



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.001

for

EMBRAER ERJ 170

Type Certificate Holder:

Yaborã Indústria Aeronáutica S.A.

Av. Brig. Faria Lima, 2170

12227-901 São José dos Campos - SP

Brasil

For models: ERJ 170-100
ERJ 170-200



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Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #1"**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18842	LR	38,600	33,300	92.2	94.4	85.3	89.0	94.9	98.3	-
A18843	STD	38,600	33,300	92.2	94.4	85.3	89.0	94.9	98.3	-
A5125	LR	37,200	32,800	92.3	94.2	84.1	89.0	94.9	98.2	-
A6639	LR	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-
A5124	STD	35,990	32,800	92.3	94.1	83.0	89.0	94.9	98.1	-
A5128	LR	34,850	32,800	92.4	94.0	81.6	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2"**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18847	LR	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A18846	STD	38,600	33,300	91.9	94.4	84.3	89.0	94.9	98.3	-
A3139	LR	37,200	33,300	92.0	94.2	83.2	89.0	94.9	98.2	-
A3133	LR	37,200	32,800	92.0	94.2	83.2	89.0	94.9	98.2	-
A3147	STD	35,990	33,300	92.1	94.1	82.2	89.0	94.9	98.1	-
A3145	STD	35,990	32,800	92.1	94.1	82.2	89.0	94.9	98.1	-
A19128	LR	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-
A14219	STD	34,000	32,800	92.3	94.0	80.7	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #1", EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19077	LR	38,600	33,300	92.2	94.4	85.3	89.0	93.5	98.3	-
A19078	STD	38,600	33,300	92.2	94.4	85.3	89.0	93.5	98.3	-
A19069	LR	37,200	32,800	92.3	94.2	84.1	89.0	93.5	98.2	-
A19071	STD	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-
A19075	LR	35,990	32,800	92.3	94.1	83.0	89.0	93.5	98.1	-
A19073	LR	34,850	32,800	92.4	94.0	81.6	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2", EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18855	LR	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A18856	STD	38,600	33,300	91.9	94.4	84.3	89.0	93.6	98.3	-
A18850	LR	37,200	33,300	92.0	94.2	83.2	89.0	93.6	98.2	-
A18851	LR	37,200	32,800	92.0	94.2	83.2	89.0	93.6	98.2	-
A18852	STD	35,990	33,300	92.1	94.1	82.2	89.0	93.6	98.1	-
A18853	STD	35,990	32,800	92.1	94.1	82.2	89.0	93.6	98.1	-
A18854	STD	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-
A19129	LR	34,000	32,800	92.3	94.0	80.7	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2", P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18885	LR	38,600	33,300	90.4	94.4	83.2	89.0	95.1	98.3	-
A18886	STD	38,600	33,300	90.4	94.4	83.2	89.0	95.1	98.3	-
A18883	LR	37,200	33,300	90.6	94.2	81.9	89.0	95.1	98.2	-
A18881	LR	37,200	32,800	90.6	94.2	81.9	89.0	95.1	98.2	-
A18879	STD	35,990	33,300	90.6	94.1	80.8	89.0	95.1	98.1	-
A18877	STD	35,990	32,800	90.6	94.1	80.8	89.0	95.1	98.1	-
A18875	LR	34,850	32,800	90.7	94.0	79.8	89.0	95.1	98.0	-
A18873	STD	34,000	32,800	90.8	94.0	79.1	89.0	95.1	98.0	-
A19132	LR	34,000	32,800	90.8	94.0	79.1	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2", Embraer DWG 171-15317-001 & P/N 171-12124-801 (Silent Kit & Flap 6 Inhibitor, Inst)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19131	LR	34,000	32,800	90.8	94.0	79.1	89.0	94.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #1"**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18844	LR	38,600	33,300	93.1	94.4	84.4	89.0	94.9	98.3	-
A18845	STD	38,600	33,300	93.1	94.4	84.4	89.0	94.9	98.3	-
A5130	LR	37,200	32,800	93.3	94.2	83.3	89.0	94.9	98.2	-
A6640	LR	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-
A5129	STD	35,990	32,800	93.3	94.1	82.2	89.0	94.9	98.1	-
A5133	LR	34,850	32,800	93.4	94.0	80.9	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2"**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18849	LR	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A18848	STD	38,600	33,300	92.9	94.4	83.4	89.0	94.9	98.3	-
A3142	LR	37,200	33,300	93.0	94.2	82.5	89.0	94.9	98.2	-
A3136	LR	37,200	32,800	93.0	94.2	82.5	89.0	94.9	98.2	-
A3148	STD	35,990	33,300	93.0	94.1	81.5	89.0	94.9	98.1	-
A3146	STD	35,990	32,800	93.0	94.1	81.5	89.0	94.9	98.1	-
A14220	STD	34,000	32,800	93.2	94.0	80.1	89.0	94.9	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #1", EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19079	LR	38,600	33,300	93.1	94.4	84.4	89.0	93.5	98.3	-
A19080	STD	38,600	33,300	93.1	94.4	84.4	89.0	93.5	98.3	-
A19070	LR	37,200	32,800	93.3	94.2	83.3	89.0	93.5	98.2	-
A19072	STD	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-
A19076	LR	35,990	32,800	93.3	94.1	82.2	89.0	93.5	98.1	-
A19074	LR	34,850	32,800	93.4	94.0	80.9	89.0	93.5	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2", EMBRAER DWG 171-12124--801 (Flap 6 Inhibitor, Inst)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18861	LR	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A18862	STD	38,600	33,300	92.9	94.4	83.4	89.0	93.6	98.3	-
A18857	LR	37,200	33,300	93.0	94.2	82.5	89.0	93.6	98.2	-
A18858	LR	37,200	32,800	93.0	94.2	82.5	89.0	93.6	98.2	-
A18859	STD	35,990	33,300	93.0	94.1	81.5	89.0	93.6	98.1	-
A18860	STD	35,990	32,800	93.0	94.1	81.5	89.0	93.6	98.1	-
A18863	STD	34,000	32,800	93.2	94.0	80.1	89.0	93.6	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-100**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **Embraer "Engine #2", P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18888	STD	38,600	33,300	91.8	94.4	82.3	89.0	95.1	98.3	-
A18887	LR	38,600	33,300	91.8	94.4	82.3	89.0	95.1	98.3	-
A18884	LR	37,200	33,300	91.9	94.2	81.2	89.0	95.1	98.2	-
A18882	LR	37,200	32,800	91.9	94.2	81.2	89.0	95.1	98.2	-
A18880	STD	35,990	33,300	92.0	94.1	80.2	89.0	95.1	98.1	-
A18878	STD	35,990	32,800	92.0	94.1	80.2	89.0	95.1	98.1	-
A18876	LR	34,850	32,800	92.2	94.0	79.2	89.0	95.1	98.0	-
A18874	STD	34,000	32,800	92.2	94.0	78.5	89.0	95.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18840	LR	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A18841	STD	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A5135	LR	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-
A5134	STD	37,500	34,000	92.1	94.3	83.3	89.0	95.0	98.2	-
A16720	STD	35,740	34,000	92.2	94.1	82.1	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19011	LR	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19012	STD	40,370	34,100	91.9	94.5	85.9	89.0	95.0	98.5	-
A19013	LR	38,790	34,000	91.9	94.4	84.4	89.0	95.0	98.3	-
A19014	STD	37,500	34,000	92.1	94.3	83.3	89.0	95.0	98.2	-
A19015	STD	35,740	34,000	92.2	94.1	82.1	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB170-00-0049 (Reduction of MTOW to 35700 kg)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19107	STD	35,700	34,000	92.2	94.1	81.9	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB170-00-0049, P/N 171-15317-001 (Reduction of MTOW to 35700 kg, SILENT KIT)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19101	STD	35,700	34,000	90.7	94.1	80.5	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB170-00-0051 (Reduction of MTOW to 36500 kg)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19108	STD	36,500	34,000	92.1	94.2	82.6	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder ¹	Yaborã Industria Aeronáutica SA	Aircraft Type Designation ¹	ERJ 170-200
Engine Manufacturer ¹	General Electric	Engine Type Designation ¹	CF34-8E5
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels ¹	SB170-00-0051, P/N 171-15317-001 (Reduction of MTOW to 36500 kg, SILENT KIT)		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Chapter ¹ 4

