

# T-CRAFT AIRCRAFT DATA SHEET- C172M

Pilot Name: \_\_\_\_\_ Aircraft N# \_\_\_\_\_  
Date: \_\_\_\_\_ Serial # \_\_\_\_\_  
Year \_\_\_\_\_ Model # \_\_\_\_\_

## ENGINE INFORMATION

Make/Model \_\_\_\_\_ Maximum HP \_\_\_\_\_ Maximum RPM \_\_\_\_\_  
Maximum Allowable Continuous RPM \_\_\_\_\_

Oil - Used by T-Craft \_\_\_\_\_ Oil Pressure (Max) \_\_\_\_\_  
Oil Pressure (Min) \_\_\_\_\_  
Oil Quantity (Max) \_\_\_\_\_ qts Oil Temp (Max) \_\_\_\_\_  
Oil Quantity (Min) \_\_\_\_\_ qts Oil Temp (Min) \_\_\_\_\_  
Oil Temp (green arc) \_\_\_\_\_

Fuel Burn (gal/hr) / TAS.@76% Bhp 7,500' Press Alt. Std. Temp \_\_\_\_\_ / \_\_\_\_\_  
Fuel Burn / TAS @ 7,500' Press Alt. Std Temp @ Maximum Allowable RPM \_\_\_\_\_ / \_\_\_\_\_  
Range (Hours) @ 7,500' @ Maximum Allowable RPM (Bhp) no reserve \_\_\_\_\_

Total Fuel \_\_\_\_\_ gallons  
Useable Fuel \_\_\_\_\_ gallons  
Fuel Type / Color \_\_\_\_\_ / \_\_\_\_\_  
Max. Mag Drop \_\_\_\_\_ RPM Max RPM Diff between Mag's. \_\_\_\_\_  
Battery (Voltage / Capacity) \_\_\_\_\_ / \_\_\_\_\_ Alternator (amps) \_\_\_\_\_  
Tire Pressure (Mains / Nose) \_\_\_\_\_ / \_\_\_\_\_  
Maximum Flap Setting \_\_\_\_\_ degrees

## AIRSPEEDS – INDICATED KTS \_\_\_ or MPH \_\_\_

V<sub>R</sub> \_\_\_\_\_ Rotate Maximum X-Wind \_\_\_\_\_  
V<sub>Y</sub> \_\_\_\_\_ Best rate of climb (Sea Level) Best Glide \_\_\_\_\_  
V<sub>Y</sub> \_\_\_\_\_ Best rate of climb (10,000') (@ Max Gross Weight)  
V<sub>X</sub> \_\_\_\_\_ Best Angle of climb (Sea Level)  
V<sub>X</sub> \_\_\_\_\_ Best Angle of climb (10,000') V<sub>REF</sub> 1.3 x V<sub>SO</sub> \_\_\_\_\_  
V<sub>CC</sub> \_\_\_\_\_ Cruise Climb  
V<sub>SO</sub> \_\_\_\_\_ Stall speed – landing configuration  
V<sub>S1</sub> \_\_\_\_\_ Stall speed – specified configuration  
V<sub>A</sub> \_\_\_\_\_ Maneuvering speed (Max wt.) \_\_\_\_\_ Indicated Air Speeds  
V<sub>A</sub> \_\_\_\_\_ Maneuvering speed (Medium wt.) \_\_\_\_\_ White Arc \_\_\_\_\_  
V<sub>A</sub> \_\_\_\_\_ Maneuvering speed (Min wt.) \_\_\_\_\_ Green Arc \_\_\_\_\_  
V<sub>FE</sub> \_\_\_\_\_ Max flap extended speed at 10° Yellow Arc \_\_\_\_\_  
V<sub>FE</sub> \_\_\_\_\_ Max flap extended speed > 10° Red Line \_\_\_\_\_  
V<sub>NO</sub> \_\_\_\_\_ Max structural cruising speed  
V<sub>NE</sub> \_\_\_\_\_ Never exceed speed (red line)

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**AIRSPEEDS – INDICATED** KTS \_\_\_ or MPH \_\_\_      Make/Model \_\_\_\_\_

Maneuver Entry Speeds  
 Chandelles & Lazy 8's \_\_\_\_\_  
 Steep Turns \_\_\_\_\_

TAKE-OFFS	<u>IAS</u>	<u>Recommended Flap Setting</u>
Normal	_____	_____
Short Field	_____	_____
Soft Field	_____	_____

LANDINGS	<u>IAS</u>	<u>Recommended Flap Setting</u>
Normal	_____	_____
Short Field	_____	_____
Soft Field	_____	_____

**WEIGHT & BALANCE INFORMATION**

Service Ceiling	_____ MSL	Empty Arm	_____
Max Gross Weight	_____	Empty Moment	_____
Empty Weight	_____		
Useful Load	_____		

Weight and Balance with your weight and typical load/fuel

	WEIGHT	ARM	MOMENT
Empty Weight			
Fuel 6#/gal			
Oil ( ) qts.			
Pilot / Front Passenger			
Rear Passengers			
Baggage			
TOTAL			
Gross Weight			
Over / Under Weight			

C.G. \_\_\_\_\_

Within Limits Full Fuel / Empty Fuel? \_\_\_\_\_

Maximum Payload (Passengers and baggage) with Full tanks \_\_\_\_\_ #

Additional POH Review Items:

- \_\_\_\_\_ Read/understand STC's: 160HP
- \_\_\_\_\_ Emergency Procedures
- \_\_\_\_\_ Spin Recovery Procedures
- \_\_\_\_\_ Take off / Landing / Rate of Climb Performance (85<sup>0</sup> day at 5000') @ Gross Weight.
- Take off distance \_\_\_\_\_ / distance to clear 50' \_\_\_\_\_ Rate of Climb @ Vy \_\_\_\_\_
- Landing distance \_\_\_\_\_ / distance to clear 50' \_\_\_\_\_

APPROVED BY CFI \_\_\_\_\_      DATE: \_\_\_\_\_