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## TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.IM.A.071**

**for**

**ERJ 190**

**Type Certificate Holder:**

**Embraer S.A.**

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

For models:

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



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Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-100 ECJ</b> <b>Lineage 1000)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E7-B</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 IGW**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A5289	<b>50,300</b>	<b>43,000</b>	<b>91.8</b>	<b>95.4</b>	<b>85.6</b>	<b>89.3</b>	<b>92.4</b>	<b>99.2</b>	-
A5648	<b>50,000</b>	<b>43,000</b>	<b>91.8</b>	<b>95.3</b>	<b>85.5</b>	<b>89.2</b>	<b>92.4</b>	<b>99.2</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19457	<b>50,000</b>	<b>43,000</b>	<b>91.9</b>	<b>95.3</b>	<b>85.9</b>	<b>89.2</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A1183	<b>50,300</b>	<b>43,000</b>	<b>91.9</b>	<b>95.4</b>	<b>86.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	-
A10637	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19533	<b>50,300</b>	<b>43,000</b>	<b>91.9</b>	<b>95.4</b>	<b>86.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>
A19534	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19507	<b>50,300</b>	<b>43,000</b>	<b>91.4</b>	<b>95.4</b>	<b>84.9</b>	<b>89.3</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19503	<b>50,000</b>	<b>43,000</b>	<b>91.4</b>	<b>95.3</b>	<b>84.8</b>	<b>89.2</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19485	<b>49,990</b>	<b>43,000</b>	<b>91.4</b>	<b>95.3</b>	<b>84.7</b>	<b>89.2</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19496	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>
A19475	<b>46,000</b>	<b>43,000</b>	<b>91.6</b>	<b>95.0</b>	<b>82.4</b>	<b>89.0</b>	<b>91.8</b>	<b>98.9</b>	<b>2</b>
A19478	<b>45,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.9</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19484	<b>44,900</b>	<b>43,000</b>	<b>91.4</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19480	<b>44,600</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19482	<b>44,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.3</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19461	<b>50,300</b>	<b>43,000</b>	<b>91.4</b>	<b>95.4</b>	<b>84.9</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19462	<b>50,000</b>	<b>43,000</b>	<b>91.4</b>	<b>95.3</b>	<b>84.8</b>	<b>89.2</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19464	<b>49,990</b>	<b>43,000</b>	<b>91.4</b>	<b>95.3</b>	<b>84.7</b>	<b>89.2</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19466	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN), MTOW reduction)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19531	<b>44,900</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

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

**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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

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

**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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

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

**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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

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

**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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, SB190-00-0056, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN) and Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19557	<b>46,000</b>	<b>43,000</b>	<b>91.6</b>	<b>95.0</b>	<b>82.4</b>	<b>89.0</b>	<b>92.5</b>	<b>98.9</b>	<b>2</b>
A19555	<b>45,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.9</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>
A19553	<b>44,600</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>
A19551	<b>44,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.3</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19537	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8510	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-
A10640	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19505	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19495	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19469	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19470	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A1189	<b>50,300</b>	<b>43,000</b>	<b>92.0</b>	<b>95.4</b>	<b>86.0</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	-
A10641	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19540	<b>50,300</b>	<b>43,000</b>	<b>92.0</b>	<b>95.4</b>	<b>86.0</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>
A19541	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 LR</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E6 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8513	<b>50,300</b>	<b>43,000</b>	<b>91.5</b>	<b>95.4</b>	<b>84.8</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-
A10642	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	-

