



# ICAO Noise Data Base

ID:LEARJET\_10025

## MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BOMBARDIER  
 Commercial name  
 Type Learjet 45 Version

## ENGINE

Type TFE731-20R-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 9299 (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, Amendment 4  
 Chapter or Stage 4

## MODIFICATIONS

	Aircraft	Engine
Modification Number		
Modification Description		

	Lateral/Full-Power	Approach	Flyover
Noise Level (EPNdB)	85.1	93.4	74.4
Noise Limit (EPNdB)	94	98	89
Margin (EPNdB)	8.9	4.6	14.6

Cumulative Margin (EPNdB) 28.10

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

Date of Certification 29/06/99 Certification Authority FAA/TCA/EASA