

Part II

Chapter 1—Engine Limitations

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1 Limitations—Sapphire Mk. 202 or Mk. 207

<i>Condition</i>	<i>Time limit (mins.)</i>	<i>Engine speed % (100%=8,600 RPM)</i>	<i>JPT °C (max.)</i>
Take-off and Operational Necessity	10	100.5 (see NOTE 1)	660
Intermediate	30	98 (see NOTE 2)	625
Max. Continuous	None	96 (see NOTE 2)	600
Ground Idling	None	37.5±2.5	650
Ground Starting	—	—	875*

*(800°C if modified gauges not fitted)

NOTE 1: Without top temperature control in use, great care must be taken not to exceed 660°C especially in high ambient temperatures.

NOTE 2: If the three datum JPT control is fitted, it maintains constant JPT at Take-off, Intermediate and Max. Continuous rating to 660° \pm $\frac{0}{-10}$ 625° \pm $\frac{0}{-10}$ and 600° \pm $\frac{0}{-10}$ respectively. Therefore engine speed will change with altitude and up to 20,000 feet the RPM for Intermediate and Max. continuous may be allowed to increase to 98.5% and 96.5% respectively.

NOTE 3: Below 10,000 feet, above 300 knots, the engines are not to be operated in the RPM band 80% to 85%, although they may be accelerated or decelerated through it.

2 Oil pressures

Minimum at Ground Idling 8 PSI

Normal at Max. Continuous 30-38 PSI

Minimum at Max. Continuous 25 PSI



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