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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

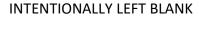
For models: Falcon 900EX

> 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 M3000 (Engine retrofit)

certificated noise levels1

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

| EASA | Maximu | ım Mass | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Soo |
|------------|-------------------------------|------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| A3802 | 22,226 | 20,185 | 90.5 | 94.0 | 79.8 | 89.0 | 92.3 | 98.0 | - |

¹ See Note 1.



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Type Certificate Holder¹ Dassault Aviation Aircraft Type Designation¹ Falcon 900EX

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

 $\label{lem:conditional} \mbox{ Additional modifications essential to meet the requirements or needed to attain the} \\$

certificated 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 | | um Mass | Latera | I EPNL | Flyove | r EPNL | Approach EPNL | | Soc |
|-----------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|-------------|
| Record No | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| A10985 | 22,226 | 20,185 | 90.5 | 94.0 | 79.8 | 89.0 | 92.3 | 98.0 | 3 |

¹ See Note 1.



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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 M3000 (Engine retrofit), M3083 (EASy cockpit)

certificated noise levels¹

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

| EASA | Maximu | m Mass | Lateral EPNL | | Flyover EPNL | | Approach EPNL | | Soo |
|------------|-------------------|------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|-------------|
| Record No. | Take-off¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| A3803 | 22,226 | 20,185 | 90.5 | 94.0 | 79.8 | 89.0 | 92.3 | 98.0 | - |

¹ See Note 1.



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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 certificated 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 | Maximu | ım Mass | Latera | I EPNL | Flyove | r EPNL | Approach EPNL | | See |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | Note |
| A7067 | 22,226 | 20,185 | 90.5 | 94.0 | 79.8 | 89.0 | 92.3 | 98.0 | 2 |

¹ See Note 1.



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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 M3000 (Engine retrofit), M4000 (F900DX Definition)

certificated noise levels¹

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 3 / Amendment 7 Chapter¹ 4

| EASA | TVIGATITICATION IN 10000 | | Latera | I EPNL | Flyove | r EPNL | Approach EPNL | | Soo |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| A1065 | 21,183 | 19,142 | 90.6 | 94.0 | 78.7 | 89.0 | 92.2 | 98.0 | 4 |

¹ See Note 1.



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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 M5051, M4000 (MRW, MTOW AND MLW INCREASE)

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 4 / Amendment 8 Chapter¹ 4

| EASA | Maximu | m Mass | Latera | l EPNL | Flyove | r EPNL | Approach EPNL | | See |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | Note |
| A10764 | 22,226 | 20,185 | 90.5 | 94.0 | 79.8 | 89.0 | 92.3 | 98.0 | - |

¹ See Note 1.



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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 M5281, M5535 (Winglets, External slats setting adaptation)

certificated noise levels¹

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 5 / Amendment 9 Chapter¹ 4

| EASA | Maximu | ım Mass | Latera | I EPNL | Flyove | r EPNL | Approa | ch EPNL | See |
|------------|-------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|---------|------|
| Record No. | Take-off¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | Note |
| A14418 | 22,226 | 20,185 | 90.3 | 94.0 | 78.2 | 89.0 | 92.1 | 98.0 | - |

¹ See Note 1.



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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 **None**

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 2 / Amendment 3 Chapter¹ 3

| EASA | Maximu | ım Mass | Latera | l EPNL | Flyove | r EPNL | Approach EPNL | | Soc |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| 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.



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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 M1810, M2193 (Engine retrofit, thrust increase)

certificated noise levels1

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

| EASA | Maximum Mass | | Latera | I EPNL | Flyover EPNL | | Approach EPNL | | Soo |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|-------|--------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| A3796 | 18,500 | 16,200 | 92.7 | 94.0 | 83.0 | 89.0 | 95.2 | 98.0 | - |

¹ See Note 1.



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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 AFM Revision 9 (or higher) (Recertification to Chapter 4)

certificated noise levels1

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 4 / Amendment 8 Chapter¹ 4

| EASA | Maximu | ım Mass | Latera | I EPNL | Flyove | r EPNL | Approa | ch EPNL | See |
|------------|-------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|---------|------|
| Record No. | Take-off¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | Note |
| A10761 | 18,500 | 16,200 | 92.3 | 94.0 | 79.9 | 89.0 | 95.2 | 98.0 | 5 |

¹ See Note 1.



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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 **None**

certificated noise levels¹

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 1 / Amendment 2 Chapter 3

| EASA | Maximu | ım Mass | Latera | I EPNL | Flyove | r EPNL | Approach EPNL | | Soo |
|------------|-------------------------------|------------------------------|--------------------|--------|--------------------|--------|--------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| 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.



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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 M1200, M1548 (Installation of TFE731-5BR-1C engines)

certificated noise levels1

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

| EASA | Maximu | ım Mass | ass Lateral E | | Flyove | r EPNL | r EPNL Approach EPNL | | Soo |
|------------|-------------------------------|------------------------------|--------------------|-------|--------------------|--------|----------------------|-------|-------------|
| Record No. | Take-off ¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| 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.



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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 M1975 or M2695 (Primus 2000 avionics)

certificated noise levels¹

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 | | Soo |
|--------------------|-------------------|------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|-------------|
| | Take-off¹ (kg) | Landing ¹ (kg) | Level ¹ | Limit | Level ¹ | Limit | Level ¹ | Limit | See Note |
| 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.



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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.



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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 |

-END-