

Civil Aviation Authority United Kingdom



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.A.00071

for

EMBRAER ERJ 190

Type Certificate Holder

EMBRAER S.A.

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

Model(s) ERJ 190-100 STD
ERJ 190-100 LR
ERJ 190-100 IGW
ERJ 190-100 ECJ
ERJ 190-100 SR
ERJ 190-200 STD
ERJ 190-200 LR
ERJ 190-200 IGW
ERJ 190-300
ERJ 190-400

Issue: 3

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Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-300	None	49,990	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.6	95.3	76.1	89.2	91.4	99.2	None	A19343
ERJ 190-300	None	49,990	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.9	95.3	74.9	89.2	91.4	99.2	None	A19358
ERJ 190-300	None	50,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.6	95.4	76.3	89.3	91.4	99.2	None	A19342
ERJ 190-300	None	50,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.9	95.4	75.0	89.3	91.4	99.2	None	A19357
ERJ 190-300	None	51,000	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.6	95.4	76.5	89.3	91.4	99.3	None	A19341
ERJ 190-300	None	51,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.9	95.4	75.2	89.3	91.4	99.3	None	A19356
ERJ 190-300	None	51,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.5	95.4	76.7	89.4	91.4	99.3	None	A19340
ERJ 190-300	None	51,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.8	95.4	75.4	89.4	91.4	99.3	None	A19355
ERJ 190-300	None	52,000	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.5	95.5	76.9	89.4	91.4	99.3	None	A19339
ERJ 190-300	None	52,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.8	95.5	75.6	89.4	91.4	99.3	None	A19354
ERJ 190-300	None	52,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.5	95.5	77.1	89.5	91.4	99.4	None	A19338
ERJ 190-300	None	52,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.8	95.5	75.8	89.5	91.4	99.4	None	A19353
ERJ 190-300	None	53,000	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.5	95.5	77.3	89.6	91.4	99.4	None	A19337
ERJ 190-300	None	53,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.8	95.5	76.0	89.6	91.4	99.4	None	A19352
ERJ 190-300	None	53,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.5	95.6	77.5	89.6	91.4	99.4	None	A19336
ERJ 190-300	None	53,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.8	95.6	76.2	89.6	91.4	99.4	None	A19351
ERJ 190-300	None	54,000	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.6	77.7	89.7	91.4	99.5	None	A19335
ERJ 190-300	None	54,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.7	95.6	76.4	89.7	91.4	99.5	None	A19350
ERJ 190-300	None	54,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.6	77.9	89.7	91.4	99.5	None	A19334
ERJ 190-300	None	54,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.7	95.6	76.6	89.7	91.4	99.5	None	A19349
ERJ 190-300	None	55,000	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.7	78.1	89.8	91.4	99.5	None	A19333
ERJ 190-300	None	55,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	76.7	89.8	91.4	99.5	None	A19348

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-300	None	55,500	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.7	78.3	89.8	91.4	99.6	None	A19332
ERJ 190-300	None	55,500	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	76.9	89.8	91.4	99.6	None	A19347
ERJ 190-300	None	56,000	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	77.1	89.9	91.4	99.6	None	A19346
ERJ 190-300	None	56,200	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.7	78.6	89.9	91.4	99.6	None	A19330
ERJ 190-300	None	56,200	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.6	95.7	77.2	89.9	91.4	99.6	None	A19345
ERJ 190-300	None	56,400	49,050	Pratt & Whitney PW1919G	None	Annex 16/I 8/12 Chapter 14	85.4	95.8	78.7	89.9	91.4	99.6	None	A19329
ERJ 190-300	None	56,400	49,050	Pratt & Whitney PW1922G	None	Annex 16/I 8/12 Chapter 14	86.6	95.8	77.3	89.9	91.4	99.6	None	A19344
ERJ 190-400	None	55,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.4	95.7	77.1	89.8	91.7	99.5	None	A19372
ERJ 190-400	None	55,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	76.7	89.8	91.7	99.5	None	A19386
ERJ 190-400	None	55,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.3	95.7	77.2	89.8	91.7	99.6	None	A19371
ERJ 190-400	None	55,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	76.9	89.8	91.7	99.6	None	A19385
ERJ 190-400	None	56,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.3	95.7	77.4	89.9	91.7	99.6	None	A19370
ERJ 190-400	None	56,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.7	95.7	77.1	89.9	91.7	99.6	None	A19384
ERJ 190-400	None	56,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.3	95.8	77.6	89.9	91.7	99.6	None	A19369
ERJ 190-400	None	56,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.7	95.8	77.3	89.9	91.7	99.6	None	A19383
ERJ 190-400	None	57,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.3	95.8	77.8	90.0	91.7	99.7	None	A19368
ERJ 190-400	None	57,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.6	95.8	77.5	90.0	91.7	99.7	None	A19382
ERJ 190-400	None	57,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.2	95.8	78.1	90.0	91.7	99.7	None	A19367
ERJ 190-400	None	57,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.6	95.8	77.7	90.0	91.7	99.7	None	A19381
ERJ 190-400	None	58,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.2	95.9	78.3	90.1	91.7	99.7	None	A19366
ERJ 190-400	None	58,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.6	95.9	77.9	90.1	91.7	99.7	None	A19380
ERJ 190-400	None	58,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.2	95.9	78.5	90.1	91.7	99.7	None	A19365
ERJ 190-400	None	58,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.6	95.9	78.1	90.1	91.7	99.7	None	A19379

