



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.526

for

EMB-550

Type Certificate Holder:

Embraer S.A.

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

For models:

EMB-545

EMB-550



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Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-545**
(Commercial Designation **Legacy 450)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **AS-907-3-1E**

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 6 / Amendment 10** Chapter¹ **4**

| EASA Record No. | 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 | |
| A19130 | 16,220 | 14,750 | 84.2 | 94.0 | 72.9 | 89.0 | 89.9 | 98.0 | - |
| A19098 | 16,000 | 14,750 | 84.2 | 94.0 | 72.8 | 89.0 | 89.9 | 98.0 | - |

¹ See Note 1.



Type Certificate Holder¹ **Embraer S.A.** Aircraft Type Designation¹ **EMB-550**
(Commercial Designation **Legacy 500)**

Engine Manufacturer¹ **Honeywell International Inc.** Engine Type Designation¹ **AS-907-3-1E**

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 6 / Amendment 10** Chapter¹ **4**

| EASA Record No. | 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 | |
| A19266 | 19,440 | 17,000 | 86.9 | 94.0 | 75.1 | 89.0 | 90.3 | 98.0 | - |
| A19081 | 17,400 | 15,660 | 85.6 | 94.0 | 73.4 | 89.0 | 89.9 | 98.0 | - |
| A19265 | 17,400 | 15,660 | 85.5 | 94.0 | 73.1 | 89.0 | 89.9 | 98.0 | - |
| A19264 | 17,200 | 15,480 | 85.5 | 94.0 | 72.8 | 89.0 | 89.9 | 98.0 | - |
| A19058 | 17,200 | 15,480 | 85.6 | 94.0 | 73.1 | 89.0 | 89.9 | 98.0 | - |

¹ See Note 1.



CS-36 Amendment level

| | | | | | | | |
|--|---------|---|---|----|------|----|----|
| ICAO, Annex 16, Volume I Amendment level | 7 | 8 | 9 | 10 | 11-B | 12 | 13 |
| Corresponding CS-36 Amendment level | Initial | 1 | 2 | 3 | 4 | 5 | 6 |

TCDSN EASA.IM.A.526 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 | 23 April 2019 | Initial Issue |
| Issue 2 | 09 September 2015 | Added EMB-545 |
| Issue 3 | 28 July 2016 | Added increased MTOW |
| Issue 4 | 23 April 2019 | New MTOW variant |
| Issue 5 | 25 March 2022 | TC holder revised |

