

**DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION**

A00002AC  
Revision 22  
Eclipse Aerospace  
EA500  
January 7, 2021

**TYPE CERTIFICATE DATA SHEET NO. A00002AC**

This data sheet, which is part of Type Certificate No. A00002AC, prescribes conditions and limitations under which the product for which the type certificate was issued meets the Airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder: Eclipse Aerospace, Inc.  
43W514 US Route 30  
Sugar Grove, IL 60554

Type Certificate Holder Record: Eclipse Aerospace, Inc (a subsidiary of ONE Aviation) transferred ownership to Eclipse Aerospace, Inc. (a subsidiary of AML Global Eclipse), retaining the same address, on December 8, 2020.

..... Eclipse Aviation Corporation transferred ownership to Eclipse Aerospace, Inc., retaining the same address, on September 30, 2009.

.....  
..... Type Certificate originally issued to Eclipse Aviation Corporation on September 30, 2006.

**I. Model EA500, (Eclipse 500) (Normal Category), Approved September 30, 2006 (Serial Numbers 000001 through 000038)**

Engines Two Pratt & Whitney Canada PW610F-A,  
Type Certificate Data Sheet (TCDS) E00074EN

Fuel JET A and Jet A-1 per ASTM D 1655; JP-8 per MIL-T-83133

Fuels not containing icing inhibitors must have MIL-I-27686, MIL-I-85470, or Phillips PFA-55MB fuel system icing inhibitors blended into the aircraft fuel at concentrations not less than 0.10% but no more than 0.15% by volume. The minimum fuel icing inhibitor content during refueling is 0.10% by volume.

**Engine Limits**

	N1(%)	N2(%)	MAX ITT (°C)	Time Limit
Maximum Take-off	102	100	795	5 minutes
Max. Continuous	102	100	795	Continuous
APR	102	100	795	10 minutes
Transient	103	102	850	20 seconds

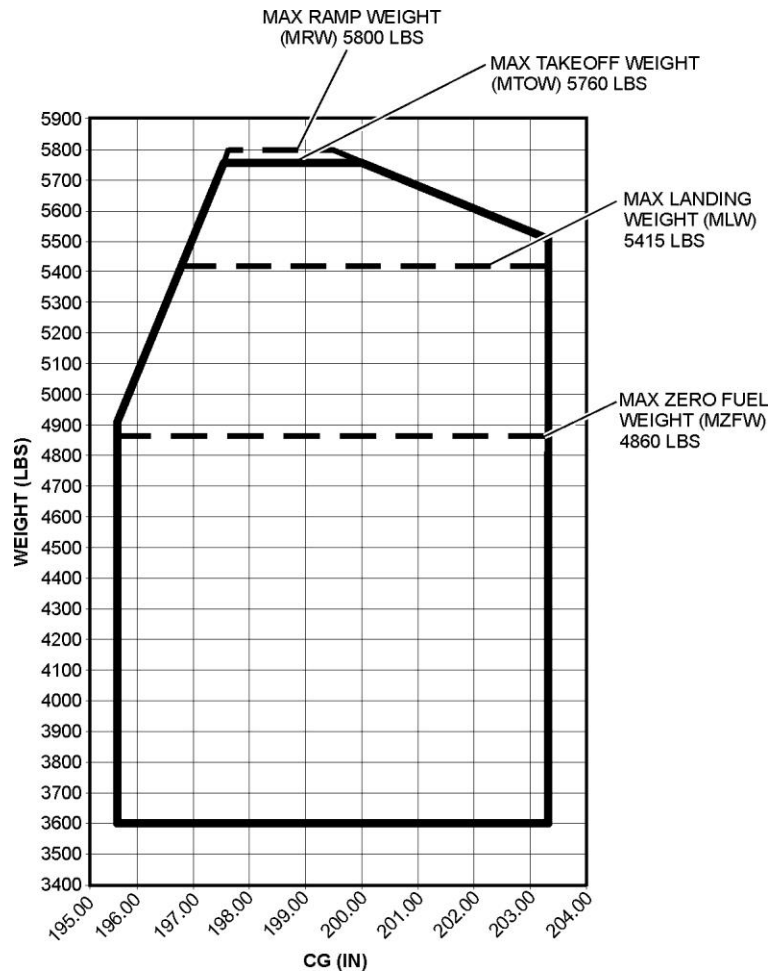
**Airspeed Limits**

V <sub>o</sub>	Maximum Operating Maneuvering Speed	180 KEAS
V <sub>MO</sub>	Maximum Operating Airspeed	275 KEAS
M <sub>MO</sub>	Maximum Operating Mach	0.64 M
V <sub>FE</sub> (Flap T/O)	Maximum Flap Extended Speed	200 KEAS
V <sub>FE</sub> (Flap LDG)	Maximum Flap Extended Speed	120 KEAS
V <sub>LO</sub>	Maximum Landing Gear Operating Speed	200 KEAS
V <sub>LE</sub>	Maximum Landing Gear Extended Speed	275 KEAS
Maximum tire ground speed		139 KNOTS

Page No.	1	2	3	4	5	6	7	8	9	10	11
Rev. No	21	21	21	4	1	7	18	21	19	20	21

Rev 19: Oil Capacity, added "see AFM for recommended oil types"; Changed to Part 36 Amdmt 36-28; Note 2, added "See AFM for Operating Limitations".

