RSL-15K / Towing Dynamometer

RSL-15K Towing Dynamometer

Taylor Dynamometer's RSL-15K Towing Dynamometer is designed for testing today's full-sized cars, to mid and full-sized SUVs. The unique design of the RSL-15K allows it to be used for a wide range of vehicle weights. Built with an all-aluminum frame, sheet metal body and rides on an independent, coil spring suspension. The RSL-15K uses two eddy current absorbers for power absorption. The power is provided by batteries and an alternator.

DynPro$_2$

Taylor Dynamometer's DynPro$_2$ state-of-the-art data acquisition and control system makes testing simple, but also fully controls the dyno wirelessly. The DynPro$_2$ system offers hill simulation that goes far beyond typical load testing by allowing the engineer to create and store automated hill simulations.

Includes a wireless, touchscreen tablet

Additional Features of DynPro$_2$:

- Graphical representation of an automated test cycle with driver identification (Driver's Trace)
- Real-time measurements including speed, acceleration, distance and direction
- Simulate real-life driving conditions from mapped or official data specifications using reference tables
- Calculate acceleration, accumulated count, towing load equation and track road load in real time using statistic channels
- Automatically run a program, open a document, set channel values or even start a test all upon startup

Hill Simulation Features

- Simulate slope
- Compensate for actual slope
- Simulate trailer weight and aero
- Compensate for vehicle weight
- Reference slope input
- Import/export Excel® file
- Save, name and file hill profile
- Auto record data
- Integrated heads up/drivers trace display

Everything you need to succeed

RSL-15K Specifications

- Two eddy current power absorbtion units
- Automotive batteries and an alternator for power
- Ruggedized, Wi-Fi, touchscreen tablet PC controller
- DynPro$_2$ software
- Wireless or CAT5 communication
- Independent coil spring suspension
- Solar panels for long-term battery maintenance
- Surge brake with large disc brakes
- All aluminum powder coated frame
- Parking brake and jockey wheel (easy to move dyno by hand)
- Euro or U.S.A. approved lighting
- LED amber warning beacon
- Sheet metal body
- Global standard tire size
- Maximum drawbar: 15,000 N (3,372 lb)
- Weight: 1,542 kg (3,400 lb)
- Fully Ballasted: 2,313 kg (5,100 lb)
- Length: 390 cm (154 in.)
- Width: 210 cm (83 in.)
- Height: 125 cm (49 in.)

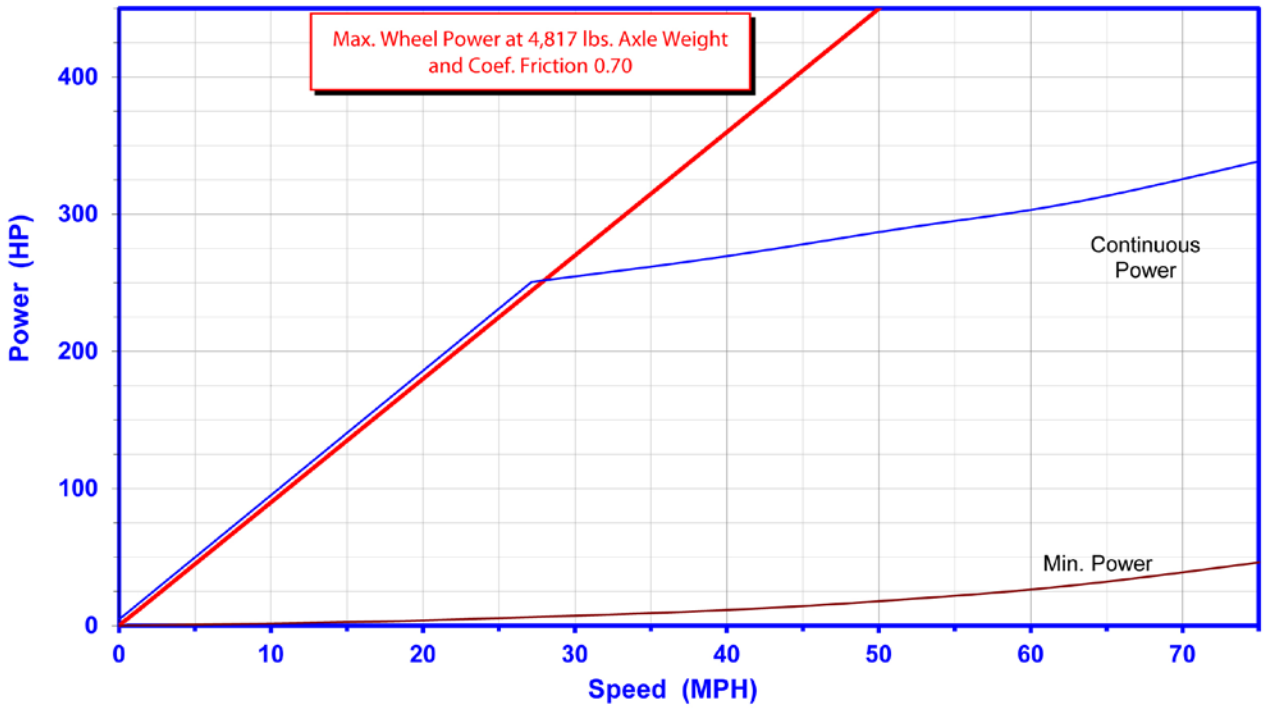
Notes:

