

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

Embraer ERJ 190

**Type Certificate Holder:
Embraer**

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

For models : ERJ 190-100 STD
ERJ 190-200 LR
ERJ 190-100 IGW
ERJ 190-100 ECJ
ERJ 190-100 SR
ERJ 190-200 STD
ERJ 190-200 LR
ERJ 190-200 IGW

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Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E2A1**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **P/N 341-3501-501 (Low loss chevron nozzle)**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E2A1 G07**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8522	STD	47.790	43.000	91,1	95,2	83,8	89,0	92,5	99,0

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5290	IGW	51.800	44.000	91,7	95,5	86,4	89,4	92,4	99,3
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer**

Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric**

Engine Type Designation* **CF34-10E5 G07**

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

Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5A1**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5293	IGW	51.800	44.000	92,8	95,5	85,4	89,4	92,4	99,3
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5A1 G07**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5296	IGW	51.800	44.000	91,8	95,5	86,3	89,4	92,4	99,3
A6637	ECJ	51.800	44.000	91,8	95,5	86,3	89,4	92,4	99,3
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer**

Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric**

Engine Type Designation* **CF34-10E6 G07**

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

Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer**

Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric**

Engine Type Designation* **CF34-10E6A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5299	IGW	51.800	44.000	92,8	95,5	85,4	89,4	92,4	99,3
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6A1 G07**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **3**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E7**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A5302	IGW	51.800	44.000	92,9	95,5	85,4	89,4	92,4	99,3
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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E7**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer**

Aircraft Type Designation* **ERJ 190-100**

Engine Manufacturer* **General Electric**

Engine Type Designation* **CF34-10E7 G07**

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

Block 2, P/N 341-3001-501 (Improved acoustic chevron nozzle (IACN))

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-100**
(Commercial Designation) **Lineage 1000)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E7-B**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A13629	ECJ	54.500	45.800	92,7	95,6	86,4	89,7	92,5	99,5

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E2A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A2795	STD	48.790	45.000	91,5	95,2	85,7	89,1	92,8	99,1

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E2A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	Limit
A8523	STD	48.790	45.000	91,0	95,2	84,5	89,1	92,5	99,1

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E5A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E6A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E7**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* Items so marked shall be included on EASA Form 45.

Type Certificate Holder* **Embraer** Aircraft Type Designation* **ERJ 190-200**
(Commercial Designation **ERJ 195**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-10E7**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL	
		Take-off* (kg)	Landing* (kg)	Level*	Limit	Level*	Limit	Level*	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

* 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	24 May 2011	Record A13629 added.