



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“CESSNA C-210N CENTURION”

“CARABINEROS DE CHILE”

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	KIAS
Va	125
Vne	200
Vno	165
Vfe 10°	160
Vlo	165
Vle	200
Vs	65
Vso	69
Vx (SL)	89
Vy (SL)	96
Vr	65-70
Vapp (Flap DN)	70-80
Vplaneo	85
Max Cross Wind	21

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total Std	90
Capacidad Usable Std	89
Presión de Combustible (PSI)	
Mínima	3.5
Máxima	19.5

3.- Pesos (LBS)

Máximo TAKE-OFF	3.800
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	300
Máximas RPM	2.850
Cylinder Head Temperatura (°F)	
Máximas	460
Mínimas	200
Temperatura de aceite (°F)	
Máxima	240
Mínima	100
Presión de aceite (PSI)	
Máxima	100
Mínima	10

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	Prohibit
Escarpados	125
Ocho Flojo	125
Chandela	125

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	85 KIAS
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	85 KIAS
Auxiliary Fuel Pump	ON
Fuel Selector Valve	OPPOSITE TANK
Throttle	HALF OPEN
Auxiliary Fuel Pump	OFF
Mixture	LEAN

4. - FIRE DURING START ON GROUND

Ignition Switch	START
Auxiliary Fuel Pump	OFF

If Engine Starts:

Power	1.700 RPM for a few minutes
Engine	SHUTDOWN and inspect for damage

If engine fails to start:

Ignition Switch	START
Throttle	FULL OPEN
Mixture	IDLE CUT-OFF
Fire Extinguisher	OBTAIN
Engine	SECURE
Ignition Switch	OFF
Master 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	120 KIAS
Forced Landing	EXECUTE