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-400	None	59,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.2	95.9	78.7	90.2	91.7	99.8	None	A19364
ERJ 190-400	None	59,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.5	95.9	78.3	90.2	91.7	99.8	None	A19378
ERJ 190-400	None	59,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.2	96.0	78.9	90.2	91.7	99.8	None	A19363
ERJ 190-400	None	59,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.5	96.0	78.5	90.2	91.7	99.8	None	A19377
ERJ 190-400	None	60,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.1	96.0	79.1	90.3	91.7	99.8	None	A19362
ERJ 190-400	None	60,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.5	96.0	78.7	90.3	91.7	99.8	None	A19376
ERJ 190-400	None	60,700	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.1	96.0	79.3	90.3	91.7	99.9	None	A19361
ERJ 190-400	None	60,700	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.5	96.0	78.9	90.3	91.7	99.9	None	A19375
ERJ 190-400	None	61,200	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.1	96.1	79.5	90.4	91.7	99.9	None	A19360
ERJ 190-400	None	61,200	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.4	96.1	79.1	90.4	91.7	99.9	None	A19374
ERJ 190-400	None	61,500	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.1	96.1	79.6	90.4	91.7	99.9	None	A19359
ERJ 190-400	None	61,500	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.4	96.1	79.2	90.4	91.7	99.9	None	A19373
ERJ 190-400	None	62,000	54,000	Pratt & Whitney PW1921G	None	Annex 16/I 8/12 Chapter 14	86.1	96.1	79.8	90.5	91.7	99.9	None	E700213
ERJ 190-400	None	62,000	54,000	Pratt & Whitney PW1923G/PW1923G-A	None	Annex 16/I 8/12 Chapter 14	86.1	96.1	79.8	90.5	91.7	99.9	None	E700212
ERJ 190-100 ECJ	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.8	95.5	86.3	89.4	92.4	99.3	None	A6637
ERJ 190-100 ECJ	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	54,500	45,800	General Electric CF34-10E7-B	None	Annex 16/I 3/7 Chapter 3	92.7	95.6	86.4	89.7	92.5	99.5	None	A13629
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.2	83.4	89.0	92.5	99.0	None	A18911
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.7	95.5	86.4	89.4	92.4	99.3	None	A5290
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.4	95.5	85.8	89.4	92.5	99.3	None	A8507
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	92.8	95.5	85.4	89.4	92.4	99.3	None	A5293
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.5	84.5	89.4	92.5	99.3	None	A8511

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.8	95.5	86.3	89.4	92.4	99.3	None	A5296
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.4	95.5	85.7	89.4	92.5	99.3	None	A8514
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	92.8	95.5	85.4	89.4	92.4	99.3	None	A5299
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.5	84.5	89.4	92.5	99.3	None	A8517
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	92.9	95.5	85.4	89.4	92.4	99.3	None	A5302
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	51,800	44,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.5	84.6	89.4	92.5	99.3	None	A8521
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	51,800	44,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.9	95.5	86.9	89.4	92.8	99.3	None	A1184
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	51,800	44,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.5	86.1	89.4	92.8	99.3	None	A1187
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	51,800	44,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.9	95.5	86.9	89.4	92.8	99.3	None	A1190
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	51,800	44,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.5	86.1	89.4	92.8	99.3	None	A1193
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	51,800	44,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.1	95.5	86.1	89.4	92.8	99.3	None	A5645
ERJ 190-100 IGW	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, Recertification to Chapter 4	46,000	44,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.0	81.5	89.0	91.8	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700037
ERJ 190-100 IGW	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, Recertification to Chapter 4	47,790	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700029
ERJ 190-100 IGW	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, Recertification to Chapter 4	50,000	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	95.3	84.8	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700033
ERJ 190-100 IGW	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, Recertification to Chapter 4	50,000	44,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.3	83.6	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700034

