



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.071

for

Embraer ERJ 190

Type Certificate Holder:

Yaborã Industria Aeronáutica SA

Av. Brig. Faria Lima. 2170

12227-901 São Jose dos Campos SP

Brasil

For models:

ERJ 190-100

ERJ 190-200

ERJ 190-300

ERJ 190-400



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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A5304	LR	50,300	43,000	91.5	95.4	86.0	89.3	92.4	99.2	-
A5303	STD	47,790	43,000	91.6	95.2	84.6	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A5647	LR	50,300	43,000	91.6	95.4	86.4	89.3	92.7	99.2	-
A5646	STD	47,790	43,000	91.7	95.2	85.0	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8522	STD	47,790	43,000	91.1	95.2	83.8	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A5289	LR	50,300	43,000	91.8	95.4	85.6	89.3	92.4	99.2	-
A5648	LR	50,000	43,000	91.8	95.3	85.5	89.2	92.4	99.2	-
A5288	STD	47,790	43,000	91.9	95.2	84.3	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19398	IGW	50,000	43,000	91.9	95.3	85.9	89.2	92.8	99.2	-
A19457	LR	50,000	43,000	91.9	95.3	85.9	89.2	92.7	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A1184	IGW	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	-
A1183	LR	50,300	43,000	91.9	95.4	86.1	89.3	92.7	99.2	-
A10637	LR	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-
A1182	STD	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19532	IGW	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	-
A19533	LR	50,300	43,000	91.9	95.4	86.1	89.3	92.7	99.2	-
A19534	LR	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-
A19535	STD	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8507	IGW	51,800	44,000	91.4	95.5	85.8	89.4	92.5	99.3	-
A8506	LR	50,300	43,000	91.4	95.4	84.9	89.3	92.5	99.2	-
A8508	LR	50,000	43,000	91.4	95.3	84.8	89.2	92.5	99.2	-
A18909	LR	49,990	43,000	91.4	95.3	84.7	89.2	92.5	99.2	-
A18911	IGW	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A10638	LR	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A8505	STD	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A18910	LR	44,900	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19512	IGW	51,800	44,000	91.4	95.5	85.8	89.4	91.8	99.3	-
A19507	LR	50,300	43,000	91.4	95.4	84.9	89.3	91.8	99.2	-
A19487	IGW	50,000	44,000	91.4	95.3	84.8	89.2	91.8	99.2	-
A19503	LR	50,000	43,000	91.4	95.3	84.8	89.2	91.8	99.2	-
A19485	LR	49,990	43,000	91.4	95.3	84.7	89.2	91.8	99.2	-
A19483	IGW	47,790	44,000	91.6	95.2	83.4	89.0	91.8	99.0	-
A19496	LR	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	-
A19501	STD	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	-
A19474	STD	46,000	43,000	91.6	95.0	82.4	89.0	91.8	98.9	-
A19475	LR	46,000	43,000	91.6	95.0	82.4	89.0	91.8	98.9	-

¹ See Note 1.

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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19477	STD	45,000	43,000	91.7	94.9	81.9	89.0	91.8	98.8	-
A19478	LR	45,000	43,000	91.7	94.9	81.9	89.0	91.8	98.8	-
A19484	LR	44,900	43,000	91.4	94.9	81.7	89.0	91.8	98.8	-
A19479	STD	44,600	43,000	91.7	94.9	81.7	89.0	91.8	98.8	-
A19480	LR	44,600	43,000	91.7	94.9	81.7	89.0	91.8	98.8	-
A19481	STD	44,000	43,000	91.7	94.9	81.3	89.0	91.8	98.8	-
A19482	LR	44,000	43,000	91.7	94.9	81.3	89.0	91.8	98.8	-
A19486	STD	43,740	43,000	91.7	94.8	81.1	89.0	91.8	98.7	-

¹ See Note 1.



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Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19460	IGW	51,800	44,000	91.4	95.5	85.8	89.4	92.5	99.3	-
A19461	LR	50,300	43,000	91.4	95.4	84.9	89.3	92.5	99.2	-
A19521	IGW	50,000	44,000	91.4	95.3	84.8	89.2	92.5	99.2	-
A19462	LR	50,000	43,000	91.4	95.3	84.8	89.2	92.5	99.2	-
A19464	LR	49,990	43,000	91.4	95.3	84.7	89.2	92.5	99.2	-
A19465	IGW	47,790	44,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A19466	LR	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A19467	STD	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19530	STD	43,740	43,000	91.7	94.8	81.1	89.0	92.5	98.7	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19531	LR	44,900	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A17224	STD	43,740	43,000	91.7	94.8	81.1	89.0	92.5	98.7	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A17225	STD	43,740	43,000	91.7	94.8	81.1	89.0	91.8	98.7	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19106	LR	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19105	LR	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19104	LR	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19103	LR	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19114	STD	44,000	43,000	91.0	94.9	81.3	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19113	STD	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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**

