



DEPARTAMENTO "SEGURIDAD OPERACIONAL"  
 "SUBDEPARTAMENTO "LICENCIAS"

**"PILATUS PC-12 NGX (PC12)"**

**"N872DG"**

**A.- OPERATING LIMITATION**

**1.- Limitation Speed (KIAS)**

Vo	<b>166</b>
Vmo	<b>240</b>
Vfe Take-Off Conf (15°)	<b>165</b>
Vfe Landing Conf	<b>130</b>
Vlo Extension	<b>180</b>
Vlo Retraction	<b>180</b>
Vle	<b>240</b>
Vs (idle) 0° Flaps no ice	<b>93</b>
Vs (idle) 15° Flaps no ice	<b>76</b>
Vx	<b>120</b>
Vy 0° Flaps	<b>130</b>
Vapp (Flaps DN 40°)	<b>85</b>
Glide Speed (6400 lbs)	<b>93</b>
Max Cross Wind (Flaps)	<b>15</b>

**3.- Weight (LBS)**

Maximum RAMP	<b>10.495</b>
Maximum TAKE-OFF	<b>10.450</b>
Maximum LANDING	<b>9.921</b>
Maximum Zero fuel Weight	<b>9.039</b>
Baggage	<b>400</b>

**4.- Engine (Maximum Continuous Power)**

<b>Engine Operating Limitations</b>	
Reason SHP	<b>1200</b>
Maximum RPM 100% Np	<b>1700</b>
<b>Oil Pressure (PSI)</b>	
Maximum	<b>135</b>
Minimum	<b>60</b>
<b>Oil Temperature (°C)</b>	
Maximum	<b>110</b>
Minimum	<b>15</b>

**2.- Fuel (U.S. GAL)**

Type to Use	<b>JET A-1</b>
Total Capacity	<b>406.8</b>
Usable Capacity	<b>402</b>
Max Fuel Imbalance	<b>26.4</b>
<b>Fuel Pressure (PSI)</b>	
Maximum	<b>43</b>
Minimum	<b>2</b>

**5.- Starter Limitation If Ng ≤ 30%**

<b>1 Sequence</b>	<b>60 seg</b>	<b>OFF</b>
<b>2 Sequence</b>	<b>60 seg</b>	<b>OFF</b>
<b>3 Sequence</b>	<b>30 min</b>	<b>OFF</b>



## **B.- EMERGENCIES PROCEDURES**

### **3.- ENG. FAILURE AFTER ROTATION – Landing gear up**

If total power loss:

- 1. Landing Gear                    Down, if landing site allows,**
- 2. Flaps                                40°**
- 3. Final App Speed                88 KIAS (flaps 40°)**
- 4. PCL                                  Idle**
- 5. Engine Switch                  OFF**
- 6. Fuel Emerg Shut Off        PRESS LATCH DOWN AND PULL LEVER UP**

After touch down:

- 7. MASTER POWER Switch        EMERGENCY OFF**

After the aircraft has stopped

- 8. Aircraft.                            Evacuate**

#### 4.- ENG. FAILURE IN FLIGHT (TOTAL POWER LOSS)

1. Auto Pilot **93 KIAS (6400 lbs)**
2. PCL **Idle**
3. Aircraft **PROCEED TO NEAREST AIRFIELD**
4. Remaining Fuel **CHECK**

If no mechanical damage suspected and time permits:

5. Carry out **AIR START**

if cabin altitud is above 10.000 ft

6. Carry out **EMERGENCY DESCENT**

If no air start:

7. Carry out **EMERGENCY LANDING**

#### 5.- EMERGENCY DESCENT (MAX. RATE DESCENT)

1. PCL **Idle**
2. Landing Gear **Below 180 KIAS, down**
3. Aircraft Speed **Mmo/Vmo**
4. All Occupants **CHECK BELTS FASTENED**
5. Main OXYGEN lever **Confirm ON**
6. Crew oxygen masks. **Prepare. Put on before cabin altitude exceeds 10,000 ft**

**6.- EMERGENCY LANDING (glide distance and speed)**

- 1. LANDING GEAR      UP**
- 2. FLAPS                0°**
- 3. BEST GLIDE SPEED   93 KIAS (6400 LBS)**