Page 1 of 201 Date: 03 July 2025



## TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.071

for

ERJ 190

## Type Certificate Holder: Embraer S.A. Av. Brig. Faria Lima. 2170

12227-901 São Jose dos Campos SP Brazil

For models:

ERJ 190-100 STD

ERJ 190-100 ECJERJ 190-200 IGWERJ 190-300ERJ 190-100 IGWERJ 190-200 LRERJ 190-400ERJ 190-100 LRERJ 190-200 STDERJ 190-100 SR



INTENTIONALLY LEFT BLANK



TCDSN No.: EASA.IM.A.071 Issue: 23

Type Certificate Holder<sup>1</sup> Embraer S.A.

certificated noise levels<sup>1</sup>

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A13629	54,500	45,800	92.7	95.6	86.4	89.7	92.5	99.5	-

An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

## Page 3 of 201 Date: 03 July 2025



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 4 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	P/N 341-3501-501 and P/N and recertification Chapte		-001 (Low Loss Che	vron nozzle
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19398	50,000	43,000	91.9	95.3	85.9	89.2	92.8	99.2	2



TCDSN No.: EASA.IM.A.071 Issue: 23					Page 5 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW
Engine TC Holder	General Electric Company		Engine Type Design	nation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevron nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1184	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 6 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5	
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels $^{1}$		P/N 341-3501-501 or P/N loss chevron nozzle and r		-	644-001 (Low	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19532	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 7 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 chevron nozzle (IACN))	or P/N 341-	3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8507	51,800	44,000	91.4	95.5	85.8	89.4	92.5	99.3	3
A18911	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	3



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 8 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 IGW
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5 G07
Additional modifications esser certificated noise levels <sup>1</sup>	itial to meet the requirements or needed to attain the	Block 2, P/N 341-3001-501 or P/N 34 001 (Improved acoustic chevron nozz and recertification Chapter 4)	

Edition 8 / Amendment 12

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Sec.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19512	51,800	44,000	91.4	95.5	85.8	89.4	91.8	99.3	2
A19487	50,000	44,000	91.4	95.3	84.8	89.2	91.8	99.2	2
A19483	47,790	44,000	91.6	95.2	83.4	89.0	91.8	99.0	2

Edition / Amendment

<sup>1</sup> See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter<sup>1</sup>

4

TCDSN No.: EASA.IM.A.071 Issue: 23					Page 9 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designat	ion <sup>1</sup>	ERJ 190-100 IGW
Engine TC Holder	General Electric Company		Engine Type Designati	on <sup>1</sup>	CF34-10E5 G07
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 o 001 (Improved acoustic chev Chapter 4)	-	3001-503 and P/N 171-22644- e (IACN) and recertification
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19460	51,800	44,000	91.4	95.5	85.8	89.4	92.5	99.3	2
A19521	50,000	44,000	91.4	95.3	84.8	89.2	92.5	99.2	2
A19465	47,790	44,000	91.6	95.2	83.4	89.0	92.5	99.0	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 10 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation1	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1	
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1187	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 11 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	644-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FASA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19536	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 12 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 chevron nozzle (IACN))	L or P/N 341	-3001-503 (Improve	d acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

5454	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8511	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 13 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	gnation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1 G07	,
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle	•	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19511	51,800	44,000	92.6	95.5	84.5	89.4	91.8	99.3	2
A19491	46,000	44,000	92.8	95.0	81.5	89.0	91.8	98.9	2



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23					Page 14 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 IGW
Engine TC Holder	General Electric Company		Engine Type Designa	ition <sup>1</sup>	CF34-10E5A1 G07
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>					-3001-503 and P/N 171-22644- e (IACN) and recertification
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19468	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	2
A19471	46,000	43,000	92.8	95.0	81.5	89.0	92.5	98.9	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 15 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1190	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 16 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	,
Engine TC Holder	General Electric Company		Engine Type Design	nation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		Coo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19539	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 17 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	ERJ 190-100 IGW		
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL Flyove		r EPNL	Approach EPNL		See.	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8514	51,800	44,000	91.4	95.5	85.7	89.4	92.5	99.3	3



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European} \ {\sf Union} \ {\sf Aviation} \ {\sf Safety} \ {\sf Agency}, \ 2025. \ {\sf All} \ rights \ reserved. \ {\sf ISO9001} \ {\sf Certified}. \\ {\sf Proprietary} \ {\sf document}. \ {\sf Copies} \ {\sf are} \ {\sf not} \ {\sf controlled}. \ {\sf Confirm} \ {\sf revision} \ {\sf status} \ {\sf through} \ {\sf the} \ {\sf EASA-Internet/Intranet}. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 18 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

	Maximum Mass		Latera	Lateral EPNL Flye		r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19510	51,800	44,000	91.4	95.5	85.7	89.4	91.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 19 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6 G07	
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>			Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

	Maximum Mass		Lateral EPNL		Flyove	r EPNL	Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19513	51,800	44,000	91.4	95.5	85.7	89.4	92.5	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 20 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements	or needed to attain the	P/N 341-3501-501 and P/N and recertification Chapte		-001 (Low Loss Che	vron nozzle
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximu	ım Mass	Lateral EPNL Flyover EPNL Approac		ch EPNL	See.			
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19458	50,000	43,000	93.2	95.3	85.0	89.2	92.8	99.2	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 21 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6A1	
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-503	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1193	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 22 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	ERJ 190-100 IGW	,	
Engine TC Holder	General Electric Company	Engine Type Desig				
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

	EASA Record No. T	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19543	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 23 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6A1 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 chevron nozzle (IACN))	L or P/N 341	-3001-503 (Improve	d acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

ſ		Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A8517	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 24 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1 G07	,
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19509	51,800	44,000	92.6	95.5	84.5	89.4	91.8	99.3	2
A19488	50,000	44,000	92.6	95.3	83.6	89.2	91.8	99.2	2



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23					Page 25 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 IGW
Engine TC Holder	General Electric Company		Engine Type Designa	CF34-10E6A1 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the			3001-503 and P/N 171-22644- e (IACN) and recertification
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4

FACA	EASA Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19518	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	2
A19520	50,000	44,000	92.6	95.3	83.6	89.2	92.5	99.2	2



TCDSN No.: EASA.IM.A.071 Issue: 23					Page 26 of 2 Date: 03 July 20	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	CF34-10E7		
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevron nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	num Mass Latera		l EPNL Flyover		r EPNL Approa		ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5645	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	3



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 27 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	ERJ 190-100 IGW		
Engine TC Holder	General Electric Company		Engine Type Desig			
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

Maximum N		ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19547	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 28 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8521	51,800	44,000	92.6	95.5	84.6	89.4	92.5	99.3	3



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European} \ {\sf Union} \ {\sf Aviation} \ {\sf Safety} \ {\sf Agency}, \ 2025. \ {\sf All} \ rights \ reserved. \ {\sf ISO9001} \ {\sf Certified}. \\ {\sf Proprietary} \ {\sf document}. \ {\sf Copies} \ {\sf are} \ {\sf not} \ {\sf controlled}. \ {\sf Confirm} \ {\sf revision} \ {\sf status} \ {\sf through} \ {\sf the} \ {\sf EASA-Internet/Intranet}. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 29 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

	EASA Record No.	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19508	51,800	44,000	92.6	95.5	84.6	89.4	91.8	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 30 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 IGW	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E7 G07	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	PNL Flyover EPNL Approa		ch EPNL	500	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19525	51,800	44,000	92.6	95.5	84.6	89.4	92.5	99.3	2



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 31 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	ERJ 190-100 LR		
Engine TC Holder	General Electric Company		Engine Type Desigr	nation1	CF34-10E2A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	)3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5304	50,300	43,000	91.5	95.4	86.0	89.3	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 32 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E2A1	
Additional modifications essent certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N 3	841-3501-50	3 (Low loss chevror	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5647	50,300	43,000	91.6	95.4	86.4	89.3	92.7	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 33 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designation	on <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company	Engine Type Designatio				
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N 341 nozzle (IACN))	-3001-503	3 (Improved acous	tic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		<b>5</b> 00
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5289	50,300	43,000	91.8	95.4	85.6	89.3	92.4	99.2	-
A5648	50,000	43,000	91.8	95.3	85.5	89.2	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 34 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 and P/N and recertification Chapte		-001 (Low Loss Ch	evron nozzle
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	( ee
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19457	50,000	43,000	91.9	95.3	85.9	89.2	92.7	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 35 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> ERJ 190-100 L	R
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup> CF34-10E5	
Additional modifications essended certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 341-3501-501 or P/N 341-3501-503 (Low loss che	vron nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>	

FASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1183	50,300	43,000	91.9	95.4	86.1	89.3	92.7	99.2	-
A10637	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 36 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designatic	on <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designatio	n1	CF34-10E5	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N 341 loss chevron nozzle and recer		-	644-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approach EPNL		( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19533	50,300	43,000	91.9	95.4	86.1	89.3	92.7	99.2	4
A19534	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	4


TCDSN No.: EASA.IM.A.071 Issue: 23						Page 37 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

Maximum M	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		( a c	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8506	50,300	43,000	91.4	95.4	84.9	89.3	92.5	99.2	-
A8508	50,000	43,000	91.4	95.3	84.8	89.2	92.5	99.2	-
A18909	49,990	43,000	91.4	95.3	84.7	89.2	92.5	99.2	-
A10638	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

<sup>1</sup> See Note 1.