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19504	<b>50,300</b>	<b>43,000</b>	<b>91.5</b>	<b>95.4</b>	<b>84.8</b>	<b>89.3</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19494	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19515	<b>50,300</b>	<b>43,000</b>	<b>91.5</b>	<b>95.4</b>	<b>84.8</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19516	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A5298	<b>50,300</b>	<b>43,000</b>	<b>92.9</b>	<b>95.4</b>	<b>84.6</b>	<b>89.3</b>	<b>92.4</b>	<b>99.2</b>	-
A5649	<b>50,000</b>	<b>43,000</b>	<b>92.9</b>	<b>95.3</b>	<b>84.5</b>	<b>89.2</b>	<b>92.4</b>	<b>99.2</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 and P/N 171-22644-001 (Low Loss Chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19459	<b>50,000</b>	<b>43,000</b>	<b>93.2</b>	<b>95.3</b>	<b>85.0</b>	<b>89.2</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A1192	<b>50,300</b>	<b>43,000</b>	<b>93.1</b>	<b>95.4</b>	<b>85.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	-
A10643	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19544	<b>50,300</b>	<b>43,000</b>	<b>93.1</b>	<b>95.4</b>	<b>85.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>
A19545	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8516	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-
A8518	<b>50,000</b>	<b>43,000</b>	<b>92.6</b>	<b>95.3</b>	<b>83.6</b>	<b>89.2</b>	<b>92.5</b>	<b>99.2</b>	-
A10644	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19502	<b>50,000</b>	<b>43,000</b>	<b>92.6</b>	<b>95.3</b>	<b>83.6</b>	<b>89.2</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19493	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19519	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19522	<b>50,000</b>	<b>43,000</b>	<b>92.6</b>	<b>95.3</b>	<b>83.6</b>	<b>89.2</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19523	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A5644	<b>50,300</b>	<b>43,000</b>	<b>93.2</b>	<b>95.4</b>	<b>85.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	-
A10645	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19548	<b>50,300</b>	<b>43,000</b>	<b>93.2</b>	<b>95.4</b>	<b>85.1</b>	<b>89.3</b>	<b>92.7</b>	<b>99.2</b>	<b>2</b>
A19549	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19492	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 LR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19526	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.7</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19527	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19506	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19476	<b>49,990</b>	<b>43,000</b>	<b>92.6</b>	<b>95.3</b>	<b>83.6</b>	<b>89.2</b>	<b>91.8</b>	<b>99.2</b>	<b>2</b>
A19490	<b>45,990</b>	<b>43,000</b>	<b>93.0</b>	<b>95.0</b>	<b>81.4</b>	<b>89.0</b>	<b>91.8</b>	<b>98.9</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19414	<b>50,300</b>	<b>43,000</b>	<b>92.6</b>	<b>95.4</b>	<b>83.6</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19463	<b>49,990</b>	<b>43,000</b>	<b>92.6</b>	<b>95.3</b>	<b>83.6</b>	<b>89.2</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19473	<b>45,990</b>	<b>43,000</b>	<b>93.0</b>	<b>95.0</b>	<b>81.4</b>	<b>89.0</b>	<b>92.5</b>	<b>98.9</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) & Flap 06 inhibitor and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19489	<b>45,990</b>	<b>43,000</b>	<b>93.0</b>	<b>95.0</b>	<b>81.5</b>	<b>89.0</b>	<b>91.8</b>	<b>98.9</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 SR**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19529	<b>45,990</b>	<b>43,000</b>	<b>93.0</b>	<b>95.0</b>	<b>81.5</b>	<b>89.0</b>	<b>92.5</b>	<b>98.9</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19535	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) &amp; Flap 06 inhibitor and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19501	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>
A19474	<b>46,000</b>	<b>43,000</b>	<b>91.6</b>	<b>95.0</b>	<b>82.4</b>	<b>89.0</b>	<b>91.8</b>	<b>98.9</b>	<b>2</b>
A19477	<b>45,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.9</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19479	<b>44,600</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19481	<b>44,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.3</b>	<b>89.0</b>	<b>91.8</b>	<b>98.8</b>	<b>2</b>
A19486	<b>43,740</b>	<b>43,000</b>	<b>91.7</b>	<b>94.8</b>	<b>81.1</b>	<b>89.0</b>	<b>91.8</b>	<b>98.7</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19467	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN), MTOW 43740 kg and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19530	<b>43,740</b>	<b>43,000</b>	<b>91.7</b>	<b>94.8</b>	<b>81.1</b>	<b>89.0</b>	<b>92.5</b>	<b>98.7</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>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)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>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))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>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))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>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))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>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))</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b>
		Chapter <sup>1</sup>	<b>3</b>

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, SB190-00-0056, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Reduction of MTOW to 46000 kg, Improved acoustic chevron nozzle (IACN) and Recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19558	<b>46,000</b>	<b>43,000</b>	<b>91.6</b>	<b>95.0</b>	<b>82.4</b>	<b>89.0</b>	<b>92.5</b>	<b>98.9</b>	<b>2</b>
A19556	<b>45,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.9</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>
A19554	<b>44,600</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.7</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>
A19552	<b>44,000</b>	<b>43,000</b>	<b>91.7</b>	<b>94.9</b>	<b>81.3</b>	<b>89.0</b>	<b>92.5</b>	<b>98.8</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19538	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19500	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19472	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19542	<b>47,790</b>	<b>43,000</b>	<b>92.1</b>	<b>95.2</b>	<b>84.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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





Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E6 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) &amp; Flap 06 inhibitor and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19499	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E6 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19517	<b>47,790</b>	<b>43,000</b>	<b>91.6</b>	<b>95.2</b>	<b>83.4</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19546	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **Block 2, P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19498	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1 G07**

