



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
SUBDEPARTAMENTO “LICENCIAS”  
SECCIÓN EVALUACIONES

“COMMANDER A-114”

**A.- Limitaciones de Operación**

1.- Limitaciones (Velocidades)

	KIAS
Va	117
Vne	187
Vno	162
Vfe	149
Vle	187
Vlo	129
Vs	66
Vso	64
Vx	75
Vy	100
Vr	70
Vapp (Flap DN)	.-
Vplaneo	85
Max Cross Wind	.-

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/130
Capacidad Total	90
Combustible Usable	88

3.- Pesos (LBS)

Máximo TAKE-OFF	3.305
Máximo Equipaje	.-

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	270
Máximas RPM	.-
RPM estáticas	
Máximas	2.575
Mínimas	.-
Temperatura de aceite (°F)	
Máxima	245
Mínima	160
Presión de aceite (PSI)	
Máxima	115
Mínima	25

5.- Limites de maniobras (Cat. Normal)

MANIOBRA	KIAS
Spin (Flaps UP)	.-
Escarpados	.-
Ocho Flojo	.-
Chandela	.-

## B.- Emergencies Procedures

### 1.- ENGINE FAILURE DURING TAKEOFF RUN

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

### 2. - ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

Airspeed	85 KIAS
Landing Gear	DOWN
Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF

### 3. - ENGINE FAILURE DURING FLIGHT

Airspeed	85 KIAS
Fuel Selector Valve	CHANGE TANK
Booster	ON
Ignition Switch	BOTH (or START if propeller is stopped)
Mixture	IDLE CUTOFF
Mixture	FORWARD SLOWLY
a.- If engine don't start:	
Carburetor Heat	PULL ON
Mixture	CUTOFF then FORWARD SLOWLY
b.- If engine doesn't start	
Aircraft	LAND
c.- If engine Start:	
Throttle	AS REQUIRED
Booster	IDLE CUTOFF
Mixture	AS REQUIRED

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

Ignition	START
Booster	OFF

a.- If engine starts:

Throttle	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

Mixture	IDLE CUT-OFF
Fuel Selector Valve	OFF
Ignition Switch	OFF
Battery/Alternator Switch	OFF
Cabin Heat and Air	OFF
Airspeed	INCREASE
Forced Landing	EXECUTE