



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

**“CESSNA C-172A”
“RENT FLY”**

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	MPH
Va	115
Vne	160
Vno	140
Vfe 10°	100
Vs	58
Vso	52
Vx	60
Vy	75
Vr	55
Vapp (Flap DN)	65-75
Vplaneo	70
Max Cross Wind	15

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	42
Capacidad Usable	37

3.- Pesos (LBS)

Máximo TAKE-OFF	2200
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	145
Máximas RPM	2.700
RPM estáticas	
Máximas	2.360
Mínimas	2.260
Temperatura de aceite (°F)	
Máxima	200
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Rango normal	30 - 60
Mínima	10

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	SLOW DECELERATION
Stall	SLOW DECELERATION
Escarpados	115
Ocho Flojo	115
Chandela	115

B.- Emergencies Procedures

A. ENGINE FAILURE DURING TAKEOFF ROLL

1. Throttle **IDLE**
2. Brakes **APPLY**
3. Fuel selector valve **BOTH OFF**
4. Mixture **IDLE CUT – OFF**
5. Ignition switch **OFF**
6. Master switch **OFF**

B. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. Airspeed **MAINTAIN OVER STALL SPEED**
2. Flaps **AS REQUIRED (do not turn and land)**
3. Directional control **MAINTAIN**
4. Fuel selector valve **BOTH OFF**
5. Mixture **IDLE CUT – OFF**
6. Throttle **IDLE**
7. Ignition switch **OFF**
8. Master switch **OFF**

C. ENGINE FAILURE DURING FLIGHT (restart procedure)

1. Airspeed **70 MPH**
2. Fuel Selector Valve **BOTH ON**
3. Mixture **RICH**
4. Ignition Switch **BOTH**
5. Carburetor Heat **ON (pull out)**
6. Engine instruments **CHECK**
7. Primer **IN AND LOCKED**

D. ENGINE FIRE DURING START ON GROUND

1. Mixture **IDLE CUT-OFF**
2. Throttle **FULL OPEN**
3. Cranking **CONTINUE**
4. Master switch **OFF**
5. Fuel selector valve **BOTH OFF**
6. Ignition switch **OFF**
7. Airplane **EVACUATE**

E. ENGINE FIRE IN FLIGHT

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|------------------------|---------------------|
| 1. Fuel selector valve | BOTH OFF |
| 2. Mixture | IDLE CUT-OFF |
| 3. Throttle | IDLE |
| 4. Ignition switch | OFF |
| 5. Master Switch | OFF |
| 6. Cabin Heat and Air | CLOSE |