

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

**Type Certificate Holder:
Bombardier Inc.**

P.O. Box 6087
Station Centre-Ville
Montreal, Quebec
CANADA H3C 3G9

For models : CL-600-2A12
CL-600-2B16
CL-600-2B19
CL-600-2C10
CL-600-2D15
CL-600-2D24
CL-600-2E25

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Type Certificate Holder* **Bombardier Inc.**

Aircraft Type Designation*
(Commercial Designation)

CL-600-2A12
Challenger 601)

Engine Manufacturer* **General Electric**

Engine Type Designation*

CF34-1A

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1**

Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A1924 | 20.457 | 16.329 | 84,6 | 94,0 | 80,5 | 89,0 | 90,1 | 98,0 |
| A1925 | 20.230 | 16.329 | 84,7 | 94,0 | 80,2 | 89,0 | 89,4 | 98,0 |
| A1926 | 19.550 | 16.329 | 84,8 | 94,0 | 79,9 | 89,0 | 89,4 | 98,0 |
| A1927 | 19.096 | 16.329 | 84,9 | 94,0 | 79,4 | 89,0 | 89,4 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2A12**
 Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**
 Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A9030 | 20.457 | 16.329 | 85,7 | 94,0 | 79,7 | 89,0 | 90,1 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B16**
(Commercial Designation) **Challenger 601-3A)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / Amendment 2** Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A1929 | 20.570 | 17.236 | 85,7 | 94,0 | 79,9 | 89,0 | 90,1 | 98,0 |
| A1928 | 20.457 | 17.236 | 85,7 | 94,0 | 79,7 | 89,0 | 90,1 | 98,0 |
| A1931 | 20.230 | 16.329 | 85,7 | 94,0 | 79,8 | 89,0 | 89,4 | 98,0 |
| A2034 | 19.550 | 16.329 | 85,9 | 94,0 | 79,4 | 89,0 | 89,4 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B16**
(Commercial Designation) **Challenger 601-3R)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 2 / Amendment 3** Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A1933 | 20.457 | 17.236 | 85,7 | 94,0 | 79,8 | 89,0 | 90,1 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B16**
(Commercial Designation) **Challenger 601-3A)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A2**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / Amendment 2** Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A1930 | 20.570 | 17.236 | 85,7 | 94,0 | 79,9 | 89,0 | 90,1 | 98,0 |
| A5838 | 20.457 | 16.329 | 85,7 | 94,0 | 79,9 | 89,0 | 89,4 | 98,0 |
| A1932 | 20.230 | 16.329 | 85,7 | 94,0 | 79,8 | 89,0 | 89,4 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B16**
(Commercial Designation) **Challenger 604, 604DX, 605)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3B**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A1934 | 21.863 | 17.236 | 86,2 | 94,0 | 81,2 | 89,0 | 90,3 | 98,0 |
| A1935 | 21.591 | 17.236 | 86,2 | 94,0 | 80,9 | 89,0 | 90,3 | 98,0 |
| A1936 | 17.236 | 17.236 | 87,3 | 94,0 | 76,6 | 89,0 | 90,3 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1947 | 24.040 | 21.319 | 82,2 | 94,0 | 79,8 | 89,0 | 92,1 | 98,0 | 26,9 |
| A1949 | 24.040 | 21.205 | 82,1 | 94,0 | 80,3 | 89,0 | 92,1 | 98,0 | 26,5 |
| A1950 | 24.040 | 20.280 | 82,1 | 94,0 | 80,3 | 89,0 | 92,1 | 98,0 | 26,5 |
| A1952 | 23.995 | 21.319 | 82,1 | 94,0 | 80,2 | 89,0 | 92,1 | 98,0 | 26,6 |
| A1954 | 23.133 | 21.319 | 82,2 | 94,0 | 78,8 | 89,0 | 92,1 | 98,0 | 27,9 |
| A1955 | 22.995 | 21.319 | 82,2 | 94,0 | 78,6 | 89,0 | 92,1 | 98,0 | 28,1 |
| A1956 | 22.995 | 21.205 | 82,2 | 94,0 | 78,6 | 89,0 | 92,1 | 98,0 | 28,1 |
| A1957 | 21.995 | 21.319 | 82,3 | 94,0 | 77,2 | 89,0 | 92,1 | 98,0 | 29,4 |
| A1958 | 21.995 | 21.205 | 82,3 | 94,0 | 77,2 | 89,0 | 92,1 | 98,0 | 29,4 |
| A1960 | 20.553 | 20.276 | 82,4 | 94,0 | 76,3 | 89,0 | 92,4 | 98,0 | 29,9 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **73 (FAA Vref / V2)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1943 | 22.995 | 21.319 | 82,3 | 94,0 | 77,6 | 89,0 | 92,1 | 98,0 | 29,0 |
| A1944 | 22.995 | 21.205 | 82,3 | 94,0 | 77,6 | 89,0 | 92,1 | 98,0 | 29,0 |
| A1945 | 21.995 | 21.319 | 82,4 | 94,0 | 76,3 | 89,0 | 92,1 | 98,0 | 30,2 |