\*\*\*\* An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 38 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi	gnation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN), N			ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Sec.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A18910	44,900	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 39 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 LR
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5 G07
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 2, P/N 341-3001-501 or P/N 34 001 (Improved acoustic chevron noz and recertification Chapter 4)	-

Edition 8 / Amendment 12

Edition / Amendment

ICAO Annex 16, Volume I

Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Take-off<sup>1</sup> Landing Record No. Note Level<sup>1</sup> Level<sup>1</sup> Level<sup>1</sup> Limit Limit Limit (kg) (kg) A19507 43,000 95.4 84.9 89.3 99.2 50,300 91.4 91.8 4 A19503 50,000 43,000 91.4 95.3 84.8 89.2 91.8 99.2 4 A19485 49,990 43,000 91.4 95.3 84.7 89.2 91.8 99.2 4 A19496 47,790 43,000 91.6 95.2 83.4 89.0 91.8 99.0 4 A19475 46,000 43,000 91.6 95.0 82.4 89.0 91.8 98.9 4 45,000 43,000 A19478 91.7 94.9 81.9 89.0 91.8 98.8 4 A19484 44,900 94.9 89.0 91.8 43,000 91.4 81.7 98.8 4 A19480 44,600 43,000 91.7 94.9 81.7 89.0 91.8 98.8 4 44,000 A19482 43,000 91.7 94.9 81.3 89.0 91.8 98.8 4

<sup>1</sup> See Note 1.



Noise Certification Basis

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter<sup>1</sup>

4

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 40 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic ch Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>5</b> 00
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19461	50,300	43,000	91.4	95.4	84.9	89.3	92.5	99.2	4
A19462	50,000	43,000	91.4	95.3	84.8	89.2	92.5	99.2	4
A19464	49,990	43,000	91.4	95.3	84.7	89.2	92.5	99.2	4
A19466	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 41 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19531	44,900	43,000	91.7	94.9	81.7	89.0	92.5	98.8	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 42 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desigr	lation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB 190-00-0058, (Reduction of MTOW to 4 (IACN))	-	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19106	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 43 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB 190-00-0060,I (Reduction of MTOW to 4 (IACN))	-	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19105	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 44 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	lation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, SB 190-00-0062, (Reduction of MTOW to 4 (IACN))	•	•	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL F		Flyove	Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19104	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 45 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desigr	ation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, SB 190-00-0064, (Reduction of MTOW to 4 (IACN))	-	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyove	r EPNL	Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19103	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 46 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 LR
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5 G07
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	Block 2, SB190-00-0056, P/N 341-30 P/N 171-22644-001 (Reduction of M acoustic chevron nozzle (IACN) and F	TOW to 46000 kg, Improved

Edition 8 / Amendment 12

Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Take-off<sup>1</sup> Landing Record No. Note Level<sup>1</sup> Level<sup>1</sup> Level<sup>1</sup> Limit Limit Limit (kg) (kg) A19557 46,000 43,000 91.6 95.0 82.4 89.0 92.5 98.9 4 A19555 45,000 43,000 91.7 94.9 81.9 89.0 92.5 98.8 4 A19553 92.5 44,600 43,000 91.7 94.9 81.7 89.0 98.8 4 A19551 44,000 43,000 91.7 94.9 81.3 89.0 92.5 98.8 4

Edition / Amendment



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter<sup>1</sup>

4

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 47 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5292	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 48 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	on nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1186	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	-
A10639	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 49 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	644-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19537	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 50 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designat	tion <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designat	ion <sup>1</sup>	CF34-10E5A1 G0	17
Additional modifications essent certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 o chevron nozzle (IACN))	or P/N 341-	3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>5</b> 00
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8510	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A10640	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 51 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1 G0	7
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	( a a
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19505	50,300	43,000	92.6	95.4	83.6	89.3	91.8	99.2	4
A19495	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23					Page 52 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the		-	-3001-503 and P/N 171-22644- e (IACN) and recertification	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19469	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	4
A19470	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 53 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	nation1	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	)3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5295	50,300	43,000	91.8	95.4	85.6	89.3	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 54 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	on nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1189	50,300	43,000	92.0	95.4	86.0	89.3	92.7	99.2	-
A10641	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 55 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designa	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	tion <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N 34 loss chevron nozzle and rec			644-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	(ac
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19540	50,300	43,000	92.0	95.4	86.0	89.3	92.7	99.2	4
A19541	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 56 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 chevron nozzle (IACN))	. or P/N 341-	-3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8513	50,300	43,000	91.5	95.4	84.8	89.3	92.5	99.2	-
A10642	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 57 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic ch and recertification Chapte	evron nozzle	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	(ac
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19504	50,300	43,000	91.5	95.4	84.8	89.3	91.8	99.2	4
A19494	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	4



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 58 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19515	50,300	43,000	91.5	95.4	84.8	89.3	92.5	99.2	4
A19516	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 59 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designa	ition <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	tion <sup>1</sup>	CF34-10E6A1	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N 34 nozzle (IACN))	41-3001-503	3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5298	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-
A5649	50,000	43,000	92.9	95.3	84.5	89.2	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 60 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	lation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements c	or needed to attain the	P/N 341-3501-501 and P/N and recertification Chapte		-001 (Low Loss Ch	evron nozzle
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19459	50,000	43,000	93.2	95.3	85.0	89.2	92.7	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 61 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desigr	lation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	um Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1192	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	-
A10643	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 62 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designatic	on <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designatio	n¹	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N 341- loss chevron nozzle and recert		-	644-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	um Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19544	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	4
A19545	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 63 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6A1 G0	7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341	-3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Soo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8516	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A8518	50,000	43,000	92.6	95.3	83.6	89.2	92.5	99.2	-
A10644	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 64 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1 G07	,
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	<u>f</u> aa
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19502	50,000	43,000	92.6	95.3	83.6	89.2	91.8	99.2	4
A19493	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 65 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6A1 G0	7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19519	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	4
A19522	50,000	43,000	92.6	95.3	83.6	89.2	92.5	99.2	4
A19523	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 66 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation1	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	)3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5301	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 67 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E7	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	93 (Low loss chevro	on nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5644	50,300	43,000	93.2	95.4	85.1	89.3	92.7	99.2	-
A10645	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 68 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designati	ion <sup>1</sup>	ERJ 190-100 LR		
Engine TC Holder	General Electric Company		Engine Type Designation	on¹	CF34-10E7		
Additional modifications essent certificated noise levels <sup>1</sup>	ntial to meet the requirements	s or needed to attain the	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 loss chevron nozzle and recertification Chapter 4)				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4		

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19548	50,300	43,000	93.2	95.4	85.1	89.3	92.7	99.2	4
A19549	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 69 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirements	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8520	50,300	43,000	92.6	95.4	83.7	89.3	92.5	99.2	-
A10646	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 70 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19492	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 71 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 LR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic che Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19526	50,300	43,000	92.6	95.4	83.7	89.3	92.5	99.2	4
A19527	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 72 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 SR		
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1 G07		
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ved acoustic	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3		