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 IGW	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, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.5	85.8	89.4	91.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700058
ERJ 190-100 IGW	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, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.5	84.5	89.4	91.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700057
ERJ 190-100 IGW	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, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.5	85.7	89.4	91.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700056
ERJ 190-100 IGW	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, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.5	84.5	89.4	91.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700055
ERJ 190-100 IGW	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, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E7 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.5	84.6	89.4	91.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700054
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	46,000	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.8	95.0	81.5	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700017
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.6	95.2	83.4	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700011
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,000	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.3	84.8	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700066
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,000	44,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.3	83.6	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700065
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.5	85.8	89.4	92.5	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700006

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.5	84.5	89.4	92.5	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700014
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	95.5	85.7	89.4	92.5	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700059
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.5	84.5	89.4	92.5	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700063
ERJ 190-100 IGW	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.5	84.6	89.4	92.5	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700070
ERJ 190-100 IGW	P/N 341-3501-501 and P/N 171-22644-001 Low Loss Chevron nozzle, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.9	95.3	85.9	89.2	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	A19398
ERJ 190-100 IGW	P/N 341-3501-501 and P/N 171-22644-001 Low Loss Chevron nozzle, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.2	95.3	85.0	89.2	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	A19458
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.9	95.5	86.9	89.4	92.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700077
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E5A1	None	Annex 16/I 8/12 Chapter 4	93.1	95.5	86.1	89.4	92.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700081
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	91.9	95.5	86.9	89.4	92.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700084
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.1	95.5	86.1	89.4	92.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700088
ERJ 190-100 IGW	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	51,800	44,000	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.1	95.5	86.1	89.4	92.8	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700092
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	45,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/13 Chapter 3	93.0	95.0	81.4	89.0	92.5	98.9	None	E700222
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	45,990	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/13 Chapter 3	93.0	95.0	81.5	89.0	92.5	98.9	None	E700223
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.2	83.4	89.0	92.5	99.0	None	A10638

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A10640
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.2	83.4	89.0	92.5	99.0	None	A10642
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A10644
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A10646
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	49,990	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.4	95.3	84.7	89.2	92.5	99.2	None	A18909
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,000	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.8	95.3	85.5	89.2	92.4	99.2	None	A5648
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.4	95.3	84.8	89.2	92.5	99.2	None	A8508
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,000	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	92.9	95.3	84.5	89.2	92.4	99.2	None	A5649
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,000	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.3	83.6	89.2	92.5	99.2	None	A8518
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E2A1	None	Annex 16/I 3/7 Chapter 3	91.5	95.4	86.0	89.3	92.4	99.2	None	A5304
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.8	95.4	85.6	89.3	92.4	99.2	None	A5289
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.4	95.4	84.9	89.3	92.5	99.2	None	A8506
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	92.9	95.4	84.6	89.3	92.4	99.2	None	A5292
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.4	83.6	89.3	92.5	99.2	None	A8510
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.8	95.4	85.6	89.3	92.4	99.2	None	A5295
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.5	95.4	84.8	89.3	92.5	99.2	None	A8513
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	92.9	95.4	84.6	89.3	92.4	99.2	None	A5298

