



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.A.062

for

MF50, MF900, F900EX

Type Certificate Holder:

Dassault Aviation

9 Rond Point Marcel Dassault

75008 PARIS

France

For models: Falcon 900EX
Mystere Falcon 50
Mystere Falcon 900



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Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M3000 (Engine retrofit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter¹ **3**

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	
A3802	22,226	20,185	90.5	94.0	79.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M3000 (Engine retrofit), M5393 (AFM Revision 9 (or higher), Extension to chapter 4 noise limits for F900EX and F900EX EASy version)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** 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	
A10985	22,226	20,185	90.5	94.0	79.8	89.0	92.3	98.0	3

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**
(Commercial Designation) **Falcon 900EX EASy)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M3000 (Engine retrofit), M3083 (EASy cockpit)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter¹ **3**

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	
A3803	22,226	20,185	90.5	94.0	79.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**
(Commercial Designation **Falcon 900EX EASy**)

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M3000 (Engine retrofit), M3083, M5393 (EASy cockpit - AFM Revision 7 (or higher), Extension to chapter 4 noise limits for F900EX and F900EX EASy version)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** 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	
A7067	22,226	20,185	90.5	94.0	79.8	89.0	92.3	98.0	2

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**
(Commercial Designation) **Falcon 900DX)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M3000 (Engine retrofit), M4000 (F900DX Definition)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 7** 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	
A1065	21,183	19,142	90.6	94.0	78.7	89.0	92.2	98.0	4

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**
(Commercial Designation) **Falcon 900DX)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M5051, M4000 (MRW, MTOW AND MLW INCREASE)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** 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	
A10764	22,226	20,185	90.5	94.0	79.8	89.0	92.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Falcon 900EX**
(Commercial Designation) **Falcon 900LX)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M5281, M5535 (Winglets, External slats setting adaptation)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A14418	22,226	20,185	90.3	94.0	78.2	89.0	92.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 50**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-3(-1C)**

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 2 / Amendment 3** Chapter¹ **3**

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	
A3794	18,500	16,200	91.5	94.0	84.8	89.0	97.1	98.0	6
A3795	17,600	16,200	91.6	94.0	83.0	89.0	97.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 50**
(Commercial Designation) **Falcon 50EX)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-40(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M1810, M2193 (Engine retrofit, thrust increase)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 3 / Amendment 4** Chapter¹ **3**

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	
A3796	18,500	16,200	92.7	94.0	83.0	89.0	95.2	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 50**
(Commercial Designation) **Falcon 50EX)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-40(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **AFM Revision 9 (or higher) (Recertification to Chapter 4)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 4 / Amendment 8** 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	
A10761	18,500	16,200	92.3	94.0	79.9	89.0	95.2	98.0	5

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 900**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-5AR(-1C)**

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 1 / Amendment 2** Chapter¹ **3**

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	
A3798	21,092	19,051	89.5	94.0	82.9	89.0	91.7	98.0	7
A3797	20,639	19,051	89.5	94.0	81.9	89.0	91.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 900**
(Commercial Designation) **Falcon 900B)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-5BR(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M1200, M1548 (Installation of TFE731-5BR-1C engines)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / Amendment 3** Chapter¹ **3**

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	
A3799	21,092	19,051	91.2	94.0	80.7	89.0	91.7	98.0	7
A10762	20,639	19,051	91.2	94.0	79.8	89.0	91.7	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Dassault Aviation** Aircraft Type Designation¹ **Mystere Falcon 900**
(Commercial Designation) **Falcon 900C)**

Engine Manufacturer¹ **Allied Signal** Engine Type Designation¹ **TFE731-5BR(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **M1975 or M2695 (Primus 2000 avionics)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / Amendment 3** Chapter¹ **3**

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	
A3801	21,092	19,051	91.2	94.0	80.7	89.0	91.7	98.0	7
A10763	20,639	19,051	91.2	94.0	79.8	89.0	91.7	98.0	-

¹ See Note 1.



TCDSN EASA.A.062 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. Aircraft with AFM Revision 7 (or higher) have M5393 embodied.
3. Aircraft with AFM Revision 9 (or higher) have M5393 embodied.
4. M4000, Decrease in MTOW.
5. Aircraft with AFM Revision 9 (or higher) have M2984 (Take-off configuration SFO) embodied.
6. M1230, Increase in MTOW.
7. M1196, Increase in MTOW.

Change Record

Issue	Date	Changes
Issue 1	08 January 2007	Initial Issue
Issue 2	23 January 2008	Revised
Issue 3	05 February 2008	Revised
Issue 4	15 October 2009	Revised
Issue 5	20 November 2009	Revised
Issue 6	05 August 2010	Model Falcon 900LX introduced
Issue 7	22 September 2017	Added modification M5081
Issue 8	12 May 2020	Revised

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