## Center of Gravity (C.G.) Range



Forward limits: 195.65 inches aft of datum up to 4,910 lbs with a straight line taper to 197.5 inches at 5,760 lbs.

Aft Limits: 203.25 inches aft of datum up to 5,509 lbs with a straight line taper to 200.0 inches at 5,760 lbs.

Empty Weight. C.G. Range None

Minimum Crew 1 Pilot plus required equipment as specified in the FAA Approved Airplane Flight Manual (AFM)

Maximum Weights	Max. Ramp	5,800 lbs
	Max. Takeoff	5,760 lbs
	Max. Landing	5,415 lbs
	Max. Zero Fuel	4,860 lbs

Number of Seats 6 Max (Includes pilot and crew); Refer to the FAA Approved Airplane Flight Manual (AFM), Document No. 06-100106, revision 4, dated December 13, 2007 or later FAA approved revision, reference Section 6 for seat configurations and moment arms.

Maximum Compartments 260 lbs; 1 compartment, moment arm 217.92 inches aft of datum  
 Weights Baggage Compartment floor loading is 100 lb/ft<sup>2</sup>  
 Cabin floor loading is 80 lb/ft<sup>2</sup>

Fuel Capacity	227.5 gallons (USG) total; 224 gallons (USG) usable; 3.5 gallons (USG) unusable Moment arm 198 inches aft of datum
Oil Capacity	6.48 quarts (USQ) total per engine; 1.15 quarts (USQ) usable per engine
Maximum Operating Altitude	Takeoff 10,000 ft MSL Operating 41,000 ft MSL

## Control Surface Movements

Elevator	UP	$25^{\circ} \pm 0.5^{\circ}$	DOWN	$15^{\circ} \pm 0.5^{\circ}$
Elevator Trim				
Tab	UP	$20.0^{\circ} \pm 1.0^{\circ}$	DOWN	$20.0^{\circ} \pm 1.0^{\circ}$
Ailerons	UP	$15.5^{\circ} + 0.5^{\circ} / -0.2^{\circ}$	DOWN	$11.6^{\circ} + 0.5^{\circ} / -0.2^{\circ}$
Aileron Trim	UP	$5.4^{\circ} \pm 0.3^{\circ}$	DOWN	$4.8^{\circ} \pm 0.3^{\circ}$
Rudder	LEFT	$30^{\circ} \pm 0.5^{\circ}$	RIGHT	$30^{\circ} \pm 0.5^{\circ}$
Rudder Trim				
Tab	LEFT	$20.0^{\circ} \pm 1.0^{\circ}$	RIGHT	$20.0^{\circ} \pm 1.0^{\circ}$
Flaps	Cruise	$0^{\circ} \pm 0.5^{\circ}$		
	Takeoff	$16.8^{\circ} \pm 0.5^{\circ}$		
	Landing	$33.8^{\circ} \pm 1.0^{\circ}$		

**For serial numbers 000039 through 000104, 000113 through 000115, 000120 and 000123 through 000124.**

**For serial numbers 000001 through 000038 which incorporate Eclipse FAA approved Service Bulletin, SB 500-99-001.**

Engines	Two Pratt & Whitney Canada PW610F-A, Type Certificate Data Sheet (TCDS) E00074EN
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Fuel	JET A and Jet A-1 per ASTM D 1655; JP-8 per MIL-T-83133
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Fuels not containing icing inhibitors must have MIL-I-27686, MIL-I-85470, or Phillips PFA-55MB fuel system icing inhibitors blended into the aircraft fuel at concentrations not less than 0.10% but no more than 0.15% by volume. The minimum fuel icing inhibitor content during refueling is 0.10% by volume.