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.4	83.6	89.3	92.5	99.2	None	A8516
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	92.9	95.4	84.6	89.3	92.4	99.2	None	A5301
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	50,300	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.6	95.4	83.7	89.3	92.5	99.2	None	A8520
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN), MTOW reduction	44,900	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.7	89.0	92.5	98.8	None	A18910
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	92.1	95.2	84.7	89.0	92.7	99.0	None	A10637
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A10639
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	92.1	95.2	84.7	89.0	92.7	99.0	None	A10641
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A10643
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A10645
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E2A1	None	Annex 16/I 3/7 Chapter 3	91.6	95.4	86.4	89.3	92.7	99.2	None	A5647
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.9	95.4	86.1	89.3	92.7	99.2	None	A1183
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.4	85.1	89.3	92.7	99.2	None	A1186
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	92.0	95.4	86.0	89.3	92.7	99.2	None	A1189
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.4	85.1	89.3	92.7	99.2	None	A1192
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	50,300	43,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.2	95.4	85.1	89.3	92.7	99.2	None	A5644
ERJ 190-100 LR	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)	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.3	89.0	92.5	98.8	None	A19106
ERJ 190-100 LR	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)	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.7	89.0	92.5	98.8	None	A19105
ERJ 190-100 LR	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)	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.9	89.0	92.5	98.8	None	A19104
ERJ 190-100 LR	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)	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.0	82.4	89.0	92.5	98.9	None	A19103

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	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, Recertification to Chapter 4	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.3	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700028
ERJ 190-100 LR	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, Recertification to Chapter 4	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.7	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700026
ERJ 190-100 LR	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, Recertification to Chapter 4	44,900	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	94.9	81.7	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700030
ERJ 190-100 LR	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, Recertification to Chapter 4	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.9	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700024
ERJ 190-100 LR	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, Recertification to Chapter 4	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.0	82.4	89.0	91.8	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700021
ERJ 190-100 LR	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700042
ERJ 190-100 LR	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700041
ERJ 190-100 LR	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700040
ERJ 190-100 LR	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700039
ERJ 190-100 LR	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700038

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	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, Recertification to Chapter 4	49,990	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.3	84.7	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700031
ERJ 190-100 LR	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, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.3	84.8	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700049
ERJ 190-100 LR	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, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.3	83.6	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700048
ERJ 190-100 LR	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, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.4	95.4	84.9	89.3	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700053
ERJ 190-100 LR	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, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.4	83.6	89.3	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700051
ERJ 190-100 LR	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, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.5	95.4	84.8	89.3	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700050
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/13 Chapter 4	93.0	95.0	81.4	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700224
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/l 8/13 Chapter 4	93.0	95.0	81.5	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700225
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.6	95.2	83.4	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700012
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700016

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700061
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700068
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700072
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	49,990	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	95.3	84.7	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700010
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	95.3	84.8	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700008
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.3	83.6	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700067
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.4	95.4	84.9	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700007
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.4	83.6	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700015
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.5	95.4	84.8	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700060
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.4	83.6	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700064
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.4	83.7	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700071
ERJ 190-100 LR	P/N 341-3501-501 and P/N 171-22644-001 Low Loss Chevron nozzle, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.9	95.3	85.9	89.2	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	A19457

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	P/N 341-3501-501 and P/N 171-22644-001 Low Loss Chevron nozzle, Recertification to Chapter 4	50,000	43,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.2	95.3	85.0	89.2	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	A19459
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	92.1	95.2	84.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700079
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1	None	Annex 16/I 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700082
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	92.1	95.2	84.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700086
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700090
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700094
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.9	95.4	86.1	89.3	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700078
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	92.0	95.4	86.0	89.3	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700085
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.1	95.4	85.1	89.3	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700089
ERJ 190-100 LR	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.2	95.4	85.1	89.3	92.7	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700093
ERJ 190-100 LR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), MTOW reduction, Recertification to Chapter 4	44,900	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.7	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700076
ERJ 190-100 LR	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), Recertification to Chapter 4	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.3	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700096
ERJ 190-100 LR	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), Recertification to Chapter 4	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.7	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700098

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 LR	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), Recertification to Chapter 4	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.7	94.9	81.9	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700100
ERJ 190-100 LR	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), Recertification to Chapter 4	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.6	95.0	82.4	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700102
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	45,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 3/7 Chapter 3	93.0	95.0	81.4	89.0	92.5	98.9	None	A13627
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	45,990	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/l 3/7 Chapter 3	93.0	95.0	81.5	89.0	92.5	98.9	None	A13628
ERJ 190-100 SR	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, Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	93.0	95.0	81.4	89.0	91.8	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700036
ERJ 190-100 SR	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, Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/l 8/12 Chapter 4	93.0	95.0	81.5	89.0	91.8	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700035
ERJ 190-100 SR	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, Recertification to Chapter 4	49,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.3	83.6	89.2	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700022
ERJ 190-100 SR	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, Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.4	83.6	89.3	91.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700052
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	93.0	95.0	81.4	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700019
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	45,990	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/l 8/12 Chapter 4	93.0	95.0	81.5	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700074
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	49,990	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/l 8/12 Chapter 4	92.6	95.3	83.6	89.2	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700009

