

2.1 Speed Limits

	Speed	IAS ¹	Note
V _{NE}	Never exceed speed in still air Flap setting: S	220 km/h (118 kts)	Do not exceed this speed in any flight condition, and do not deflect controls by more than 1/3 of full travel in this condition.
V _{RA}	Rough air speed	150 km/h (81 kts)	Do not exceed this speed if not in still air, and when necessary, exercise the utmost care. Vertical gusts or strong thermals encountered when flying beyond this speed may result in the maximum allowable load factor being exceeded.
V _A	Design maneuvering speed	150 km/h (81 kts)	Do not apply controls sharply or to full travel when flying beyond this speed as this may result in aircraft overloading.
V _{FE}	Maximum flap extension speed Flap setting: L	140 km/h (75 kts)	Do not exceed this speed with the specified flap setting.
V _{AB}	Maximum speed with airbrakes extended	140 km/h (75 Kts)	Do not exceed this speed when airbrakes are extended
V _P	Maximum speed with rotating propeller	160 km/h (86 kts)	Do not exceed this speed with rotating propeller.
V _T	Maximum aerotow speed	130 km/h (70 Kts)	Do not exceed this speed during aerotow
V _W	Maximum Winch Launch speed	110 km/h (60 Kts)	Do not exceed this speed during winch launch

¹ Indicated Air Speed

2.3 Airspeed Indicator Markings

Reference	IAS Value or Range	Indication
White arc	70 – 140 km/h (38 – 75 kts)	Normal operating range with flaps at position L
Green Arc	75 – 150 km/h (40 – 81 kts)	Normal operating range
Yellow Arc	150 – 219 km/h (81 – 118 kts)	Flight maneuvers shall be performed with care, not permitted in rough air
Red Line	220 km/h (118 kts)	Never exceed speed (VNE)
Yellow Marker	85 km/h (46 kts)	Pattern speed at gross weight and calm wind

For graphic representations of the airspeed markings, please refer to Figures 2.1a and 2.1b on the following pages .