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Chapter¹ **3**

EASA Record No.	Variant	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	
A19112	STD	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A19111	STD	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19557	LR	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-
A19558	STD	46,000	43,000	91.6	95.0	82.4	89.0	92.5	98.9	-
A19555	LR	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-
A19556	STD	45,000	43,000	91.7	94.9	81.9	89.0	92.5	98.8	-
A19553	LR	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-
A19554	STD	44,600	43,000	91.7	94.9	81.7	89.0	92.5	98.8	-
A19551	LR	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	-
A19552	STD	44,000	43,000	91.7	94.9	81.3	89.0	92.5	98.8	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A5292	LR	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-
A5291	STD	47,790	43,000	93.0	95.2	83.7	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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**

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3

EASA Record No.	Variant	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	
A1187	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A1186	LR	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	-
A10639	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A1185	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001
(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.	Variant	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	
A19536	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A19537	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A19538	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8511	IGW	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	-
A8510	LR	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A10640	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A8509	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A13627	SR	45,990	43,000	93.0	95.0	81.4	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

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

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Chapter¹

4

EASA Record No.	Variant	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	
A19511	IGW	51,800	44,000	92.6	95.5	84.5	89.4	91.8	99.3	-
A19505	LR	50,300	43,000	92.6	95.4	83.6	89.3	91.8	99.2	-
A19506	SR	50,300	43,000	92.6	95.4	83.6	89.3	91.8	99.2	-
A19476	SR	49,990	43,000	92.6	95.3	83.6	89.2	91.8	99.2	-
A19495	LR	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-
A19500	STD	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-
A19491	IGW	46,000	44,000	92.8	95.0	81.5	89.0	91.8	98.9	-
A19490	SR	45,990	43,000	93.0	95.0	81.4	89.0	91.8	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19468	IGW	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	-
A19469	LR	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A19414	SR	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A19463	SR	49,990	43,000	92.6	95.3	83.6	89.2	92.5	99.2	-
A19470	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A19472	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A19471	IGW	46,000	43,000	92.8	95.0	81.5	89.0	92.5	98.9	-
A19473	SR	45,990	43,000	93.0	95.0	81.4	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A5295	LR	50,300	43,000	91.8	95.4	85.6	89.3	92.4	99.2	-
A5294	STD	47,790	43,000	92.0	95.2	84.3	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A1190	IGW	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	-
A1189	LR	50,300	43,000	92.0	95.4	86.0	89.3	92.7	99.2	-
A10641	LR	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-
A1188	STD	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19539	IGW	51,800	44,000	91.9	95.5	86.9	89.4	92.8	99.3	-
A19540	LR	50,300	43,000	92.0	95.4	86.0	89.3	92.7	99.2	-
A19541	LR	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-
A19542	STD	47,790	43,000	92.1	95.2	84.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8514	IGW	51,800	44,000	91.4	95.5	85.7	89.4	92.5	99.3	-
A8513	LR	50,300	43,000	91.5	95.4	84.8	89.3	92.5	99.2	-
A10642	LR	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A8512	STD	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19510	IGW	51,800	44,000	91.4	95.5	85.7	89.4	91.8	99.3	-
A19504	LR	50,300	43,000	91.5	95.4	84.8	89.3	91.8	99.2	-
A19494	LR	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	-
A19499	STD	47,790	43,000	91.6	95.2	83.4	89.0	91.8	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)

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

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4

EASA Record No.	Variant	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	
A19513	IGW	51,800	44,000	91.4	95.5	85.7	89.4	92.5	99.3	-
A19515	LR	50,300	43,000	91.5	95.4	84.8	89.3	92.5	99.2	-
A19516	LR	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-
A19517	STD	47,790	43,000	91.6	95.2	83.4	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A5298	LR	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-
A5649	LR	50,000	43,000	92.9	95.3	84.5	89.2	92.4	99.2	-
A5297	STD	47,790	43,000	93.0	95.2	83.7	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19458	IGW	50,000	43,000	93.2	95.3	85.0	89.2	92.8	99.2	-
A19459	LR	50,000	43,000	93.2	95.3	85.0	89.2	92.7	99.2	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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.	Variant	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	
A1193	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A1192	LR	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	-
A10643	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A1191	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (Low loss chevron nozzle and recertification Chapter 4)