| A1946 | 21.995 | 21.205 | 82,4 | 94,0 | 76,3 | 89,0 | 92,1 | 98,0 | 30,2 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **2 (XL)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1937 | 23.133 | 21.205 | 82,2 | 94,0 | 78,8 | 89,0 | 92,1 | 98,0 | 27,9 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **4 (XL JAA)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1938 | 23.995 | 21.205 | 82,1 | 94,0 | 80,2 | 89,0 | 92,1 | 98,0 | 26,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation) **CRJ 100/200**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1, CF34-3B1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1961 | 24.040 | 21.319 | 82,2 | 94,0 | 78,9 | 89,0 | 92,2 | 98,0 | 27,7 |
| A1962 | 24.040 | 21.205 | 82,2 | 94,0 | 78,9 | 89,0 | 92,2 | 98,0 | 27,7 |
| A1963 | 23.995 | 21.319 | 82,2 | 94,0 | 78,8 | 89,0 | 92,2 | 98,0 | 27,8 |
| A1964 | 23.995 | 21.205 | 82,4 | 94,0 | 78,0 | 89,0 | 92,2 | 98,0 | 28,4 |
| A1965 | 23.587 | 21.319 | 82,3 | 94,0 | 78,4 | 89,0 | 92,2 | 98,0 | 28,1 |
| A1966 | 23.587 | 21.205 | 82,3 | 94,0 | 78,4 | 89,0 | 92,2 | 98,0 | 28,1 |
| A1967 | 23.133 | 21.319 | 82,3 | 94,0 | 77,8 | 89,0 | 92,2 | 98,0 | 28,7 |
| A1968 | 22.995 | 21.319 | 82,3 | 94,0 | 77,6 | 89,0 | 92,2 | 98,0 | 28,9 |
| A1969 | 22.995 | 21.205 | 82,3 | 94,0 | 77,6 | 89,0 | 92,2 | 98,0 | 28,9 |
| A1970 | 21.995 | 21.319 | 82,4 | 94,0 | 76,3 | 89,0 | 92,2 | 98,0 | 30,1 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3A1, CF34-3B1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|-------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1971 | 21.995 | 21.205 | 82,4 | 94,0 | 76,3 | 89,0 | 92,2 | 98,0 | 30,1 |
| A1974 | 21.523 | 20.275 | 82,4 | 94,0 | 75,7 | 89,0 | 92,3 | 98,0 | 30,6 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3B1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **68 ("Hot & high")**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1939 | 22.995 | 21.319 | 82,5 | 94,0 | 77,5 | 89,0 | 92,1 | 98,0 | 28,9 |
| A1941 | 21.995 | 21.319 | 82,6 | 94,0 | 76,2 | 89,0 | 92,1 | 98,0 | 30,1 |
| A1942 | 21.995 | 21.205 | 82,6 | 94,0 | 76,2 | 89,0 | 92,1 | 98,0 | 30,1 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3B1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1977 | 24.040 | 21.319 | 82,4 | 94,0 | 78,8 | 89,0 | 92,1 | 98,0 | 27,7 |
| A1978 | 24.040 | 21.205 | 82,4 | 94,0 | 78,8 | 89,0 | 92,1 | 98,0 | 27,7 |
| A1983 | 23.995 | 21.319 | 82,4 | 94,0 | 78,7 | 89,0 | 92,1 | 98,0 | 27,8 |
| A1984 | 23.995 | 21.205 | 82,4 | 94,0 | 78,7 | 89,0 | 92,1 | 98,0 | 27,8 |
| A1987 | 23.587 | 21.319 | 82,3 | 94,0 | 78,5 | 89,0 | 92,1 | 98,0 | 28,1 |
| A1990 | 23.133 | 21.319 | 82,5 | 94,0 | 77,7 | 89,0 | 92,1 | 98,0 | 28,7 |
| A1991 | 23.133 | 21.205 | 82,5 | 94,0 | 77,7 | 89,0 | 92,1 | 98,0 | 28,7 |
| A1994 | 22.995 | 21.319 | 82,4 | 94,0 | 77,6 | 89,0 | 92,1 | 98,0 | 28,9 |
| A1995 | 22.995 | 21.205 | 82,4 | 94,0 | 77,6 | 89,0 | 92,1 | 98,0 | 28,9 |
| A1996 | 21.995 | 21.319 | 82,5 | 94,0 | 76,3 | 89,0 | 92,1 | 98,0 | 30,1 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3B1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|-------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1997 | 21.995 | 21.205 | 82,5 | 94,0 | 76,3 | 89,0 | 92,1 | 98,0 | 30,1 |
| A2002 | 21.520 | 20.280 | 82,7 | 94,0 | 75,7 | 89,0 | 92,4 | 98,0 | 30,2 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2B19**
(Commercial Designation **CRJ 100/200**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-3B1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **68 (“Hot & high”)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A1940 | 22.995 | 21.205 | 82,5 | 94,0 | 77,5 | 89,0 | 92,1 | 98,0 | 28,9 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2C10**
(Commercial Designation **CRJ700**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 6** Chapter* **3**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit |
| A2003 | 34.020 | 30.390 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 |
| A2004 | 34.019 | 30.390 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 |
| A2005 | 33.995 | 30.390 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 |
| A2006 | 32.999 | 30.390 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 |
| A2007 | 32.995 | 30.390 | 89,6 | 94,0 | 82,0 | 89,0 | 92,6 | 98,0 |

