

“CESSNA C-172L CC-SVC”  
“CLUB AEREO DE VALDIVIA”

**A.- Limitaciones de Operación**

1.- Limitaciones (Velocidades)

	MPH
Va	122
Vne	174
Vno	140
Vfe (Full Flaps)	100
Vs	57
Vso	49
Vx	68
Vy	82
Vr	60
Vapp (Flap DN)	65 -75
Vplaneo	80
Max Cross Wind	15

2.- Combustible (U.S: GAL)

Tipo a Utilizar	100 LL
Capacidad Total	52
Capacidad Usable	48

3.- Pesos (LBS.)

Máximo TAKE-OFF	2.300
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razon HP o BHP	150
Maximas RPM	2.700
RPM Etáticas	
Máximas	2.360
Mínimas	2.260
Temperatura de Aceite (°F)	
Máxima	245
Mínima	Red Line
Presión de aceite (PSI)	
Máxima	100
Mínima	25

5.- Limites 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	<b>IDLE</b>
Brakes	<b>APPLY</b>
Wing Flaps	<b>RETRACT</b>
Mixture	<b>IDLE CUT-OFF</b>
Ignition Switch	<b>OFF</b>
Master Switch	<b>OFF</b>

### **2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

Airspeed	<b>75 MPH (FLAPS UP)</b> <b>70 MPH (FLAPS DOWN)</b>
Mixture	<b>IDLE CUT-OFF</b>
Fuel Selector Valve	<b>OFF</b>
Ignition Switch	<b>OFF</b>
Wing Flaps	<b>AS REQUIRED</b>
Master Switch	<b>OFF</b>

### **3. - ENGINE FAILURE DURING FLIGHT**

Airspeed	<b>80 MPH</b>
Primer	<b>IN AND LOCKED</b>
Fuel Selector Valve	<b>BOTH</b>
Mixture	<b>RICH</b>
Throttle	<b>1/2" OPEN</b>
Ignition Switch	<b>BOTH (or START if propeller is stopped)</b>

#### 4. - ENGINE FIRE DURING START ON GROUND

Cranking

CONTINUE

##### **a.- If engine start:**

Power

1700 RPM FOR A FEW MINUTES

Engine

SHUTDOWN AND INSPECT FOR  
DAMAGE

##### **b.- If engine fails to start:**

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

Throttle

CLOSE

Mixture

IDLE CUT-OFF

Fuel Selector Valve

OFF

Master Switch

OFF

Cabin Heat and Air

OFF

Airspeed

120 MPH

Forced Landing

EXECUTE