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 SR	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	50,300	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.6	95.4	83.6	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700005
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E2A1	None	Annex 16/I 3/7 Chapter 3	91.6	95.2	84.6	89.0	92.4	99.0	None	A5303
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E2A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.1	95.2	83.8	89.0	92.5	99.0	None	A8522
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.9	95.2	84.3	89.0	92.4	99.0	None	A5288
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.2	83.4	89.0	92.5	99.0	None	A8505
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.0	95.2	83.7	89.0	92.4	99.0	None	A5291
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A8509
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	92.0	95.2	84.3	89.0	92.4	99.0	None	A5294
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.2	83.4	89.0	92.5	99.0	None	A8512
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.0	95.2	83.7	89.0	92.4	99.0	None	A5297
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A8515
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.1	95.2	83.6	89.0	92.4	99.0	None	A5300
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 Improved acoustic chevron nozzle (IACN)	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 3/7 Chapter 3	92.8	95.2	82.5	89.0	92.5	99.0	None	A8519
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503, Mod SB 190-00-0024 Improved acoustic chevron nozzle (IACN), MTOW 43740 kg	43,740	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.8	81.1	89.0	92.5	98.7	None	A17224
ERJ 190-100 STD	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	43,740	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.8	81.1	89.0	91.8	98.7	None	A17225
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E2A1	None	Annex 16/I 3/7 Chapter 3	91.7	95.2	85.0	89.0	92.7	99.0	None	A5646

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	92.1	95.2	84.7	89.0	92.7	99.0	None	A1182
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A1185
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	92.1	95.2	84.7	89.0	92.7	99.0	None	A1188
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A1191
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 Low loss chevron nozzle	47,790	43,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.3	95.2	83.7	89.0	92.7	99.0	None	A5643
ERJ 190-100 STD	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)	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.0	94.9	81.3	89.0	92.5	98.8	None	A19114
ERJ 190-100 STD	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)	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.7	89.0	92.5	98.8	None	A19113
ERJ 190-100 STD	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)	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.7	94.9	81.9	89.0	92.5	98.8	None	A19112
ERJ 190-100 STD	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)	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 3/7 Chapter 3	91.6	95.0	82.4	89.0	92.5	98.9	None	A19111
ERJ 190-100 STD	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, Recertification to Chapter 4	43,740	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.8	81.1	89.0	91.8	98.7	P/N 171-22644-001 installed via SB 190-00-0096	E700032
ERJ 190-100 STD	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, Recertification to Chapter 4	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.3	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700027
ERJ 190-100 STD	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, Recertification to Chapter 4	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.7	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700025
ERJ 190-100 STD	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, Recertification to Chapter 4	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.7	94.9	81.9	89.0	91.8	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700023
ERJ 190-100 STD	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, Recertification to Chapter 4	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.0	82.4	89.0	91.8	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700020

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 STD	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700047
ERJ 190-100 STD	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700046
ERJ 190-100 STD	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700045
ERJ 190-100 STD	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700044
ERJ 190-100 STD	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, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	91.8	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700043
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700013
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700018
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6 G07	Block 2	Annex 16/I 8/12 Chapter 4	91.6	95.2	83.4	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700062
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700069
ERJ 190-100 STD	P/N 341-3001-501 or P/N 341-3001-503 and P/N 171-22644-001 Improved acoustic chevron nozzle (IACN), Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7 G07	Block 2	Annex 16/I 8/12 Chapter 4	92.8	95.2	82.5	89.0	92.5	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700073
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	92.1	95.2	84.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700080

