



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-172 XP”
“CLUB AEREO NAVAL CC-LHM”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	104
Vne	163
Vno	129
Vfe 10°	85
Vs	54
Vso	46
Vx	59
Vy	81
Vr	60
Vapp (Flap DN)	60-70
Vplaneo 2.550 lbs	75
Max Cross Wind	20

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	52
Capacidad Usable	46
Presión de Combustible (PSI)	
Mínima	3
Máxima	17

3.- Pesos (LBS)

Máximo TAKE-OFF	2.550
Máximo Equipaje	250

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	195
Máximas RPM	2.600
RPM Estáticas	
Máximas	2.600
Mínimas	2.200
Temperatura cabeza de Cilindros (°F)	
Máxima	460
Mínima	30
Temperatura de aceite (°F)	
Máxima	240
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	10

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	NOT APPROVED
Escarpados	105
Ocho Flojo	110
Chandela	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
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