



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”
“SUBDEPARTAMENTO “LICENCIAS”**

“CESSNA C172 XP”

“CC-SKF”

A.- OPERATING LIMITATIONS

1.- Limitations (Speed)

	KIAS
Va	105
Vne	163
Vno	129
Vfe 10°	85
Vs	54
Vso	46
Vx	59
Vy	81
Vr	55
Vapp (Flap DN)	60 – 70
Vglide 2.550 lbs	75
Max Cross Wind	20

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	52
Usable Capacity	49
Fuel Pressure (PSI)	
Minimum	3
Maximum	17

3.- Weight (LBS)

Maximum TAKE-OFF	2.550
Maximum Baggage	250

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	195
Maximum RPM	2.600
Static RPM	
Maximum	2.600
Minimum	2.200
Head Cylinder Temperature (°F)	
Maximum	460
Minimum	200
Oil Temperature (°F)	
Maximum	240
Minimum	100
Oil Pressure (PSI)	
Maximum	100
Minimum	10

5.- Maneuvering Limits (Normal Cat.)

MANEUVER	KIAS
Spin (Flaps UP)	NOT APPROVED
Steep Turns	105
Lazy Eight	110
Chandelle	110

B.- EMERGENCIES PROCEDURES

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	70 KIAS (FLAPS UP)
	65 KIAS (FLAPS DN)
Mixture	IDLE CUT-OFF
Fuel Shutoff Valve	OFF (PULL OUT)
Ignition Switch	OFF
Wing Flaps	AS REQUIRED (Full down recommended)
Master Switch	OFF

3.- ENGINE FAILURE DURING FLIGHT

Airspeed	75 KIAS
Primer	IN AND LOCKED
Fuel Shutoff Valve	ON (PUSH FULL IN)
Fuel Selector Valve	BOTH
Mixture	RICH
Throttle	1/2" OPEN
Auxiliary Fuel Pump	LOW for 3-5 seconds then OFF
Ignition Switch	BOTH (or START if propeller is stopped)

4.- FIRE DURING START ON GROUND

Auxiliary Fuel Pump	OFF
Mixture	IDLE CUT-OFF
Parking Brake	RELEASE
Fire Extinguisher	OBTAIN
Airplane	EVACUATE
Fire	EXTINGUISH
Fire Damage	INSPECT

5.- ENGINE FIRE IN FLIGHT

Throttle	CLOSE
Mixture	IDLE CUT-OFF
Fuel Shutoff Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	105 KIAS
Forced Landing	EXECUTE