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

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2C10**
(Commercial Designation **CRJ700**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1230> (Chapter 4 option)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A72 | 34.020 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A73 | 34.019 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A74 | 33.995 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A75 | 32.999 | 30.391 | 89,6 | 94,0 | 82,0 | 89,0 | 92,6 | 98,0 | 16,8 |
| A76 | 32.995 | 30.391 | 89,6 | 94,0 | 82,0 | 89,0 | 92,6 | 98,0 | 16,8 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2C10**
(Commercial Designation) **CRJ700)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5B1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1230> (Chapter 4 option)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A67 | 34.020 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A68 | 34.019 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A69 | 33.995 | 30.391 | 89,4 | 94,0 | 82,7 | 89,0 | 92,6 | 98,0 | 16,3 |
| A70 | 32.999 | 30.391 | 89,6 | 94,0 | 82,0 | 89,0 | 92,6 | 98,0 | 16,8 |
| A71 | 32.995 | 30.391 | 89,6 | 94,0 | 82,0 | 89,0 | 92,6 | 98,0 | 16,8 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation **CRJ705**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2656 | 38.329 | 34.065 | 89,1 | 94,3 | 83,9 | 89,0 | 92,4 | 98,3 | 16,2 |
| A2655 | 37.995 | 34.065 | 89,1 | 94,3 | 83,6 | 89,0 | 92,4 | 98,3 | 16,5 |
| A2654 | 37.421 | 33.339 | 89,1 | 94,3 | 83,1 | 89,0 | 92,4 | 98,2 | 16,9 |
| A2653 | 36.995 | 33.339 | 89,2 | 94,2 | 82,7 | 89,0 | 92,4 | 98,2 | 17,1 |
| A2652 | 36.514 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,4 | 98,1 | 17,5 |
| A2651 | 36.500 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,4 | 98,1 | 17,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation) **CRJ705**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1228> (Enhanced performance, Reduced Vref)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2662 | 38.329 | 34.065 | 89,1 | 94,3 | 83,9 | 89,0 | 92,3 | 98,3 | 16,3 |
| A2661 | 37.995 | 34.065 | 89,1 | 94,3 | 83,6 | 89,0 | 92,3 | 98,3 | 16,6 |
| A2660 | 37.421 | 33.339 | 89,1 | 94,3 | 83,1 | 89,0 | 92,3 | 98,2 | 17,0 |
| A2659 | 36.995 | 33.339 | 89,2 | 94,2 | 82,7 | 89,0 | 92,3 | 98,2 | 17,2 |
| A2658 | 36.514 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,3 | 98,1 | 17,6 |
| A2657 | 36.500 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,3 | 98,1 | 17,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation **CRJ705**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <2900> (Original performance)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 6** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2667 | 38.329 | 33.339 | 89,2 | 94,3 | 84,6 | 89,0 | 93,2 | 98,3 | 14,6 |
