124801 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	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		. Caa
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19596	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 28 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	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	

FACA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19623	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 29 of 77 Date: 31 January 2022
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 esso certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2"		

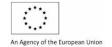
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-	Maximu	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		6
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A18846	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A3147	35,990	33,300	92.1	94.1	82.2	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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 30 of 77 Date: 31 January 2022	
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 esse certificated noise levels ¹	ential to meet the requirements or r	Embraer "Engine #2", EMBRAER DWG 171-12124801 (Flap 6 Inhibitor, Inst)				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3	

FACA	Maximu	um Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	(a c
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Page 31 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	• ·	ER DWG 171-12124801 and P/N 171- Inst and recertification Chapter 4)

Chapter¹

4

See

Note

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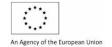
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Maximum Mass Lateral EPNL Flyover EPNL Approach EPNL EASA Take-off¹ Landing¹ Record No. Level¹ Limit Level¹ Limit Level¹ Limit (kg) (kg) A19604 38,600 33,300 91.9 94.4 84.3 89.0 93.6 98.3 82.2 89.0 A19607 35,990 33,300 92.1 94.1 93.6 98.1 35,990 32,800 A19608 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 92.3 94.0 80.7 89.0 98.0 A19610 34,000 32,800 93.6

Edition / Amendment

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 32 of 77 Date: 31 January 2022	
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 esse certificated noise levels ¹	ential to meet the requirements or	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		

	um Mass	Mass Lateral EPNL		Flyover EPNL		Approach EPNL		C a a	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Page 33 of 77 Date: 31 January 2022		
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2", P/N 171-15317-001 (SILENT KIT)			

Edition 5 / Amendment 9

Chapter¹

4

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 34 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or n	eeded to attain the	Embraer "Engine #1"		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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TCDSN No.: EASA.IM.A.001 Issue: 16					Page 35 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or no	eeded to attain the	Embraer "Engine #1", EMBRA Inhibitor, Inst)	ER DWG 171-12124-	801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

EASA Record No.	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		(ee
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19072	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 36 of 77 Date: 31 January 2022	
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-100 STE)	
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5A1		
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	•	oraer "Engine #1", EMBRAER DWG 171-12124801 and 44-0001 (Flap 6 Inhibitor, Inst and recertification Chapt		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4	

EASA Record No.	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		Soc
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19600	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 37 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #1", P/N 17 4)	1-22644-0001 (Recertification Chapter
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Soo
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19628	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Da	Page 38 of 77 Ite: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Embraer "Engine #2"		

	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 39 of 77 Date: 31 January 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-100 ST	ſD
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5A1	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	Embraer "Engine #2", EMBRA Inhibitor, Inst)	ER DWG 171-121	24801 (Flap 6
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3

	Maximu	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16			Page 40 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	-	ER DWG 171-12124801 and P/N 171- Inst and recertification Chapter 4)

Edition 8 / Amendment 12

Chapter¹

4

	Maxim	um Mass	ım Mass Lateral E		EPNL Flyover EPNL		Approach EPNL		<u>faa</u>
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 41 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", P/N 17 4)	1-22644-0001 (Recer	tification Chapter
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	

FACA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 42 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	Embraer "Engine #2", P/N 17	1-15317-001 (SILENT	КІТ)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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TCDSN No.: EASA.IM.A.001 Issue: 16				Page 43 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Engine #2, ENHANCED WINGT	IP	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		(a c
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

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Chapter¹

3

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 44 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	Engine #2, P/N 171-22644-000 recertification Chapter 4)	D1 (ENHANCED WIN	IGTIP and
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	L

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		(a c
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 45 of 77 Date: 31 January 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-200 L	R
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	Engine #2, P/N 171-22644-00	01 (Recertificatio	on Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4

FACA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Sec.	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19660	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 46 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

FACA	Maximum Mass		Lateral EPNL		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
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 47 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	P/N 171-15317-001 (SILENT K	іт)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	

Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		(a c	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 48 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	P/N 171-15317-001, SB170-57 WINGTIP)	7-0058 (SILENT KIT, E	NHANCED
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 4	

Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		<u>f</u> aa		
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 49 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	SB170-57-0058 (ENHANCED V	VINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		<u>f</u> aa
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 50 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or n	needed to attain the	Engine #2, ENHANCED WINGT	Ρ	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 3	

FACA	Maximu	ım Mass	Latera	Lateral EPNL Flyc		r EPNL	Approach EPNL		(a c
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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TCDSN No.: EASA.IM.A.001 Issue: 16					Page 51 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or no	eeded to attain the	Engine #2, P/N 171-22644-000 recertification Chapter 4)	D1 (ENHANCED WI	NGTIP and
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4

FASA	Maximu	ım Mass	Lateral EPNL		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
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 52 of 77 Date: 31 January 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-200 I	R
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5A1	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	Engine #2, P/N 171-22644-00	01 (Recertification	on Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4

EASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A19666	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 53 of 77 Date: 31 January 2022
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 esso certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

EASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 54 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	P/N 171-15317-001 (SILENT K	іт)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		(a a
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 55 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	P/N 171-15317-001, SB170-57 WINGTIP)	7-0058 (SILENT KIT, E	NHANCED
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 4	

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 56 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	SB170-57-0058 (ENHANCED V	VINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

5454	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		(ac
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 57 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	Engine #2, ENHANCED WINGT	IP	

Noise Certification Basis ICAO Annex 16, Volume I Edition / An

Edition / Amendment

Chapter¹ 3

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 58 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or ne	eded to attain the	Engine #2, P/N 171-22644-000 recertification Chapter 4)	D1 (ENHANCED WIN	IGTIP and
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹ 4	

EASA	Maxim	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No. Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note	
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.