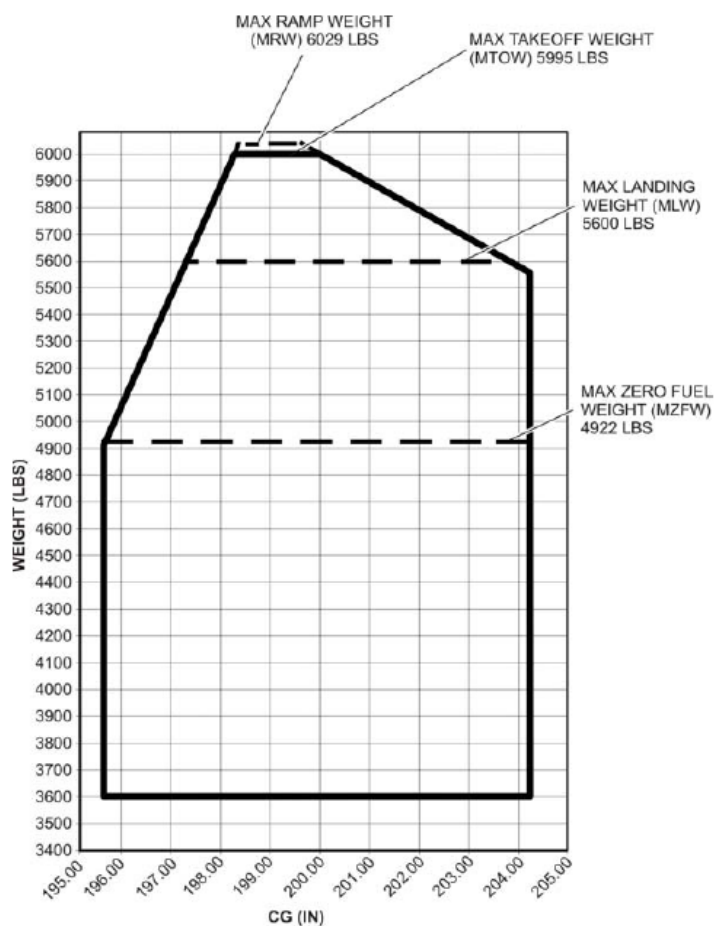
## Engine Limits

	N1(%)	N2(%)	MAX ITT (°C)	Time Limit
Maximum Take-off	102	100	795	5 minutes
Max. Continuous	102	100	795	Continuous
APR	102	100	795	10 minutes
Transient	103	102	850	20 seconds

## Airspeed Limits

V <sub>o</sub>	Maximum Operating Maneuvering Speed	180 KEAS
V <sub>MO</sub>	Maximum Operating Airspeed	285 KEAS
M <sub>MO</sub>	Maximum Operating Mach	0.64 M
V <sub>FE</sub> (Flap T/O)	Maximum Flap Extended Speed	200 KEAS
V <sub>FE</sub> (Flap LDG)	Maximum Flap Extended Speed	120 KEAS
V <sub>LO</sub>	Maximum Landing Gear Operating Speed	200 KEAS
V <sub>LE</sub>	Maximum Landing Gear Extended Speed	285 KEAS
Maximum tire ground speed		139 KNOTS

## Center of Gravity (C.G.) Range



Forward limits: 195.65 inches aft of datum up to 4,922 lbs with a straight line taper to 197.91 inches at 5,995 lbs.

Aft Limits: 204.37 inches aft of datum up to 5,461 lbs with a straight line taper to 199.74 inches at 5,995 lbs.

Empty Weight. C.G. Range None.

Maximum Weights	Max. Ramp	6,029 lbs
	Max. Takeoff	5,995 lbs
	Max. Landing	5,600 lbs
	Max. Zero Fuel	4,922 lbs

Minimum Crew 1 Pilot plus required equipment as specified in the FAA Approved Airplane Flight Manual (AFM)

Number of Seats 6 Max (Includes pilot and crew); Refer to the FAA Approved Airplane Flight Manual (AFM), Document No. 06-121654, revision 1, dated January 28, 2008 or later FAA approved revision, reference Section 6 for seat configurations and moment arms.

Maximum Compartments Weights	260 lbs; 1 compartment, moment arm 217.92 inches aft of datum
	Baggage Compartment floor loading is 100 lb/ft <sup>2</sup>
	Cabin floor loading is 80 lb/ft <sup>2</sup>

Fuel Capacity	254.4 gallons (USG) total; 250.9 gallons (USG) usable; 3.5 gallons (USG) unusable Moment arm 198 inches aft of datum
Oil Capacity	6.088 quarts (USQ) total per engine; 0.832 quarts (USQ) usable per engine
Maximum Operating Altitude	Takeoff 10,000 ft MSL Operating 41,000 ft MSL