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19102	STD	36,500	34,000	90.7	94.2	81.2	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18869	LR	40,370	34,100	90.4	94.5	84.7	89.0	95.2	98.5	-
A18870	STD	40,370	34,100	90.5	94.5	83.3	89.0	95.2	98.5	-
A18867	LR	38,790	34,000	90.5	94.4	83.3	89.0	95.2	98.3	-
A18837	STD	37,500	34,000	90.6	94.3	82.1	89.0	95.2	98.2	-
A19062	STD	35,998	34,000	90.7	94.1	80.8	89.0	95.2	98.1	-
A18864	STD	35,740	34,000	90.7	94.1	80.6	89.0	95.2	98.1	-
A19059	STD	34,998	34,000	90.8	94.0	79.9	89.0	95.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19021	LR	40,370	34,100	90.4	94.5	84.7	89.0	95.2	98.5	-
A19022	STD	40,370	34,100	90.5	94.5	83.3	89.0	95.2	98.5	-
A19023	LR	38,790	34,000	90.5	94.4	83.3	89.0	95.2	98.3	-
A19024	STD	37,500	34,000	90.6	94.3	82.1	89.0	95.2	98.2	-
A19061	STD	35,998	34,000	90.7	94.1	80.8	89.0	95.2	98.1	-
A19025	STD	35,740	34,000	90.7	94.1	80.6	89.0	95.2	98.1	-
A19060	STD	34,998	34,000	90.8	94.0	79.9	89.0	95.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

