



# ICAO Noise Data Base

ID:BAE\_10086

## MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

Manufacturer BAE Systems  
Commercial name  
Type Bae 146 Version Series 100-01

## ENGINE

Type ALF 502R-3A  
Number of Engines 4  
Nacelle  
Propeller  
Thrust (Sea Level Static) 31.00 kN  
ByPass Ratio(SLS) 5.7  
Maximum Take-Off Mass 34473 (Kg) Slats/Flaps /18  
Maximum Landing Mass 32817 (Kg) Slats/Flaps /33

## NOISE CERTIFICATION STANDARD

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

## MODIFICATIONS

|                          | Aircraft | Engine                     |
|--------------------------|----------|----------------------------|
| Modification Number      |          | Standard Option 71-1       |
| Modification Description |          | Nacelle acoustic treatment |

|                     | Lateral/Full-Power | Approach | Flyover |
|---------------------|--------------------|----------|---------|
| Noise Level (EPNdB) | 88                 | 94.9     | 79      |
| Noise Limit (EPNdB) | 94                 | 98       | 92.1    |
| Margin (EPNdB)      | 6                  | 3.1      | 13.1    |

Cumulative Margin (EPNdB) **22.20**

Remarks EASA record Id A2059

Date of Certification 10/12/84 Certification Authority EASA