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TCDSN No.: EASA.IM.A.001 Issue: 16			Page 59 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Engine #2, P/N 171-22644-00	01 (Recertification Chapter 4)

Edition 8 / Amendment 12

Chapter¹

4

5464	Maximu	um Mass	Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16				Page 60 of 77 Date: 31 January 2022
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 essected certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16				Page 61 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	P/N 171-15317-001 (SILENT KI	Т)	

	EASA Maximum Mass	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 5 / Amendment 9

Chapter¹

4

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16			Page 62 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ntial to meet the requirements or needed to attain the	P/N 171-15317-001, SB170-57 WINGTIP)	-0058 (SILENT KIT, ENHANCED

	Maximum Mass		Latera	I EPNL	Flyover EPNL		Approach EPNL		See
EASA Record No.	Record No.Take-off1Landing1(kg)(kg)	•	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
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.



Noise Certification Basis

ICAO Annex 16, Volume I

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Chapter¹

4

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 63 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	P/N 171-15317-001, SB170-57 WINGTIP)	2-0058 (SILENT KIT, E	NHANCED
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	

EASA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Sec.	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19307	34,998	34,000	90.7	94.0	79.8	89.0	94.7	98.0	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 64 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	SB170-00-0049 (Reduction of	MTOW to 35700 kg)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 3	

EASA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A19107	35,700	34,000	92.2	94.1	81.9	89.0	95.0	98.1	-



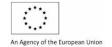
TCDSN No.: EASA.IM.A.001 Issue: 16					Page 65 of 77 Date: 31 January 2022
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-200 STD	
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	SB170-00-0049, P/N 171-1531 kg, SILENT KIT)	17-001 (Reduction of	f MTOW to 35700
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 4	L

FACA	Maximu	ım Mass	Lateral EPNL Flyover EPNL		Approach EPNL		5 00		
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19101	35,700	34,000	90.7	94.1	80.5	89.0	95.2	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 66 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or i	needed to attain the	SB170-00-0051 (Reduction of	MTOW to 36500 kg)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 3	

EASA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
A19108	36,500	34,000	92.1	94.2	82.6	89.0	95.0	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 67 of 77 Date: 31 January 2022	
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			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		Chapter ¹ 4	L	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		. See
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
A19102	36,500	34,000	90.7	94.2	81.2	89.0	95.2	98.1	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 68 of 77 Date: 31 January 2022
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			SB170-57-0058 (ENHANCED WINGTIP)		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

-	Maximu	ım Mass	Lateral EPNL		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
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 69 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or needed to attain the	Engine #2, ENHANCED WINGT	IP	

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment
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EASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Soo
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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Chapter¹

3

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 70 of 77 Date: 31 January 2022	
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 esse certificated noise levels ¹	ential to meet the requirements or n	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	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		(a c
Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 71 of 77 Date: 31 January 2022	
Type Certificate Holder ¹	Embraer S.A.		Aircraft Type Designation ¹	ERJ 170-200 S	STD	
Engine Manufacturer ¹	General Electric		Engine Type Designation ¹	CF34-8E5A1		
Additional modifications esse 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	

	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		5 00
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16				Page 72 of 77 Date: 31 January 2022
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 essected certificated noise levels ¹	ential to meet the requirements or needed to attain the	None		

	Maximu	um Mass	Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-

Edition 3 / Amendment 7

Chapter¹

3

¹ See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TCDSN No.: EASA.IM.A.001 Issue: 16					Page 73 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	P/N 171-15317-001 (SILENT K	ІТ)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 5 / Amendment 9	Chapter ¹ 4	

FASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Car
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 74 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	P/N 171-15317-001, SB170-57 WINGTIP)	7-0058 (SILENT KIT, E	NHANCED
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹ 4	

FASA	Maximu	ım Mass	Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



TCDSN No.: EASA.IM.A.001 Issue: 16					Page 75 of 77 Date: 31 January 2022
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 esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	SB170-57-0058 (ENHANCED V	VINGTIP)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹ 3	

E A S A	Maximu	ım Mass	Latera	Lateral EPNL Flyover EP		r EPNL	EPNL Approach EPNL		5 00	
EASA Record No.	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note	
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	-	



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
lssue 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
lssue 5	07 March 2013	Various typos corrections.
lssue 6	17 September 2013	Revised
lssue 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
lssue 11	28 July 2016	Added DCA 0170-000-00009-2016 reduced MTOW
lssue 12	31 January 2020	Transfer of Type Certificate Holder from "Embraer S.A." to "Yabora
		Indústria Aeronáutica S.A."
lssue 13	30 June 2020	Not published
lssue 14	10 November 2020	Not published
lssue 15	08 June 2021	Harmonized type designations with TCDS, added records for Chapter 4
		recertification
lssue 16	31 January 2022	TC Holder transfer Update

