

2.2.1 Airspeed Indicator Markings

MARKINGS	CAS or RANGE	SIGNIFICANCE
Red Line	203 mph	VNE
Yellow Arc	169-203 mph	Conduct Operations with caution and only in smooth air
Green Arc	71-169 mph	Normal operating range. Lower limit is VS Upper limit is VNO
White Arc	61-108 mph	Full flap operating range. Lower limit is Vso Upper limit is VFE

2.3 POWER PLANT LIMITATIONS

Number of Engines **1**

Engine Manufacturer
Teledyne Continental

Engine Model No. **IO-550-R**

Engine Operating Limits

For Take Off and

Continous Operation:

Maximum Power

Indication **310 hp**

Maximum Rotational

Speed **2700RPM**

Maximum Manifold

Pressure **Full Throttle
At Sea Level**

Maximum Cylinder

Head Temp. **237.8°C**

Maximum Oil

Temp. **115.5°C**

Oil Pressure (Minimum and Maximum)
10-60 psi

Fuel Pressure (Minimum and Maximum)
1.5 – 17.5 psi

Fuel Grade & Color **100/130 Blue**

Oil Grade

Above 40°F **50 or 20W65**

Below 40°F **30 or 10W-30, 15W50 or
20W50**

Propeller Manufacturer

Hartzell

Propeller Hub/Blade

Model No. **PHC-J3YF-1RF/F7693F**

Propeller Diameter

(Minimum & Maximum)

Three Blade **75"-78"**

Propeller Operating

Limit **2700 RPM**