| A2666 | 37.421 | 33.339 | 89,1 | 94,3 | 84,0 | 89,0 | 93,2 | 98,2 | 15,2 |
| A2665 | 36.995 | 33.339 | 89,2 | 94,2 | 83,7 | 89,0 | 93,2 | 98,2 | 15,3 |
| A2664 | 36.514 | 33.339 | 89,2 | 94,2 | 83,4 | 89,0 | 93,2 | 98,1 | 15,5 |
| A2663 | 36.500 | 33.339 | 89,2 | 94,2 | 83,4 | 89,0 | 93,2 | 98,1 | 15,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation **CRJ705**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2013 | 38.329 | 34.065 | 89,4 | 94,3 | 83,5 | 89,0 | 92,4 | 98,3 | 16,3 |
| A2012 | 37.995 | 34.065 | 89,4 | 94,3 | 83,2 | 89,0 | 92,4 | 98,3 | 16,6 |
| A2011 | 37.421 | 33.339 | 89,4 | 94,3 | 82,7 | 89,0 | 92,4 | 98,2 | 17,0 |
| A2010 | 36.995 | 33.339 | 89,5 | 94,2 | 82,3 | 89,0 | 92,4 | 98,2 | 17,2 |
| A2009 | 36.514 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,4 | 98,1 | 17,5 |
| A2008 | 36.500 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,4 | 98,1 | 17,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation) **CRJ705**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1228> (Enhanced performance, Reduced Vref)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2638 | 38.329 | 34.065 | 89,4 | 94,3 | 83,5 | 89,0 | 92,3 | 98,3 | 16,4 |
| A2637 | 37.995 | 34.065 | 89,4 | 94,3 | 83,2 | 89,0 | 92,3 | 98,3 | 16,7 |
| A2636 | 37.421 | 33.339 | 89,4 | 94,3 | 82,7 | 89,0 | 92,3 | 98,2 | 17,1 |
| A2635 | 36.995 | 33.339 | 89,5 | 94,2 | 82,3 | 89,0 | 92,3 | 98,2 | 17,3 |
| A2634 | 36.514 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,3 | 98,1 | 17,6 |
| A2633 | 36.500 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,3 | 98,1 | 17,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D15**
(Commercial Designation **CRJ705**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <2900> (Original performance)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 6** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2672 | 38.329 | 33.339 | 89,4 | 94,3 | 84,5 | 89,0 | 93,2 | 98,3 | 14,5 |
| A2668 | 37.995 | 33.339 | 89,5 | 94,3 | 83,3 | 89,0 | 93,2 | 98,3 | 15,6 |
| A2671 | 37.421 | 33.339 | 89,5 | 94,3 | 83,9 | 89,0 | 93,2 | 98,2 | 14,9 |
| A2670 | 36.995 | 33.339 | 89,5 | 94,2 | 83,6 | 89,0 | 93,2 | 98,2 | 15,1 |
| A2669 | 36.514 | 33.339 | 89,5 | 94,2 | 83,3 | 89,0 | 93,2 | 98,1 | 15,3 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation **CRJ900**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2024 | 38.329 | 34.065 | 89,1 | 94,3 | 83,9 | 89,0 | 92,4 | 98,3 | 16,2 |
| A2025 | 37.995 | 34.065 | 89,1 | 94,3 | 83,6 | 89,0 | 92,4 | 98,3 | 16,5 |
| A2026 | 37.421 | 33.339 | 89,1 | 94,3 | 83,1 | 89,0 | 92,4 | 98,2 | 16,9 |
| A2490 | 36.995 | 33.339 | 89,2 | 94,2 | 82,7 | 89,0 | 92,4 | 98,2 | 17,1 |
| A2027 | 36.514 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,4 | 98,1 | 17,5 |
| A2028 | 36.500 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,4 | 98,1 | 17,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation) **CRJ900)**

