



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

**“CESSNA C-172N”
“CLUB AÉREO BANCO ESTADO”**

A.- LIMITACIONES DE OPERACIÓN

1.- Limitaciones (Velocidades)

	MPH
Va 2300 /1950 /1650	97/ 89/ 80
Vne	158
Vno	127
Vfe 10° / +de 10°	110 / 85
Vs	44
Vso	33
Vx sea level/10.000ft	59/61
Vy sea level/10.000ft	73/68
Vr	55
Vapp (Flap DN)	55-65
Vplaneo	65
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	43
Capacidad Usable	40
Presión de Combustible (PSI)	
Mínima	Red Line
Máxima	Red Line

3.- Pesos (LBS)

Máximo TAKE-OFF	2.300
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	160
Máximas RPM	2.700
RPM estáticas	
Máximas	2.400
Mínimas	2.280
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Limites de maniobras (Cat. Norma)

MANIOBRA	MPH
Spin (Flaps UP)	Slow Deceleration
Escarpados	95
Ocho Flojo	105
Chandela	105

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	65 KIAS (FLAPS UP)
	60 KIAS (FLAPS DOWN)
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	65 KIAS
Carburetor Heat	ON
Fuel Selector Valve	BOTH
Mixture	RICH
Ignition Switch	BOTH (or START if propeller is stopped)
Primer	IN AND LOCKED

4. - FIRE DURING START ON GROUND

Cranking	CONTINUE
If Engine Starts:	
Power	1.700 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
Fire Extinguisher	OBTAIN
Engine	SECURE
Master Switch	OFF
Ignition Switch	OFF
Fuel Selector Valve	OFF
Fire	EXTINGUISH
Fire Damage	INSPECT

5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF
Airspeed	100 KIAS
Forced Landing	EXECUTE