

Lear 35A SER# 590 Limitations with FC-530 by Value

Increase Landing Distance S.E	1.2	%
N1 or N2 Overspeed 1 Minute to 103%	100	%
N1 or N2 Overspeed 5 Sec to 105	103	%
Generator Output Ground	320	Amps
Generator Output Flight	400	Amps
Max GPU Output @ 28 Volts	1100	Amps
Pressurization goes to Manual Control	8,700	Cabin
Emerg. Press. Valves Open directing Engine Bleed into Cabin	9,500	Cabin
Cabin Altitude Warning Horn	10,100	Cabin
Cabin Altitude Limiters Actuate	11,500	Cabin
Pax Mask not intended for prolonged use above	25,000	Cabin
Crew and Pax O2 Not Approved Above	40,000	Cabin
Fuel Temp	-54	Deg. C
Fuel Temp for Takeoff other than JP4 or equiv	-29	Deg. C
Use GPU	0	Deg. C
Anti-Ice On Ground	4.4	Deg. C
Anti-Ice On Flight	10	Deg. C
Max Oil Temp	140	Deg. C
Recommended Turbine Temp	795	Deg. 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
Trim Takeoff Range to 7.6	5	Degrees
O2 Masks Deploy, Cabin overhead panel lights on automatically	14,000	Feet
Intentional stalls with flaps and gear extended not above	18,000	Feet
O2 Masks must be quick donning above	25,000	Feet
Max Operating Altitude	45,000	Feet
A/P Minimum Altitudes Approach	200	Feet AGL
A/P Minimum Altitudes Cruise	1000	Feet AGL
Max Imbalance During Fueling	125	Gallons
When using any AV Fuel in the mix Gal per 100	500	HRS
Max Water/Slush	$\frac{3}{4}$	Inch
Vmcg	103	KIAS
Vmca Sea Level -18c (0 f)	110	KIAS
Max Vref	129	KIAS

Vfe 21-40	150	KIAS
Vfe 9-20	185	KIAS
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
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
Max Tailwind	10	KTS
Nosewheel Steering Speed and 2 A/S Lights Inop	10	KTS
Max Nosewheel Steering Speed	45	KTS GS
Max Tire Limit	182	KTS GS
Un-transferable Fuel with Gravity Flow	162	LBS
A/P Fuel Imbalance	200	LBS
Low Fuel	450	LBS
Max Bags in Rear	500	LBS
Minimum Fuel each wing TO or G/A	600	LBS
Soonest can move fuel to wings (Tip Fuel)	760	LBS
Max Tip Landing WT	925	LBS
Aux Hydraulic Pressure	1250	LBS
Normal Hydraulic Pressure	1550	LBS
Approx Useable Fuel	6,238	LBS
BOW SIM	10,500	LBS
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. Must be transferred prior to reaching a total wing fuel quantity of 2250 pounds	14,000	LBS
Max Landing Weight	15,300	LBS
Max Takeoff	18,300	LBS
Max Ramp	18,500	LBS
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
Aux Hydraulic Pump Minutes on (20 Min off)	3	Min
Max Water/Slush	19	MM
Max Pressure Altitude for TO	10,000	MSL
Without Emerg Press Valves Wear Masks Abv	41,000	MSL
Max Diff Press	10	PSI
Halon Bottle @ 70 Degrees F	600	PSI
Freon Air Cond (No FCN 89-1) Off Above	18,000	PSI
Freon Air Cond (FCN 89-1) Off Above	35,000	PSI