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1228> (Enhanced performance, Reduced Vref)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2645 | 38.329 | 34.065 | 89,1 | 94,3 | 83,9 | 89,0 | 92,3 | 98,3 | 16,3 |
| A2646 | 37.995 | 34.065 | 89,1 | 94,3 | 83,6 | 89,0 | 92,3 | 98,3 | 16,6 |
| A2647 | 37.421 | 33.339 | 89,1 | 94,3 | 83,1 | 89,0 | 92,3 | 98,2 | 17,0 |
| A2648 | 36.995 | 33.339 | 89,2 | 94,2 | 82,7 | 89,0 | 92,3 | 98,2 | 17,2 |
| A2649 | 36.514 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,3 | 98,1 | 17,6 |
| A2650 | 36.500 | 33.339 | 89,2 | 94,2 | 82,2 | 89,0 | 92,3 | 98,1 | 17,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation **CRJ900**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <2900> (Original performance)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2014 | 38.329 | 33.339 | 89,2 | 94,3 | 84,6 | 89,0 | 93,2 | 98,3 | 14,6 |
| A2015 | 37.995 | 33.339 | 89,2 | 94,3 | 83,7 | 89,0 | 93,2 | 98,3 | 15,5 |
| A2016 | 37.421 | 33.339 | 89,1 | 94,3 | 84,0 | 89,0 | 93,2 | 98,2 | 15,2 |
| A2017 | 36.514 | 33.339 | 89,2 | 94,2 | 83,4 | 89,0 | 93,2 | 98,1 | 15,5 |
| A2018 | 36.500 | 33.339 | 89,2 | 94,2 | 83,4 | 89,0 | 93,2 | 98,1 | 15,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation **CRJ900**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2029 | 38.329 | 34.065 | 89,4 | 94,3 | 83,5 | 89,0 | 92,4 | 98,3 | 16,3 |
| A2030 | 37.995 | 34.065 | 89,4 | 94,3 | 83,2 | 89,0 | 92,4 | 98,3 | 16,6 |
| A2031 | 37.421 | 33.339 | 89,4 | 94,3 | 82,7 | 89,0 | 92,4 | 98,2 | 17,0 |
| A2491 | 36.995 | 33.339 | 89,5 | 94,2 | 82,3 | 89,0 | 92,4 | 98,2 | 17,2 |
| A2032 | 36.514 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,4 | 98,1 | 17,5 |
| A2033 | 36.500 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,4 | 98,1 | 17,5 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation **CRJ900**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <1228> (Enhanced performance, Reduced Vref)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2639 | 38.329 | 34.065 | 89,4 | 94,3 | 83,5 | 89,0 | 92,3 | 98,3 | 16,4 |
| A2640 | 37.995 | 34.065 | 89,4 | 94,3 | 83,2 | 89,0 | 92,3 | 98,3 | 16,7 |
| A2641 | 37.421 | 33.339 | 89,4 | 94,3 | 82,7 | 89,0 | 92,3 | 98,2 | 17,1 |
| A2642 | 36.995 | 33.339 | 89,5 | 94,2 | 82,3 | 89,0 | 92,3 | 98,2 | 17,3 |
| A2643 | 36.514 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,3 | 98,1 | 17,6 |
| A2644 | 36.500 | 33.339 | 89,5 | 94,2 | 81,9 | 89,0 | 92,3 | 98,1 | 17,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2D24**
(Commercial Designation **CRJ900**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Option Code <2900> (Original performance)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A2019 | 38.329 | 33.339 | 89,4 | 94,3 | 84,5 | 89,0 | 93,2 | 98,3 | 14,5 |