## Control Surface Movements

Elevator	UP	$25^{\circ} \pm 0.5^{\circ}$	DOWN	$15^{\circ} \pm 0.5^{\circ}$
Elevator Trim				
Tab	UP	$4.1^{\circ} \pm 1.0^{\circ}$	DOWN	$20.0^{\circ} \pm 1.0^{\circ}$
Ailerons	UP	$15.5^{\circ} + 0.5^{\circ} / -0.2^{\circ}$	DOWN	$11.6^{\circ} + 0.5^{\circ} / -0.2^{\circ}$
Aileron Trim	UP	$5.4^{\circ} \pm 0.3^{\circ}$	DOWN	$4.8^{\circ} \pm 0.3^{\circ}$
Rudder	LEFT	$30^{\circ} \pm 0.5^{\circ}$	RIGHT	$30^{\circ} \pm 0.5^{\circ}$
Rudder Trim				
Tab	LEFT	$20.0^{\circ} \pm 1.0^{\circ}$	RIGHT	$20.0^{\circ} \pm 1.0^{\circ}$
Flaps	Cruise	$0^{\circ} \pm 0.5^{\circ}$		
	Takeoff	$16.8^{\circ} \pm 0.5^{\circ}$		
	Landing	$33.8^{\circ} \pm 1.0^{\circ}$		

**For serial numbers 000105 through 000112, 000116 through 000119, 000121 through 000122, 000125 through 000262, and serial numbers 550-0263 through 550-0265.**

**For serial numbers 000001 through 000104, 000113 through 000115, 000120 and 000123 through 000124, which incorporate Eclipse FAA approved Service Bulletin, SB 500-99-002.**

**Note: SB 500-99-002 requires the incorporation of Eclipse FAA approved Service Bulletin, SB 500-99-001 for affected aircraft.**

Engines	Two Pratt & Whitney Canada PW610F-A, Type Certificate Data Sheet (TCDS) E00074EN
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Fuel	JET A and Jet A-1 per ASTM D 1655; JP-8 per MIL-T-83133
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Fuels not containing icing inhibitors must have MIL-I-27686, MIL-I-85470, or Phillips PFA-55MB fuel system icing inhibitors blended into the aircraft fuel at concentrations not less than 0.10% but no more than 0.15% by volume. The minimum fuel icing inhibitor content during refueling is 0.10% by volume.

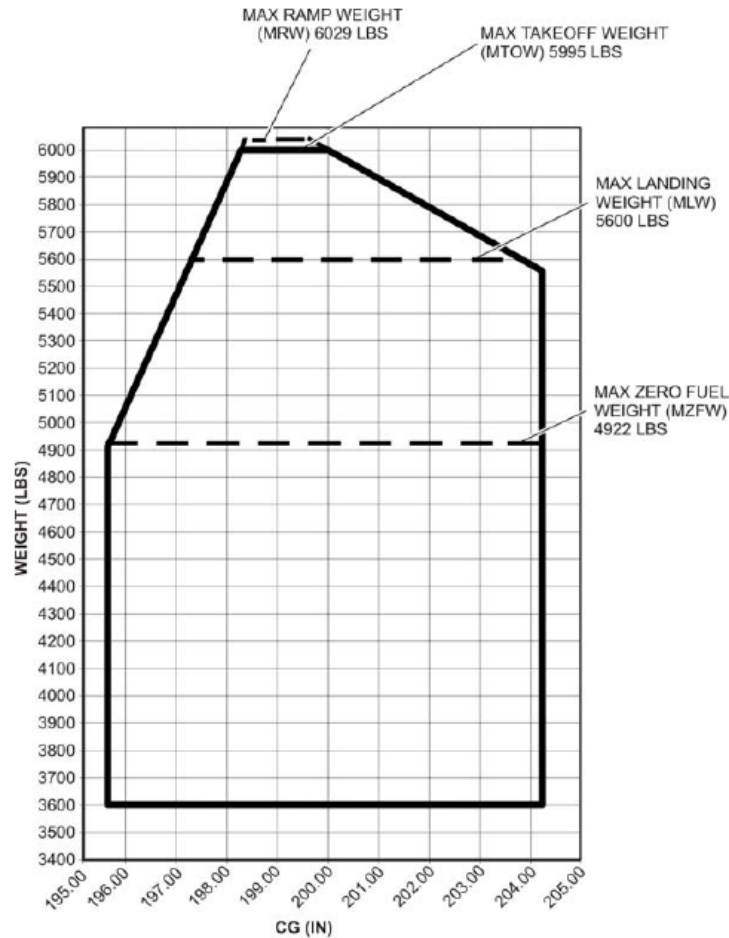
## Engine Limits

	N1(%)	N2(%)	MAX ITT (°C)	Time Limit
Maximum Take-off	102	100	795	5 minutes
Max. Continuous	102	100	795	Continuous
APR	102	100	795	10 minutes
Transient	103	102	850	20 seconds

## Airspeed Limits

V <sub>o</sub>	Maximum Operating Maneuvering Speed	180 KEAS
V <sub>MO</sub>	Maximum Operating Airspeed	285 KEAS
M <sub>MO</sub>	Maximum Operating Mach	0.64 M
V <sub>FE</sub> (Flap T/O)	Maximum Flap Extended Speed	200 KEAS
V <sub>FE</sub> (Flap LDG)	Maximum Flap Extended Speed	120 KEAS
V <sub>LO</sub>	Maximum Landing Gear Operating Speed	200 KEAS
V <sub>LE</sub>	Maximum Landing Gear Extended Speed	285 KEAS
Maximum tire ground speed		139 KNOTS
Minimum Airspeed Icing conditions (applicable if SB 500-99-004 is incorporated)		165 KEAS

## Center of Gravity (C.G.) Range



Forward limits: 195.65 inches aft of datum up to 4,922 lbs with a straight line taper to 197.91 inches at 5,995 lbs.

