



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

CESSNA C-172K
CLUB AÉREO DE PANGUIPULLI

A.- Limitaciones de Operación

1.- Limitaciones (Velocidades)

	MPH
Va	122
Vne	174
Vno	138
Vfe	52
Vs	57
Vso	49
Vx	65
Vy	80
Vr	60
Vapp (Flap DN)	70
Vplaneo	80
Max Cross Wind	--

2.- Combustible (U.S. GAL)

Tipo a Utilizar	
Capacidad Total	39
Capacidad Usable	36
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	2700
RPM estáticas	
Máximas	2.500
Mínimas	2.200
Temperatura de aceite (°F)	
Máxima	Red line o 245 °F
Mínima	--
Presión de aceite (PSI)	
Máxima	100
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	RETRACTED
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
Master Switch	OFF

2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	70-80 MPH ó 65 KIAS (FLAPS UP) 60 KIAS (FLAPS DOWN)
Mixture	IDLE CUT-OFF
Fuel Selector valve	OFF
Ignition Switch	OFF
Wing Flaps	AS REQUIRED
Master Switch	OFF

3. - ENGINE FAILURE DURING FLIGHT

Airspeed	80 MPH ó 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 Start	
Power	1700 for 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 (have ground attendants obtain if not installed)
Engine	SECURE
Master Switch	OFF
Ignition Switch	OFF
Fuel Selector Valve	OFF
Fire	EXTINGUISH using fire extinguisher, wool blanket or dirt.
Fire Damage	INSPECT, repair damage or replace damaged component or Wiring before conducting another flight.

5. - ENGINE FIRE IN FLIGHT

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Master Switch	OFF
Cabin Heat and Air	OFF (except wing root vents)
Airspeed	100 KIAS (if fire not extinguished, increase glide speed to find an airspeed which will provide an incombustible mixture).
Forced Landing	EXECUTE (as describe in Emergency landing Without Engine Power).