



Callsign: 24-nnnn

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LEGEND 600

Pilot's Operating Handbook



3 Operating limits

3.1 Speeds

All speeds stated in this Manual are Indicated Air Speeds IAS!

Never-exceed speed, $V_{NE} = 240\text{km/h}$

This speed must not be exceeded under any circumstances!

Stalling speed at maximum take-off weight and at the landing configuration, V_{SO} :

67km/h 40kn

Maximum allowed speed with flaps fully deflected, V_{FE} :

135km/h 72kn

Flaps deflection:

Degrees/Use	1 – 15° / Take-off	135km/h 72kn
Degrees/Use	2 – 30° / Landing	135km/h 72kn
Degrees/Use	3 – 40° / Landing	135km/h 72kn

Maximum speed in turbulent air:

202km/h 108kn

Maximum manoeuvre speed, V_A :

180km/h 97kn

Do not apply full deflections above this speed

3.2 Wind speed limits

Maximum allowed headwind speed

20kn

Maximum allowed crosswind speed:

8kn (inexperienced pilot)

15kn (Experienced pilot/Instructor)

Tailwind take-off and landing should be avoided.

3.3 Powerplant limits

Maximum allowed speed:

5800rpm for 5 minutes

Maximum continuous speed:

5500rpm

Idling speed, approximately:

1400rpm

Maximum cylinder head temperature:

130°C

Maximum oil temperature:

135°C

Minimum air temperature at starting:

-25°C

Maximum air temperature at starting:

50°C

Oil pressure:

1.15 – 4.0bar