Aft Limits: 204.37 inches aft of datum up to 5,461 lbs with a straight line taper to 199.74 inches at 5,995 lbs.

Empty Weight. C.G. Range None.

Maximum Weights	Max. Ramp	6,029 lbs
	Max. Takeoff	5,995 lbs
	Max. Landing	5,600 lbs
	Max. Zero Fuel	4,922 lbs

Minimum Crew 1 Pilot plus required equipment as specified in the FAA Approved Airplane Flight Manual (AFM)

Number of Seats 6 Max (Includes pilot and crew); Refer to the FAA Approved Airplane Flight Manual (AFM), Document No. 06-122204, revision 4, dated July 23, 2012 or later FAA approved revision, reference Section 6 for seat configurations and moment arms.

Maximum Compartments 260 lbs; 1 compartment, moment arm 217.92 inches aft of datum  
Weights Baggage Compartment floor loading is 100 lb/ft<sup>2</sup>  
Cabin floor loading is 80 lb/ft<sup>2</sup>

Fuel Capacity 254.4 gallons (USG) total; 250.9 gallons (USG) usable;  
3.5 gallons (USG) unusable  
Moment arm 198 inches aft of datum

Oil Capacity 6.088 quarts (USQ) total per engine; 0.832 quarts (USQ) usable per engine

Maximum Operating Altitude Takeoff 10,000 ft MSL  
Operating 41,000 ft MSL

#### Control Surface Movements

Elevator	UP	25° ± 0.5°	DOWN	15° ± 0.5°
Elevator Trim				
Tab	UP	4.1° ± 1.0°	DOWN	20.0° ± 1.0°
Ailerons	UP	15.5° + 0.5°/-0.2°	DOWN	11.6° + 0.5°/-0.2°
Aileron Trim	UP	5.4° ± 0.3°	DOWN	4.8° ± 0.3°
Rudder	LEFT	30° ± 0.5°	RIGHT	30° ± 0.5°
Rudder Trim				
Tab	LEFT	20.0° ± 1.0°	RIGHT	20.0° ± 1.0°
Flaps	Cruise	0° ± 0.5°		
	Takeoff	16.8° ± 0.5°		
	Landing	33.8° ± 1.0°		

**For serial numbers 000266, 000267 and serial numbers 550-0268 through 550-0280, 550-0282 through 550-0284, and 550-1001 and up.**

**For serial numbers 000001 through 000262 and serial numbers 550-0263 through 550-0265 which incorporate Eclipse FAA approved Service Bulletin, SB 500-99-005.**

**For serial numbers 000001 through 000262, 000266 and 000267, which incorporate Eclipse FAA Approved Modification Bulletin, MB 500-99-001 or MB 500-99-002.**

**For serial numbers 550-0280, 550-0282 through 550-0284 which incorporate Eclipse Modification Bulletin, MB 500-20-001.**

**For serial numbers 550-1002 and up which incorporate Eclipse Modification Bulletin, MB 550-20-002.**

**Note: SB 500-99-005 requires the incorporation of Eclipse FAA approved Service Bulletins, SB 500-99-001, SB 500-99-002, and SB 500-99-004 for affected aircraft.**

Engines Two Pratt & Whitney Canada PW610F-A,  
Type Certificate Data Sheet (TCDS) E00074EN

Fuel JET A and Jet A-1 per ASTM D 1655; JP-8 per MIL-T-83133

Fuels not containing icing inhibitors must have MIL-I-27686, MIL-I-85470, or Phillips PFA-55MB fuel system icing inhibitors blended into the aircraft fuel at concentrations not less than 0.10% but no more than 0.15% by volume. The minimum fuel icing inhibitor content during refueling is 0.10% by volume.