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

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18838	LR	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A18839	STD	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A5138	LR	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-
A5137	STD	37,500	34,000	93.0	94.3	82.5	89.0	95.0	98.2	-
A16721	STD	35,740	34,000	93.1	94.1	81.3	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **SB170-57-0058 (ENHANCED WINGTIP)**

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

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19016	LR	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19017	STD	40,370	34,100	92.8	94.5	85.0	89.0	95.0	98.5	-
A19018	LR	38,790	34,000	92.9	94.4	83.6	89.0	95.0	98.3	-
A19019	STD	37,500	34,000	93.0	94.3	82.5	89.0	95.0	98.2	-
A19020	STD	35,740	34,000	93.1	94.1	81.3	89.0	95.0	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **P/N 171-15317-001 (SILENT KIT)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18871	LR	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A18872	STD	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A18868	LR	38,790	34,000	91.9	94.4	82.5	89.0	95.2	98.3	-
A18866	STD	37,500	34,000	92.0	94.3	81.4	89.0	95.2	98.2	-
A18865	STD	35,740	34,000	92.1	94.1	79.9	89.0	95.2	98.1	-

¹ See Note 1.



Type Certificate Holder¹ **Yaborã Industria Aeronáutica SA** Aircraft Type Designation¹ **ERJ 170-200**

Engine Manufacturer¹ **General Electric** Engine Type Designation¹ **CF34-8E5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **P/N 171-15317-001, SB170-57-0058 (SILENT KIT, ENHANCED WINGTIP)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** Chapter¹ **4**

EASA Record No.	Variant	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
		Take-off ¹ (kg)	Landing ¹ (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19026	LR	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A19027	STD	40,370	34,100	91.8	94.5	83.8	89.0	95.2	98.5	-
A19028	LR	38,790	34,000	91.9	94.4	82.5	89.0	95.2	98.3	-
A19029	STD	37,500	34,000	92.0	94.3	81.4	89.0	95.2	98.2	-
A19030	STD	35,740	34,000	92.1	94.1	79.9	89.0	95.2	98.1	-

¹ See Note 1.



TCDSN EASA.IM.A.001 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.

Change Record

Issue	Date	Changes
Issue 1	20 March 2007	Initial Issue
Issue 2	22 August 2007	Revised
Issue 3	04 December 2007	Revised
Issue 4	08 January 2013	Addition of flaps 6 inhibitor installation and silent kit modifications
Issue 5	07 March 2013	Various typos corrections.
Issue 6	17 September 2013	Revised
Issue 7	28 November 2014	Added 34998 kg and 35998 kg MTOW weight variants to ERJ 170-200 with CF34-8E5 and Silent Kit. Added Enhanced Wingtip to ERJ 170-200.
Issue 8	30 January 2015	Records A19059 and A19060 revised.
Issue 9	15 September 2015	Revised. Added flap 6 inhibitor for engine #1
Issue 10	13 January 2016	Added SB170-00-0049 & SB190-00-0051 MTOW reduction
Issue 11	28 July 2016	Added DCA 0170-000-00009-2016 reduced MTOW
Issue 12	31 January 2020	Transfer of Type Certificate Holder from "Embraer S.A." to "Yaborã Indústria Aeronáutica S.A."

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