

## Lear 35A SER# 234 & 590 Limitations with FC-530 Autopilot Numerically Sorted

|   |        |           |
|---|--------|-----------|
| Fuel Temp   | -54    | Deg. C    |
| Fuel Temp for Takeoff other than JP4 or equiv             | -29    | Deg. C    |
| Mmo with Mach Trim and Autopilot Disengaged               | .74    | Mach      |
| Mmo with Stick Puller Inoperative (left S.W. switch off)  | .74    | Mach      |
| Mmo with any BLE missing                                  | .77    | Mach      |
| Mmo   | .81    | Mach      |
| Aux Hydraulic Pump Minutes on (20 Min off)                | 3      | Min       |
| Trim Takeoff Range to 7.6                                 | 5      | degrees   |
| Max Tailwind  | 10     | KTS       |
| Max Diff Press  | 10     | PSI       |
| Max Water/Slush   | 19     | MM        |
| Max Nosewheel Steering Speed                              | 45     | Kts GS    |
| N1 or N2 Overspeed 1 Minute to 103%                       | 100    | %         |
| Vmcg  | 103    | KIAS      |
| N1 or N2 Overspeed 5 Sec to 105                           | 103    | %         |
| Vmca Sea Level -18c (0 f)                                 | 110    | KIAS      |
| Max Oil Temp  | 140    | Deg. C    |
| Vfe 21-40   | 150    | KIAS      |
| Max Tire Limit  | 182    | Kts GS    |
| Vfe 9-20  | 185    | KIAS      |
| A/P Minimum Altitudes Approach                            | 200    | Feet agl  |
| Vlo   | 200    | KIAS      |
| A/P Fuel Imbalance  | 200    | Lbs       |
| Vfe 1-8   | 200    | KIAS      |
| Vle   | 260    | KIAS      |
| Airspeed Red Line /Barber Pole 67-670                     | 300    | KIAS      |
| Vmo: Up to 8000 ft.                                       | 300    | KIAS      |
| Generator Output Ground                                   | 320    | Amps      |
| Airspeed Red Line /Barber Pole 018-063                    | 350    | KIAS      |
| Vmo: 8000 and above                                       | 350    | KIAS      |
| Generator Output Flight                                   | 400    | Amps      |
| When using any AV Fuel in the mix Gal per 100             | 500    | Hrs       |
| Minimum Fuel each wing TO or G/A                          | 600    | Lbs.      |
| ITT Limits Max Cont                                       | 832    | Deg       |
| ITT Limits Start  | 860    | Deg       |
| ITT Limits Takeoff  | 860    | Deg       |
| ITT Limits Max Transient                                  | 870    | Deg       |
| Max Tip Landing WT  | 925    | lbs.      |
| A/P Minimum Altitudes Cruise                              | 1000   | FT AGL    |
| Max GPU Output  | 1100   | Amps      |
| Max Pressure Altitude for TO                              | 10000  | ft. MSL   |
| Max Zero Wing and Tip Fuel Weight                         | 13500  | lbs.      |
| Max Landing Weight  | 15300  | lbs.      |
| Intentional stalls with flaps and gear extended not above | 18000  | ft.       |
| Freon Air Cond (No FCN 89-1) Off Above                    | 18000  | psi       |
| Max Takeoff most aircraft                                 | 18300  | lbs.      |
| Max Ramp most Aircraft                                    | 18500  | lbs       |
| O2 Masks must be quick donning above                      | 25000  | ft        |
| Pax Mask not intended for prolonged use above             | 25000  | ft.Cabin  |
| Freon Air Cond (FCN 89-1) Off Above                       | 35000  | psi       |
| Crew and Pax O2 Not Approved Above                        | 40000  | ft. Cabin |
| Without Emerg Press Valves Wear Masks Abv                 | 41000  | MSL       |
| Max Operating Altitude                                    | 45,000 | ft        |