

G500 Limitations

Acft wingspan	
Acft length	
Acft tail height	
Taxi turn radius using tiller	
Taxi turn radius rudder pedals	
Max number passengers	
Rwy considered wet	
Rwy considered contaminated	
Max rwy slope	
Max t-w (tkof/lbg)	
Max t-w for F10 or less	
Static tkof c-w limit	
Max PA (tkof/lbg)	
Max c-w for lbg, any FCC law other than normal?	
Max op alt	
Max op alt for extension of F10 or F20	
Max op alt for extension/flight with Flaps down	
Max op alt with rudder failure or jam	
Max op alt with a single AC pack op	
Max op alt with interior baggage door open	
Max op alt for extension/flight with LG extended	
VMCA for F10	
VMCA for F20	
VMCL	
VMCG	
VA	
VFE-F10	
VFE-F20	
VFE-F39	
VLE	
VLO	
Max Emer Ldg Gr Ex speed	
MMO	
VMO	

Max Turbulence Penetration speed \geq 10,000'	
Max Turbulence Penetration speed $<$ 10,000'	
Max tire groundspeed	
Max speed with FCC not normal	
Max G F0	
Max G F10 or F20	
Max speed with any primary flight control surface or spoiler panel failed	
Approach speed F39	
Min approach speed	
How long must approach speed be maintained	
Max G F39 below max lbg wt	
Max G F39 above max lbg wt	
Max baggage compartment wt	
Max zero fuel wt	
Max ramp wt	
Max tkof wt	
Max lbg wt	
Min flight wt	
Max fuel imbalance inflight	
Max fuel imbalance for tkof	
Min operational safety factor for lbg distance	
Max cabin differential flight	
Max cabin differential taxi, tkof, lbg	
Max duct pressure, manual zone control	
Min speed for effective RAT	
When are A/T prohibited?	
When is A/P prohibited?	
Min A/P engage height	
Min A/P disengage height from ILS or LPV	
When is speed brake prohibited	
Max demonstrated alt loss during G/A	
Usable fuel, gravity refuel	
Usable fuel, pressure refuel	
Automatic anti-ice inhibited	

Max speed yaw damper failed	
Min allowed fuel tank temp	
Min A/P disengage height from other than ILS or LPV	
Below what ambient temp is engine start prohibited?	
WAI, CAI must be used	
WAI results in automatic higher engine idle speed	
Min speed WAI not op and FO	
Single bleed WAI restrictions	
Prior to flap retract following flight in icing conditions with flaps > 10 minutes	
WAI time limit before tkof with Type II, III, or IV applied	
Min distance from people with weather radar on	
Passenger O2 mask time limit	
When can SFD declutter be used?	
Max APU op alt	
Single bleed source restrictions with WAI	
Normal powerplant start cycle	
Reverse thrust must be cancelled	
Max start TGT	
Max continuous TGT	
Max time tkof thrust OEI	
Powerplant starting c-w / t-w limit	
Powerplant taxi c-w / t-w limit	
Start envelope APU or crossbleed assisted	
Use of both T/R prohibited	

Automatic higher engine idle speed due to WAI	
Temp and conditions for icing	
Above what temp must an ECS pack be op, ground ops, with APU or engines op	
Max Idg field elevation with CPCS semi mode (except emer)	
WAI for tkof restrictions	
Flaps or LG okay in icing conditions	
Min distance of refuel ops with weather radar on	
When is VORAP prohibited	
CAI required for taxi, takof	
When should Terrain Inhibit be selected on	
Max guaranteed APU start alt	
Max op alt for APU	
When are crew and cabin O2 masks not allowed	
APU prohibited for tkof temp	
External DC okay for APU start	
APU starter cycle	
APU start min ambient temp	
Max TGT / time limit for tkof	
Max time tkof thrust AEO	
Time limit engine at OG	
Powerplant high power ground ops c-w / t-w limit	
Powerplant normal tkof c-w / t-w limit	
Start envelope, windmill	
Extended powerplant start cycle	