



Automatic Transmission High Speed Test System Model 2190

The Model 2190 High Speed Motoring machine is designed for both durability and performance testing of complete transmission assemblies. It is designed to accommodate our customer's complete line of transaxles and transmissions. Parasitic losses are evaluated for both Front Wheel Drive and Rear Wheel Drive type transmissions.

The entire transmission is housed in an environmentally controlled chamber that allows the simulation of worldwide operational conditions. For Rear Wheel Drive transmissions an axial load may be applied to demonstrate the transmission thrust capabilities. Transmission pump efficiency and durability are also measured.



Typical Specifications	
Operating Speed	10,000 rpm continuous (both inputs and outputs)
Converter Thrust Load	2,000 lbs @ 8,000 rpm 3,000 lbs @ 3,000 rpm
Input Torque	2,000 in-lbs
Output Torque	5,000 in-lbs
Converter Temperature	-40° F to 300° F
Grade Tilt	0% to 60%: 0° to +38° uphill / -31° downhill
Transmission Roll	0° to 7°
System Pressure	0 to 300 psi
Oil Flow	0.1 to 25 gpm

The machine operator at the control console manages input speeds, output speeds, oil temperature and input torque.

For more information about the Model 2190 High Speed Test System, please contact LINK at 734-453-0800 or sales@linkeng.com

Disclaimer:

Information presented in this brochure is for informational purposes only. Link Engineering Company reserves the right to make changes, alterations and substitutions to the machines, components or other information presented in this brochure without prior notice. For the latest information contact Link Engineering Company.

Equipment pictured in this brochure may be shown with safety equipment removed or disabled for purposes of illustration. Equipment must never be operated with safety equipment removed or disabled.

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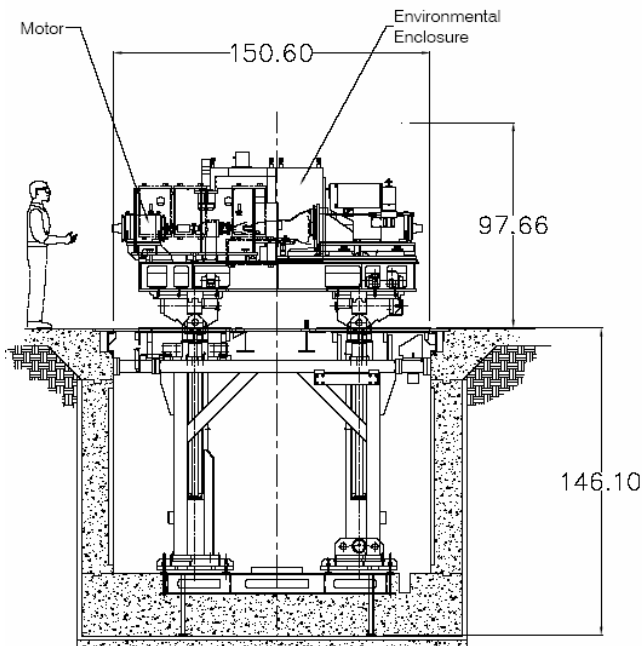
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To evaluate effectiveness of the lubrication system the transmission under test is mounted on a multi-axis stanchion and rolled to simulate actual road environments. This unit permits pitching the transmission from -31° to $+38^{\circ}$ and a roll capability of $\pm 7^{\circ}$.

The control system is housed in a free-standing console. Both manual and fully automatic testing may be performed. Our ProLink Windows[®] operating software allows an easy operator interface and , flexibility in display and routines. Test data may be imported into Microsoft[®] Excel. You can have one or several strip charts, signal lights or readouts as required.



Test reports can be generated with automated distribution across your computer network

LINK designed the high-speed stand to not only meet but also exceed our customer's needs. The 10,000 rpm capability supports the next generation transmissions being designed today.

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