Specifications are subject to change without notice to improve the product without sacrificing quality or performance.

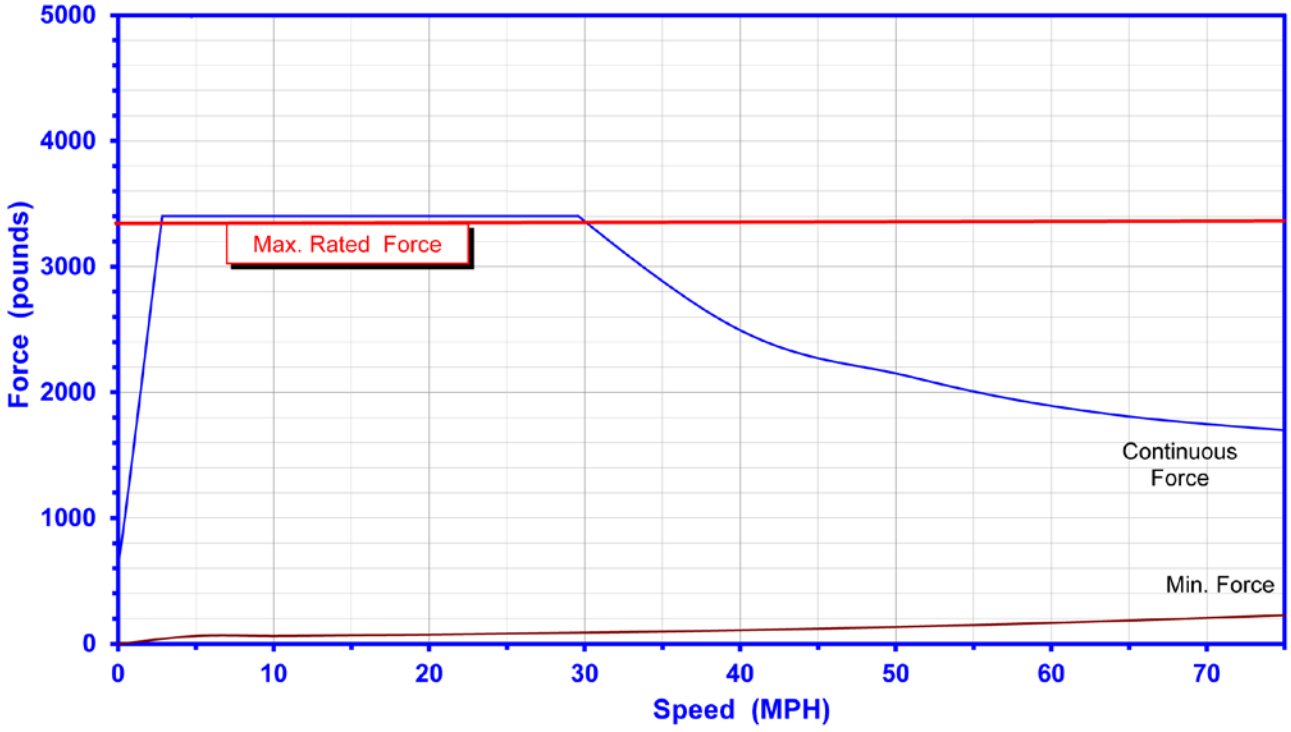
Taylor's RS and RSL series towing dynamometers are intended to be used on a test track. While Taylor stands behind the road worthiness of the trailers, the specialized control features and handling interactions between the towing dynamometer and test vehicle result in our recommendation to use them within controlled test facilities. Obtaining regulatory approvals for road licensing is the responsibility of the end user.