#### Engine Limits

	N1(%)	N2(%)	MAX ITT (°C)	Time Limit
Maximum Take-off	102	100	795	5 minutes
Max. Continuous	102	100	795	Continuous
APR	102	100	795	10 minutes
Transient	103	102	850	20 seconds

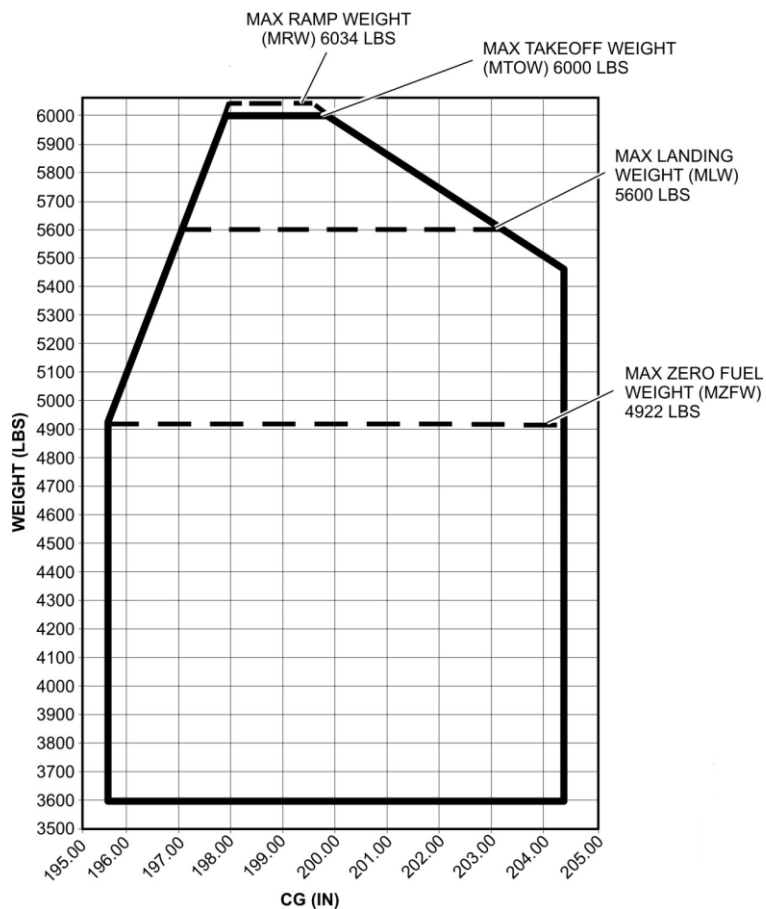
#### Airspeed Limits

V <sub>0</sub>	Maximum Operating Maneuvering Speed	180 KEAS
V <sub>MO</sub>	Maximum Operating Airspeed	285 KEAS
M <sub>MO</sub>	Maximum Operating Mach	0.64 M
V <sub>FE</sub> (Flap T/O)	Maximum Flap Extended Speed	200 KEAS
V <sub>FE</sub> (Flap LDG)	Maximum Flap Extended Speed	140 KEAS*
V <sub>LO</sub>	Maximum Landing Gear Operating Speed	200 KEAS
V <sub>LE</sub>	Maximum Landing Gear Extended Speed	285 KEAS
Maximum Tire Ground Speed		139 KNOTS
Minimum Airspeed in Icing Conditions		165 KEAS *

\*For serial numbers 550-0280, 550-0282 through 550-0284 and 550-1002 and up:

V<sub>FE</sub> (Flap LDG), Maximum Flap Extended Speed, 120 KEAS and Minimum Airspeed in Icing Conditions, 165 KEAS (unless MB 500-20-001 or MB 550-20-002 is incorporated, as applicable)

## Center of Gravity (C.G.) Range



Forward limits: 195.65 inches aft of datum up to 4,922 lbs with a straight line taper to 197.91 inches at 6,000 lbs.

Aft Limits: 204.37 inches aft of datum up to 5,461 lbs with a straight line taper to 199.70 inches at 6,000 lbs.

Empty Weight. C.G. Range None.

Maximum Weights	Max. Ramp	6,034 lbs
	Max. Takeoff	6,000 lbs
	Max. Landing	5,600 lbs
	Max. Zero Fuel	4,922 lbs

Minimum Crew 1 Pilot plus required equipment as specified in the FAA Approved Airplane Flight Manual (AFM)

Number of Seats 6 Max (Includes pilot and crew); Refer to the FAA Approved Airplane Flight Manual (AFM), (Document No. 06-122204, revision 4, dated July 23, 2012 or later FAA approved revision; or Document No. 06-123844, revision 1, dated September 18, 2015 or later FAA approved revision; or Document No. 06-123841, revision 0, dated June 10, 2014 or later FAA approved revision) reference Section 6 for seat configurations and moment arms.

