



6 LIMITATIONS

6.1 INTRODUCTION

This section contains operation limitation, instrument marking and basic placards necessary for safe operation of airplane and its engine, standard systems and equipment.

Limitation for optional systems and equipment are stated in section 15 - Supplements.

6.2 AIRSPEED LIMITATIONS

CAUTION!

LSA MAXIMUM SPEED FOR ALL OPERATIONS IS 120 KNOTS CAS,
WHICH REPRESENTS 133 KNOTS IAS FOR M-8 EAGLE.

	AIRSPEED	IAS [KNOTS]	IAS [KM/H]	REMARKS
V _{NE}	Never Exceed Speed	135	250	This speed may not be exceeded under any circumstances!
V _{NO}	Maximum Structural Cruising Speed	108	200	This speed should not be exceeded except in smooth air, and then only with increased caution.
V _S	Stall Speed - Clean	40	74	Stall speed flap up.
V _{SO}	Stall Speed – Landing Configuration	38	70	Stalling speed at maximum take-off weight and at the landing configuration.
	Flaps deflection: Degrees/Use 15° / Take-off 30° / Landing 40° / Landing (Short field landing)	38 38 38	71 70 70	
V _{FE}	Maximum Flap Extended Speed	65	120	Maximum allowed speed with flaps fully deflected (40°).
		73	135	Maximum allowed speed with flaps pos. 15° and 30°.
V _A	Design Maneuvering Speed	94	175	Maximum speed at which full or abrupt control movement may be made. Do not apply full deflections above this speed, because under certain conditions the aircraft may be over-stressed by full control movement.
V _{RA}	Maximum speed in turbulent air	108	200	