The data acquisition and control system offered here includes a software license that allows the system to operate and collect data. Please be aware that the license initially installed is a temporary license that is only active for 120 days from the date of shipment from Taylor Dynamometer. You must contact the Taylor Dynamometer Customer Support Team before the 120-day license expires to obtain the license key to update to your permanent (regular) license. The system will shut down and become non-operational should the system registration key (license) expire. The purchased equipment must be paid for in full prior to obtaining the valid and permanent license key.

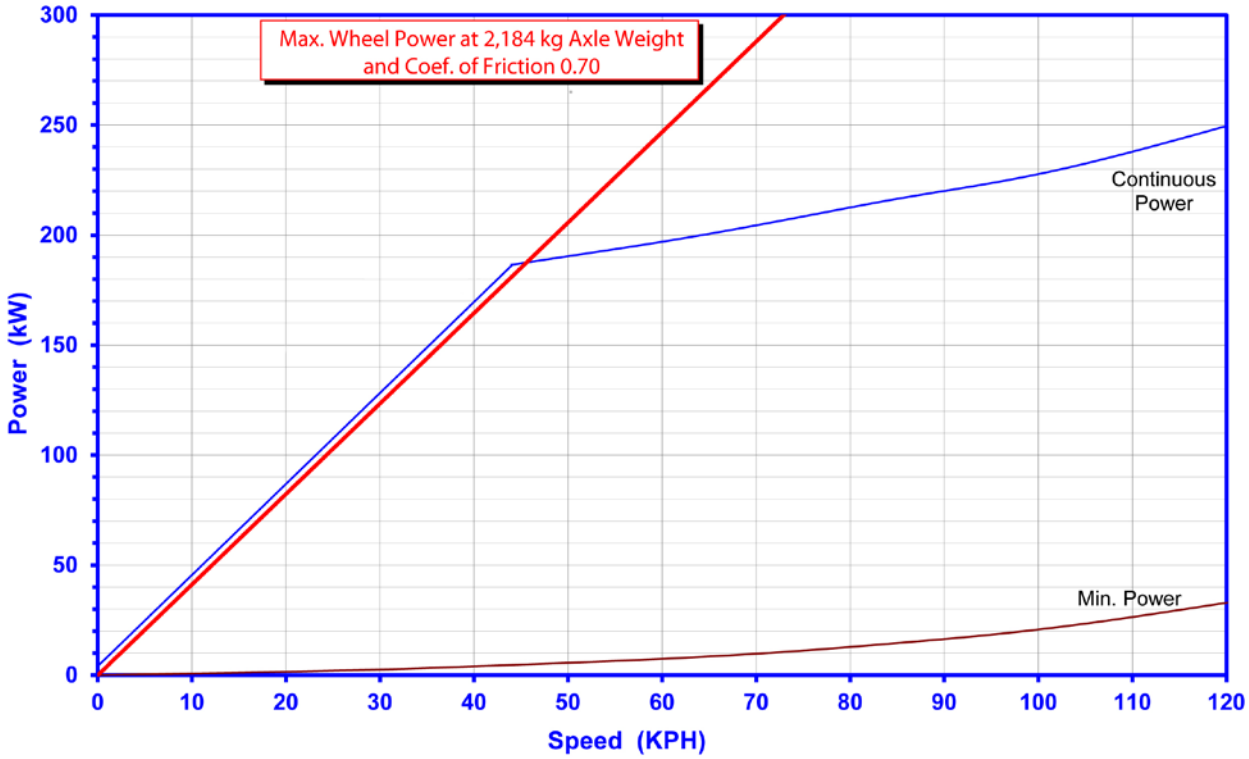
RSL-15K Power Absorption
305/50 R20 Tires and 3.73:1 Drive Ratio



