



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

**“DE HAVILLAND CANADA TWIN OTTER DHC-6 SERIE 300”**

**A.- Limitaciones de Operación**

1.- Limitaciones de Velocidad	
	KIAS
Va (S/L a 18.000')	132
Vb (S/L a 18.000')	132
Vne (S/L)	198
Vmo (S/L – 6700')	166
Vfe 10°	103
Vmca 10° (autofeather)	64
Vs	73
Vso	56
Vx	87
Vy	100
Vyse	80
V <sub>1</sub>	73-75
Vapp (flaps 37.5°)	74
Max Cross Wind	20 (6')

2.- Combustible (U.S. GAL)

Tipo a Utilizar	Jet A, Jet A1, JP-1
Capacidad Total	2.458

3.- Pesos (LBS)

Máximo TAKE-OFF	12.500
Baggage FWD	300
Baggage AFT	500

4.- Starter Limitations

25	Seconds	On	1	Minute	Off
25	Seconds	On	1	Minute	Off
25	Seconds	On	30	minutes	Cooling

5.- Velocidades por Altitudes

Vmo		Vne	
	KIAS		KIAS
S/L a 6,700'	166	S/L	198
10,000'	156	6,700'	189
15,000'	141	10,000'	182
20,000'	126	15,000'	172
25,000'	112	20,000'	162
		25,000'	152

## B.- Emergencies Procedures

### 1.- ENGINE FAILURE DURING TAKE-OFF BEFORE VMC OR V1

a.- Sufficient Runway:

Power Levers	IDLE
Brakes	APPLY

b.- Insufficient Runway:

Power Levers	Retard To Maintain Airplane Control
Land	Straight Ahead, Turn Only To Avoid Obstacles

### 2. - ENGINE FAILURE DURING TAKE-OFF ABOVE VMC OR V1

Control	Maintain Heading With Rudder, Lower The Wing On The Side Of The Operating Engine Up To 5°.
Power Lever	Advance To The Torque, T5 Or Ng Limit (Operative Engine), Whichever Is Reached First
Airspeed	MAINTAIN 80 KNOTS WHIT FLAP 10°
Power Lever (Inop. Eng.)	IDLE
PROP lever (Inop. Eng.)	FEATHER

### 3. - ENGINE FAILURE DURING FLIGHT

Increase power (Oper. Eng.)	As Required Up To The T5, Torque, Or Ng Limit, Whichever Is Reached First
Power Lever (Inop. Eng.)	IDLE
PROP lever (Inop. Eng.)	FEATHER
FUEL lever (Inop. Eng.)	OFF
AFT or FWD BOOST (Inop. Eng.)	OFF (check appropriate caution light illuminate)
FUEL OFF shutdown (Inop. Eng.)	OFF

### 4. - POWER PLANT FIRE ON THE GROUND

Power Levers	IDLE
PROP lever	FEATHER
FUEL lever	OFF
FUEL OFF emergency switch	OFF
FIRE PULL HANDLE (affect eng.)	PULL
BOOSTER PUMP switches	OFF
DC MASTER switch	OFF
Evacuate airplane	

### 5. - POWER PLANT FIRE IN FLIGHT

Power Levers	IDLE
PROP lever	FEATHER
FUEL lever	OFF
FUEL OFF emergency switch	OFF
FIRE PULL HANDLE (affect eng.)	OFF
BOOSTER PUMP switches	OFF