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A13627	45,990	43,000	93.0	95.0	81.4	89.0	92.5	98.9	-



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European} \ {\sf Union} \ {\sf Aviation} \ {\sf Safety} \ {\sf Agency}, \ 2025. \ {\sf All} \ rights \ reserved. \ {\sf ISO9001} \ {\sf Certified}. \\ {\sf Proprietary} \ {\sf document}. \ {\sf Copies} \ {\sf are} \ {\sf not} \ {\sf controlled}. \ {\sf Confirm} \ {\sf revision} \ {\sf status} \ {\sf through} \ {\sf the} \ {\sf EASA-Internet/Intranet}. \\ \end{array}$
TCDSN No.: EASA.IM.A.071 Issue: 23			Page 73 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 SR
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5A1 G07
Additional modifications esser certificated noise levels <sup>1</sup>	itial to meet the requirements or needed to attain the	Block 2, P/N 341-3001-501 or P/N 34 001 (Improved acoustic chevron nozz and recertification Chapter 4)	

Edition 8 / Amendment 12

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>5</b> 00
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19506	50,300	43,000	92.6	95.4	83.6	89.3	91.8	99.2	4
A19476	49,990	43,000	92.6	95.3	83.6	89.2	91.8	99.2	4
A19490	45,990	43,000	93.0	95.0	81.4	89.0	91.8	98.9	4

Edition / Amendment

<sup>1</sup> See Note 1.



Noise Certification Basis

ICAO Annex 16, Volume I

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter<sup>1</sup>

4

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 74 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 SR	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E5A1 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19414	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	4
A19463	49,990	43,000	92.6	95.3	83.6	89.2	92.5	99.2	4
A19473	45,990	43,000	93.0	95.0	81.4	89.0	92.5	98.9	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 75 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 SR	
Engine TC Holder	General Electric Company		Engine Type Design	nation1	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Coo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A13628	45,990	43,000	93.0	95.0	81.7	89.0	92.5	98.9	-



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 76 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 SR	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Con
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19489	45,990	43,000	93.0	95.0	81.5	89.0	91.8	98.9	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 77 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 SR	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E7 G07	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19529	45,990	43,000	93.0	95.0	81.5	89.0	92.5	98.9	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 78 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	nation1	CF34-10E2A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	3 (Improved acous	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5303	47,790	43,000	91.6	95.2	84.6	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 79 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation <sup>1</sup>	CF34-10E2A1	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-503	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5646	47,790	43,000	91.7	95.2	85.0	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 80 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E2A1 G0	7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341	-3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8522	47,790	43,000	91.1	95.2	83.8	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 81 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation1	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	)3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5288	47,790	43,000	91.9	95.2	84.3	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 82 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1182	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 83 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	nation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19535	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 84 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8505	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 85 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 STD
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5 G07
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 2, P/N 341-3001-501 or P/N 34 001 (Improved acoustic chevron nozz and recertification Chapter 4)	

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 4 Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Take-off<sup>1</sup> Landing Record No. Note Level<sup>1</sup> Level<sup>1</sup> Level<sup>1</sup> Limit Limit Limit (kg) (kg) A19501 47,790 43,000 91.6 95.2 83.4 89.0 91.8 99.0 4 A19474 46,000 43,000 91.6 95.0 82.4 89.0 98.9 91.8 4 A19477 45,000 43,000 91.7 94.9 81.9 89.0 91.8 98.8 4 A19479 44,600 43,000 91.7 94.9 81.7 89.0 91.8 98.8 4 A19481 44,000 43,000 91.7 94.9 81.3 89.0 91.8 98.8 4 A19486 43,740 43,000 91.7 94.8 81.1 89.0 91.8 98.7 4

<sup>1</sup> See Note 1.



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 86 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)	-	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19467	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 87 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic ch recertification Chapter 4)	nevron nozzlo	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19530	43,740	43,000	91.7	94.8	81.1	89.0	92.5	98.7	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 88 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 0024 (Improved acoustic	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A17224	43,740	43,000	91.7	94.8	81.1	89.0	92.5	98.7	-



TCDSN No.: EASA.IM.A.071 Issue: 23					Page 89 of Date: 03 July 2	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi	gnation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 0024, DWG 171-12124-8 (IACN), MTOW 43740 kg	01 (Improved a		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A17225	43,740	43,000	91.7	94.8	81.1	89.0	91.8	98.7	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 90 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	lation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB190-00-0050, F (Reduction of MTOW to 4 (IACN))		•		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19114	44,000	43,000	91.0	94.9	81.3	89.0	92.5	98.8	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 91 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB190-00-0052, I (Reduction of MTOW to 4 (IACN))	-	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19113	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 92 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB190-00-0054, F (Reduction of MTOW to 4 (IACN))	•	•		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19112	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 93 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation <sup>1</sup>	CF34-10E5 G07	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, SB190-00-0056, F (Reduction of MTOW to 4 (IACN))	-	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19111	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23			Page 94 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-100 STD
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5 G07
Additional modifications esso certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	Block 2, SB190-00-0056, P/N 341-30 P/N 171-22644-001 (Reduction of M acoustic chevron nozzle (IACN) and I	TOW to 46000 kg, Improved

Edition 8 / Amendment 12

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>for</u>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19558	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	4
A19556	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	4
A19554	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	4
A19552	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	4

Edition / Amendment

ICAO Annex 16, Volume I



Noise Certification Basis

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Chapter<sup>1</sup>

4

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 95 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	P/N 341-3001-501 or P/N nozzle (IACN))	3 (Improved acous	stic chevron		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5291	47,790	43,000	93.0	95.2	83.7	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 96 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation1	CF34-10E5A1	
Additional modifications essent certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1185	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 97 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels $^{\rm 1}$			P/N 341-3501-501 or P/N loss chevron nozzle and r		544-001 (Low	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19538	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 98 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 STD	)
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1 G0	17
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341	-3001-503 (Improv	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8509	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 99 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation1	CF34-10E5A1 G07	,
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, P/N 341-3001-50 001 (Improved acoustic cl and recertification Chapte	hevron nozzlo	-		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19500	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 100 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation1	ERJ 190-100 STD	)
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E5A1 GC	17
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	Block 2, P/N 341-3001-50 001 (Improved acoustic ch Chapter 4)				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	<b>4</b>	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19472	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 101 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	ERJ 190-100 STD		
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	3 (Improved acou	stic chevron	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5294	47,790	43,000	92.0	95.2	84.3	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 102 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ERJ 190-100 STD		
Engine TC Holder	General Electric Company		Engine Type Designation <sup>1</sup> CF34-10E			
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels $^{\rm 1}$			P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1188	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 103 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designat	ion <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Designati	on <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	P/N 341-3501-501 or P/N 34 loss chevron nozzle and rece		-	544-001 (Low	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19542	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 104 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	nation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8512	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 105 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

Maximum Mas	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		( ee	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19499	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 106 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	ation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6 G07	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-501 001 (Improved acoustic ch Chapter 4)	-	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

Maximum Mass	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		See.	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19517	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 107 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation1	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	3 (Improved acous	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximum Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5297	47,790	43,000	93.0	95.2	83.7	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 108 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	nation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-50	3 (Low loss chevro	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1191	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-


TCDSN No.: EASA.IM.A.071 Issue: 23						Page 109 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designat	ion <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Designati	on <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N 34 loss chevron nozzle and rece		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	Soo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19546	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. \\ {\sf Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 110 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 STD	)
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6A1 G0	17
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341	-3001-503 (Impro	ved acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8515	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 111 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1 G07	,
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	( a c
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19498	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 112 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design	nation <sup>1</sup>	ERJ 190-100 STE	)
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E6A1 G	)7
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic ch Chapter 4)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	<sup>1</sup> <b>4</b>	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approa	ch EPNL	See Note
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19524	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 113 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3001-501 or P/N nozzle (IACN))	341-3001-50	3 (Improved acou	stic chevron
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5300	47,790	43,000	93.1	95.2	83.6	89.0	92.4	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23					Page 114 o Date: 03 July	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desigr	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Design	ation <sup>1</sup>	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N	341-3501-503	3 (Low loss chevron nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

