



RSL-10K / Towing Dynamometer



RSL-10K Towing Dynamometer

Taylor Dynamometer's RSL-10K Towing Dynamometer is designed for testing today's full-sized cars, SUVs and light trucks. The RSL-10K is built with an all-aluminum frame, sheet metal body and rides on an independent, coil spring suspension. The RSL-10K uses an eddy current absorber for power absorption. The power is provided by batteries and an alternator.

DynPro₂

Taylor Dynamometer's DynPro₂ state-of-the-art data acquisition and control system makes testing simple, but also fully controls the dyno wirelessly. The DynPro₂ 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 DynPro₂:

- 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

Everything you need to succeed



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

RSL-10K Specifications

- Eddy current absorber absorption unit
- Automotive batteries and an alternator for power
- Ruggedized, Wi-Fi, touchscreen tablet PC controller
- DynPro₂ 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: 10,000 N (2,248 lb)
- Weight: 1,184 kg (2,610 lb)
- Length: 386 cm (152 in.)
- Width: 201 cm (79 in.)
- Height: 100 cm (40 in.)

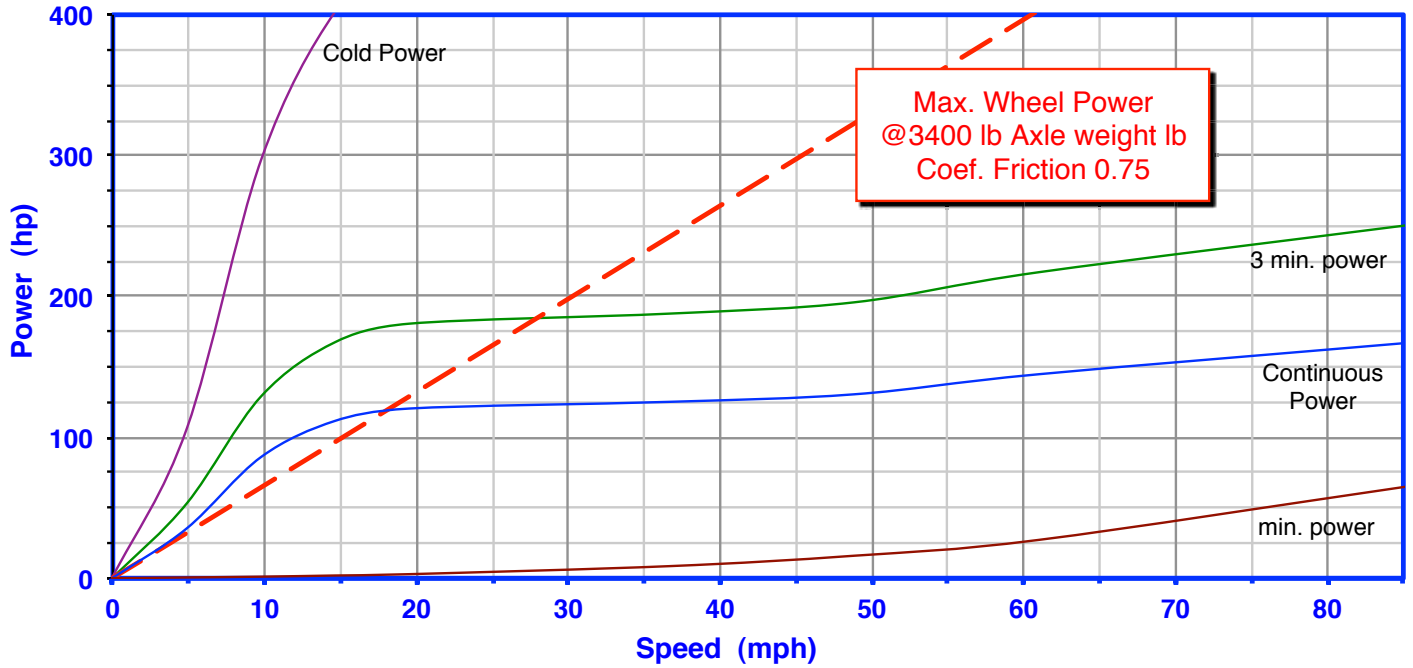
Notes:

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

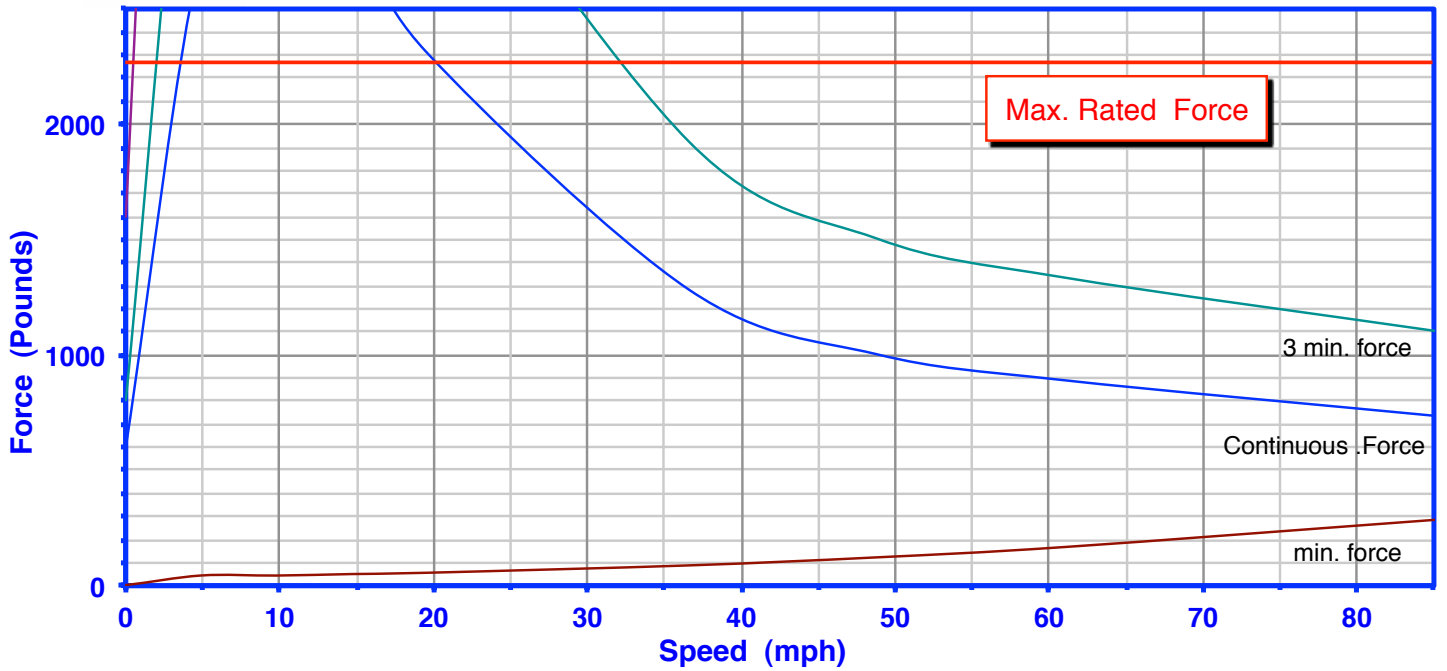
Taylor's RS and RSL series towing dynamometers are intended to be used on a test track. While Taylor stands behind the road worthiness of the trailers, the specialized control features and handling interactions between the towing dynamometer and test vehicle result in our recommendation to use them within 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.

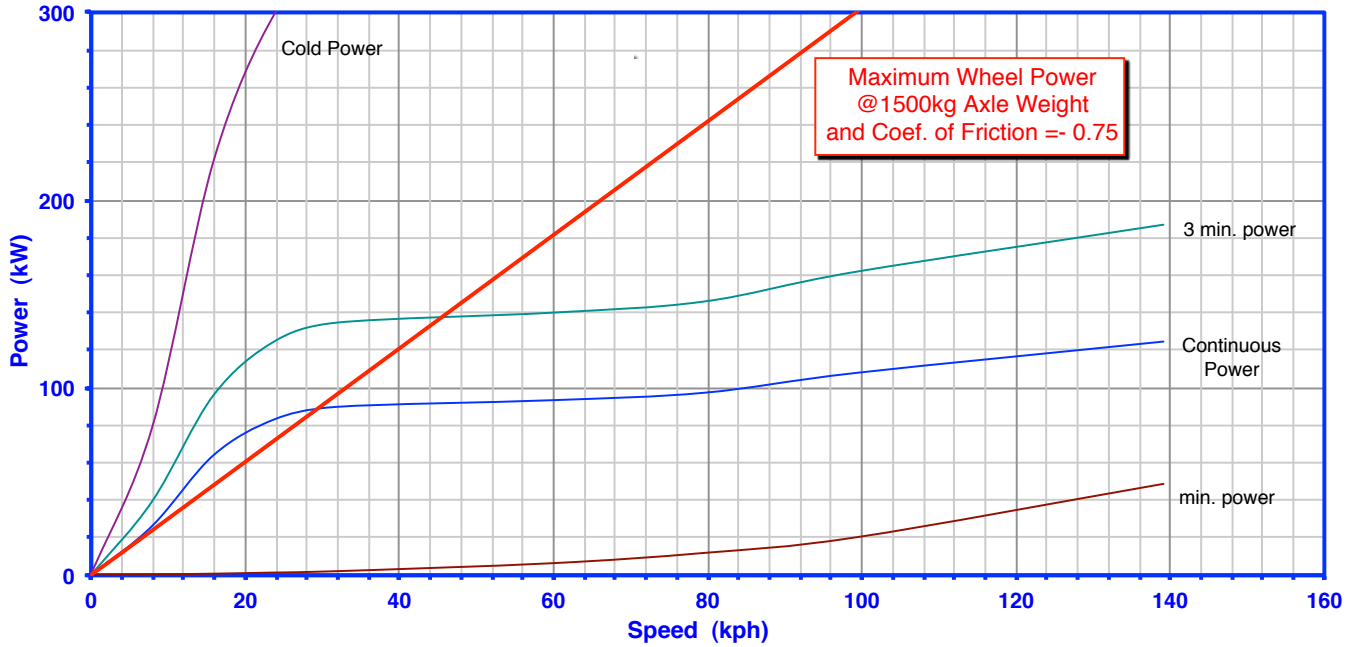
RSL-10K Power Absorption
285/60/R18 Tires, and 3.73 :1 Drive Ratio



