



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-152 (1980)”
(CLUB AEREO DE VALDIVIA)

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	104
Vne	149
Vno	111
Vfe	85
Vs	40
Vso	35
Vx	54
Vy	67
Vr	50
Vapp (Flap DN)	55-65
Vplaneo	60
Max Cross Wind	12

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	26
Combustible Usable	24.5

3.- Pesos (LBS)

Máximo TAKE-OFF	1.670
Máximo Equipaje	120

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	110
Máximas RPM	2.550
RPM estáticas	
Máximas	2.380
Mínimas	2.280
Temperatura de aceite (°F)	
Máxima	245
Mínima	100
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Límites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	Show Deceleration
Escarpados	95
Ocho Flojo	95
Chandela	95

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF (Not Airborne)

Throttle	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2. - ENGINE POWER LOSS DURING TAKEOFF (if Airborne)

Airspeed	60 KIAS
Mixture	Idle CUT-OFF
Fuel Shutoff Valve	OFF
Ignition switch	OFF
Wing Flaps	AS REQUIRED
Master switch	OFF

3.- ENGINE FAILURE DURING FLIGHT

Airspeed	60 KIAS
Carburetor Heat	ON
Primer	IN and LOCKED
Fuel Shutoff Valve	ON
Mixture	RICH
Ignition switch	BOTH

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 in an effort to obtain a start
Fire Extinguisher	OBTAIN
Engine	SECURE
Master switch	OFF
Ignition switch	OFF
Fuel shutoff valve	OFF
Fire	EXTINGUISH using fire extinguisher
Fire Damage	INSPECT

5.- ENGINE FIRE IN FLIGHT

Mixture control	IDLE CUT-OFF
Fuel shutoff valve	OFF
Master switch	OFF
Cabin heat and Air	OFF
Airspeed	85 KIAS
Forced Landing	EXECUTE