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E5A1	None	Annex 16/l 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700083
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6	None	Annex 16/l 8/12 Chapter 4	92.1	95.2	84.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700087
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E6A1	None	Annex 16/l 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700091
ERJ 190-100 STD	P/N 341-3501-501 or P/N 341-3501-503 and P/N 171-22644-001 Low loss chevron nozzle, Recertification to Chapter 4	47,790	43,000	General Electric CF34-10E7	None	Annex 16/l 8/12 Chapter 4	93.3	95.2	83.7	89.0	92.7	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700095
ERJ 190-100 STD	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), Recertification to Chapter 4	44,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.7	94.9	81.3	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700097
ERJ 190-100 STD	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), Recertification to Chapter 4	44,600	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.7	94.9	81.7	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700099
ERJ 190-100 STD	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), Recertification to Chapter 4	45,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.7	94.9	81.9	89.0	92.5	98.8	P/N 171-22644-001 installed via SB 190-00-0096	E700101
ERJ 190-100 STD	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), Recertification to Chapter 4	46,000	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.6	95.0	82.4	89.0	92.5	98.9	P/N 171-22644-001 installed via SB 190-00-0096	E700103
ERJ 190-100 STD	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, Recertification to Chapter 4	43,740	43,000	General Electric CF34-10E5 G07	Block 2	Annex 16/l 8/12 Chapter 4	91.7	94.8	81.1	89.0	92.5	98.7	P/N 171-22644-001 installed via SB 190-00-0096	E700075
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E5	2 (Improved acoustic chevron nozzle)	Annex 16/l 3/7 Chapter 3	91.3	95.5	86.4	89.5	92.6	99.3	None	A8526
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E5	None	Annex 16/l 3/7 Chapter 3	91.7	95.5	87.4	89.5	92.9	99.3	None	A2798
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E5A1	2 (Improved acoustic chevron nozzle)	Annex 16/l 3/7 Chapter 3	92.4	95.5	84.9	89.5	92.6	99.3	None	A8529
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E5A1	None	Annex 16/l 3/7 Chapter 3	92.9	95.5	86.2	89.5	92.9	99.3	None	A2801
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E6	2 (Improved acoustic chevron nozzle)	Annex 16/l 3/7 Chapter 3	91.2	95.5	86.4	89.5	92.6	99.3	None	A8532

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.7	95.5	87.4	89.5	92.9	99.3	None	A2804
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.4	95.5	84.9	89.5	92.6	99.3	None	A8535
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	92.9	95.5	86.2	89.5	92.9	99.3	None	A2807
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.4	95.5	84.9	89.5	92.6	99.3	None	A8538
ERJ 190-200 IGW	None	52,290	45,800	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.0	95.5	86.1	89.5	92.9	99.3	None	A2810
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	47,500	45,800	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.6	95.1	82.3	89.0	92.6	99.0	P/N 171-22644-001 installed via SB 190-00-0096	E700120
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.3	95.5	86.4	89.5	92.6	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700122
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.7	95.5	87.4	89.5	92.9	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700105
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.4	95.5	84.9	89.5	92.6	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700126
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E5A1	None	Annex 16/I 8/12 Chapter 4	92.9	95.5	86.2	89.5	92.9	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700108
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E6	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.2	95.5	86.4	89.5	92.6	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700129
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	91.7	95.5	87.4	89.5	92.9	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700111
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.4	95.5	84.9	89.5	92.6	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700132
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	92.9	95.5	86.2	89.5	92.9	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700114
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.4	95.5	84.9	89.5	92.6	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700135
ERJ 190-200 IGW	P/N 171-22644-001 Recertification Chapter 4	52,290	45,800	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.0	95.5	86.1	89.5	92.9	99.3	P/N 171-22644-001 installed via SB 190-00-0096	E700117
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	91.3	95.4	85.4	89.3	92.5	99.2	None	A8525
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.8	95.4	86.5	89.3	92.8	99.2	None	A2797
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.5	95.4	84.1	89.3	92.5	99.2	None	A8528
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.0	95.4	85.4	89.3	92.8	99.2	None	A2800
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E6	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	91.3	95.4	85.3	89.3	92.5	99.2	None	A8531
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.8	95.4	86.5	89.3	92.8	99.2	None	A2803
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.5	95.4	84.0	89.3	92.5	99.2	None	A8534