FACA	Maximu	ım Mass	Lateral EPNL		Flyover EPNL Approach EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A5643	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 115 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	P/N 341-3501-501 or P/N loss chevron nozzle and r		-	544-001 (Low
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA		Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>5</b> 00
EASA Record N	0.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19550	)	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 116 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 chevron nozzle (IACN))	1 or P/N 341-	-3001-503 (Improv	ed acoustic
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

5454	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	( ee
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8519	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European} \ {\sf Union} \ {\sf Aviation} \ {\sf Safety} \ {\sf Agency}, \ 2025. \ {\sf All} \ rights \ reserved. \ {\sf ISO9001} \ {\sf Certified}. \\ {\sf Proprietary} \ {\sf document}. \ {\sf Copies} \ {\sf are} \ {\sf not} \ {\sf controlled}. \ {\sf Confirm} \ {\sf revision} \ {\sf status} \ {\sf through} \ {\sf the} \ {\sf EASA-Internet/Intranet}. \\ \end{array}$ 

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 117 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E7 G07	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic c and recertification Chapt	hevron nozzle		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	Con
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19497	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 118 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig	nation <sup>1</sup>	ERJ 190-100 STD	
Engine TC Holder	General Electric Company		Engine Type Desigr	lation <sup>1</sup>	CF34-10E7 G07	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 2, P/N 341-3001-50 001 (Improved acoustic cl Chapter 4)	-	-	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

FACA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19528	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 119 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi		ERJ 190-200 IGW ERJ 195)	1
Engine TC Holder	General Electric Company	Y .	Engine Type Desig	nation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
5101	Maximum Mass	Lateral EPNL	Flyover EPNL	Аррі	roach EPNL	

	IVIAXIIII		Latera	IEFINE	FIYOVE	IEFINL	Арргоа		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2798	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 120 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	<b>ERJ 190-200 IGW</b> ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapter	r <sup>1</sup> 3

FASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8526	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 121 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig	-	ERJ 190-200 IGV ERJ 195)	V
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements o	r needed to attain the	Block 02 (Improved acout (Recertification Chapter		nozzle), P/N 171-2	2644-001
Noise Certification Basis	ICAO Annex 16, Volume I E	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	<sup>L</sup> 4	
					_	

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19577	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 122 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designa (Commercial Designa		ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Designa	tion <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements o	r needed to attain the	P/N 171-22644-001 (Recert	ification Cl	napter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I E	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>Coo</u>
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19560	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	4



TCDSN No.: EASA.IM.A.07 Issue: 23	L					Page 123 of 201 Date: 03 July 2025
Type Certificate Holder	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Compar	ıy	Engine Type Desi	gnation <sup>1</sup>	CF34-10E5A1	
Additional modification certificated noise levels	s essential to meet the requiremo	ents or needed to attain the	None			
Noise Certification Basi	s ICAO Annex 16, Volume	l Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>2</sup>	3	
FACA	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	
EASA						See

Level<sup>1</sup>

86.2

Limit

89.5

Level<sup>1</sup>

92.9

Limit

95.5

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Note

-

Limit

99.3

An Agency of the European Union

Record No.

A2801

Take-off<sup>1</sup>

(kg) **52,290**  Landing

(kg)

45,800

Level<sup>1</sup>

92.9

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 124 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig		ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requirements or neede	ed to attain the	Block 02 (Improved acou	stic chevron ı	nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition ,	Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8529	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23

Noise Certification Basis

Type Certificate Holder<sup>1</sup> Embraer S.A.

## **Engine TC Holder General Electric Company**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

ICAO Annex 16, Volume I

Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)

Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup>

Aircraft Type Designation<sup>1</sup>

(Commercial Designation

Engine Type Designation<sup>1</sup>

4

ERJ 190-200 IGW

ERJ 195)

CF34-10E5A1

EASA Record No. A19581	Maximu	um Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19581	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	4
A19575	47,500	45,800	92.6	95.1	82.3	89.0	92.6	99.0	4

<sup>1</sup> See Note 1.



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 126 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	<b>ERJ 190-200 IGW</b> ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification (	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19563	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 127 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IGW ERJ 195)	I
Engine TC Holder	General Electric Compan	Y .	Engine Type Desig	nation <sup>1</sup>	CF34-10E6	
Additional modifications ess certificated noise levels <sup>1</sup>	ential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	<sup>1</sup> 3	
5464	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	C

	IVIAXIIIIU		Latera	IEPINL	Fiyove	I EPINL	Арргоа		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2804	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 128 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Design (Commercial Design	
Engine TC Holder	General Electric Company	Engine Type Design	ation <sup>1</sup> <b>CF34-10E6</b>
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain t	ne Block 02 (Improved acous	tic chevron nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendme	t Edition 3 / Amendment 7	Chapter <sup>1</sup> <b>3</b>

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8532	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	-

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 129 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	0	ERJ 190-200 IG ERJ 195)	w
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	ts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>	

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19584	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 130 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	<b>ERJ 190-200 IGW</b> ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification (	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19566	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	4



TCDSN No.: EASA.IM.A.07 Issue: 23	1					Page 131 of 201 Date: 03 July 2025
Type Certificate Holder	<sup>1</sup> Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Compar	Ŋ	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6A1	
Additional modificatior certificated noise levels	s essential to meet the requiremo	ents or needed to attain the	None			
Noise Certification Bas	s ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	oach EPNL	- Foo
EASA	- 1 cc1					See

Limit

95.5

Level<sup>1</sup>

86.2

<sup>1</sup> See Note 1.



Record No.

A2807

Take-off<sup>1</sup>

(kg)

52,290

Landing

(kg)

45,800

Level<sup>1</sup>

92.9

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Level<sup>1</sup>

92.9

Limit

89.5

Note

-

Limit

99.3

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 132 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig	-	ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements	or needed to attain the	Block 02 (Improved acou	stic chevron	nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	<sup>1</sup> 3	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8535	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 133 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IG ERJ 195)	w
Engine TC Holder	General Electric Compan	y	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6A1	
Additional modifications est certificated noise levels <sup>1</sup>	sential to meet the requireme	nts or needed to attain the	Block 02 (Improved acouting (Recertification Chapter		nozzle), P/N 171-	22644-001
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 8 / Amendment 12	Chapter	r <sup>1</sup> <b>4</b>	
	Maximum Mass	Latoral EDNI	Elvovor EDNI	Apr	aroach EDNU	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19587	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 134 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Design (Commercial Design		ERJ 190-200 IGW ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Designa	ation <sup>1</sup>	CF34-10E6A1	
Additional modifications essent certificated noise levels <sup>1</sup>	ntial to meet the requirements o	or needed to attain the	P/N 171-22644-001 (Recer	tification Cł	apter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

E A S A	Maximu	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19569	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 135 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IGW ERJ 195)	V
Engine TC Holder	General Electric Compar	Y .	Engine Type Desig	gnation <sup>1</sup>	CF34-10E7	
Additional modifications exceptions exceptions exception of the second s	ssential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
5464	Maximum Mass	Lateral EPNL	Flyover EPNL	Аррг	roach EPNL	

EASA					FIYOVEI EPINL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2810	52,290	45,800	93.0	95.5	86.1	89.5	92.9	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 136 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapte	r <sup>1</sup> 3

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Sec.
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8538	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 137 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 IG ERJ 195)	W
Engine TC Holder	General Electric Company	,	Engine Type Desig	gnation <sup>1</sup>	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requiremer	nts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		n nozzle), P/N 171	-22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	r <sup>1</sup> <b>4</b>	
				-		

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19590	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 138 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19572	52,290	45,800	93.0	95.5	86.1	89.5	92.9	99.3	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 139 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compar	ıy	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requiremo	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter	<sup>1</sup> 3	
	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	

LVCV	Maximu	ım Mass	Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2797	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 140 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapte	r <sup>1</sup> 3

		Maximu	ım Mass	Latera	l EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note	
	A8525	50,790	45,000	91.3	95.4	85.4	89.3	92.5	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23

Noise Certification Basis

Type Certificate Holder<sup>1</sup> Embraer S.A.

## **Engine TC Holder General Electric Company**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)

ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 4

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note	
A19579	50,790	45,000	91.3	95.4	85.4	89.3	92.5	99.2	4	
A19578	50,490	45,000	91.3	95.4	85.1	89.3	92.5	99.2	4	

<sup>1</sup> See Note 1.



