



Wayne Handley Aerospports, Inc.

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N301WH

Class of Aircraft:

Engine:

Propeller:

Extra 300L

Normal and Acrobatic Category

Textron-Lycoming AEIO-540, 300 HP @ 2700 RPM

MT-Propeller 3-blade constant speed

Aircraft Loading: 2 Place, +10G, -6G

Airspeeds (IAS)

Never Exceed Speed:	V _{NE}	220 knots
Max. Structural Cruising Speed	V _{NO}	140 knots (Normal Cat.)
Max. Structural Cruising Speed	V _{NO}	158 knots (Acro I, Acro II)
Maneuvering Speed	V _A	140 (Normal Cat.)
Maneuvering Speed	V _A	158 (Acro I, Acro II)
Max Crosswind		15 knots (Takeoff & Landing)

Maneuvers	Recommended Entry Speeds		Remarks
	Min KIAS	Max KIAS	

Segment:			
Horizontal Line	V _S	V _{NE}	
45° climbing	80	V _{NE}	
90° up	158	V _{NE}	
45° diving	V _S	V _{NE}	reduce throttle
90° diving	V _S	V _{NE}	reduce throttle
1/4 Loop climb	100	190	
Looping	100	190	
Stall Turn	100	190	
Aileron Roll	80	158	full deflection
Snap Roll	80	140	
"Tail slide"	100	190	
Spin	V _S		
Knife Edge	>150		<10 sec
Inverted Flight	>V _S	190	< 4 min

Load Acrobatic Flight +10/-10g for 1 seat occupied

Load Acrobatic Flight +8/-8g for 2 seats occupied

Normal Flight +6/-3g



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Flight #2 Maneuvers


- Climb to a safe altitude. During the climb, level at 2000, 3000 and 4000 feet while clearing the area of traffic.

- Dutch Rolls 22"  2400 RPM

- 45° Up and Down Lines 22"  2400 RPM

Review

- Aileron Roll 22"  2400 RPM  120-140 KTS

- Loop 25"  2500 RPM  160 KTS

- 1/2 Cuban Eight 25"  2500 RPM  160 KTS

Demo

- Immelman 25"  2500 RPM  170 KTS

- Split-S 25"  2500 RPM  100 KTS

- Reverse 1/2 Cuban Eight 25"  2500 RPM  160 KTS

- Spins



Notes

























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Flight #3 Maneuvers

- Climb to a safe altitude. During the climb, level at 2000, 3000 and 4000 feet while clearing the area of traffic.

Review

- Dutch Rolls  22"  2400 RPM
- 45° Up/Down Lines with 1/2 rolls  25"  2500 RPM
- Aileron Roll  22"  2400 RPM  120-140 KTS
- Loop  25"  2500 RPM  160 KTS
- 1/2 Cuban Eight  25"  2500 RPM  160 KTS
- Immelman  25"  2500 RPM  170 KTS
- Split-S  25"  2500 RPM  100 KTS
- Reverse 1/2 Cuban Eight  25"  2500 RPM  160 KTS

Demo

- Slow Roll  22"  2400 RPM  120-140 KTS
- Inverted Flight/ Inverted Turns  22"  2400 RPM  120-140 KTS
- Inverted Flight to Upright Recovery  22"  2400 RPM  120-140 KTS
- Spins (Upright Flat Spin to Recovery)
- Landing



Notes
