



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-172RG”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	106
Vne	164
Vno	145
Vfe 10°	130
Vlo	140
Vle	164
Vs	50
Vso	42
Vx	67
Vy	84
Vr	55
Vapp (Flap DN)	60-70
Vplaneo	73
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	66
Capacidad Usable	62
Presión de Combustible (PSI)	
Mínima	0.5
Máxima	8

3.- Pesos (LBS)

Máximo TAKE-OFF	2.650
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	180
Máximas RPM	2.700
RPM estáticas	
Máximas	2.500
Mínimas	2.100
Temperatura Cabeza de Cilindros (°F)	
Máxima	500
Mínima	200
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	Prohibit
Escarpados	106
Ocho Flojo	106
Chandela	106

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 Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	75 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	105 KIAS
Forced Landing	EXECUTE