



DEPARTAMENTO “SEGURIDAD OPERACIONAL”
SUBDEPARTAMENTO “LICENCIAS”
SECCIÓN EVALUACIONES

“DORNIER D-228-202 (K)”

“AEROCARDAL”

A.- Limitaciones de Operación

| 1.- Limitaciones de Velocidad | |
|-------------------------------|-----------|
| | KIAS |
| Va | 147 |
| Vb | 140 |
| Vne | 200 |
| Vmo up to 15,000' | 200 |
| Vmo 15,000' to 25,000' | 200 a 165 |
| Vfe 1 | 150 |
| Vle | 160 |
| Vmca Flaps UP | 79 |
| Vmu | 140 |
| Vs (6.200 Kgs) | 85 |
| Vso (6.200 Kgs) | 67 |
| Vx | 80 |
| Vy | 120 |
| Vyse | 108 |
| V ₁ | 97 |
| V ₂ | 101 |
| Airstart | 92 |
| Vapp (flaps 1) | 100 |
| Max Cross Wind | 30 |

2.- Combustible (LBS)

| | |
|------------------|-----------|
| Tipo a Utilizar | JET A, A1 |
| Capacidad Usable | 4.156 |
| Capacidad Total | 4.251 |

3.- Pesos (LBS)

| | |
|-----------------|--------|
| Máximo TAKE-OFF | 13.669 |
| Baggage FWD | 265 |
| Baggage AFT | 463 |

4.- Starter Limitations

| | | | | | |
|----|---------|----|----|---------|-----|
| 60 | Seconds | On | 60 | Seconds | Off |
| 60 | Seconds | On | 5 | Minutes | Off |
| 60 | Seconds | On | 1 | Hour | Off |

B.- Emergencies Procedures

1.- ENGINE MALFUNCTION (TAKEOFF EMERGENCY)

a. Before Reaching V_1

Directional Control

MAINTAIN

Power Levers

FI, GI (CHECK BETA LIGHTS ON)

REVERSE

b. After Reaching V_1

– If decision is made to continue takeoff:

Airplane Control

MAINTAIN

Power Levers

MAX

– After lift off:

Ldg Gear

UP

Airspeed

OBTAIN V_2

Faulty Engine

DETERMINE

Engine Speed Lever (FE)

SHUTOFF AND FEATHER

– After clearing all obstacles:

Flaps Lever

UP AT OR ABOVE 100 KIAS AND 400'AGL

2.- ENGINE FAILURE AFTER TAKEOFF

Airplane Control

MAINTAIN

Landing Gear

RECHECK DOWN

Airspeed

OBTAIN $V_{REF SE}$ (IF APPLICABLE)

Power Levers

RETARD (WHEN LANDING IS ASSURED)

Brakes

APPLY, AVOID SKIDDING

3.- ENGINE FIRE ON GROUND

Fire Cock Switch **CLOSE**

Bleed Air Switch **OFF**

- a. After the engine has flame out:

Power Lever **REVERSE TO ENGAGE START LOCK (AT
60 TO 30 % rpm)**

4.- ENGINE FIRE IN FLIGHT / SEVERE MECHANICAL DAMAGE.

Engine Speed Lever **SHUTOFF AND FEATHER**

Fire Cock Switch **CLOSE**

Bleedair Switch **OFF**

Air-conditions Sel. Switch **RAM AIR**

- a. In case of engine fire:

Fire Handle **PULL AND TURN**

5.- ELECTRICAL FIRE ON GROUND

Master Switch **OFF**

- a. In case of engine fire:

Engine Speed levers **SHUTOFF AND FEATHER**

6.- CABIN FIRE IN FLIGHT

Fire Extinguisher **FIGHT FIRE**

7.- V_{MO} WARNING

Airspeed **REDUCE TO BELOW V_{MO}**

8.- ENGINE MALFUNCTION IN FLIGHT

a. Airspeed below V_{MC}

Pitch attitude

Power Levers

Aileron and Rudder

LOWER THE NOSE TO REACH V_{MC}

RETARD AS REQUIRED TO STOP YAW
AND ROLL

AS REQUIRED TOWARDS THE
OPERATIVE ENGINE TO MAINTAIN
CONTROLLED FLIGHT

b. Airspeed above V_{MC}

Airplane Control

Power Levers

Faulty Engine

MAINTAIN

ADJUST AS REQUIRED

DETERMINE

9.- EMERGENCY DESCENT

Power Levers

Engine Speed Levers

Airspeed

FI

HIGH

V_{MO}