

MINISTRY OF TRANSPORTATION
JORDAN CIVIL AVIATION AUTHORITY

REVISION 0
CH 8000
JUNE 16,2005

TYPE CERTIFICATE DATA SHEET No.
J-SCH-02

This data sheet, which is part of type certificate No. J-SCH-02, prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Civil Aviation Regulations

Type Certificate Holder:

Jordan Aerospace Industries

1 – Model CH8000 Restricted Agriculture Category, approved June 16, 2005

Engine: SMA SR305-230

Fuel: JETA1

Oil: SAE 10W40 - DIESEL

Engine Limits: Maximum Takeoff Power: 2200 RPM (230 BHP)
Maximum Continuous Power: 2200 RPM (230 BHP)

Propeller:

Propeller Manufacturer	MT-Propeller
Model	MTV-9-BS/198-58B
Number of Blades	3
Propeller Diameter (inches)	78
Propeller Blade Angle at 29 1/4 Inch	Low: 14.5°
Station	High: 33°
Woodward Propeller governor	p/n D-210-760-X

Airspeed Limitations: VNE (Never Exceed) 130 knots
VA (Maneuvering) 105 knots

C.G. Range: +12.5 inches to +22.0 inches at 1600 lb.
+18.0 inches to +22.0 inches at 2200 lb.
+20.3 inches to +22.0 inches at 2600 lb.

Empty Weight: None

C. G. Range

Reference Datum: Wing leading edge at rib number 4

Leveling Means: Upper Fuselage longeron at front of rear fuselage

Maximum Weight: Restricted Category:
Takeoff and landing: 2,700 lbs
Empty Weight: 1,800 lbs

Page No.	1	3
Rev. No.	0	0



Maximum Crew - Front: Two (2) at 500 mm

Maximum Seats - Rear: Two (2) at 1400 mm

Baggage: 40 lbs at 1800 mm

Fuel Capacity: 52 gal at 800 mm
Usable 48 gal at 800 mm

Oil Capacity: 8 US quarts

Control Surface Movements:

Flaperon: Up 13 Deg. +/- 1 Deg. Down 13 Deg.. +/- 1 Deg.
Flaps 30 Deg. +/- 2 Deg.

Rudder: 18 Deg. +/- 2 Deg. Left 18 Deg. +/- 2 Deg. Right

Elevator: Up 30 Deg. +/-1 Deg. Down 29 Deg. +/-1 Deg.

Manufacturers Serial Nos: Serial numbers 80-500J and subsequent are manufactured by JAI

Design Data: The airplane shall be manufactured in accordance with the latest JCAA approved revision of Master Drawing List: Document No. CH8000-0605, or other JCAA approved data.

Certification Basis: Part 23 of Jordan Civil Aviation Regulations sections as defined in JAI compliance check document number CH8000-0404

Exemptions: Granted for Restricted Agriculture Category. Exemption based on FAA AC21-25-1, and 23.301(d)-appendix A

Note 1: Current weight and balance report, together with list of equipment included in certificated empty weight and Airplane Flight Manual must be provided for each aircraft at the time of the original certification.

Note 2: Major structural repairs must be accomplished in accordance with JCAA approved JAI repair methods or other methods as defined in JCAA Requirements.

Note 3: All placards specified in the JCAA Approved Airplane Flight Manual (AFM), document number CH8000-06-05 or later JCAA approved revisions must be displayed in the airplane in the appropriate locations.

Note 4: The following are approved options:

- 1, IFR configuration
- Night flying lights
- Propeller spinner
- Vacuum system for gyros
- Agriculture tank. 100 Gal. at 30 inches
- Agriculture boom system at 60 inches

Page No.	2	3
Rev. No.	0	0



2 – Model CH8000LS Restricted Agriculture Category, approved June 16, 2005

Engine: Textron Lycoming O-360-A1A, A2A, A3A, -A4M. 180 HP

Fuel: 100/100LL minimum grade aviation gasoline

Engine Limits: Maximum Take-Off, 2700 rpm
Continuous Operation, 2700 rpm

Propeller Limits: Sensenich 76-EM8-0-62

Diameter: Maximum: 76 in
Minimum: 74 in

No. of Blades: 2

Pitch: 54" – 64"

Maximum Static at full RPM: 2650 RPM

Maximum Static at full throttle: 2450 RPM

3 – Model CH8000LMT Restricted Agriculture Category, approved June 15, 2005

Engine: Textron Lycoming IO-360-A1A, 200 HP

Fuel: 100LL minimum grade aviation gasoline

Engine Limits: Maximum Take-Off, 2700 rpm
Continuous Operation, 2700 rpm

Propeller: MT Propeller Co. MTV-12-B/180-17

Propeller Limits: Diameter 70.9 in., +0.0 in., -2.0 in; (1800 mm, +0.0mm, -50mm)
Low Pitch 10.5°
High Pitch 30°
No. of Blades - 3

Page No.	3	3
Rev. No.	0	0

