



C.G. Range (Landing Gear Extended)	(+223.6) to (+236.7) at 6386 lb. (+223.6) to (+236.7) at 9000 lb. (+227.6) to (+236.7) at 12,500 lb. Variation between points is linear Landing gear retracting moment (-911.6 in.-lb.)						
Datum	14 in. aft nose. Wing jack points are at sta. 264.9						
MAC	84.486 in. (L.E. of MAC at sta 210.043)						
Leveling Means	Seat rails						
Maximum Weights	Takeoff	12,500 lb.					
	Landing	11,880 lb.					
	Zero fuel	9,000 lb.					
	See Gates Learjet ECR 1219 for approved configuration for zero fuel increase to 10,000 lbs.						
	Ramp	12,750 lb.					
Minimum Crew	For all flights: 2 persons (pilot and co-pilot)						
No. of Seats	8 (2 at 103, 1 at 132, 2 at 167, 3 at 210) See Gates Learjet ECR 613A for optional approved 9 and 10 place configuration.						
Maximum Baggage	500 lb. at sta. 252						
Fuel Capacity (Gal.)		S/N 003 - 14		S/N 015 - 051		S/N 052 - 099	
		<u>Usable</u>	<u>Arm</u>	<u>Usable</u>	<u>Arm</u>	<u>Usable</u>	<u>Arm</u>
	2 Wing tanks	347	235.3	347	235.3	347	235.3
	2 Tip tanks	356	239.2	356	239.2	368	239.2
	Fuselage tank	112	282.5	125	282.5	125	282.5
	See NOTE 1(a) for data on unusable fuel						
Oil Capacity (lb.)		<u>Total</u>	<u>Usable</u>	<u>Arm</u>			
	2 engine mounted tanks	8 ea.	5.6	308			
Maximum Operating Altitude	41,000 ft.						
Other Operating Limitations	See FAA Approved Airplane Flight Manual						
Control Surface Movements	Horizontal stabilizer					Down 1/2° to 7°	
	Elevator	Up 15°				Down 15°	
	Aileron	Up 18°				Down 18°	
	Aileron trim tab	Up 20°				Down 20°	
	Aileron geared tabs at ± aileron deflection)	Up 15°				Down 15°	
	Rudder	Up 30°				Down 30°	
	Rudder trim tab	Up 11°				Down 11°	
	Wing flap					Down 0° to 40°	
	Speed brake	Up 0° to 40°					
	See Airplane Service Manual or LES FT 1007 for rigging tolerances or instructions.						
Serial Nos. Eligible	003 and up						
Certification Basis	Part 3 of the Civil Air Regulations effective May 15, 1956, as amended by 3-1 through 3-8, plus Special Conditions dated November 12, 1963, and Amendment No. 1 dated July 31, 1964, and No. 2 dated March 14, 1966, and Exception No. 352 from compliance with CAR 3.74(a)(2) and (3) for ground operation at a maximum weight of 12,750 lb. Type Certificate No. A5CE issued July 31, 1964. Application for type certificate dated March 7, 1963.						

Production Basis	Production Certificate No. 317						
Equipment	The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification Basis) must be installed in the aircraft for certification. Learjet Report 23-WB-10, "Master Equipment List," contains a listing of all required equipment as well as optional equipment installations approved by the FAA.						
Service Information	Learjet Model 23 Service Manual includes structural component replacement lives from FAA approved Learjet Report 23-S47.						
NOTE 1:	<p>(a) Current weight and balance report including list of equipment included in the certificated empty weight, and loading instructions when necessary, must be provided for each aircraft at the time of original certification. The empty weight and corresponding center of gravity location must include:</p> <table border="0"> <tr> <td>Unusable fuel</td> <td>27.0 gal. at 221.3</td> </tr> <tr> <td>Unusable oil</td> <td>4.8 lb. at 308.0</td> </tr> <tr> <td>Hydraulic fluid</td> <td>14.0 lb. at 284.0</td> </tr> </table> <p>(b) The airplane must be loaded so that the C.G. is within the specified limits at all times.</p>	Unusable fuel	27.0 gal. at 221.3	Unusable oil	4.8 lb. at 308.0	Hydraulic fluid	14.0 lb. at 284.0
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NOTE 2:	The placards specified in the FAA Approved Airplane Flight Manual must be displayed.						
NOTE 3:	All replacement seats (crew and passenger), although they may comply with TSO C39 must also be demonstrated to comply with CAR 3.390.						
NOTE 4:	The Limitations Section of the Airplane Flight Manual contains indicated airspeed (IAS) operating limitations. Airspeed instruments will be marked with appropriate indicated airspeed.						
NOTE 5:	Model 23 airplanes that have been modified to Model 24 configuration per ECR's 223, 230, or 227 are to be considered transport category airplanes under Part 25 and Type Certificate A10CE. All FAA actions affecting Model 24 airplanes under Type Certificate A10CE are applicable to these modified aircraft.						

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