



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

**“CESSNA C-172”**  
**“CLUB AÉREO DE CASTRO”**

**A.- Limitaciones de Operación**

1.- Limitaciones (Velocidades)

	MPH
Va	122
Vne	174
Vno	140
Vfe 10°	100
Vs	57
Vso	49
Vx	65
Vy	80
Vr	60
Vapp (Flap DN)	52
Vplaneo	72
Max Cross Wind	17

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	.-
Capacidad Usable	.-
Presión de Combustible (PSI)	
Mínima	.-
Máxima	.-

3.- Pesos (LBS)

Máximo TAKE-OFF	2.300
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	145
Máximas RPM	2.700
RPM estáticas	
Máximas	.-
Mínimas	.-
Temperatura de aceite (°F)	
Máxima	225
Mínima	100
Presión de aceite (PSI)	
Máxima	110
Mínima	10

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	MPH
Spin (Flaps UP)	Slow Deceleration
Escarpados	122
Ocho Flojo	122
Chandela	122

## 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 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	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