

True Performance Learjet

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Hello friends, I've spent quite some time perfecting the performance specifications and flight modeling of the learjet for FS 5.1. These files mark the return of the True series aircraft that started with the True DC9. Since Microsoft apparently decided to change the responsiveness of the flight models to the stick in fltsim ver 5.1, I had to redesign my strategy for the true flight modeling of the various fs5 aircraft. These planes are intended for use with fs5.0a or 5.1. For either of these versions, the aircraft will work with no other files needed.

The following are the performance specifications for the learjet. I used The Official Strategy Guide written by Nick Dargahi for the performance specs of the aircraft. I then adjusted the control surface values, and speed and gear values of the Fltsim model to conform to these specs. You should find the plane to be much easier to handle in flight and on landing than the original flight model. Just copy the LEAR .AIR file to your sim subdirectory. I've included two .STN files so that you can compare the performance of the two flight models yourself. Just copy these to your PILOTS subdirectory.

Note: IAS stands for Indicated Air Speed.
TAS is True Air Speed

Standard empty weight: 10,022 lbs
Max takeoff weight: 18,300 lbs
Max landing weight: 15,300 lbs
Useful load: 7,981 lbs

Fuel Capacity: 938 gal
Max useable fuel: 925 gal

Rate of climb: 4,340 ft/min
Single Engine: 1,290 ft/min
Rate of descent: 4,000 ft/min

Max cruise speed:

39,000 ft: 471 kts TAS
41,000 ft 453 kts TAS
43,000 ft. 441 kts TAS

Landing approach speed: 128 kts IAS
Stall speed, full flaps/gear: 97 kts IAS

Range: 2,196 Nautical Miles

Power Plant: 2 turbofan jet engines
Thrust: 3,500 lbs each

These files are intended for free distribution. You may alter and redistribute them. However, if they are altered, they MUST be redistributed under different file names.

Have fun and happy flyn'

Don T.