



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 ECJ	ERJ 190-200 IGW	ERJ 190-300
ERJ 190-100 IGW	ERJ 190-200 LR	ERJ 190-400
ERJ 190-100 LR	ERJ 190-200 STD	
ERJ 190-100 SR		
ERJ 190-100 STD		



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Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-100 ECJ Lineage 1000)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7-B

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

P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A13629	54,500	45,800	92.7	95.6	86.4	89.7	92.5	99.5	-

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company**

Engine Type Designation¹ **CF34-10E5**

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

P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low
loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company**

Engine Type Designation¹ **CF34-10E6**

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

P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19539	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	2

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8514	51,800	44,000	91.4	95.5	85.7	89.4	92.5	99.3	3

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19510	51,800	44,000	91.4	95.5	85.7	89.4	91.8	99.3	2

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19458	50,000	43,000	93.2	95.3	85.0	89.2	92.8	99.2	2

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19543	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	2

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8517	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	3

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5645	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	3

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low
loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic
chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 IGW**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19525	51,800	44,000	92.6	95.5	84.6	89.4	92.5	99.3	2

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19457	50,000	43,000	91.9	95.3	85.9	89.2	92.7	99.2	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN), MTOW reduction)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19507	50,300	43,000	91.4	95.4	84.9	89.3	91.8	99.2	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
A19478	45,000	43,000	91.7	94.9	81.9	89.0	91.8	98.8	4
A19484	44,900	43,000	91.4	94.9	81.7	89.0	91.8	98.8	4
A19480	44,600	43,000	91.7	94.9	81.7	89.0	91.8	98.8	4
A19482	44,000	43,000	91.7	94.9	81.3	89.0	91.8	98.8	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN), MTOW reduction)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

**Block 2, SB 190-00-0058, P/N 341-3001-501 or P/N 341-3001-503
(Reduction of MTOW to 44000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB 190-00-0060,P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 44600 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19105	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB 190-00-0062, P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 45000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19104	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB 190-00-0064, P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19103	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, SB190-00-0056, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN) and Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
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	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	4
A19551	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5292	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19537	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5295	50,300	43,000	91.8	95.4	85.6	89.3	92.4	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low
loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19459	50,000	43,000	93.2	95.3	85.0	89.2	92.7	99.2	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5301	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 LR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company**

Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company**

Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic
chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A13628	45,990	43,000	93.0	95.0	81.7	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19489	45,990	43,000	93.0	95.0	81.5	89.0	91.8	98.9	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 SR**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19529	45,990	43,000	93.0	95.0	81.5	89.0	92.5	98.9	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5303	47,790	43,000	91.6	95.2	84.6	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5646	47,790	43,000	91.7	95.2	85.0	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8522	47,790	43,000	91.1	95.2	83.8	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5288	47,790	43,000	91.9	95.2	84.3	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A1182	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19535	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic
chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8505	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
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	91.8	98.9	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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN), MTOW 43740 kg and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503, Mod SB 190-00-0024 (Improved acoustic chevron nozzle (IACN), MTOW 43740 kg)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503, Mod SB 190-00-0024, DWG 171-12124-801 (Improved acoustic chevron nozzle (IACN), MTOW 43740 kg, Flap 06 Inhibitor)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

**Block 2, SB190-00-0050, P/N 341-3001-501 or P/N 341-3001-503
(Reduction of MTOW to 44000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB190-00-0052, P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 44600 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB190-00-0054, P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 45000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, SB190-00-0056, P/N 341-3001-501 or P/N 341-3001-503 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5 G07**

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

Block 2, SB190-00-0056, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN) and Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5291	47,790	43,000	93.0	95.2	83.7	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company**

Engine Type Designation¹ **CF34-10E5A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹	ERJ 190-100 STD
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1 G07

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19472	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic
chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19546	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8515	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19498	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron
nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A5300	47,790	43,000	93.1	95.2	83.6	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 (Low loss chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19550	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic
chevron nozzle (IACN))**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8519	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19497	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-100 STD**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7 G07**

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

Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19528	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2798	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8526	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

**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** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19577	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 IGW**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 171-22644-001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 IGW**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2801	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8529	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
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Engine Type Designation¹ **CF34-10E5A1**

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

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

Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 IGW**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 171-22644-001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19563	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 IGW**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2804	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8532	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
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Engine Type Designation¹ **CF34-10E6**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19584	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	4

Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2807	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
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Engine Type Designation¹ **CF34-10E6A1**

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

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



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2810	52,290	45,800	93.0	95.5	86.1	89.5	92.9	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8538	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

**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** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 IGW ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2797	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8525	50,790	45,000	91.3	95.4	85.4	89.3	92.5	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **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** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 171-22644-001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19561	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2800	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 and SB 190-00-0076 (Recertification Chapter 4 and MTOM reduction to 48.790 kg)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19704	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

Block 02 (Improved acoustic chevron nozzle), SB 190-00-0076 (MTOM reduction to 48.790 kg)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