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

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4

EASA Record No.	Variant	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	
A19543	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A19544	LR	50,300	43,000	93.1	95.4	85.1	89.3	92.7	99.2	-
A19545	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A19546	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8517	IGW	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	-
A8516	LR	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A8518	LR	50,000	43,000	92.6	95.3	83.6	89.2	92.5	99.2	-
A10644	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A8515	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19509	IGW	51,800	44,000	92.6	95.5	84.5	89.4	91.8	99.3	-
A19488	IGW	50,000	44,000	92.6	95.3	83.6	89.2	91.8	99.2	-
A19502	LR	50,000	43,000	92.6	95.3	83.6	89.2	91.8	99.2	-
A19493	LR	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-
A19498	STD	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19518	IGW	51,800	44,000	92.6	95.5	84.5	89.4	92.5	99.3	-
A19519	LR	50,300	43,000	92.6	95.4	83.6	89.3	92.5	99.2	-
A19520	IGW	50,000	44,000	92.6	95.3	83.6	89.2	92.5	99.2	-
A19522	LR	50,000	43,000	92.6	95.3	83.6	89.2	92.5	99.2	-
A19523	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A19524	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A5301	LR	50,300	43,000	92.9	95.4	84.6	89.3	92.4	99.2	-
A5300	STD	47,790	43,000	93.1	95.2	83.6	89.0	92.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A5645	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A5644	LR	50,300	43,000	93.2	95.4	85.1	89.3	92.7	99.2	-
A10645	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A5643	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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 171-22644-0001 (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.	Variant	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	
A19547	IGW	51,800	44,000	93.1	95.5	86.1	89.4	92.8	99.3	-
A19548	LR	50,300	43,000	93.2	95.4	85.1	89.3	92.7	99.2	-
A19549	LR	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-
A19550	STD	47,790	43,000	93.3	95.2	83.7	89.0	92.7	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric** 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.	Variant	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	
A8521	IGW	51,800	44,000	92.6	95.5	84.6	89.4	92.5	99.3	-
A8520	LR	50,300	43,000	92.6	95.4	83.7	89.3	92.5	99.2	-
A10646	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A8519	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A13628	SR	45,990	43,000	93.0	95.0	81.7	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)

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

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EASA Record No.	Variant	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	
A19508	IGW	51,800	44,000	92.6	95.5	84.6	89.4	91.8	99.3	-
A19492	LR	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-
A19497	STD	47,790	43,000	92.8	95.2	82.5	89.0	91.8	99.0	-
A19489	SR	45,990	43,000	93.0	95.0	81.5	89.0	91.8	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-100**

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (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.	Variant	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	
A19525	IGW	51,800	44,000	92.6	95.5	84.6	89.4	92.5	99.3	-
A19526	LR	50,300	43,000	92.6	95.4	83.7	89.3	92.5	99.2	-
A19527	LR	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A19528	STD	47,790	43,000	92.8	95.2	82.5	89.0	92.5	99.0	-
A19529	SR	45,990	43,000	93.0	95.0	81.5	89.0	92.5	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-100**
(Commercial Designation **Lineage 1000)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E7-B**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A13629	ECJ	54,500	45,800	92.7	95.6	86.4	89.7	92.5	99.5	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8523	STD	48,790	45,000	91.0	95.2	84.5	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
 (Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-0001 (Recertification Chapter 4)**

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

EASA Record No.	Variant	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	
A19576	STD	48,790	45,000	91.0	95.2	84.5	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E2A1**

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

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

EASA Record No.	Variant	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	
A2795	STD	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E2A1**

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

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

EASA Record No.	Variant	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	
A19559	STD	48,790	45,000	91.5	95.2	85.7	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8526	IGW	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	-
A8525	LR	50,790	45,000	91.3	95.4	85.4	89.3	92.5	99.2	-
A8524	STD	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-0001 (Recertification Chapter 4)**

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

EASA Record No.	Variant	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	
A19577	IGW	52,290	45,800	91.3	95.5	86.4	89.5	92.6	99.3	-
A19579	LR	50,790	45,000	91.3	95.4	85.4	89.3	92.5	99.2	-
A19578	LR	50,490	45,000	91.3	95.4	85.1	89.3	92.5	99.2	-
A19580	STD	48,790	45,000	91.3	95.2	84.1	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5**

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

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

EASA Record No.	Variant	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	
A2798	IGW	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-
A2797	LR	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-
A2796	STD	48,790	45,000	91.8	95.2	85.4	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5**