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Aircraft Type Designation <sup>1</sup>	ERJ 190-200 LR
(Commercial Designation	ERJ 195)

Engine Type Designation<sup>1</sup>

CF34-10E5

TCDSN No.: EASA.IM.A.071 Issue: 23			Page 142 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	<b>ERJ 190-200 LR</b> ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	EASA Record No.	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	See.
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19561	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	4



TCDSN No.: EASA.IM.A.07 Issue: 23	1					Page 143 of 201 Date: 03 July 2025
Type Certificate Holde	<sup>1</sup> Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compa	ny	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modification certificated noise level	s essential to meet the requirem	ents or needed to attain the	None			
Noise Certification Bas	is ICAO Annex 16, Volume	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
FACA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appro	ach EPNL	6.00
EASA						See

Limit

95.4

Level<sup>1</sup>

85.4

<sup>1</sup> See Note 1.



Record No.

A2800

Take-off<sup>1</sup>

(kg)

50,790

Landing

(kg)

45,000

Level<sup>1</sup>

93.0

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Level<sup>1</sup>

92.8

Limit

89.3

Note

-

Limit

99.2

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 144 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder General Electric Company			Engine Type Desig	CF34-10E5A1		
Additional modifications ess certificated noise levels <sup>1</sup>	ential to meet the requiremer	its or needed to attain the	Block 02 (Improved acou	ustic chevror	nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapte	r <sup>1</sup> <b>3</b>	
			51 5001			

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note	
A8528	50,790	45,000	92.5	95.4	84.1	89.3	92.5	99.2	-	

An Agency of the European Union
TCDSN No.: EASA.IM.A.071 Issue: 23						Page 145 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	Y	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-2	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>	
	Maximum Mass	Latoral EDNI	Elvoyor EDNI	Ann	roach EDNU	

EASA -	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19582	50,790	45,000	92.5	95.4	84.1	89.3	92.5	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 146 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	0	ERJ 190-200 LF ERJ 195)	R
Engine TC Holder	General Electric Compar	iy	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications e certificated noise levels <sup>1</sup>	essential to meet the requireme	ents or needed to attain the	Block 02 (Improved aco SB 190-00-0076 (Recerti 48.790 kg)			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>	
	Maximum Mass	Lateral EPNI	Elvover EPNI	Ann	roach EPNI	

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19704	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 147 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Des (Commercial Des	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	,	Engine Type Desi	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications ess certificated noise levels <sup>1</sup>	ential to meet the requirement	nts or needed to attain the	Block 02 (Improved aco (MTOM reduction to 48		nozzle), SB 190-0	0-0076
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter	-1 <b>3</b>	
	Maximum Mass	Latoral EDNI	Elvover EDNI	Apr	woach EDNI	

EASA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See.
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19707	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

\* \* \* \* \* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23					Page 148 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to at	ain the P/N 171-22644-001 (Rec	ertification Ch	napter 4)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amen	dment Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	

EASA — Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19564	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	4

<sup>1</sup> See Note 1.

\*\*\*\* An Agency of the European Union TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 149 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	•	ERJ 190-200 LF ERJ 195)	ł
Engine TC Holder	General Electric Company		Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications ess certificated noise levels <sup>1</sup>	sential to meet the requiremen	its or needed to attain the	P/N 171-22644-001 and and MTOM reduction to		)76 (Recertificatio	on Chapter 4
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>	
			Electron EDNU	A		

EASA — Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19146	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 150 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Des (Commercial Des	•	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	1	Engine Type Desi	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications ess certificated noise levels <sup>1</sup>	sential to meet the requireme	nts or needed to attain the	SB 190-00-0076 (MTOM	reduction to	o 48.790 kg)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapte	r <sup>1</sup> <b>3</b>	
	Maximum Mass	Lateral FPNI	Elvover EPNI	An	proach EPNI	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19706	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 151 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compar	<b>iy</b>	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6	
Additional modifications est certificated noise levels <sup>1</sup>	sential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>2</sup>	<sup>1</sup> 3	
5464	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2803	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 152 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron n	ozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup>	3

EASA	Maximu	ım Mass	Latera	l epnl	Flyove	r EPNL	Approa	ch EPNL	500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8531	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 153 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	1	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	Block 02 (Improved acoution (Recertification Chapter		nozzle), P/N 171-2	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>.1</sup> 4	
	Maximum Mass	Latoral EDNI	Elvoyor EDNI	٨٥٥		

	Maximu	im Mass	Latera	IEPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19585	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 154 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designati (Commercial Designati		ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Designation	on <sup>1</sup>	CF34-10E6	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	Engine intermix (one engine engine with Block 02 (Improv		•	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<u>Coo</u>
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19831	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 155 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximu	ım Mass	Latera	l epnl	Flyove	r EPNL	Approa	ch EPNL	Soo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19567	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 156 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi		ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compan	Y	Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	roach EPNL	500

EASA	Maximu	um Mass	Latera	IEPNL	Flyove	r EPNL	Approa	ch EPNL	500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2806	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 157 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compan	у	Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1	
Additional modifications essence certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	Block 02 (Improved acou	istic chevror	n nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 3 / Amendment 7	Chapte	r <sup>1</sup> <b>3</b>	
			51 50011			

	Maximu	ım Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ch EPNL	See
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8534	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 158 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig		ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or need	led to attain the	Block 02 (Improved acou (Recertification Chapter d		nozzle), P/N 171-22	2644-001
Noise Certification Basis	ICAO Annex 16, Volume I Edition	/ Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>	

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19588	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	4

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23			Page 159 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	<b>ERJ 190-200 LR</b> ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximu	ım Mass	Latera	l EPNL	Flyove	er EPNL	Approa	ch EPNL	<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19570	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	4

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 160 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Compar	Ŷ	Engine Type Desig	gnation <sup>1</sup>	CF34-10E7	
Additional modifications e certificated noise levels <sup>1</sup>	ssential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter	<sup>1</sup> <b>3</b>	
FACA	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	6

EASA	Maximu	im Mass	Latera	IEPNL	Flyove	r EPNL	Approa	ch EPNL	500
Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2809	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 161 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	n nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapte	r <sup>1</sup> 3

	Maximu	ım Mass	Latera	l EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8537	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 162 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 LR ERJ 195)	
Engine TC Holder	General Electric Company	1	Engine Type Desig	nation <sup>1</sup>	CF34-10E7	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-2	2644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	r <sup>1</sup> <b>4</b>	
			51 5554			

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19591	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 163 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification )	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

EASA	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>S</b> aa
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19573	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 164 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig		ERJ 190-200 STD ERJ 195)	
Engine TC Holder	General Electric Company	1	Engine Type Desig	nation <sup>1</sup>	CF34-10E2A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	oach EPNL	500

	iviaximum iviass		Lateral EPNL		Flyover EPINL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2795	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 165 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E2A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapter	<sup>1</sup> <b>3</b>

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8523	48,790	45,000	91.0	95.2	84.5	89.1	92.5	99.1	-

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 166 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 ST ERJ 195)	D
Engine TC Holder	General Electric Company	,	Engine Type Desig	gnation <sup>1</sup>	CF34-10E2A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requiremer	nts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	r <sup>1</sup> <b>4</b>	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19576	48,790	45,000	91.0	95.2	84.5	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 167 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E2A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximu	ım Mass	Latera	I EPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19559	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	4



TCDSN No.: EASA.IM.A.07 Issue: 23	L								Page 168 of 201 Date: 03 July 2025
Type Certificate Holder	Embrae	er S.A.				Aircraft Type Desi Commercial Desi	-	ERJ 190-200 STD ERJ 195)	
Engine TC Holder	Genera	l Electric Compan	y		E	ngine Type Desig	gnation <sup>1</sup>	CF34-10E5	
Additional modification certificated noise levels		eet the requireme	nts or needed t	o attain the	None				
Noise Certification Basi	s ICAO A	nnex 16, Volume	Edition / An	nendment	Edition 3 / Am	endment 7	Chapter <sup>1</sup>	3	
EASA	Maxim	um Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ach EPNL	
EASA	- 1 cc1								See

Limit

95.2

Level<sup>1</sup>

85.4

1	See	Note	1.

An Agency of the European Union

Record No.

