



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER PA-28-181 ARCHER II”
“CLUB AÉREO DE SANTIAGO”

A.- Limitaciones de Operación

1.- Limitaciones KIAS)

Va (2.550 lbs)	113
Vne	154
Vno	125
Vfe	102
Vs	53
Vso	47
Vx	64
Vy	76
Vr	52 - 65
Vapp (Flaps DN)	66
Vplaneo	76
Max Cross Wind	17

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/13
Capacidad Total	50
Capacidad Usable	48
Presión de Combustible (PSI)	
Máxima	8
Mínima	0.5

3.- Pesos (LBS)

Máximo TAKE-OFF	2.550
Máximo Equipaje	200

4.- Motor (Potencia Máxima)

Limitaciones Operativas de Motor	
Razón HP o BHP	180
Máximas RPM	2.700
Temperatura de Aceite (PSI)	
Máxima	245
Mínima	75
Presión de Aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de Maniobras (Cat. Normal)

Spin (Flaps UP)	Prohibido
Escarpados	113
Ocho Flojo	113
Chandela	113

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF

a.- If sufficient runway remains for a normal landing, land straight ahead:

Throttle	CLOSED
Brakes	APPLY
Land straight ahead	

b.- If insufficient runway remains:

Airspeed	MAINTAIN SAFE
Make Only Shallow Turn	TO AVOID OBSTRUCTIONS
Flaps	AS REQUIRED

c.- If sufficient altitude has been gained to attempt a restart:

Maintain Safe Airspeed	
Fuel Selector	SWITCH TO TANK CONTAINING FUEL
Electrical fuel pump	CHECK ON
Mixture	CHECK RICH
Carburetor Heat	ON
Primer	LOCKED

If power is not regained, proceed with power off landing.

2.- ENGINE POWER LOSS IN FLIGHT

Fuel Selector	SWITCH TO TANK CONTAINING FUEL
Electrical fuel pump	ON
Mixture	RICH
Carburetor Heat	ON
Engine Gauge	CHECK FOR INDICATION OF CAUSE OF POWER LOSS
Primer	CHECK LOCKED

a.- If no fuel pressure is indicated, check tank selector position to be sure it is on a tank containing fuel.

When power is restored:

Carburetor Heat	OFF
Electrical fuel pump	OFF

If power is not restored prepare for power off landing.

Trim for 76 Kias.

3.- ENGINE FIRE DURING START

Starter	CRANK ENGINE
Mixture	IDLE CUT OFF
Throttle	OPEN
Electric Fuel Pump	OFF
Fuel selector	OFF
Abandon if fire continues	

4.- ENGINE FIRE IN FLIGHT

Source of fire **CHECK**

Electrical Fire (smoke in cabin)

Master switch **OFF**

Vents **OPEN**

Cabin heat **OFF**

Land as soon as practicable.

Engine Fire:

Fuel selector **OFF**

Throttle **CLOSED**

Mixture **IDLE CUT OFF**

Electrical Fuel Pump **CHECK OFF**

Heater and Defroster **OFF**

Proceed with power off landing procedure.