

**SECTION 2
LIMITATIONS**

2.1 GENERAL

This section provides the "FAA Approved" operating limitations, instrument markings, color coding and basic placards necessary for operation of the airplane and its systems.

Limitations associated with those optional systems and equipment which require handbook supplements can be found in Section 9 (Supplements).

2.3 AIRSPEED LIMITATIONS

SPEED	KIAS	KCAS
Never Exceed Speed (VNE) - Do not exceed this speed in any operation.	197	189
Maximum Structural Cruising Speed (VNO) - Do not exceed this speed except in smooth air and then only with caution.	154	150
Design Maneuvering Speed (VA) - Do not make full or abrupt control movements above this speed.		
At 3600 LBS. G.W.	134	132
At 2230 LBS. G.W.	105	104

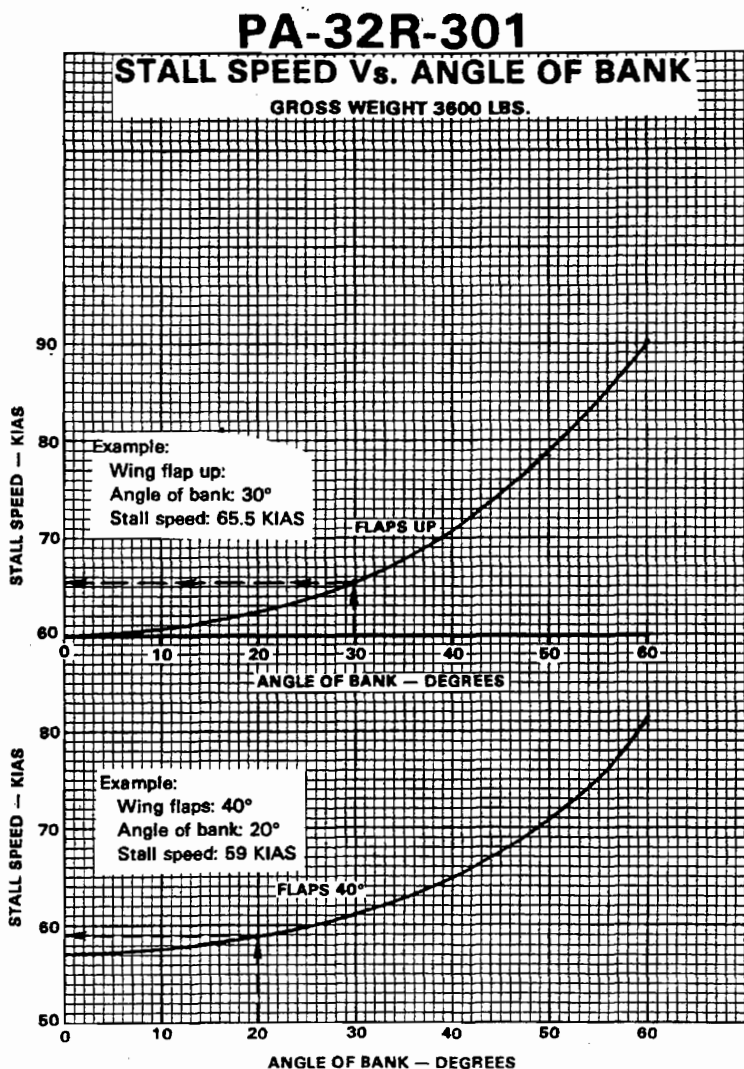
CAUTION

Maneuvering speed decreases at lighter weight as the effects of aerodynamic forces become more pronounced. Linear interpolation may be used for intermediate gross weights. Maneuvering speed should not be exceeded while operating in rough air.

SPEED	KIAS	KCAS
Maximum Flaps Extended Speed (V_{FE}) - Do not exceed this speed with the flaps extended.	112	109
Maximum Landing Gear Extension Speed (V_{LO}) - Do not exceed this speed when extending the landing gear.	132	130
Maximum Landing Gear Retraction Speed (V_{LO}) - Do not exceed this speed when retracting the landing gear.	110	109
Maximum Landing Gear Extended Speed (V_{LE}) Do not exceed this speed with the landing gear extended.	132	130

2.5 AIRSPEED INDICATOR MARKINGS

MARKING	IAS
Red Radial Line (Never Exceed)	197 KTS
Yellow Arc (Caution Range - Smooth Air Only)	154 KTS to 197 KTS
Green Arc (Normal Operating Range)	60 KTS to 154 KTS
White Arc (Flap Down)	57 KTS to 112 KTS



STALL SPEED VERUS ANGLE OF BANK

Figure 5-5