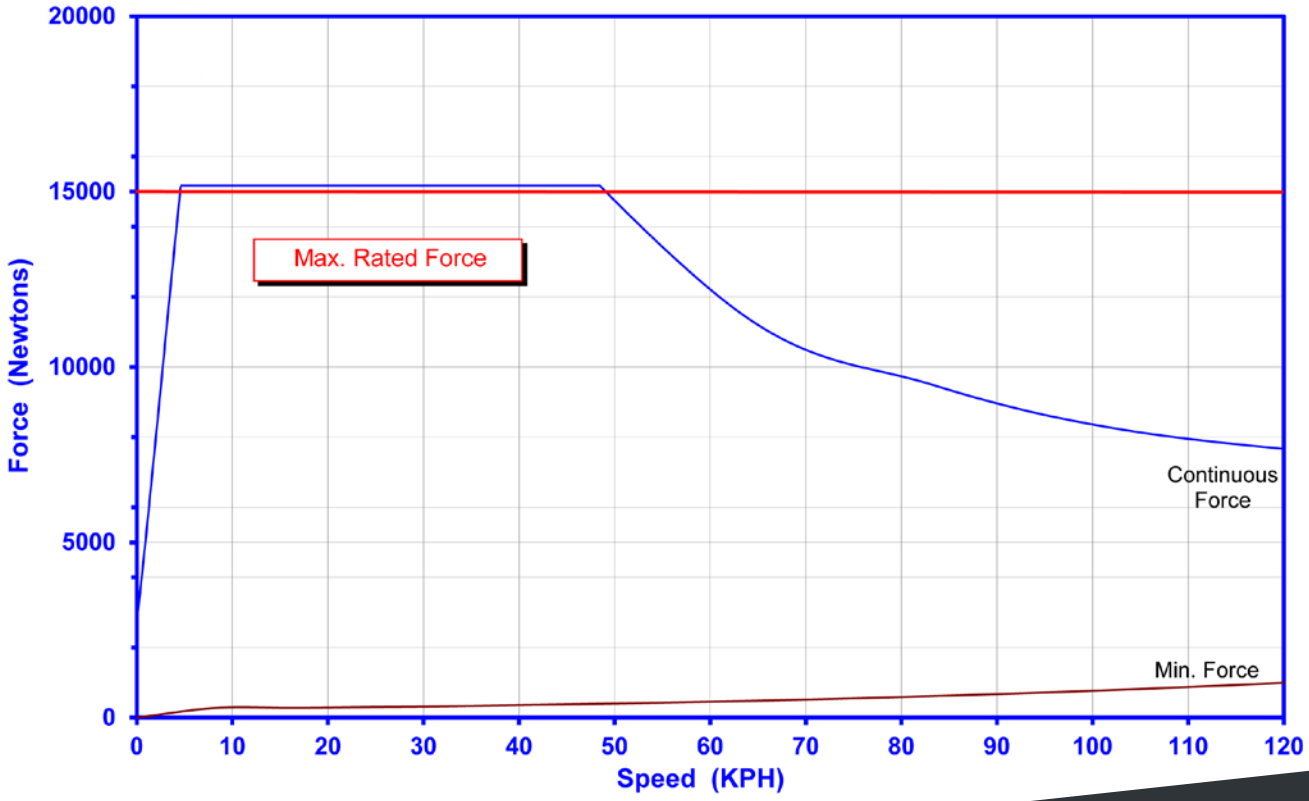
RSL-15K Drawbar Pull
305/50 R20 Tires and 3.73:1 Drive Ratio



RSL-15K Power Absorption
305/50 R20 Tires and 3.73:1 Drive Ratio



RSL-15K Drawbar Force
305/50 R20 Tires and 3.73:1 Drive Ratio



Everything you need to succeed

Taylor Dynamometer
3602 West Wheelhouse Road, Milwaukee, Wisconsin 53208 U.S.A.
(414) 755-0040 **www.taylordyno.com**