



**DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”**

**PIPER PA-28 201 ARROW III
“CC-AOV, Sr. OSCAR ARANDA MORA”**

A. LIMITACIONES DE OPERACION

1.- Velocidades (KIAS)

Va	118
Vne	183
Vmo	146
Vfe	103
Vle	129
Vs	60
Vso	55
Vy (Flaps UP, LG UP)	90
Vy (Flaps UP, LG Down)	78
Vx (Flaps UP, LG UP)	78
Vx (Flaps UP, LG Down)	72
Vr (Flaps = 0°)	65-75
Vr (Flaps = 25°)	50-60
Vapp	75
Vplaneo	79
Max Demo Coss Wind	17

4.- Motor

RPM	
Máximas	2.700
Rango Normal	500-2.700
Rango continuo prohibido bajo 15” MP	1.500- 1.950
Temperatura de aceite (F°)	
Máxima	245
Normal	75-245
Presión de Aceite (°F)	
Caution - Idle (Amarillo)	25-60
Normal (Verde)	60-90
Presión de Combustible (PSI)	
Mínimo	14
Máximo	45

3.- Pesos (LBS)

MTOW	2.750
Máx. Comp. Equipaje	200

B. EMERGENCIES PROCEDURES

1.- ENGINE FIRE DURING START

Starter	CRANK
Mixture	IDLE CUT OFF
Throttle	OPEN
Electric Fuel Pump	OFF
Fuel Selector	OFF
Abandon aircraft if fire continues	

2. - ENGINE POWER LOSS DURING TAKEOFF

If sufficient runway remains:

Landing Gear	LEAVE DOWN
Land straight ahead.	

If area ahead is rough or if it is necessary to clear obstructions:

Landing Gear	UP
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If sufficient altitude has been gained to attempt a restart:

Safe Airspeed	MAINTAIN
Fuel Selector	SWITCH TO TANK WITH FUEL
Electric Fuel Pump	CHECK ON
Mixture	CHECK RICH
Alternate Air	OPEN
Engine Gauges	CHECK FOR INDICATION

If power is not regained, proceed with power off landing

3. - ENGINE POWER LOSS IN FLIGHT

Fuel Selector	SWITCH TO TANK WITH FUEL
Electric Fuel Pump	ON
Mixture	RICH
Alternate Air	OPEN
Engine Gauges	CHECK FOR INDICATION

When Power is restored:

Alternate Air	CLOSED
Electric Fuel Pump	OFF

If Power is not restored, prepare for Power Off Landing.

Airspeed	TRIM FOR 79 KIAS
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4. - POWER OFF LANDING

Speed trim for	79 KIAS
Suitable Field	LOCATE
Downwind altitude	1.000 FEET
Final Speed	72 KIAS

5. - FIRE IN FLIGHT

Source of fire CHECK

Electrical Fire (smoke in cabin):

Master Switch OFF

ALTR Switch OFF

Vents OPEN

Cabin Heat OFF

Land AS SOON AS POSSIBLE

Engine Fire:

Fuel Selector OFF

Throttle CLOSED

Mixture IDLE CUT OFF

Electric Fuel Pump CHECK OFF

Heater and Defroster OFF

Power Off Landing Procedure EXECUTE