

European Aviation Safety Agency

EASA

TYPE-CERTIFICATE DATA SHEET FOR NOISE

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 Holder* **Dassault Aviation** Aircraft Type Designation* **Falcon 900EX**
 Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **M3000 (Engine retrofit)**
 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
A3802	22.226	20.185	90,5	94,0	79,8	89,0	92,3	98,0

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**

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

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	
A1065	21.183⁽¹⁾	19.142	90,6	94,0	78,7	89,0	92,2	98,0	19,5

(1) M4000, Decrease in MTOW

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **M5051, M4000 (Applicable to aircraft serial numbers 149 and 156 only)**

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	
A10764	22.226	20.185	90,5	94,0	79,8	89,0	92,3	98,0	18,4

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**

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

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
A3803	22.226	20.185	90,5	94,0	79,8	89,0	92,3	98,0

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **M3000 (Engine retrofit), M3083, AFM Revision 7 (or higher) (EASy cockpit, Recertification to Chapter 4)⁽¹⁾**

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	
A7067	22.226	20.185	90,5	94,0	79,8	89,0	92,3	98,0	18,4

(1) Aircraft with AFM Revision 7 (or higher) have M5393 embodied

* 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* **Dassault Aviation**

Aircraft Type Designation* **Falcon 900EX**

Engine Manufacturer* **Allied Signal**

Engine Type Designation* **TFE731-60(-1C)**

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

M3000 (Engine retrofit), AFM Revision 9 (or higher) (Recertification to Chapter 4)⁽¹⁾

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	
A10985	22.226	20.185	90,5	94,0	79,8	89,0	92,3	98,0	18,4

(1) Aircraft with AFM Revision 9 (or higher) have M5393 embodied

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-60(-1C)**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 5 / Amendment 9** 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	
A14418	22.226	20.185	90,3	94,0	78,2	89,0	92,1	98,0	20,4

* 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* **Dassault Aviation** Aircraft Type Designation* **Mystere Falcon 50**
 Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-3(-1C)**
 Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **None**
 Noise Certification Basis **ICAO Annex 16, Volume** 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
A3794	18.500⁽¹⁾	16.200	91,5	94,0	84,8	89,0	97,1	98,0
A3795	17.600	16.200	91,6	94,0	83,0	89,0	97,1	98,0

(1) M1230, Increase in MTOW

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-40(-1C)**

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

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
A3796	18.500	16.200	92,7	94,0	83,0	89,0	95,2	98,0

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-40(-1C)**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels* **AFM Revision 9 (or higher) (Recertification to Chapter 4)⁽¹⁾**

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	
A10761	18.500	16.200	92,3	94,0	79,9	89,0	95,2	98,0	13,6

(1) Aircraft with AFM Revision 9 (or higher) have M2984 embodied

* 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* **Dassault Aviation** Aircraft Type Designation* **Mystere Falcon 900**
 Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-5AR(-1C)**
 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
A3798	21.092⁽¹⁾	19.051	89,5	94,0	82,9	89,0	91,7	98,0
A3797	20.639	19.051	89,5	94,0	81,9	89,0	91,7	98,0

(1) M1196, Increase in MTOW

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-5BR(-1C)**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / 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
A3799	21.092⁽¹⁾	19.051	91,2	94,0	80,7	89,0	91,7	98,0
A10762	20.639	19.051	91,2	94,0	79,8	89,0	91,7	98,0

(1) M1196, Increase in MTOW

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

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

Engine Manufacturer* **Allied Signal** Engine Type Designation* **TFE731-5BR(-1C)**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 1 / 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
A3801	21.092⁽¹⁾	19.051	91,2	94,0	80,7	89,0	91,7	98,0
A10763	20.639	19.051	91,2	94,0	79,8	89,0	91,7	98,0

(1) M1196, Increase in MTOW

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

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