| A2020 | 37.995 | 33.339 | 89,5 | 94,3 | 83,3 | 89,0 | 93,2 | 98,3 | 15,6 |
| A2021 | 37.421 | 33.339 | 89,5 | 94,3 | 83,9 | 89,0 | 93,2 | 98,2 | 14,9 |
| A2022 | 36.995 | 33.339 | 89,5 | 94,2 | 83,6 | 89,0 | 93,2 | 98,2 | 15,1 |
| A2023 | 36.514 | 33.339 | 89,5 | 94,2 | 83,3 | 89,0 | 93,2 | 98,1 | 15,3 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15227 | 41.640 | 36.968 | 89,1 | 94,7 | 85,5 | 89,0 | 93,3 | 98,6 | 14,4 |
| A15228 | 40.995 | 36.968 | 89,1 | 94,6 | 85,1 | 89,0 | 93,3 | 98,5 | 14,6 |
| A15229 | 40.823 | 36.968 | 89,1 | 94,6 | 84,9 | 89,0 | 93,3 | 98,5 | 14,8 |
| A15230 | 39.995 | 36.968 | 89,2 | 94,5 | 84,2 | 89,0 | 93,3 | 98,4 | 15,2 |
| A15231 | 38.995 | 36.968 | 89,2 | 94,4 | 83,3 | 89,0 | 93,3 | 98,4 | 16,0 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5/M**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15232 | 41.640 | 36.968 | 90,9 | 94,7 | 84,1 | 89,0 | 93,3 | 98,6 | 14,0 |
| A15233 | 40.995 | 36.968 | 90,9 | 94,6 | 83,6 | 89,0 | 93,3 | 98,5 | 14,3 |
| A15234 | 40.823 | 36.968 | 90,9 | 94,6 | 83,5 | 89,0 | 93,3 | 98,5 | 14,4 |
| A15235 | 39.995 | 36.968 | 90,9 | 94,5 | 82,8 | 89,0 | 93,3 | 98,4 | 14,9 |
| A15236 | 38.995 | 36.968 | 91,0 | 94,4 | 81,9 | 89,0 | 93,3 | 98,4 | 15,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15237 | 41.640 | 36.968 | 89,4 | 94,7 | 85,4 | 89,0 | 93,3 | 98,6 | 14,2 |
| A15238 | 40.995 | 36.968 | 89,4 | 94,6 | 84,8 | 89,0 | 93,3 | 98,5 | 14,6 |
| A15239 | 40.823 | 36.968 | 89,4 | 94,6 | 84,7 | 89,0 | 93,3 | 98,5 | 14,7 |
| A15240 | 39.995 | 36.968 | 89,5 | 94,5 | 84,0 | 89,0 | 93,3 | 98,4 | 15,1 |
| A15241 | 38.995 | 36.968 | 89,5 | 94,4 | 83,0 | 89,0 | 93,3 | 98,4 | 16,0 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A1/M**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15242 | 41.640 | 36.968 | 90,9 | 94,7 | 84,1 | 89,0 | 93,3 | 98,6 | 14,0 |
| A15243 | 40.995 | 36.968 | 90,9 | 94,6 | 83,6 | 89,0 | 93,3 | 98,5 | 14,3 |
| A15244 | 40.823 | 36.968 | 90,9 | 94,6 | 83,5 | 89,0 | 93,3 | 98,5 | 14,4 |
| A15245 | 39.995 | 36.968 | 90,9 | 94,5 | 82,8 | 89,0 | 93,3 | 98,4 | 14,9 |
| A15246 | 38.995 | 36.968 | 91,0 | 94,4 | 81,9 | 89,0 | 93,3 | 98,4 | 15,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A2**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15247 | 41.640 | 36.968 | 89,8 | 94,7 | 85,0 | 89,0 | 93,3 | 98,6 | 14,2 |
| A15248 | 40.995 | 36.968 | 89,8 | 94,6 | 84,5 | 89,0 | 93,3 | 98,5 | 14,5 |
| A15249 | 40.823 | 36.968 | 89,8 | 94,6 | 84,3 | 89,0 | 93,3 | 98,5 | 14,7 |
| A15250 | 39.995 | 36.968 | 89,8 | 94,5 | 83,6 | 89,0 | 93,3 | 98,4 | 15,2 |
| A15251 | 38.995 | 36.968 | 89,9 | 94,4 | 82,7 | 89,0 | 93,3 | 98,4 | 15,9 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Type Certificate Holder* **Bombardier Inc.** Aircraft Type Designation* **CL-600-2E25**
(Commercial Designation **CRJ1000**)