A2796

Take-off<sup>1</sup>

(kg) **48,790**  Landing

(kg)

45,000

Level<sup>1</sup>

91.8

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Level<sup>1</sup>

92.8

Limit

89.1

Note

-

Limit

99.1

TCDSN No.: EASA.IM.A.071 Issue: 23			Page 169 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapte	r <sup>1</sup> 3

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>Coo</u>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8524	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 170 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	•	ERJ 190-200 ST ERJ 195)	D
Engine TC Holder	General Electric Compan	<i>v</i>	Engine Type Desig	gnation <sup>1</sup>	CF34-10E5	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<b>-</b> 1 <b>4</b>	

	Maximu	ım Mass	Latera	IEPNL	Flyove	er EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19580	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 171 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification (	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

		Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19562	48,790	45,000	91.8	95.2	85.4	89.1	92.8	99.1	4

\* \* \* \* \* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 172 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig		ERJ 190-200 STD ERJ 195)	
Engine TC Holder	General Electric Compar	у	Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications encode certificated noise levels <sup>1</sup>	ssential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	l Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
FASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	oach EPNL	See

EASA See Take-off<sup>1</sup> Landing Record No. Note Level<sup>1</sup> Limit Level<sup>1</sup> Limit Level<sup>1</sup> Limit (kg) (kg) 48,790 95.2 A2799 45,000 93.1 84.3 89.1 92.8 99.1 -

<sup>1</sup> See Note 1.

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 173 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig	-	ERJ 190-200 STD ERJ 195)	
Engine TC Holder	General Electric Company		Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirement	s or needed to attain the	Block 02 (Improved acou	stic chevron	nozzle)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>2</sup>	<sup>1</sup> 3	

FACA	Maximu	ım Mass	Latera	IEPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8527	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

<sup>1</sup> See Note 1.



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 174 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 STE ERJ 195)	,
Engine TC Holder	General Electric Company		Engine Type Desig	gnation <sup>1</sup>	CF34-10E5A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requiremen	ts or needed to attain the	Block 02 (Improved acou (Recertification Chapter		nozzle), P/N 171-2	2644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>.1</sup> <b>4</b>	

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19583	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.0 Issue: 23	71					Page 175 of 201 Date: 03 July 2025
Type Certificate Holde	r <sup>1</sup> Embraer S.A.		Aircraft Type Desig (Commercial Desig	-	ERJ 190-200 ST ERJ 195)	D
Engine TC Holder	General Electric Comp	any	Engine Type Desig	nation <sup>1</sup>	CF34-10E5A1	
Additional modificatio certificated noise leve	ns essential to meet the require s <sup>1</sup>	ments or needed to attain the	Block 02 (Improved acou SB 190-00-0038 (Recertif 46000 kg)		-	
Noise Certification Ba	sis ICAO Annex 16, Volun	ne I Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	4	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Approa	ach EPNL	See
2/(3/(						566

Limit

95.0

Level<sup>1</sup>

81.5

<sup>1</sup> See Note 1.

An Agency of the European Union

Record No.

A19118

Take-off<sup>1</sup>

(kg)

46,000

Landing

(kg)

45,000

Level<sup>1</sup>

92.7

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Level<sup>1</sup>

92.5

Limit

89.0

Note

-

Limit

98.9

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 176 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>			Aircraft Type Des (Commercial Des	ERJ 190-200 ST ERJ 195)	D		
Engine TC Holder	General Electric Company	,	Engine Type Desi	gnation <sup>1</sup>	CF34-10E5A1		
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requiremer	nts or needed to attain the	Block 02 (Improved acoustic chevron nozzle), SB 190-00-0038 (MTOM reduction to 46000 kg)				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter	<sup>.1</sup> 3		
				A			

	EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19708	46,000	45,000	92.7	95.0	81.5	89.0	92.5	98.9	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 177 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E5A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification )	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> <b>4</b>

ГАС	FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>Coo</u>
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19565	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 178 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A. General Electric Company essential to meet the requirements or needed to attain ICAO Annex 16, Volume I Edition / Amendme Maximum Mass Lateral EPNL		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 STD ERJ 195)	
Engine TC Holder	General Electric Compar	у	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6	
Additional modifications e certificated noise levels <sup>1</sup>	ssential to meet the requireme	ents or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	l Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
FASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	oach EPNL	Sec.

			Lateral EPINL		FIYOVER EPINL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2802	48,790	45,000	91.9	95.2	85.3	89.1	92.8	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 179 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>			Aircraft Type Desi (Commercial Desi	-	<b>ERJ 190-200 STD</b> ERJ 195)		
Engine TC Holder	General Electric Compan	Engine Type Desig	CF34-10E6				
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requireme	nts or needed to attain the	Block 02 (Improved acou	ustic chevror	n nozzle)		
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 3 / Amendment 7	Chapte	r <sup>1</sup> <b>3</b>		
			EL EDNU				

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8530	48,790	45,000	91.4	95.2	84.1	89.1	92.5	99.1	-

An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 180 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>				Aircraft Type Designation1E(Commercial DesignationE			
Engine TC Holder	General Electric Compan	у	Engine Type Desi	CF34-10E6			
Additional modifications essentiations essentiations essentiated noise levels <sup>1</sup>	ential to meet the requireme	nts or needed to attain the	Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)				
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 8 / Amendment 12	Chapte	r <sup>1</sup> <b>4</b>		
	Maximum Mass	Latoral EDNI	Elvovor EDNI	Ani	proach EDNI		

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		Soo
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19586	48,790	45,000	91.4	95.2	84.1	89.1	92.5	99.1	4


TCDSN No.: EASA.IM.A.071 Issue: 23			Page 181 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification C	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapter	r <sup>1</sup> <b>4</b>

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19568	48,790	45,000	91.9	95.2	85.3	89.1	92.8	99.1	4



	TCDSN No.: EASA.IM.A.071 Issue: 23						Page 182 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup> Embraer S.A.				Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 STD ERJ 195)	
Engine TC Holder General Electric Company				Engine Type Desig	gnation <sup>1</sup>	CF34-10E6A1	
	Additional modifications certificated noise levels <sup>1</sup>	essential to meet the requiremo	ents or needed to attain the	None			
	Noise Certification Basis	ICAO Annex 16, Volume	I Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
	FASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appro	oach EPNL	See

	Maximu	ım Mass	Latera	IEPNL	Flyove	r EPNL	Approa	ch EPNL	500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2805	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 183 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapter	-1 <b>3</b>

FACA		Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A8533	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 184 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	•	ERJ 190-200 ST ERJ 195)	D
Engine TC Holder	General Electric Company	v .	Engine Type Desig	gnation <sup>1</sup>	CF34-10E6A1	
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requireme	nts or needed to attain the	Block 02 (Improved acor (Recertification Chapter		nozzle), P/N 171-	22644-001
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	-1 <b>4</b>	
		Latoral EDNI	Elvoyor EDNI	٨٣٣		

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19589	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 185 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E6A1
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification )	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<b>See</b>
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19571	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	4

\*\*\*\* \*\*\* An Agency of the European Union

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 186 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desig (Commercial Desig	-	ERJ 190-200 STD ERJ 195)	
Engine TC Holder	General Electric Compan	y	Engine Type Desig	nation <sup>1</sup>	CF34-10E7	
Additional modifications essen certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume	Edition / Amendment	Edition 3 / Amendment 7	Chapter <sup>1</sup>	3	
EASA	Maximum Mass	Lateral EPNL	Flyover EPNL	Appr	oach EPNL	500

FACA					TIYOVET ET NE		Approach ei Ne		5.0.0
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A2808	48,790	45,000	93.1	95.2	84.2	89.1	92.8	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 187 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	Block 02 (Improved acoustic chevron	nozzle)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 3 / Amendment 7 Chapter	<sup>1</sup> 3

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A8536	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-



TCDSN No.: EASA.IM.A.071 Issue: 23						Page 188 of 201 Date: 03 July 2025	
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-200 STD ERJ 195)	)	
Engine TC Holder	General Electric Company	1	Engine Type Desig	gnation <sup>1</sup>	CF34-10E7		
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirement	nts or needed to attain the	Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter	<sup>1</sup> <b>4</b>		

