



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

**“DORNIER D-228-202”**

**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 <sub>1</sub>	97
V <sub>2</sub>	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<sub>MO</sub> WARNING

Airspeed **REDUCE TO BELOW V<sub>MO</sub>**

## 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

$V_{MO}$