



ICAO Noise Data Base

ID:BOMBARDIER_10437

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BOMBARDIER
 Commercial name
 Type CL-600-2B16 Version Challenger 604

ENGINE

Type CF-34-3B
 Number of Engines 2
 Nacelle short duct
 Propeller
 Thrust (Sea Level Static) 38.80 kN
 ByPass Ratio(SLS) 6.3
 Maximum Take-Off Mass 21591 (Kg) Slats/Flaps /20
 Maximum Landing Mass 17236 (Kg) Slats/Flaps /45

NOISE CERTIFICATION STANDARD

Noise Regulation ICAO Annex 16, Volume I
 Chapter or Stage 4

MODIFICATIONS

	Aircraft	Engine
Modification Number	SB 604?11?016	
Modification Description	Compliance with Chapter 4	

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	84.6	91.3	80.9
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	9.4	6.7	8.1

Cumulative Margin (EPNdB) 24.20

Remarks Dossier n° RAU-601-119 issue F

Date of Certification /05/14 Certification Authority TCA

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ICAO Noise Data Base

ID:DASSAULT_10106

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer DASSAULT-AVIATION
 Commercial name
 Type Falcon 900 Version C

ENGINE

Type TFE731-5BR(-1C)
 Number of Engines 3
 Nacelle
 Propeller
 Thrust (Sea Level Static) 21.10 kN
 ByPass Ratio(SLS) 3.7
 Maximum Take-Off Mass 21092 (Kg) Slats/Flaps 20-30/20
 Maximum Landing Mass 19051 (Kg) Slats/Flaps 20-30/40

NOISE CERTIFICATION STANDARD

Noise Regulation ICAO Annex 16, Volume I
 Chapter or Stage 3

MODIFICATIONS

	Aircraft	Engine
Modification Number	M1975 or M2695	
Modification Description	Primus 2000 avionics	

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	91.2	91.7	80.7
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	2.8	6.3	8.3

Cumulative Margin (EPNdB) 17.40

Remarks EASA record Id A3801

Date of Certification 15/06/99 Certification Authority EASA

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ICAO Noise Data Base

ID:GULFSTREAM_10001

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer GULFSTREAM
 Commercial name
 Type GIV-SP Version

ENGINE

Type TAY Mk 611-8
 Number of Engines 2
 Nacelle
 Propeller
 Thrust (Sea Level Static) 61.60 kN
 ByPass Ratio(SLS) 3.0
 Maximum Take-Off Mass 33838 (Kg) Slats/Flaps 0/20
 Maximum Landing Mass 29937 (Kg) Slats/Flaps 0/39

NOISE CERTIFICATION STANDARD

Noise Regulation FAA FAR Part 36
 Chapter or Stage 3

MODIFICATIONS

	Aircraft	Engine
Modification Number	ASC 190	
Modification Description	Increased Ramp, Landing and Zero Fuel Weight	

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	87.6	93.3	79
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	6.4	4.7	10

Cumulative Margin (EPNdB) 21.10

Remarks -

Date of Certification / / Certification Authority FAA

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ICAO Noise Data Base

ID:LEARJET_10002

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BOMBARDIER
 Commercial name
 Type Learjet 35A/36A Version

ENGINE

Type TFE 731-2-2B
 Number of Engines 2
 Nacelle long duct
 Propeller
 Thrust (Sea Level Static) 15.60 kN
 ByPass Ratio(SLS) 2.6
 Maximum Take-Off Mass 8165 (Kg) Slats/Flaps 0/8
 Maximum Landing Mass 6486 (Kg) Slats/Flaps 0/40

NOISE CERTIFICATION STANDARD

Noise Regulation ICAO Annex 16, Volume I/FAA FAR Part 36/AM516
 Chapter or Stage 3

MODIFICATIONS

	Aircraft	Engine
Modification Number		
Modification Description		

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	87.4	91.3	78.7
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	6.6	6.7	10.3

Cumulative Margin (EPNdB) 23.60

Remarks Flyover at cut-back power, Dossier n° OOPR16

Date of Certification /04/76 Certification Authority FAA/TCA

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ICAO Noise Data Base

ID:LEARJET_10029

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BOMBARDIER
 Commercial name
 Type Learjet 45 Version

ENGINE

Type TFE731-20BR-1B
 Number of Engines 2
 Nacelle long duct
 Propeller
 Thrust (Sea Level Static) 16.20 kN
 ByPass Ratio(SLS) 3.1
 Maximum Take-Off Mass 9752 (Kg) Slats/Flaps 0/8
 Maximum Landing Mass 8709 (Kg) Slats/Flaps 0/40

NOISE CERTIFICATION STANDARD

Noise Regulation ICAO Annex 16, Volume I, Appendix 2, Amendment 7, FAA 14 CFR Part 36, Appendix B, Amen
 Chapter or Stage 4

MODIFICATIONS

	Aircraft	Engine
Modification Number		
Modification Description		

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	85	93.4	75.5
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	9	4.6	13.5

Cumulative Margin (EPNdB) 27.10

Remarks Flyover at cut-back power, LJ Vendor AAAI Report 1407

Date of Certification 19/05/04 Certification Authority FAA/TCA/EASA

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ICAO Noise Data Base

ID:LEARJET_10021

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BOMBARDIER
 Commercial name
 Type Learjet 60 Version

ENGINE

Type PW305A
 Number of Engines 2
 Nacelle long duct
 Propeller
 Thrust (Sea Level Static) 20.80 kN
 ByPass Ratio(SLS) 4.4
 Maximum Take-Off Mass 10478 (Kg) Slats/Flaps 0/8
 Maximum Landing Mass 8845 (Kg) Slats/Flaps 0/40

NOISE CERTIFICATION STANDARD

Noise Regulation ICAO Annex 16, Volume I/FAA FAR Part 36/AM516
 Chapter or Stage 3

MODIFICATIONS

	Aircraft	Engine
Modification Number		
Modification Description		

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	83.1	87.7	70.8
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	10.9	10.3	18.2

Cumulative Margin (EPNdB) 39.40

Remarks Dossier n° 60-SD02

Date of Certification /03/93 Certification Authority FAA/TCA

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