Maximum Compartments Weights 260 lbs; 1 compartment, moment arm 217.92 inches aft of datum  
Baggage Compartment floor loading is 100 lb/ft<sup>2</sup>  
Cabin floor loading is 80 lb/ft<sup>2</sup>

Fuel Capacity 254.4 gallons (USG) total; 250.9 gallons (USG) usable;  
3.5 gallons (USG) unusable  
Moment arm 198 inches aft of datum



Oil Capacity 6.088 quarts (USQ) total per engine; 0.832 quarts (USQ) usable per engine (see AFM for recommended oil types)

Maximum Operating Altitude Takeoff 10,000 ft MSL  
Operating 41,000 ft MSL

#### Control Surface Movements

Elevator	UP	$25^{\circ} \pm 0.5^{\circ}$	DOWN	$15^{\circ} \pm 0.5^{\circ}$
Elevator Trim				
Tab	UP	$4.1^{\circ} \pm 1.0^{\circ}$	DOWN	$20.0^{\circ} \pm 1.0^{\circ}$
Ailerons	UP	$15.5^{\circ} + 0.5^{\circ} / -0.2^{\circ}$	DOWN	$11.6^{\circ} + 0.5^{\circ} / -0.2^{\circ}$
Aileron Trim	UP	$5.4^{\circ} \pm 0.3^{\circ}$	DOWN	$4.8^{\circ} \pm 0.3^{\circ}$
Rudder	LEFT	$30^{\circ} \pm 0.5^{\circ}$	RIGHT	$30^{\circ} \pm 0.5^{\circ}$
Rudder Trim				
Tab	LEFT	$20.0^{\circ} \pm 1.0^{\circ}$	RIGHT	$20.0^{\circ} \pm 1.0^{\circ}$
Flaps	Cruise	$0^{\circ} \pm 0.5^{\circ}$		
	Takeoff	$16.8^{\circ} \pm 0.5^{\circ}$		
	Landing	$33.8^{\circ} \pm 1.0^{\circ}$		

#### **Data Pertinent to All Models and Effectivities**

Datum Is located 23.25 inches forward of the nose radome.

Leveling Means Laterally: Forward edge of the baggage compartment floor  
Longitudinally: Left hand outboard seat track in front of the main cabin door

Certification Basis 14 CFR Part 23 through Amendment 55 (except 14 CFR 23.1303 Amendment 23-62), Part 34 through Amendment 34-3, and Part 36 through Amendment 36-28.

#### Special Conditions:

23-128-SC for Engine Fire Extinguishing System

23-121-SC for Electronic Engine Control System

23-112A-SC for High Intensity Radiated Fields (HIRF) Protection

23-13-01-SC for Autothrottle Functions

#### Equivalent Levels of Safety Findings:

ACE-02-19: 14 CFR §§ 23.777(d) and 23.781 Fuel Cutoff Control

ACE-05-32: 14 CFR §§ 23.1545(a) and 23.1581(d) for Indicated Airspeeds

ACE-05-34: 14 CFR § 23.181(b), Dynamic Stability

ACE-05-35: 14 CFR § 23.1353(h), Storage Battery Design and Installation

ACE-05-36: 14 CFR § 23.1323(c), Airspeed Indicating System

ACE-06-01: 14 CFR § 23.1545(b)(4), Airspeed Indicator

ACE-06-05: 14 CFR 23, Appendix H, § H23.5, Installation of an Automatic Power Reserve System

ACE-07-04: 14 CFR § 23.1545(b)(4), Airspeed Indicator

ACE-08-12, 14 CFR §§ 23.201(b)(2) Wings Level Stall, and 23.203(a), Turning Flight and Accelerated Turning Stalls for flight into known icing (FIKI)

#### Exemptions:

None

Icing Approval: Serial numbers 000266, 000267, serial numbers 550-0268 through 550-0280, 550-0282 through 550-0284, and 550-1001 and up are approved for flight into known or forecast icing. Serial numbers 000001 through 000262, and 550-0263 through 550-0265 which incorporate Eclipse FAA approved Service Bulletin SB 500-99-005, are approved for flight into known or forecast icing.

Note: For serial numbers 550-0280, 550-0282 through 550-0284 which incorporate Eclipse Modification Bulletin, MB 500-20-001. Aircraft serial numbers 550-1002 and up without exterior finish, which incorporate MB 550-20-002.

Compliance with optional ditching provisions has not been established.

Type Certificate: A00002AC, issued September 30, 2006

Date of application: July 12, 2001

Model EA500 is defined by Eclipse drawing 06-102100-1002 for serial numbers: 000001 through 000262, 000266, 000267, 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284.

Model EA500 is defined by Eclipse drawing 06-500550-1001 for serial numbers: 550-1001 and up.

**Production Basis**

The following Serial Numbers were produced under Type Certificate only: 000001 through 000011, 000261 through 000262, 000266 and 000267.  
Serial Numbers 000012 through 000260 were produced under Production Certificate No. 500 issued April 26, 2007.  
Serial Numbers 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284, and 550-1001 and up were produced under Production Certificate No. 550SW issued March 22, 2013.

