

2.7.3 Crosswind

Directional controllability during takeoff and landing is assured for flight condition with crosswind components up to 17 kt. Refer to wind component diagram in sect. 1.

2.8 Altitude limitations

NOTE All altitudes given in this manual are pressure altitudes, unless otherwise indicated.

Maximum operating altitude:

- For a gross mass up to 3000 kg 15 000 ft
- For a gross mass above 3000 kg 10 000 ft
- or if OAT is below -30 °C 12 000 ft

Additional limitation for hover in ground effect, takeoff and landing:
Maximum operating altitude 11 000 ft DA

2.9 Environmental operating conditions
2.9.1 Ambient air temperature limitations

- Min. air temperature limit -35 °C

EFFECTIVITY If cold weather kit 117-800181 and SPAS installed and operational:

Min. air temperature limit -45 °C

- Max. air temperature limit ISA + 35 °C
(max.+ 50 °C)

NOTE See also para 2.13.2 for fuel temperature limits.

2.9.2 Engine anti-icing

Engine anti-icing must be on when the ambient temperature is below 4.5 °C and visible moisture is present, except for takeoff and landing.

2.9.3 Pitot and static port heating

Pitot heating and static port heating must be on when ambient temperature is below 4.5 °C and visible moisture is present.

2.9.4 Icing conditions

Flight into known icing condition is prohibited.

2.9.4 Battery temperature limits

When outside air temperature is below -30 °C use of the aircraft battery for engine start without battery preheating to at least -30 °C is prohibited.

When the engines are started using an external power unit at an OAT of -40 °C or below, the battery shall be preheated to at least -40 °C.