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

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

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19524	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3001-501 or P/N 341-3001-503 (Improved acoustic chevron nozzle (IACN))**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 (Low loss chevron nozzle and recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19550	<b>47,790</b>	<b>43,000</b>	<b>93.3</b>	<b>95.2</b>	<b>83.7</b>	<b>89.0</b>	<b>92.7</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-100 STD**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7 G07**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **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**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E7 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) &amp; Flap 06 inhibitor and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19497	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>91.8</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup>	<b>ERJ 190-100 STD</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E7 G07</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 2, P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 (Improved acoustic chevron nozzle (IACN) and recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19528	<b>47,790</b>	<b>43,000</b>	<b>92.8</b>	<b>95.2</b>	<b>82.5</b>	<b>89.0</b>	<b>92.5</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8526	<b>52,290</b>	<b>45,800</b>	<b>91.3</b>	<b>95.5</b>	<b>86.4</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19577	<b>52,290</b>	<b>45,800</b>	<b>91.3</b>	<b>95.5</b>	<b>86.4</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19560	<b>52,290</b>	<b>45,800</b>	<b>91.7</b>	<b>95.5</b>	<b>87.4</b>	<b>89.5</b>	<b>92.9</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19581	<b>52,290</b>	<b>45,800</b>	<b>92.4</b>	<b>95.5</b>	<b>84.9</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	<b>2</b>
A19575	<b>47,500</b>	<b>45,800</b>	<b>92.6</b>	<b>95.1</b>	<b>82.3</b>	<b>89.0</b>	<b>92.6</b>	<b>99.0</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19563	<b>52,290</b>	<b>45,800</b>	<b>92.9</b>	<b>95.5</b>	<b>86.2</b>	<b>89.5</b>	<b>92.9</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19584	<b>52,290</b>	<b>45,800</b>	<b>91.2</b>	<b>95.5</b>	<b>86.4</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19566	<b>52,290</b>	<b>45,800</b>	<b>91.7</b>	<b>95.5</b>	<b>87.4</b>	<b>89.5</b>	<b>92.9</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19587	<b>52,290</b>	<b>45,800</b>	<b>92.4</b>	<b>95.5</b>	<b>84.9</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19569	<b>52,290</b>	<b>45,800</b>	<b>92.9</b>	<b>95.5</b>	<b>86.2</b>	<b>89.5</b>	<b>92.9</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19590	<b>52,290</b>	<b>45,800</b>	<b>92.4</b>	<b>95.5</b>	<b>84.9</b>	<b>89.5</b>	<b>92.6</b>	<b>99.3</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 IGW**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19572	<b>52,290</b>	<b>45,800</b>	<b>93.0</b>	<b>95.5</b>	<b>86.1</b>	<b>89.5</b>	<b>92.9</b>	<b>99.3</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8525	<b>50,790</b>	<b>45,000</b>	<b>91.3</b>	<b>95.4</b>	<b>85.4</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19579	<b>50,790</b>	<b>45,000</b>	<b>91.3</b>	<b>95.4</b>	<b>85.4</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>
A19578	<b>50,490</b>	<b>45,000</b>	<b>91.3</b>	<b>95.4</b>	<b>85.1</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19561	<b>50,790</b>	<b>45,000</b>	<b>91.8</b>	<b>95.4</b>	<b>86.5</b>	<b>89.3</b>	<b>92.8</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19582	<b>50,790</b>	<b>45,000</b>	<b>92.5</b>	<b>95.4</b>	<b>84.1</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 and SB 190-00-0076 (Recertification Chapter 4 and MTOM reduction to 48.790 kg)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19704	<b>48,790</b>	<b>45,000</b>	<b>92.6</b>	<b>95.2</b>	<b>83.0</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 LR</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5A1</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), SB 190-00-0076 (MTOM reduction to 48.790 kg)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19564	<b>50,790</b>	<b>45,000</b>	<b>93.0</b>	<b>95.4</b>	<b>85.4</b>	<b>89.3</b>	<b>92.8</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 and SB 190-00-0076 (Recertification Chapter 4 and MTOM reduction to 48.790 kg)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19146	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.3</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **SB 190-00-0076 (MTOM reduction to 48.790 kg)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8531	<b>50,790</b>	<b>45,000</b>	<b>91.3</b>	<b>95.4</b>	<b>85.3</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
 (Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19585	<b>50,790</b>	<b>45,000</b>	<b>91.3</b>	<b>95.4</b>	<b>85.3</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19567	<b>50,790</b>	<b>45,000</b>	<b>91.8</b>	<b>95.4</b>	<b>86.5</b>	<b>89.3</b>	<b>92.8</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19588	<b>50,790</b>	<b>45,000</b>	<b>92.5</b>	<b>95.4</b>	<b>84.0</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19570	<b>50,790</b>	<b>45,000</b>	<b>93.0</b>	<b>95.4</b>	<b>85.4</b>	<b>89.3</b>	<b>92.8</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8537	<b>50,790</b>	<b>45,000</b>	<b>92.5</b>	<b>95.4</b>	<b>84.0</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	-