**Serial Numbers:**

Aircraft Serial Numbers 000001 through 000260 manufactured by Eclipse Aviation Corporation are eligible.  
Aircraft Serial Numbers 000261 through 000262, 000266, 000267, 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284, and 550-1001 and up manufactured by Eclipse Aerospace Incorporated are eligible.

**Equipment**

The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification.

**NOTES**

**Note 1**

A current weight and balance report, including a list of equipment included in the certificated empty weight, and loading instructions when necessary must be provided for each aircraft at the time of original certification.

**Note 2**

The Model EA500 must be operated according to the FAA approved Airplane Flight Manual (AFM), Document No. 06-100106, latest FAA approved revision or 06-121654, latest FAA approved revision, or 06-122204, latest FAA approved revision, or 06-123841, latest FAA approved revision. See AFM for Operating Limitations.  
For serial numbers 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284 which incorporate Eclipse FAA approved Modification Bulletin, MB 550-99-001 and 550-1001 and up, the Model EA500 must be operated according to the FAA approved Airplane Flight Manual (AFM), Document No. 06-123841, latest FAA approved revision. See AFM for Operating Limitations.  
For serial numbers 000001 through 000262, 000266 and 000267, which incorporate Eclipse FAA Approved Modification Bulletins, MB 500-99-001 and MB 500-99-002, the Model EA500 must be operated according to the FAA approved Airplane Flight Manual (AFM), Document No. 06-123844, latest FAA approved revision. See AFM for Operating Limitations.

**Note 3**

FAA approved Airworthiness Limitations for inspection time limits, aircraft life limits, and maintenance checks are included in Chapter 4 of the Aircraft Maintenance Manual (AMM) Document No. 06-117751, latest FAA approved revision or 06-123838, latest FAA approved revision.

- Note 4                   The Model EA500 is FAA Aircraft Evaluation Group approved for Reduced Vertical Separation Minimum (RVSM). All airplanes are equipped with RVSM capable dual air data system, pilot and co-pilot Primary Flight Displays, and Autopilot.
- Each operator must obtain RVSM operating approval.
- Note 5                   The Model EA500 incorporates integrated avionics systems using software-based line replaceable units (LRU's) which share a digital signal transmission bus. The avionics configuration of the Model EA500 as delivered from production is critical to the proper operation of the cockpit instrumentation system. Modification to the LRU software supplied with the Model EA500, replacement of an LRU with a different LRU, addition of new LRU, or alteration of an LRU interface could adversely affect the airworthiness of the certified product. Accordingly, no changes to the integrated avionics system may be made without coordination with the Certificate Management Aircraft Certification Office.
- Note 6                   The Eclipse Model EA500 fuselage incorporates a specialized joining process and structural optimization that may not be compatible with traditional repair methodologies. Incorporation of repairs or alterations using traditional methods could adversely affect airworthiness. Accordingly, major alterations or repairs (ref. 14 CFR Part 43, Appendix A) to fuselage structure that are not listed in EAI Structural Repair Manual (SRM) No. 06-117755 must be coordinated with the Federal Aviation Administration's Certificate Management Aircraft Certification Office.
- Note 7                   The inspection program for the Model EA500 developed by Eclipse Aerospace is contained in the following FAA approved/accepted documents:  
For serial numbers 000001 through 000262, 000266 through 000267, 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284.  
    Aircraft Maintenance Manual (AMM), No. 06-117751, revision 19, dated August 2011 or later FAA accepted revision  
    Structural Repair Manual (SRM), No. 06-117755, revision 4, dated April 2014 or later FAA accepted revision  
    Wiring Diagram Manual (WDM), No. 06-117753, revision 7, dated December 2008 or later FAA accepted revision  
For serial numbers 550-0263 through 550-0265, 550-0268 through 550-0280, 550-0282 through 550-0284 which incorporate Eclipse FAA approved Modification Bulletin, MB 550-99-001 and 550-1001 and up:  
    Aircraft Maintenance Manual (AMM), No. 06-123838, revision 0, dated May 2014 or later FAA accepted revision  
    Structural Repair Manual (SRM), No. 06-117755, revision 4, dated April 2014 or later FAA accepted revision  
    Wiring Diagram Manual (WDM), No. 06-123840, revision 0, dated April 2014 or later FAA accepted revision
- Note 8                   Any modification or changes in cockpit configuration which may affect aircrew workload, cockpit noise level or day/night operational capabilities must be evaluated by an FAA Aircraft Certification Flight Test Pilot.
- Note 9                   All pilots operating a U.S. registered Model EA500 must be trained and qualified in accordance with the FAA Accepted/Approved Eclipse training program or equivalent FAA Accepted/Approved training program.
- All pilots operating a Model EA500 that is non-US registered must be trained and qualified in accordance with the Eclipse training program or equivalent training program that is Accepted/Approved by the Civil Aviation Authority having jurisdiction.

.....END.....