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.0	95.4	85.4	89.3	92.8	99.2	None	A2806
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.5	95.4	84.0	89.3	92.5	99.2	None	A8537
ERJ 190-200 LR	None	50,790	45,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.1	95.4	85.2	89.3	92.8	99.2	None	A2809
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,490	45,000	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.3	95.4	85.1	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700123
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.3	95.4	85.4	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700124
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.8	95.4	86.5	89.3	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700106
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.5	95.4	84.1	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700127
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E5A1	None	Annex 16/I 8/12 Chapter 4	93.0	95.4	85.4	89.3	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700109
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E6	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.3	95.4	85.3	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700130
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	91.8	95.4	86.5	89.3	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700112
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.5	95.4	84.0	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700133
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.0	95.4	85.4	89.3	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700115
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.5	95.4	84.0	89.3	92.5	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700136
ERJ 190-200 LR	P/N 171-22644-001 Recertification Chapter 4	50,790	45,000	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.1	95.4	85.2	89.3	92.8	99.2	P/N 171-22644-001 installed via SB 190-00-0096	E700118
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E2A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	91.0	95.2	84.5	89.1	92.5	99.1	None	A8523
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E2A1	None	Annex 16/I 3/7 Chapter 3	91.5	95.2	85.7	89.1	92.8	99.1	None	A2795
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	91.3	95.2	84.1	89.1	92.5	99.1	None	A8524
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E5	None	Annex 16/I 3/7 Chapter 3	91.8	95.2	85.4	89.1	92.8	99.1	None	A2796
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.6	95.2	83.0	89.1	92.5	99.1	None	A8527
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E5A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.2	84.3	89.1	92.8	99.1	None	A2799
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E6	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	91.4	95.2	84.1	89.1	92.5	99.1	None	A8530
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E6	None	Annex 16/I 3/7 Chapter 3	91.9	95.2	85.3	89.1	92.8	99.1	None	A2802
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.6	95.2	83.0	89.1	92.5	99.1	None	A8533

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E6A1	None	Annex 16/I 3/7 Chapter 3	93.1	95.2	84.3	89.1	92.8	99.1	None	A2805
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 3/7 Chapter 3	92.6	95.2	83.0	89.1	92.5	99.1	None	A8536
ERJ 190-200 STD	None	48,790	45,000	General Electric CF34-10E7	None	Annex 16/I 3/7 Chapter 3	93.1	95.2	84.2	89.1	92.8	99.1	None	A2808
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E2A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.0	95.2	84.5	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700121
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E2A1	None	Annex 16/I 8/12 Chapter 4	91.5	95.2	85.7	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700104
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E5	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.3	95.2	84.1	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700125
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E5	None	Annex 16/I 8/12 Chapter 4	91.8	95.2	85.4	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700107
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E5A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.6	95.2	83.0	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700128
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E5A1	None	Annex 16/I 8/12 Chapter 4	93.1	95.2	84.3	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700110
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E6	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	91.4	95.2	84.1	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700131
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E6	None	Annex 16/I 8/12 Chapter 4	91.9	95.2	85.3	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700113
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E6A1	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.6	95.2	83.0	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700134
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E6A1	None	Annex 16/I 8/12 Chapter 4	93.1	95.2	84.3	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700116
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E7	2 (Improved acoustic chevron no	Annex 16/I 8/12 Chapter 4	92.6	95.2	83.0	89.1	92.5	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700137
ERJ 190-200 STD	P/N 171-22644-001 Recertification Chapter 4	48,790	45,000	General Electric CF34-10E7	None	Annex 16/I 8/12 Chapter 4	93.1	95.2	84.2	89.1	92.8	99.1	P/N 171-22644-001 installed via SB 190-00-0096	E700119

Administration

I. Acronyms and Abbreviations

Acronym / Abbreviation	Definition
Ed./Amend.	Edition/Amendment
EPNdB	Effective perceived noise decibel
MTOW	Maximum take-off weight
MLW	Maximum landing weight
Regulation Annex 16/I	ICAO Annex 16 Volume I
TCDSN	Type Certificate Data Sheet for Noise

II. Type Certificate Holder Record

TCH Record	Period
EMBRAER S.A. Av. Brig. Faria Lima. 2170 12227-901 São Jose dos Campos – SP Brazil	Present
Yaborã Indústria Aeronáutica S.A. Av. Brig. Faria Lima. 2170 12227-901 São Jose dos Campos – SP Brazil	Before 01 Jan 2022
Embraer S.A. Av. Brig. Faria Lima. 2170 12227-901 São Jose dos Campos – SP Brazil	Before 31 Jan 2020
Empresa Brasileira de Aeronáutica SA Av. Brig. Faria Lima. 2170 12227-901 São Jose dos Campos – SP Brazil	Before Jan 2011

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	21 June 2023	UK.MAJ.00218 (DCA 0190-000-00021-2020) recertification to Chapter 4	Issue 1 21 June 2023
2	29 August 2024	Records for ERJ 190-100 LR at reduced MTOW (45,990 kg) added - UK.MAJ.00391	Issue 1 29 August 2024
3	07 August 2025	Added Engine Modification Description	