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 LR</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E7</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19591	<b>50,790</b>	<b>45,000</b>	<b>92.5</b>	<b>95.4</b>	<b>84.0</b>	<b>89.3</b>	<b>92.5</b>	<b>99.2</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 LR**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19573	<b>50,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.4</b>	<b>85.2</b>	<b>89.3</b>	<b>92.8</b>	<b>99.2</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8523	<b>48,790</b>	<b>45,000</b>	<b>91.0</b>	<b>95.2</b>	<b>84.5</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	-

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E2A1</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19576	<b>48,790</b>	<b>45,000</b>	<b>91.0</b>	<b>95.2</b>	<b>84.5</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E2A1</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>None</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b>
		Chapter <sup>1</sup>	<b>3</b>

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E2A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19559	<b>48,790</b>	<b>45,000</b>	<b>91.5</b>	<b>95.2</b>	<b>85.7</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
 (Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19580	<b>48,790</b>	<b>45,000</b>	<b>91.3</b>	<b>95.2</b>	<b>84.1</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A2796	<b>48,790</b>	<b>45,000</b>	<b>91.8</b>	<b>95.2</b>	<b>85.4</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19562	<b>48,790</b>	<b>45,000</b>	<b>91.8</b>	<b>95.2</b>	<b>85.4</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A8527	<b>48,790</b>	<b>45,000</b>	<b>92.6</b>	<b>95.2</b>	<b>83.0</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
 (Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19583	<b>48,790</b>	<b>45,000</b>	<b>92.6</b>	<b>95.2</b>	<b>83.0</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5A1</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 and SB 190-00-0038 (Recertification Chapter 4 and MTOM reduction to 46000 kg)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19118	<b>46,000</b>	<b>45,000</b>	<b>92.7</b>	<b>95.0</b>	<b>81.5</b>	<b>89.0</b>	<b>92.5</b>	<b>98.9</b>	-

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E5A1</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), SB 190-00-0038 (MTOM reduction to 46000 kg)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 3 / Amendment 7</b> Chapter <sup>1</sup> <b>3</b>

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19565	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.3</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E6</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19586	<b>48,790</b>	<b>45,000</b>	<b>91.4</b>	<b>95.2</b>	<b>84.1</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19568	<b>48,790</b>	<b>45,000</b>	<b>91.9</b>	<b>95.2</b>	<b>85.3</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19589	<b>48,790</b>	<b>45,000</b>	<b>92.6</b>	<b>95.2</b>	<b>83.0</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A2805	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.3</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E6A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19571	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.3</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195**)

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **Block 02 (Improved acoustic chevron nozzle)**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

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

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



Type Certificate Holder <sup>1</sup>	<b>Embraer S.A.</b>	Aircraft Type Designation <sup>1</sup> (Commercial Designation)	<b>ERJ 190-200 STD</b> <b>ERJ 195)</b>
Engine Manufacturer <sup>1</sup>	<b>General Electric Company</b>	Engine Type Designation <sup>1</sup>	<b>CF34-10E7</b>
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup>		<b>Block 02 (Improved acoustic chevron nozzle), P/N 171-22644-001 (Recertification Chapter 4)</b>	
Noise Certification Basis	<b>ICAO Annex 16, Volume I</b>	Edition / Amendment	<b>Edition 8 / Amendment 12</b> Chapter <sup>1</sup> <b>4</b>

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19592	<b>48,790</b>	<b>45,000</b>	<b>92.6</b>	<b>95.2</b>	<b>83.0</b>	<b>89.1</b>	<b>92.5</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 3 / Amendment 7**      Chapter<sup>1</sup>      **3**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A2808	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.2</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-200 STD**  
(Commercial Designation      **ERJ 195)**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CF34-10E7**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **P/N 171-22644-001 (Recertification Chapter 4)**

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

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19574	<b>48,790</b>	<b>45,000</b>	<b>93.1</b>	<b>95.2</b>	<b>84.2</b>	<b>89.1</b>	<b>92.8</b>	<b>99.1</b>	<b>2</b>

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-300**  
(Commercial Designation      **190-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1919G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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