	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19592	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	4



TCDSN No.: EASA.IM.A.071 Issue: 23			Page 189 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation <sup>1</sup>	CF34-10E7
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	P/N 171-22644-001 (Recertification (	Chapter 4)
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 12 Chapte	r <sup>1</sup> 4

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>See</u>	
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
	A19574	48,790	45,000	93.1	95.2	84.2	89.1	92.8	99.1	4

\*\*\*\* \*\*\* An Agency of the European Union

Page 190 of 201
Date: 03 July 2025

/continued on next page

	Type Certificate Holder <sup>1</sup> Embraer S.A.						aft Type Design mercial Design		ERJ 190-300 190-E2)		
	Engine TC Holder	Pratt & V	/hitney			Engin	e Type Design	ation <sup>1</sup>	PW1919G		
	Additional modificati certificated noise lev Noise Certification Ba	els <sup>1</sup>	et the requirement		attain the	None	e on 8 / Amendr	ment 12	Chapter <sup>1</sup>	14	
1		Maximum		Lateral	,	Flyover		1	bach EPNL		
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Se Not	
	A19329	56,400	49,050	85.4	95.8	78.7	89.9	91.4	99.6	-	

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19329	56,400	49,050	85.4	95.8	78.7	89.9	91.4	99.6	-
A19330	56,200	49,050	85.4	95.7	78.6	89.9	91.4	99.6	-
A19332	55,500	49,050	85.4	95.7	78.3	89.8	91.4	99.6	-
A19333	55,000	49,050	85.4	95.7	78.1	89.8	91.4	99.5	-
A19334	54,500	49,050	85.4	95.6	77.9	89.7	91.4	99.5	-
A19335	54,000	49,050	85.4	95.6	77.7	89.7	91.4	99.5	-
A19336	53,500	49,050	85.5	95.6	77.5	89.6	91.4	99.4	-
A19337	53,000	49,050	85.5	95.5	77.3	89.6	91.4	99.4	-
A19338	52,500	49,050	85.5	95.5	77.1	89.5	91.4	99.4	-

<sup>1</sup> See Note 1.

An Agency of the European Union

Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-300 190-E2)	
Engine TC Holder	Pratt & Whitney		Engine Type Designation <sup>1</sup>	PW1919G	
Additional modifications ess certificated noise levels <sup>1</sup>	ential to meet the requirements or	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter <sup>1</sup>	14

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Note
A19339	52,000	49,050	85.5	95.5	76.9	89.4	91.4	99.3	-
A19340	51,500	49,050	85.5	95.4	76.7	89.4	91.4	99.3	-
A19341	51,000	49,050	85.6	95.4	76.5	89.3	91.4	99.3	-
A19342	50,500	49,050	85.6	95.4	76.3	89.3	91.4	99.2	-
A19343	49,990	49,050	85.6	95.3	76.1	89.2	91.4	99.2	-

<sup>1</sup> See Note 1.



certificated noise levels<sup>1</sup>

				244
Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup>	ERJ 190-300	
		(Commercial Designation	190-E2)	
Engine TC Holder	Pratt & Whitney	Engine Type Designation <sup>1</sup>	PW1922G	
Additional modifications ess	sential to meet the requirements or needed to attain the	None		

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 14 Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Landing<sup>1</sup> Take-off<sup>1</sup> Record No. Note Level<sup>1</sup> Level<sup>1</sup> Level<sup>1</sup> Limit Limit Limit (kg) (kg) A19344 56,400 49,050 77.3 86.6 95.8 89.9 91.4 99.6 -A19345 56,200 77.2 99.6 49,050 86.6 95.7 89.9 91.4 -A19346 56,000 49,050 86.7 95.7 77.1 89.9 91.4 99.6 -A19347 55,500 49,050 86.7 95.7 76.9 89.8 91.4 99.6 -A19348 55,000 49,050 86.7 95.7 76.7 89.8 91.4 99.5 -A19349 54,500 49,050 86.7 95.6 76.6 89.7 99.5 91.4 -A19350 54,000 76.4 99.5 49,050 86.7 95.6 89.7 91.4 -A19351 53,500 49,050 86.8 95.6 76.2 89.6 91.4 99.4 -A19352 53,000 49,050 86.8 95.5 76.0 89.6 91.4 99.4 -

<sup>1</sup> See Note 1.



 $\label{eq:terms} \begin{array}{l} {\sf TE.CERT.00051-001} \ \textcircled{O} \ {\sf European} \ {\sf Union} \ {\sf Aviation} \ {\sf Safety} \ {\sf Agency}, \ 2025. \ {\sf All} \ rights \ reserved. \ {\sf ISO9001} \ {\sf Certified}. \\ {\sf Proprietary} \ {\sf document}. \ {\sf Copies} \ {\sf are} \ {\sf not} \ {\sf controlled}. \ {\sf Confirm} \ {\sf revision} \ {\sf status} \ {\sf through} \ {\sf the} \ {\sf EASA-Internet/Intranet}. \\ \end{array}$ 

/continued on next page

Noise Certification Basis

ICAO Annex 16, Volume I

Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-300 190-E2)
Engine TC Holder	Pratt & Whitney	Engine Type Designation <sup>1</sup>	PW1922G
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	None	

Edition / Amendment

	Maximum	Mass	Lateral	EPNL Flyover EPNL		Approach EPNL		6		
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note	
A19353	52,500	49,050	86.8	95.5	75.8	89.5	91.4	99.4	-	
A19354	52,000	49,050	86.8	95.5	75.6	89.4	91.4	99.3	-	
A19355	51,500	49,050	86.8	95.4	75.4	89.4	91.4	99.3	-	
A19356	51,000	49,050	86.9	95.4	75.2	89.3	91.4	99.3	-	
A19357	50,500	49,050	86.9	95.4	75.0	89.3	91.4	99.2	-	
A19358	49,990	49,050	86.9	95.3	74.9	89.2	91.4	99.2	-	

<sup>1</sup> See Note 1.



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Edition 8 / Amendment 12

Chapter<sup>1</sup>

14

Type Certificate Holder<sup>1</sup>

PW1921G

Engine TC Holder Pratt & Whitney

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

Embraer S.A.

Noise Certification Basis Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> ICAO Annex 16, Volume I 14 Lateral EPNL Flyover EPNL Approach EPNL Maximum Mass EASA See Landing<sup>1</sup> Take-off<sup>1</sup> Record No. Note Level<sup>1</sup> Level<sup>1</sup> Level<sup>1</sup> Limit Limit Limit (kg) (kg) A19674 62,000 54,000 79.8 86.1 96.1 90.5 91.7 99.9 -A19359 61,500 79.6 99.9 54,000 86.1 96.1 90.4 91.7 -A19360 61,200 54,000 86.1 96.1 79.5 90.4 91.7 99.9 -A19361 60,700 54,000 86.1 96.0 79.3 90.3 91.7 99.9 -A19362 60,200 54,000 86.1 96.0 79.1 90.3 91.7 99.8 -A19363 59,700 54,000 86.2 96.0 78.9 90.2 91.7 99.8 -A19364 78.7 99.8 59,200 54,000 86.2 95.9 90.2 91.7 -A19365 58,700 54,000 86.2 95.9 78.5 90.1 91.7 99.7 -54,000 A19366 58,200 86.2 95.9 78.3 90.1 91.7 99.7 -

<sup>1</sup> See Note 1.

\* \* \*\*
\* \*
\* \*
\* \*
An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

/continued on next page

None

Engine Type Designation<sup>1</sup>

Noise Certification Basis

ICAO Annex 16, Volume I

Type Certificate Holder <sup>1</sup>	Embraer S.A.	Aircraft Type Designation <sup>1</sup> (Commercial Designation	ERJ 190-400 E195-E2)
Engine TC Holder	Pratt & Whitney	Engine Type Designation <sup>1</sup>	PW1921G
Additional modifications esse certificated noise levels <sup>1</sup>	ential to meet the requirements or needed to attain the	None	

Edition / Amendment

FACA	Maximum	Mass	Lateral	Lateral EPNL		Flyover EPNL		ch EPNL	C	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note	
A19367	57,700	54,000	86.2	95.8	78.1	90.0	91.7	99.7	-	
A19368	57,200	54,000	86.3	95.8	77.8	90.0	91.7	99.7	-	
A19369	56,700	54,000	86.3	95.8	77.6	89.9	91.7	99.6	-	
A19370	56,200	54,000	86.3	95.7	77.4	89.9	91.7	99.6	-	
A19371	55,700	54,000	86.3	95.7	77.2	89.8	91.7	99.6	-	
A19372	55,200	54,000	86.4	95.7	77.1	89.8	91.7	99.5	-	

<sup>1</sup> See Note 1.



TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Edition 8 / Amendment 12

Chapter<sup>1</sup>

14

TCDSN No.: EASA.IM.A.071 Issue: 23						Page 196 of 201 Date: 03 July 2025
Type Certificate Holder <sup>1</sup>	Embraer S.A.		Aircraft Type Desi (Commercial Desi	-	ERJ 190-400 E195-E2)	
Engine TC Holder	Pratt & Whitney		Engine Type Desig	nation <sup>1</sup>	PW1921G	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requireme	nts or needed to attain the	None			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter	<sup>1</sup> <b>14</b>	
5464	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	

	Maximu	ım Mass	Latera	Lateral EPNL		Flyover EPNL		Approach EPNL	
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19713	62,500	54,000	85.6	96.1	79.9	90.5	91.7	100.0	-



## Page 197 of 201 Date: 03 July 2025

Type Certificate H	older <sup>1</sup> Embraer	Embraer S.A.				Aircraft Type Designation <sup>1</sup> (Commercial Designation			ERJ 190-400 E195-E2)		
Engine TC Holder	Pratt & V	Vhitney			Engin	PW1923G/PW19	23G-A				
Additional modific certificated noise	cations essential to me levels <sup>1</sup>	et the requiremen	ts or needed to	attain the	None	2					
Noise Certificatior	n Basis ICAO Anı	nex 16, Volume I	Editio	on / Amendmen	t <b>Editio</b>	n 8 / Amendr	nent 12	Chapter <sup>1</sup> 14	1		
FACA	Maximum	Mass	Lateral	Lateral EPNL Flyover EPNL		Appro	ach EPNL	C			
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note		
A19675	62,000	54,000	86.4	96.1	79.4	90.5	91.7	99.9	-		
A19373	61,500	54,000	86.4	96.1	79.2	90.4	91.7	99.9	-		
A19374	61,200	54,000	86.4	96.1	79.1	90.4	91.7	99.9	-		
A19375	60,700	54,000	86.5	96.0	78.9	90.3	91.7	99.8	-		
A19376	60,200	54,000	86.5	96.0	78.7	90.3	91.7	99.8	-		
A19377	59,700	54,000	86.5	96.0	78.5	90.2	91.7	99.8	-		
A19378	59,200	54,000	86.5	96.0	78.3	90.2	91.7	99.8	-		
A19379	58,700	54,000	86.6	95.9	78.1	90.1	91.7	99.7	-		
A19380	58,200	54,000	86.6	95.9	77.9	90.1	91.7	99.7	-		

<sup>1</sup> See Note 1.

\*\*\*\* An Agency of the European Union

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

/continued on next page

Page 198 of 201 Date: 03 July 2025

-

-

Type Certificate Holder <sup>1</sup> Embraer S.A.						<b>ift Type Desigr</b> mercial Desigr		<b>ERJ 190-400</b> E195-E2)		
E	ingine TC Holder	Pratt & V	Whitney			Engin	e Type Design	ation <sup>1</sup>	PW1923G/PW192	23G-A
	Additional modific ertificated noise l	cations essential to me levels <sup>1</sup>	et the requiremer	nts or needed to	attain the	None	2			
١	Noise Certification	Basis ICAO An	nex 16, Volume I	Editic	on / Amendme	nt <b>Editic</b>	on 8 / Amendr	nent 12	Chapter <sup>1</sup> 14	1
[	5464	Maximum	Mass	Lateral	Lateral EPNL		Flyover EPNL		ach EPNL	C
	EASA Record No.	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
Ī	A19381	57,700	54,000	86.6	95.9	77.7	90.0	91.7	99.7	-
Ī	A19382	57,200	54,000	86.6	95.8	77.5	90.0	91.7	99.6	-
Ī	A19383	56,700	54,000	86.7	95.8	77.3	89.9	91.7	99.6	-
Ī	A19384	56,200	54,000	86.7	95.8	77.1	89.9	91.7	99.6	-

95.7

95.7

76.9

76.7

89.8

89.8

<sup>1</sup> See Note 1.



A19385

A19386

55,700

55,200

54,000

54,000

86.7

86.7

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

91.7

91.7

99.6

99.5

TCDSN No.: EASA.IM.A.07 Issue: 23	1								Page 199 of 201 Date: 03 July 2025
Type Certificate Holder	<sup>1</sup> Embrae	er S.A.				<b>Nircraft Type Desi</b> Commercial Desi	•	ERJ 190-400 E195-E2)	
Engine TC Holder Pratt & Whitney					Engine Type Designation <sup>1</sup> <b>PW1923G/PW</b>			PW1923G/PW19	)23G-A
Additional modification certificated noise levels		eet the requirem	ents or needed to	o attain the	None				
Noise Certification Basi	s ICAO A	nnex 16, Volume	I Edition / An	nendment	Edition 8 / Am	endment 13	Chapter <sup>1</sup>	14	
FACA	Maximu	um Mass	Latera	I EPNL	Flyove	er EPNL	Approa	ach EPNL	
EASA Record No.	Take-off <sup>1</sup>	Landing	Level <sup>1</sup>	Limit	l evel <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note

Level<sup>1</sup>

79.9

Limit

90.5

Level<sup>1</sup>

91.7

Limit

96.1

Level<sup>1</sup>

85.9

(kg)

54,000

(kg)

62,500

<sup>1</sup> See Note 1.



Record No.

A19714

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2025. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.

Note

-

Limit

100.0

## 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

Note: This table is for information purposes only. It links the applicable noise requirements in Volume I of ICAO Annex 16 to the corresponding Appendices to that Volume, which were listed as acceptable means of compliance in CS-36. With the adoption of Regulation (EU) 2018/1139 (i.e. from Amendment 12 to Volume I of ICAO Annex 16) these Appendices became part of the applicable noise requirements. Their reference was removed in Amendment 6 to CS-36 and this table will not be updated further.

## TCDSN EASA.IM.A.071 Notes

- 1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
- 2. P/N 171-22644-001 installed via SB 190-00-0096; also applicable for aircraft converted via SB 190-25-0270 (full cargo configuration)
- 3. also applicable for aircraft converted via SB 190-25-0270 (full cargo configuration)
- 4. P/N 171-22644-001 installed via SB 190-00-0096



## Change Record

Issue	Date	Changes
lssue 1	20 April 2006	Initial Issue
Issue 2	13 July 2006	Revised
Issue 3	19 July 2006	Revised
Issue 4	21 February 2007	Revised
Issue 5	12 March 2007	Revised
lssue 6	07 November 2007	Revised
lssue 7	04 March 2008	Revised
Issue 8	01 February 2010	Addition of 190-100 SR variant and typing errors correction
Issue 9	04 July 2013	ERJ190-100 revised MTOW
Issue 10	04 July 2013	ERJ190-100 revised MTOW
lssue 11	13 January 2016	Added LR/STD versions with reduced MTOW
lssue 12	01 March 2018	Added 190-300 E2
lssue 13	03 January 2019	Updated modifications from P/N 341-3001-501 to P/N 341 3001 503
lssue 14	23 April 2019	ERJ190-400 added
lssue 15	13 December 2019	Revised
Issue 16	31 January 2020	Transfer of Type Certificate Holder from "Embraer S.A." to
		"Yaborã Indústria Aeronáutica S.A."
lssue 17	27 August 2020	Revised
lssue 18	26 March 2021	Records A19674 and A19675 added
lssue 19	31 January 2022	TC Holder Transfer Update
Issue 20	06 March 2023	Records A19118, A19146, A19704 and A19708 added.
lssue 21	06 September 2023	Records A19713 and A19714 added.
lssue 22	31 March 2025	Added information for ERJ 190-100 IGW with SB 190-25-0270 (full cargo
		configuration)
lssue 23	03 July 2025	Record A19831 added.

-END-

