

AIRSPEED LIMITATIONS (CAS).

The following is a list of the certificated calibrated airspeed (CAS) limitations for the airplane.

Never Exceed Speed (glide or dive, smooth air)	185 MPH
Maximum Structural Cruising Speed	155 MPH
Maximum Speed	
Flaps 10°	130 MPH
Flaps 10° to 30°	105 MPH
*Maneuvering Speed	117 MPH

*The maximum speed at which you may use abrupt control travel.

AIRSPEED INDICATOR MARKINGS.

The following is a list of the certificated calibrated airspeed markings (CAS) for the airplane.

Never Exceed (glide or dive, smooth air)	185 MPH (red line)
Caution Range	155-185 MPH (yellow arc)
Normal Operating Range	66-155 MPH (green arc)
Flap Operating Range (10° to 30°)	56-105 MPH (white arc)

ENGINE OPERATION LIMITATIONS.

Power and Speed	180 BHP at 2700 RPM
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ENGINE INSTRUMENT MARKINGS.

OIL TEMPERATURE GAGE.

Normal Operating Range.	Green Arc
Maximum Allowable.	245° F (red line)

CYLINDER HEAD TEMPERATURE GAGE.

Normal Operating Range	200° to 500° F (green arc)
Maximum Allowable	500° F (red line)

OIL PRESSURE GAGE.

Minimum Idling. 25 psi (red line)
Normal Operating Range. 60-90 psi (green arc)
Maximum 100 psi (red line)

FUEL PRESSURE GAGE.

Minimum 2 psi (red line)
Normal Operating Range. 2-8 psi (green arc)
Maximum 8 psi (red line)

FUEL QUANTITY INDICATORS.

Empty (0.5 gallons unusable each bay) E (red line)

TACHOMETER.

Normal Operating Range 2100-2500 RPM (green arc)
Caution Range 1700-1900 RPM (yellow arc)
Maximum Allowable 2700 RPM (red line)

MANIFOLD PRESSURE GAGE.

Normal Operating Range 15 to 24 in. Hg.(green arc)

CARBURETOR AIR TEMPERATURE GAGE (OPT).

Icing Range -15° to 5°C (yellow arc)

WEIGHT AND BALANCE.

The following information will enable you to operate your Cessna within the prescribed weight and center of gravity limitations. To figure the weight and balance for your particular airplane, use the Sample Problem, Loading Graph, and Center of Gravity Moment Envelope as follows:

Take the licensed empty weight and moment from the Weight and Balance and Installed Equipment Data sheet (or changes noted on FAA Form 337) carried in your airplane, and write them down in the column titled YOUR AIRPLANE on the Sample Loading Problem.

NOTE

The Weight and Balance and Installed Equipment Data