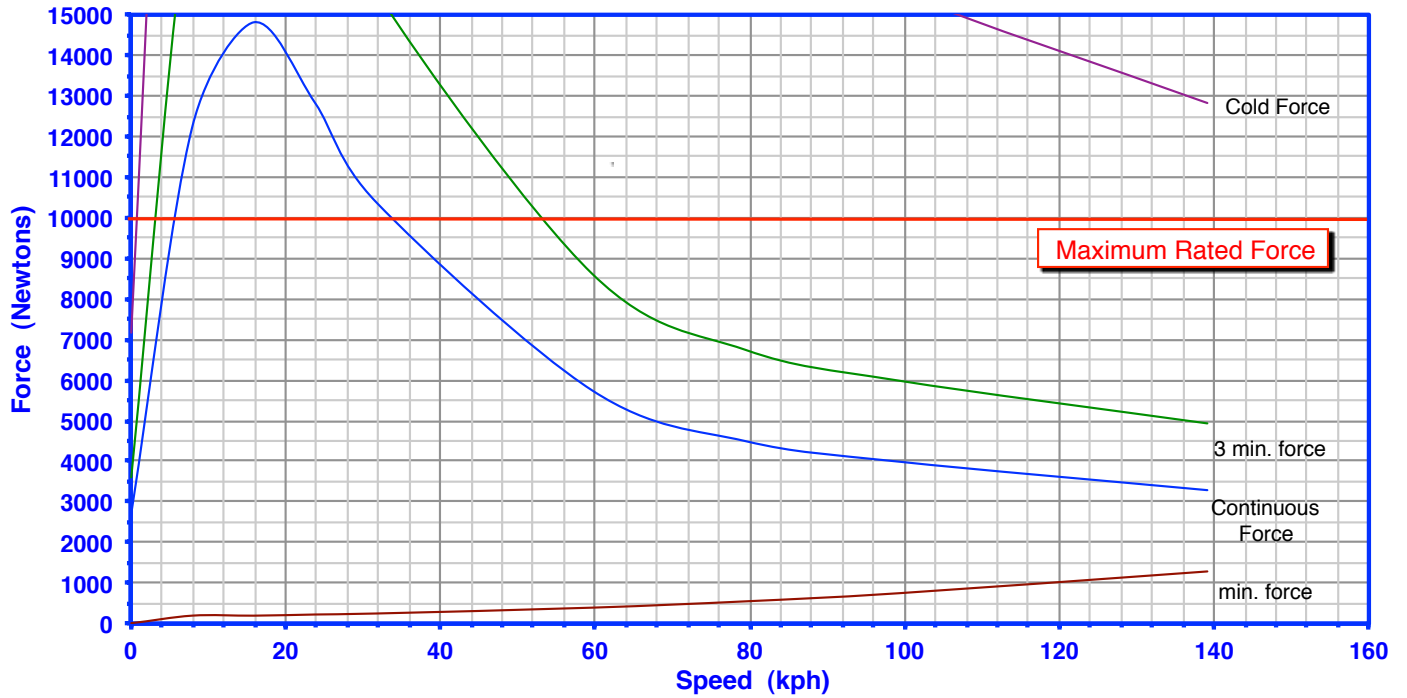
RSL-10K Drawbar Pull
285/60/R18 Tires, and 3.73:1 Drive Ratio



RSL-10K Power Absorption
285/60/R18 Tires and 3.73:1 Drive Ratio



RSL-10K Drawbar Force
285/60/R18 Tires and 3.73:1 Drive Ratio



Everything you need to succeed