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

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

EASA Record No.	Variant	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	
A19560	IGW	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-
A19561	LR	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-
A19562	STD	48,790	45,000	91.8	95.2	85.4	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8529	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A8528	LR	50,790	45,000	92.5	95.4	84.1	89.3	92.5	99.2	-
A8527	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA**

Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric**

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 171-22644-0001 (Recertification Chapter 4)

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

EASA Record No.	Variant	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	
A19581	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A19582	LR	50,790	45,000	92.5	95.4	84.1	89.3	92.5	99.2	-
A19583	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-
A19575	IGW	47,500	45,800	92.6	95.1	82.3	89.0	92.6	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5A1**

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

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

EASA Record No.	Variant	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	
A2801	IGW	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-
A2800	LR	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-
A2799	STD	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E5A1**

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

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

EASA Record No.	Variant	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	
A19563	IGW	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-
A19564	LR	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-
A19565	STD	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8532	IGW	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	-
A8531	LR	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	-
A8530	STD	48,790	45,000	91.4	95.2	84.1	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-0001 (Recertification Chapter 4)**

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

EASA Record No.	Variant	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	
A19584	IGW	52,290	45,800	91.2	95.5	86.4	89.5	92.6	99.3	-
A19585	LR	50,790	45,000	91.3	95.4	85.3	89.3	92.5	99.2	-
A19586	STD	48,790	45,000	91.4	95.2	84.1	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6**

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

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

EASA Record No.	Variant	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	
A2804	IGW	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-
A2803	LR	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-
A2802	STD	48,790	45,000	91.9	95.2	85.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6**

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

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

EASA Record No.	Variant	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	
A19566	IGW	52,290	45,800	91.7	95.5	87.4	89.5	92.9	99.3	-
A19567	LR	50,790	45,000	91.8	95.4	86.5	89.3	92.8	99.2	-
A19568	STD	48,790	45,000	91.9	95.2	85.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8535	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A8534	LR	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-
A8533	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-0001 (Recertification Chapter 4)**

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

EASA Record No.	Variant	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	
A19587	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A19588	LR	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-
A19589	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6A1**

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

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

EASA Record No.	Variant	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	
A2807	IGW	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-
A2806	LR	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-
A2805	STD	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E6A1**

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

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

EASA Record No.	Variant	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	
A19569	IGW	52,290	45,800	92.9	95.5	86.2	89.5	92.9	99.3	-
A19570	LR	50,790	45,000	93.0	95.4	85.4	89.3	92.8	99.2	-
A19571	STD	48,790	45,000	93.1	95.2	84.3	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified 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.	Variant	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	
A8538	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A8537	LR	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-
A8536	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-0001 (Recertification Chapter 4)**

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

EASA Record No.	Variant	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	
A19590	IGW	52,290	45,800	92.4	95.5	84.9	89.5	92.6	99.3	-
A19591	LR	50,790	45,000	92.5	95.4	84.0	89.3	92.5	99.2	-
A19592	STD	48,790	45,000	92.6	95.2	83.0	89.1	92.5	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E7**

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

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

EASA Record No.	Variant	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	
A2810	IGW	52,290	45,800	93.0	95.5	86.1	89.5	92.9	99.3	-
A2809	LR	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	-
A2808	STD	48,790	45,000	93.1	95.2	84.2	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-200**
(Commercial Designation **ERJ 195)**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-10E7**

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

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

EASA Record No.	Variant	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	
A19572	IGW	52,290	45,800	93.0	95.5	86.1	89.5	92.9	99.3	-
A19573	LR	50,790	45,000	93.1	95.4	85.2	89.3	92.8	99.2	-
A19574	STD	48,790	45,000	93.1	95.2	84.2	89.1	92.8	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2)**

Engine Manufacturer¹ **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.	Variant	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.

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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2)**

Engine Manufacturer¹ **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.	Variant	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 **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2)**

Engine Manufacturer¹ **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.	Variant	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.

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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-300**
(Commercial Designation **190-E2)**

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW1922G**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

EASA Record No.	Variant	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 **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2)**

Engine Manufacturer¹ **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.	Variant	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.

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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2)**

Engine Manufacturer¹ **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.	Variant	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 **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2)**

Engine Manufacturer¹ **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.	Variant	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	86.1	96.1	79.8	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	90.3	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	90.2	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.

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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 190-400**
(Commercial Designation **E195-E2**)

Engine Manufacturer¹ **Pratt & Whitney** Engine Type Designation¹ **PW1923G/PW1923G-A**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** Chapter¹ **14**

EASA Record No.	Variant	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	90.1	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	90.0	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	89.9	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.



CS-36 Amendment level

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5

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.



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

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