



“CESSNA SKYHAWK C-172SP”

“CC-AFA, CC-AFB, CC-AFC, CC-AFD MEGAPARTS S.A.”

A. Operating Limits

1.- Airspeed Limitations

	KIAS
Va	105
Vne	163
Vno	129
Vfe	110
Vs	48
Vso	40
Vx (Sea Level)	62
Vy (Sea Level)	74
Vr	55
Vapp (Flap Down)	60 – 70
Vglide	68
Max Cross Wind	15

2.- Fuel (U.S. GAL)

Type to Use	100LL
Total Capacity	56
Usable Fuel	53

3.- Weights (LBS)

Maximum Takeoff Weight	2550
Maximum Baggage	120

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
HP or BHP Rate	180 BHP
Maximum RPM	2700
Static RPM	
Minimum	2300
Maximum	2400
Oil Temperature (°F)	
Minimum	100
Maximum	245
Oil Pressure (PSI)	
Minimum	20
Maximum	115

5.- Maneuver Limitations (Normal Cat.)

MANEUVER	KIAS
Chandelles	105
Lazy Eights	105
Steep Turns	95
Stalls	Slow Deceleration
Spins (Flaps UP)	Slow Deceleration

B. EMERGENCY PROCEDURES

1. ENGINE FAILURE DURING TAKEOFF ROLL

.Throttle	IDLE
.Brakes	APPLY

2. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

.Airspeed	65 KIAS FLAPS DOWN
	70 KIAS FLAPS UP

3. ENGINE FAILURE DURING FLIGHT (restart procedures)

.Airspeed	68 KIAS
.Fuel Shutoff Valve	ON
.Fuel Selector Valve	BOTH
.Fuel Pump Switch	ON
.Mixture Control	RICH

4. ENGINE FIRE DURING START ON GROUND

Cranking Continue to get start which would suck the flames

If Engine starts:

.Power	1800 RPM for a few minutes
.Engine	SHUTDOWN and inspect for damage.

If Engine fails to start:

.Throttle	FULL OPEN
.Mixture	IDLE CUT OFF
.Cranking	CONTINUE
.Fuel Shutoff Valve	OFF (pull full out)
.Auxiliary Fuel Pump	OFF
.Magneto Switch	OFF
.Stby Batt	OFF
.Master Switch	OFF

5. ENGINE FIRE IN FLIGHT

.Mixture	OFF
.Fuel Shutoff Valve	OFF
.Auxiliary Fuel Pump Switch	OFF
.Master Switch	OFF

6. ELECTRICAL FIRE IN FLIGHT

.Stby Batt	OFF
.Master Switch	OFF
.Vents, Cabin Air, Heat	CLOSED
.Fire Extinguisher	ACTIVATE

7. CABIN FIRE

.Stby Batt	OFF
.Master Switch	OFF
.Vents, Cabin Air, Heat	CLOSED
.Fire Extinguisher	ACTIVATE

8. WING FIRE

.Landing/ Taxi Light Switches	OFF
.Navigation Light Switch	OFF
.Strobe Light Switch	OFF
.Pitot Heat Switch	OFF