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Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-300**  
(Commercial Designation      **190-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1919G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-300**  
(Commercial Designation      **190-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1922G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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

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Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-300**  
(Commercial Designation      **190-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1922G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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





Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1921G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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

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Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1921G**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1921G**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

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

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1923G/PW1923G-A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19675	<b>62,000</b>	<b>54,000</b>	<b>86.4</b>	<b>96.1</b>	<b>79.4</b>	<b>90.5</b>	<b>91.7</b>	<b>99.9</b>	-
A19373	<b>61,500</b>	<b>54,000</b>	<b>86.4</b>	<b>96.1</b>	<b>79.2</b>	<b>90.4</b>	<b>91.7</b>	<b>99.9</b>	-
A19374	<b>61,200</b>	<b>54,000</b>	<b>86.4</b>	<b>96.1</b>	<b>79.1</b>	<b>90.4</b>	<b>91.7</b>	<b>99.9</b>	-
A19375	<b>60,700</b>	<b>54,000</b>	<b>86.5</b>	<b>96.0</b>	<b>78.9</b>	<b>90.3</b>	<b>91.7</b>	<b>99.8</b>	-
A19376	<b>60,200</b>	<b>54,000</b>	<b>86.5</b>	<b>96.0</b>	<b>78.7</b>	<b>90.3</b>	<b>91.7</b>	<b>99.8</b>	-
A19377	<b>59,700</b>	<b>54,000</b>	<b>86.5</b>	<b>96.0</b>	<b>78.5</b>	<b>90.2</b>	<b>91.7</b>	<b>99.8</b>	-
A19378	<b>59,200</b>	<b>54,000</b>	<b>86.5</b>	<b>96.0</b>	<b>78.3</b>	<b>90.2</b>	<b>91.7</b>	<b>99.8</b>	-
A19379	<b>58,700</b>	<b>54,000</b>	<b>86.6</b>	<b>95.9</b>	<b>78.1</b>	<b>90.1</b>	<b>91.7</b>	<b>99.7</b>	-
A19380	<b>58,200</b>	<b>54,000</b>	<b>86.6</b>	<b>95.9</b>	<b>77.9</b>	<b>90.1</b>	<b>91.7</b>	<b>99.7</b>	-

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

/continued on next page



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2)**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1923G/PW1923G-A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 12**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19381	<b>57,700</b>	<b>54,000</b>	<b>86.6</b>	<b>95.9</b>	<b>77.7</b>	<b>90.0</b>	<b>91.7</b>	<b>99.7</b>	-
A19382	<b>57,200</b>	<b>54,000</b>	<b>86.6</b>	<b>95.8</b>	<b>77.5</b>	<b>90.0</b>	<b>91.7</b>	<b>99.6</b>	-
A19383	<b>56,700</b>	<b>54,000</b>	<b>86.7</b>	<b>95.8</b>	<b>77.3</b>	<b>89.9</b>	<b>91.7</b>	<b>99.6</b>	-
A19384	<b>56,200</b>	<b>54,000</b>	<b>86.7</b>	<b>95.8</b>	<b>77.1</b>	<b>89.9</b>	<b>91.7</b>	<b>99.6</b>	-
A19385	<b>55,700</b>	<b>54,000</b>	<b>86.7</b>	<b>95.7</b>	<b>76.9</b>	<b>89.8</b>	<b>91.7</b>	<b>99.6</b>	-
A19386	<b>55,200</b>	<b>54,000</b>	<b>86.7</b>	<b>95.7</b>	<b>76.7</b>	<b>89.8</b>	<b>91.7</b>	<b>99.5</b>	-

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



Type Certificate Holder<sup>1</sup>      **Embraer S.A.**      Aircraft Type Designation<sup>1</sup>      **ERJ 190-400**  
(Commercial Designation      **E195-E2**)

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney**      Engine Type Designation<sup>1</sup>      **PW1923G/PW1923G-A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 8 / Amendment 13**      Chapter<sup>1</sup>      **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off <sup>1</sup> (kg)	Landing <sup>1</sup> (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	
A19714	<b>62,500</b>	<b>54,000</b>	<b>85.9</b>	<b>96.1</b>	<b>79.9</b>	<b>90.5</b>	<b>91.7</b>	<b>100.0</b>	-

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



**CS-36 Amendment level**

ICAO, Annex 16, Volume I Amendment level	7	8	9	10	11-B	12	13
Corresponding CS-36 Amendment level	Initial	1	2	3	4	5	6

**TCDSN EASA.IM.A.071 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. P/N 171-22644-001 installed via SB 190-00-0096



## **Change Record**

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

