



DEPARTAMENTO "SEGURIDAD OPERACIONAL"
SUBDEPARTAMENTO "LICENCIAS"

"Cessna C172P"

"CC-KAD"

A. LIMITACIONES DE OPERACIÓN

1.- Limitaciones (Velocidades)

| | KIAS |
|------------------|--------------|
| Va | 99 |
| Vne | 158 |
| Vno | 127 |
| Vfe 10° | 110 |
| Vs | 44 |
| Vs0 | 33 |
| Vx | 60 |
| Vy | 76 |
| Vr | 55 |
| Vapp (Flap Down) | 60-70 |
| Vplaneo | 65 |
| Max Cross Wind | 15 |

2.- Combustible (U.S. GAL)

| | |
|--------------------|----------------|
| Tipo a Utilizar | 100/130 |
| Capacidad total | 54 |
| Combustible Usable | 50 |

3.- Pesos (LBS)

| | |
|-----------------|-------------|
| Máximo TAKE-OFF | 2400 |
| Máximo Equipaje | 120 |
| Peso Vacío | 1517 |

4.- Motor (Potencia Máxima Continua)

| Limitaciones Operativas de Motor | |
|-----------------------------------------|-------------|
| Razón HP ó BHP | 160 |
| Máximas RPM | 2700 |
| RPM Estáticas | |
| Máximas | 2420 |
| Mínimas | 2300 |
| Temperatura de Aceite (°F) | |
| Máxima | 245 |
| Mínima | 100 |
| Presión de Aceite (PSI) | |
| Máxima | 115 |
| Mínima | 25 |

5.- Límites de maniobras (Cat. Utilitario)

| Maniobra | KIAS |
|-----------------|--------------------------|
| Spin (Flaps Up) | Slow Deceleration |
| Escarpados | 95 |
| Ocho Flojo | 105 |
| Chandela | 105 |

B. EMERGENCY PROCEDURES

1. ENGINE FAILURE DURING TAKE-OFF ROLL

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

2. ENGINE FAILURE IMMEDIATELY AFTER TAKE-OFF

| | |
|--------------------|----------------------------------------------------------|
| Airspeed | 65 KIAS (Flaps UP) 60 KIAS (Flaps Down) |
| Mixture | IDLE CUT OFF |
| Fuel Shutoff Valve | OFF |
| Ignition Switch | OFF |
| Wing Flaps | AS REQUIRED |
| Master Switch | OFF |

3. ENGINE FAILURE DURING FLIGHT

| | |
|---------------------|----------------------|
| Airspeed | 65 KIAS |
| Carburetor Heat | ON |
| Fuel Selector Valve | BOTH |
| Mixture | RICH |
| Ignition Switch | BOTH |
| Primer | IN and LOCKED |

4. ENGINE FIRES DURING START ON GROUND

Cranking **CONTINUE**

a. - if engine starts

Power **1700 RPM**

Engine **SHUTDOWN**

b. - if engine fails to start

Throttle **FULL OPEN**

Mixture **IDLE CUT OFF**

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 Shutoff Valve | OFF |
| Master Switch | OFF |
| Cabin Heat and Air | OFF |
| Airspeed | 100 KIAS |
| Forced Landing | EXECUTE |