

**Lear 35A Limitations FC-530 Ascending Numerical Order**

Max Water/Slush	$\frac{3}{4}$	Inch
Fuel Temp	-54	Deg. C
Fuel Temp for Takeoff other than JP4 or equiv	-29	Deg. C
Use GPU	0	Deg. C
Max w/o Mach Trim A/P OFF	.69	Mach
Mmo with Mach Trim and Autopilot Disengaged or left Stall Warning Switch Off	.74	Mach
Mmo with any BLE missing	.78	Mach
Mmo	.81	Mach
Increase Landing Distance S.E	1.2	%
Aux Hydraulic Pump Minutes on (20 Min off)	3	Min
Anti-Ice On Ground	4.4	Deg. C
Trim Takeoff Range to 7.6	5	Degrees
Anti-Ice On Flight	10	Deg. C
Max Diff Press	10	PSI
Max Tailwind	10	KTS
Nosewheel Steering Speed and 2 A/S Lights Inop	10	KTS
Max Water/Slush	19	MM
Max Nosewheel Steering Speed	45	Kts GS
N1 or N2 Overspeed 1 Minute to 103%	100	%
N1 or N2 Overspeed 5 Sec to 105	103	%
Vmcg	103	KIAS
Vmca Sea Level -18c (0 f)	110	KIAS
Max Imbalance During Fueling	125	Gallons
Max Vref	129	KIAS
Max Oil Temp	140	Deg. C
Vfe 21-40	150	KIAS
Un-transferable Fuel with Gravity Flow	162	Lbs.
Max Tire Limit	182	Kts GS
Vfe 9-20	185	KIAS
A/P Fuel Imbalance	200	Lbs.
A/P Minimum Altitudes Approach	200	Feet AGL
Vfe 1-8	200	KIAS
Vlo	200	KIAS
Vle	260	KIAS
Airspeed Red Line /Barber Pole 67-670	300	KIAS
Vmo: Up to 8000 Feet	300	KIAS
Generator Output Ground	320	Amps
Vmo if additional fuselage fuel cannot be transferred (See Max ZWF below)	325	KIAS
Airspeed Red Line /Barber Pole 018-063	350	KIAS
Vmo: 8000 and above	350	KIAS
Generator Output Flight	400	Amps
Low Fuel	450	Lbs.
When using any AV Fuel in the mix Gal per 100	500	Hrs

Max Bags in Rear	500	Lbs.
Minimum Fuel each wing TO or G/A	600	Lbs..
Halon Bottle @ 70 Degrees F	600	psi
Soonest can move fuel to wings (Tip Fuel)	760	Lbs.
Recommended Turbine Temp	795	Dec. C
ITT Limits Max Cont	832	Deg. C
ITT Limits Start	860	Deg. C
ITT Limits Takeoff	860	Deg. C
ITT Limits Max Transient	870	Deg. C
Max Tip Landing WT	925	Lbs.
A/P Minimum Altitudes Cruise	1000	Feet AGL
Max GPU Output @ 28 Volts	1100	Amps
Aux Hydraulic Pressure	1250	Lbs.
Normal Hydraulic Pressure	1550	Lbs.
Approx Useable Fuel	6,238	Lbs.
Pressurization goes to Manual Control	8,700	Cabin
Emerg. Press. Valves Open directing Engine Bleed into Cabin	9,500	Cabin
Max Pressure Altitude for TO	10,000	MSL
Cabin Altitude Warning Horn	10,100	Cabin
BOW SIM	10,500	Lbs.
Cabin Altitude Limiters Actuate	11,500	Cabin
Max Zero Wing and Tip Fuel Weight	13,500	Lbs.
Max Zero Wing and Tip Fuel Weight by adding up to 500 lbs additional fuselage fuel. <b>Must be transferred prior to reaching a total wing fuel quantity of 2250 pounds</b>	14,000	LBS
O2 Masks Deploy, Cabin overhead panel lights on automatically	14,000	Feet
Max Landing Weight	15,300	Lbs..
Intentional stalls with flaps and gear extended not above	18,000	Feet
Freon Air Cond (No FCN 89-1) Off Above	18,000	psi
Max Takeoff	18,300	Lbs.
Max Ramp	18,500	Lbs.
Pax Mask not intended for prolonged use above	25,000	Cabin
O2 Masks must be quick donning above	25,000	Feet
Freon Air Cond (FCN 89-1) Off Above	35,000	psi
Crew and Pax O2 Not Approved Above	40,000	Cabin
Without Emerg Press Valves Wear Masks Abv	41,000	MSL
Max Operating Altitude	45,000	Feet