

SECTION 2.3

FLIGHT ENVELOPE LIMITS

1 AIRSPEED LIMITS

All airspeed limitations are Indicated Airspeeds.

1.1 WITH DOORS CLOSED



The opening of the baggage compartment access panel in the cabin has no effect on closed doors airspeed limitations.

1.2 WITH DOORS OPENED OR REMOVED

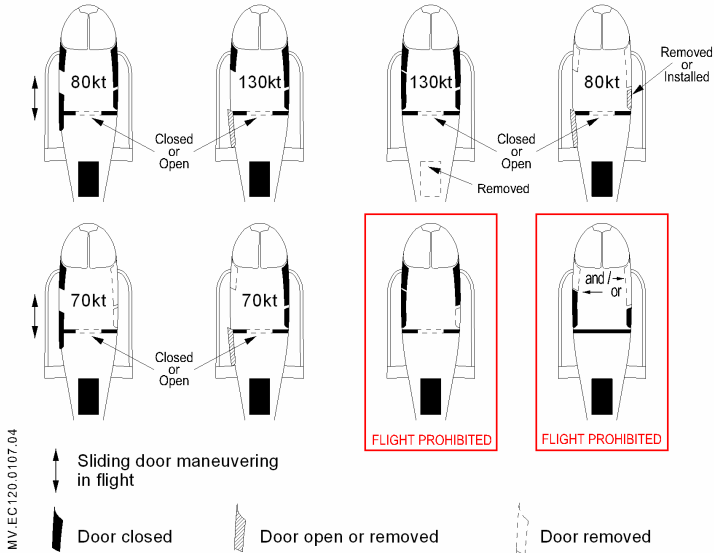
NOTE

Flight with any configuration not shown is prohibited.

In configurations with at least one door opened or removed, loose objects shall not be in the cabin.

- For aircraft up to S/N 1677 except S/N 1674 and for aircraft S/N 8001 to 8034:

The VNE is the value as shown below (adapted to the doors configuration) or the VNE « doors closed », whichever is less.

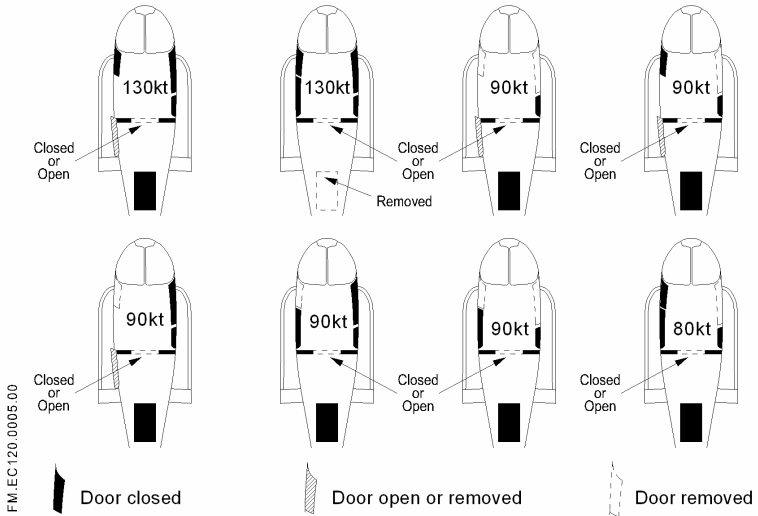


- For aircraft S/N 1674 and from S/N 1678 except for aircraft S/N 8001 to 8034:

The VNE is the value as shown below (adapted to the doors configuration) or the VNE « doors closed », whichever is less.

Sliding door opening-closing

in any authorized configuration VNE = 70 kt



2 ALTITUDE LIMITS

Maximum operating altitude in flight Hp = 20000 ft (6096 m)

3 TEMPERATURE LIMITS

- Minimum temperature - 30°C
- Maximum temperature ISA+35°C
limited to +50°C

For cold weather operations (- 40°C ≤ OAT < 30°C), refer to SUP.4.

4 LANDING AND ROTOR STOPPING LIMITATIONS ON SLOPE

- Nose up 10°
- Nose down 6°
- Sideways 8°

5 MANEUVERING LIMITATIONS

- Continued operation in servo transparency (where load feedback is felt in the controls) is prohibited.

Maximum load factor is a combination of TAS, H_σ and gross weight. Avoid such combinations at high values associated with high collective.

Transparency may be reached during maneuvers, steep turns, hard pull-up or when maneuvering near VNE. Self-correcting, the phenomenon will induce an uncommanded right cyclic load and an associated collective down reaction. However, even if the transparency feedback loads are fully controllable, immediate action is required to relieve the feed back loads: reduce the severity of the maneuver, follow the aircraft's natural reaction, let the collective decrease naturally (avoid low pitch) and smoothly counteract the right cyclic motion.

Transparency will disappear as soon as excessive loads are relieved.

- In maximum power configuration, decrease collective slightly before initiating a turn, as for this maneuver the power requirement is increased.
- In hover, avoid rotation faster than 6 sec. per full rotation.