Engine Manufacturer* **General Electric** Engine Type Designation* **CF34-8C5A2/M**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** Chapter* **4**

| EASA Record No. | Maximum Mass | | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Cumulative Margin** |
|-----------------|----------------|---------------|--------------|-------------|--------------|-------------|---------------|-------------|---------------------|
| | Take-off* (kg) | Landing* (kg) | Level* | Limit | Level* | Limit | Level* | Limit | |
| A15252 | 41.640 | 36.968 | 90,9 | 94,7 | 84,1 | 89,0 | 93,3 | 98,6 | 14,0 |
| A15253 | 40.995 | 36.968 | 90,9 | 94,6 | 83,6 | 89,0 | 93,3 | 98,5 | 14,3 |
| A15254 | 40.823 | 36.968 | 90,9 | 94,6 | 83,5 | 89,0 | 93,3 | 98,5 | 14,4 |
| A15255 | 39.995 | 36.968 | 90,9 | 94,5 | 82,8 | 89,0 | 93,3 | 98,4 | 14,9 |
| A15256 | 38.995 | 36.968 | 91,0 | 94,4 | 81,9 | 89,0 | 93,3 | 98,4 | 15,6 |

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

** For compliance with Chapter 4 the cumulative margin must be at least 10 EPNdB

Change Record

| Issue | Date | Changes |
|--------------|------------------|--|
| Issue 1 | 08 January 2007 | Initial Issue |
| Issue 2 | 21 February 2007 | Revised |
| Issue 3 | 30 April 2007 | Revised |
| Issue 4 | 15 January 2008 | Revised record A5838 |
| Issue 5 | 21 July 2010 | Revised |
| Issue 6 | 08 November 2010 | Added CL-600-2E25 (CRJ1000): Records A15227 to 15256 |
| Issue 7 | 19 January 2011 | Deleted CL-600-2B19 records linked to Chapter 3; Remove "Chapter 4 option" code from CL-600-2B19 records |