



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“PIPER PA-28RT ARROW”
“CLUB AÉREO DE SANTIAGO”

A.- Limitaciones de Operación

1.- Limitaciones KIAS)

Va	121
Vne	190
Vno	149
Vfe	108
Vle	130
Vlo	109
Vs	59
Vso	53
Vx	77
Vy	87
Vr	65-75
Vapp (Flaps DN)	74
Vplaneo	79
Max Cross Wind	17

2.- Combustible (U.S. GAL)

Tipo a Utilizar	100/13
Capacidad Total	77
Capacidad Usable	72
Presión de Combustible (PSI)	
Máxima	45
Mínima	14

3.- Pesos (LBS)

Máximo TAKE-OFF	2.750
Máximo Equipaje	200

4.- Motor (Potencia Máxima Continua)

Limitaciones Operativas de Motor	
Razón HP o BHP	200
Máximas RPM	2.700
Temperatura de Aceite (°F)	
Máxima	245
Mínima	75
Presión de Aceite (PSI)	
Máxima	100
Mínima	25

5.- Límites de Maniobras (Cat. Normal)

Spin (Flaps UP)	Prohibido
Escarpados	121
Ocho Flojo	121
Chandela	121

B.- Emergency Procedure

1.- ENGINE POWER LOSS DURING TAKEOFF

a.- If sufficient runway remains for a normal landing, leave gear down and land straight ahead:

Throttle **CLOSED**

Brakes **APPLY**

Land straight ahead

b.- If area ahead is rough, or if it is necessary to clear obstructions:

Gear Selector Switch **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 **ON**

Mixture **RICH**

Alternate Air **OPEN**

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
Alternate Air	OPEN
Engine Gauge	CHECK FOR INDICATION OF CAUSE OF POWER LOSS

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:

Alternate Air	CLOSED
Auxiliary fuel pump	OFF

If power is not restored prepare for power off landing.

Trim for 79 Kias.

3.- ENGINE FIRE DURING START

Starter	CRANK ENGINE
Mixture	IDLE CUT OFF
Throttle	OPEN
Fuel selector	OFF
Electric Fuel Pump	OFF if ON
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 **OFF**

Heater and Defroster **OFF**

Proceed with power off landing procedure.