

2. Limitations

This section 2 includes operating limitations, instrument markings and basic placards necessary for safe operation of the aeroplane, its engine, standard system and standard equipment.

Airspeed

Airspeed limitations and their operational significance are shown below:

	Speed	IAS (kt)	Remarks
VNE	Never exceed speed	94	Do not exceed this speed in any operation
VNO	Maximum structural cruising speed	78	Do not exceed this speed except in smooth and then only with caution
VA	Manoeuvring speed	62	Do not make full or abrupt control movement above this speed, because under certain condition the aircraft may be overstressed by full control movement
VFE	Maximum Flap extended speed	55	Do not exceed this speed with flaps extended.

Airspeed indicator markings:

Airspeed indicator markings and their colour-code significance are shown below:

Marking	IAS value or range (kt)	Significance
White arc	30 - 55	Positive Flap Operating Range
Green arc	34 - 78	Normal Operating Range
Yellow arc	62-94	Manoeuvres must be conducted with caution and only in smooth air
Red line	94	Maximum speed for all operation

Powerplant:

Engine manufacturer.....	General Motors	JABIRO
Engine Model:	Cummins 2200A	2200A
Maximum Power, take-off	100 HP	80
continuous:	90 HP	70
Maximum Engine RPM, take-off..	3600	3200
continuous	3600	2800