P/N 171-22644-001 and SB 190-00-0076 (Recertification Chapter 4 and MTOM reduction to 48.790 kg)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 12	Chapter ¹	4
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19146	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

SB 190-00-0076 (MTOM reduction to 48.790 kg)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19706	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8531	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

**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 ¹	4
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19585	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

Engine intermix (one engine without any modification and one engine with Block 02 (Improved acoustic chevron nozzle))

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19831	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19567	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2806	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8534	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation)	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

**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** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19588	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19570	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 LR**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2809	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8537	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

**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 ¹	4
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19591	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	4

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 LR ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19573	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2795	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E2A1

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8523	48,790	45,000	91.0	95.2	84.5	89.1	92.5	99.1	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E2A1**

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

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



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 171-22644-001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19559	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	4

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2796	48,790	45,000	91.8	95.2	85.4	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	3
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EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8524	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E5**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19580	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	4



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2799	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A8527	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E5A1**

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

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

Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 and
SB 190-00-0038 (Recertification Chapter 4 and MTOM reduction to
46000 kg)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19118	46,000	45,000	92.7	95.0	81.5	89.0	92.5	98.9	-

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E5A1**

**Block 02 (Improved acoustic chevron nozzle), SB 190-00-0038
(MTOM reduction to 46000 kg)**

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

Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E5A1

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2802	48,790	45,000	91.9	95.2	85.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E6**

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

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



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2805	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E6A1

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E6A1**

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

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

Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the
certificated noise levels¹ **P/N 171-22644-001 (Recertification Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-200 STD**
(Commercial Designation **ERJ 195)**

Engine TC Holder **General Electric Company** Engine Type Designation¹ **CF34-10E7**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A2808	48,790	45,000	93.1	95.2	84.2	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

Block 02 (Improved acoustic chevron nozzle)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter¹ **3**

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

¹ See Note 1.



Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
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Engine Type Designation¹ **CF34-10E7**

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

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

Type Certificate Holder ¹	Embraer S.A.	Aircraft Type Designation ¹ (Commercial Designation	ERJ 190-200 STD ERJ 195)
Engine TC Holder	General Electric Company	Engine Type Designation ¹	CF34-10E7

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

P/N 171-22644-001 (Recertification Chapter 4)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **4**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1919G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1919G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1922G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19344	56,400	49,050	86.6	95.8	77.3	89.9	91.4	99.6	-
A19345	56,200	49,050	86.6	95.7	77.2	89.9	91.4	99.6	-
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	91.4	99.5	-
A19350	54,000	49,050	86.7	95.6	76.4	89.7	91.4	99.5	-
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	-

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1922G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1921G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19674	62,000	54,000	86.1	96.1	79.8	90.5	91.7	99.9	-
A19359	61,500	54,000	86.1	96.1	79.6	90.4	91.7	99.9	-
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	59,200	54,000	86.2	95.9	78.7	90.2	91.7	99.8	-
A19365	58,700	54,000	86.2	95.9	78.5	90.1	91.7	99.7	-
A19366	58,200	54,000	86.2	95.9	78.3	90.1	91.7	99.7	-

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1921G**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1921G**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1923G/PW1923G-A**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

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

¹ See Note 1.



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

Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney**

Engine Type Designation¹ **PW1923G/PW1923G-A**

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

None

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19381	57,700	54,000	86.6	95.9	77.7	90.0	91.7	99.7	-
A19382	57,200	54,000	86.6	95.8	77.5	90.0	91.7	99.6	-
A19383	56,700	54,000	86.7	95.8	77.3	89.9	91.7	99.6	-
A19384	56,200	54,000	86.7	95.8	77.1	89.9	91.7	99.6	-
A19385	55,700	54,000	86.7	95.7	76.9	89.8	91.7	99.6	-
A19386	55,200	54,000	86.7	95.7	76.7	89.8	91.7	99.5	-

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine TC Holder **Pratt & Whitney** Engine Type Designation¹ **PW1923G/PW1923G-A**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19714	62,500	54,000	85.9	96.1	79.9	90.5	91.7	100.0	-

¹ See Note 1.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

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
Issue 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
Issue 6	07 November 2007	Revised
Issue 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
Issue 11	13 January 2016	Added LR/STD versions with reduced MTOW
Issue 12	01 March 2018	Added 190-300 E2
Issue 13	03 January 2019	Updated modifications from P/N 341-3001-501 to P/N 341 3001 503
Issue 14	23 April 2019	ERJ190-400 added
Issue 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.”
Issue 17	27 August 2020	Revised
Issue 18	26 March 2021	Records A19674 and A19675 added
Issue 19	31 January 2022	TC Holder Transfer Update
Issue 20	06 March 2023	Records A19118, A19146, A19704 and A19708 added.
Issue 21	06 September 2023	Records A19713 and A19714 added.
Issue 22	31 March 2025	Added information for ERJ 190-100 IGW with SB 190-25-0270 (full cargo configuration)
Issue 23	03 July 2025	Record A19831 added.

-END-

