



DEPARTAMENTO “SEGURIDAD OPERACIONAL”  
“SUBDEPARTAMENTO “LICENCIAS”

“DIAMOND DA-40”

“CC – AHV”

**A.- OPERATING LIMITATIONS**

**1.- Limitations (Speed)**

	<b>KIAS</b>
Va	<b>108</b>
Vne	<b>178</b>
Vno	<b>129</b>
Vfe	<b>108/91</b>
Vr	<b>59</b>
Vapp (Flap Down)	<b>91</b>
Vplaneo	<b>60-76</b>

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

Type to Use	<b>100 LL</b>
Total Capacity	<b>50</b>
Usable Capacity	<b>48</b>

**3.- Weight (LBS)**

Maximum TAKE-OFF	<b>2646</b>
Empty weight	<b>1844</b>

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

<b>Engine Operating Limitations</b>	
Reason HP o BHP	<b>13/30</b>
Maximum RPM	<b>2700</b>
Continuous	<b>2400</b>
<b>Static RPM</b>	
Maximum	<b>2400</b>
Minimum	<b>500</b>
<b>Oil Temperature (°F)</b>	
Minimum	<b>149</b>
Maximum	<b>230</b>
<b>Oil Pressure (PSI)</b>	
Minimum	<b>56</b>
Maximum	<b>95</b>

**5.- Limits**

Max Operating altitud	<b>16400 fts</b>
Min crew	<b>1</b>

**B.- EMERGENCIES PROCEDURES**

**1. ENGINE FAILURE DURING TAKEOFF ROLL**

Throttle	<b>IDLE</b>
Brakes	<b>AS REQUIRED</b>

**2. ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF**

Airspeed	<b>59 – 74</b>
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**3. ENGINE FAILURE IN FLIGHT (restart procedures)**

Airspeed	<b>60 – 76</b>
Electrical fuel pump	<b>ON</b>
Fuel Selector Tank	<b>CHECK SELECTED TANK</b>
Engine Instruments	<b>CHECK</b>
Mixture Control	<b>SET FOR SMOOTH RUNNING</b>
Alternate Air	<b>OPEN</b>
Ignition switch	<b>CHECK BOTH</b>