



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
“SUBDEPARTAMENTO “LICENCIAS”

“CESSNA C182T G1000”

“CC-AHM / CC-AHL ”

A.- OPERATING LIMITATIONS

1.- Limitations (Speed) (KIAS)

Va (3100 lbs)	110
Vne	175
Vno	140
Vfe 50%	140
Vs	51
Vso	41
Vx (SL)	58
Vy (SL)	65
Vr	50-60
Vapp (Flap DN)	60-70
Vglide	76
Max Cross Wind	15

2.- Fuel (U.S. GAL)

Type to Use	100/130
Total Capacity	92
Usable Capacity	87

3.- Weight (LBS)

Maximum TAKE-OFF	3100
Maximum Baggage	200

4.- Engine (Maximum Continuous Power)

Engine Operating Limitations	
Reason HP o BHP	230
Maximum RPM	2400
Cylinder Head Temperature (°F)	
Maximum	500
Minimum	200
Oil Temperature (°F)	
Maximum	245
Minimum	100
Oil Pressure (PSI)	
Maximum	115
Minimum	20

5.- Maneuvering Limits (Normal Cat.)

Chandelles	110
Lazy Eight	110
Steep Turns	110
Spin (Flaps UP)	Slow Deceleration

B.- EMERGENCIES PROCEDURES

1.- ENGINE FAILURE DURING TAKEOFF RUN

Throttle Power Lever	IDLE
Brakes	APPLY
Wing Flaps	RETRACT
Mixture	IDLE CUT-OFF
Ignition Switch	OFF
STBY BATT	OFF
Master Switch	OFF

2.- ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	75 KIAS (FLAPS UP) 70 KIAS (FLAPS 10° - FULL)
Mixture	IDLE CUT-OFF
Fuel Selector	OFF
Ignition Switch	OFF
Flaps	AS REQUIRED
Stby Batt	OFF
Master Switch	OFF
Cabin Door	UNLATCH
Land	STRAIGHT AHEAD

3.- ENGINE FAILURE DURING FLIGHT

Best Glide Speed **76 KIAS**

Fuel Selector Valve **BOTH**

Fuel Pump **ON**

Mixture Control **RICH**

Ignition Switch **BOTH**

(or START if propeller is stopped)

4.- FIRE DURING START ON GROUND

Ignition Switch **START**

(continue cranking to start the engine)

IF ENGINE STARTS

Power **1800 RPM** (for a few minutes)

Engine **SHUTDOWN** (inspect for damage)

IF ENGINE FAILS TO START

Throttle **FULL**

Mixture **IDLE CUTOFF**

Ignition Switch **START** (Continue cranking)

Fuel Selector Valve **OFF**

Fuel Pump **OFF**

Ignition Switch **OFF**

Stby Batt **OFF**

Master Switch **OFF**

Engine **SECURE**

Parking Brake **RELEASE**

Fire Extinguisher	OBTAIN
Airplane	EVACUATE
Fire	EXTINGUISH
Fire Damage	INSPECT

5.- ENGINE FIRE IN FLIGHT

Mixture	IDLE CUTOFF
Fuel Selector Valve	OFF
Fuel Pump	OFF
Master Switch	OFF
Cabin Vents	OPEN (as needed)
Cabin Ht and Cabin Air	OFF
Airspeed	100 KIAS

(If fire is not extinguished, increase glide speed to find an airspeed, within airspeed limitations, which will provide an incombustible mixture)

Forced Landing	EXECUTE
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