RS-5.4Kh / Towing Dynamometer

RS-5.4Kh Towing Dynamometer

Taylor Dynamometer's RS-5.4Kh towing dynamometer is designed for testing today's compact cars. The RS-5.4Kh is built with an all-aluminum frame, aerodynamic body and rides on a coil over suspension. The RS-5.4Kh uses hydraulics for power absorption instead of an eddy current absorber. This technology allows the RS-5.4Kh to continuously absorb power without fade and eliminates the need for batteries to power the system.

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

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

RS-5.4Kh Specifications

- Hydraulic absorbtion unit
- No batteries or generator needed for absorption
- Ruggedized, WiFi, touch screen tablet PC controller with integrated heads-up display
- Available with 50 mm or 2 in. ball hitch
- DynPro$_2$ software
- Wireless or CAT5 communication
- Coil over suspension with onboard air compressor and automatic leveling
- Largest drawbar shaft in its class
- Surge brake with large disc brakes
- All aluminum powder coated frame
- Parking brake and easy use jockey wheel (easy to move dyno by hand)
- Euro and U.S.A. approved lighting
- LED amber warning beacon
- Aerodynamic, fiberglass body
- Global standard tire size
- Max drawbar: 5,400 Newtons (1,214 lb)
- Weight: 771 kg (1,700 lb)
- Length: 337.8 cm (133 in.)
- Width: 170.1 cm (67 in.)
- Height: 93.9 cm (37 in.)

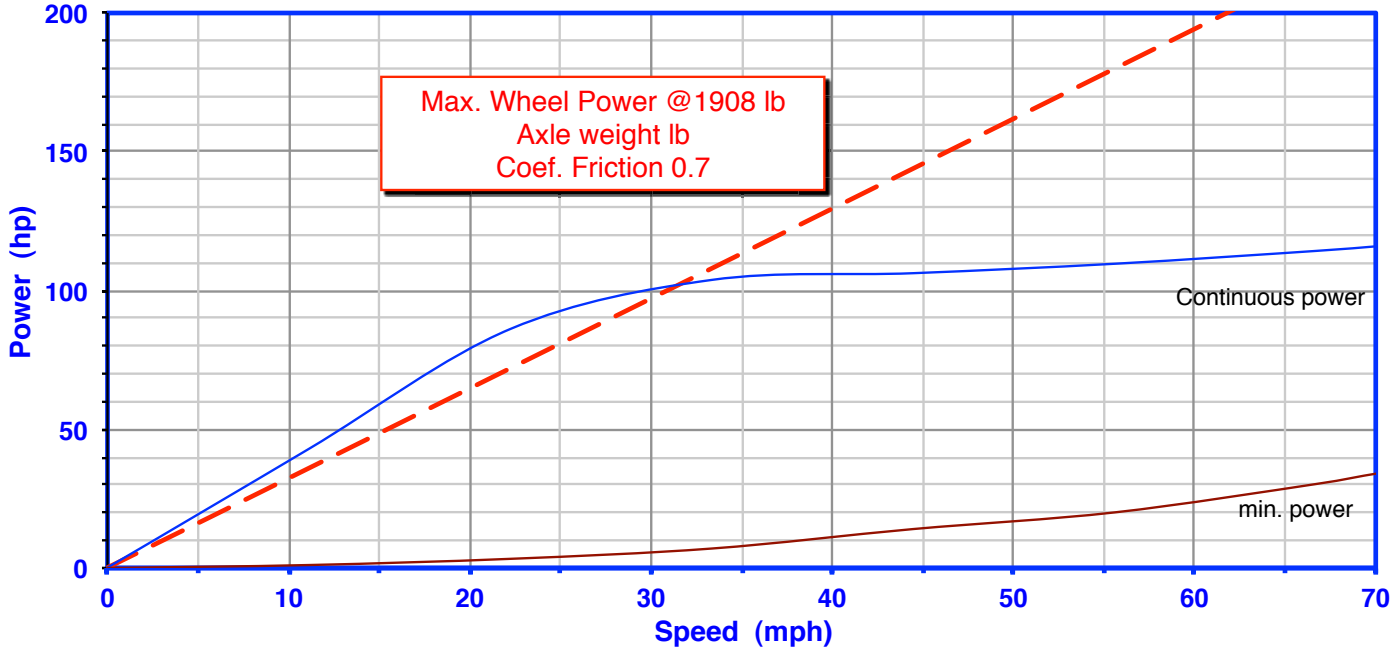
Notes:

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

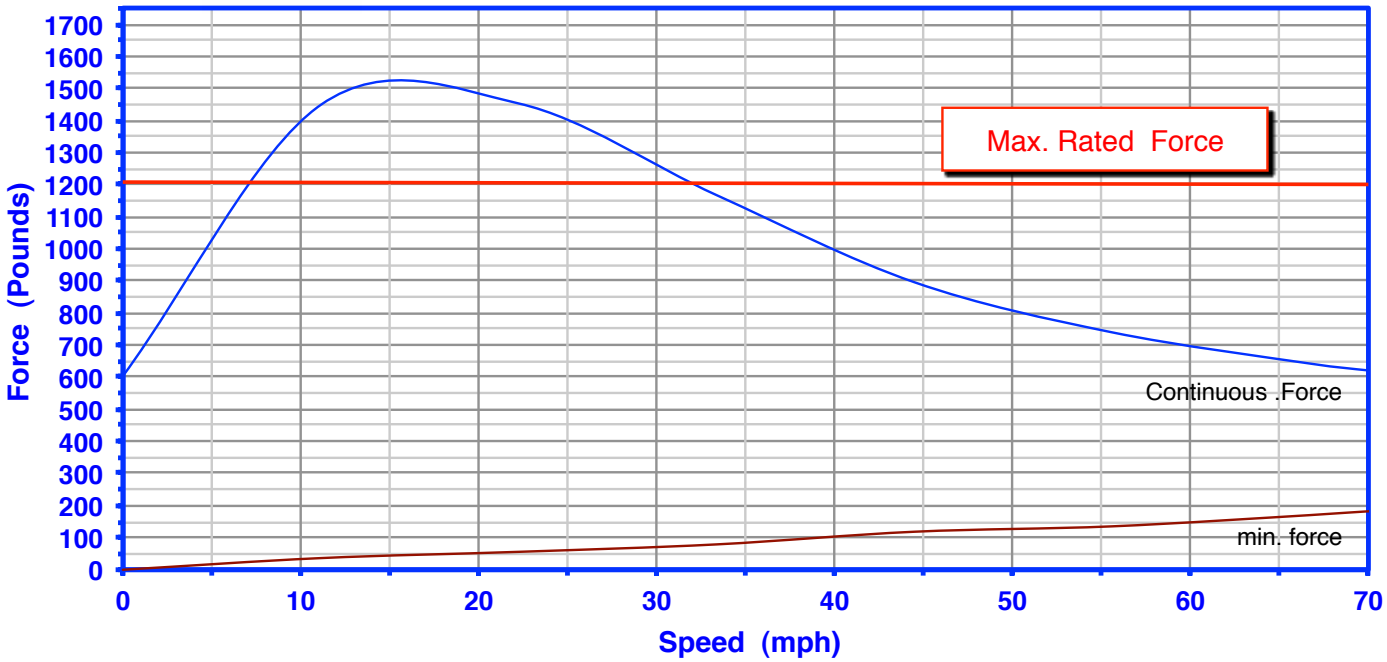
Taylor's RS and RSL series towing dynamometers are intended to be used on a test track. While Taylor stands behind the road worthiness of the trailers, the specialized control features and handling interactions between the towing dynamometer and test vehicle result in our recommendation to use them within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

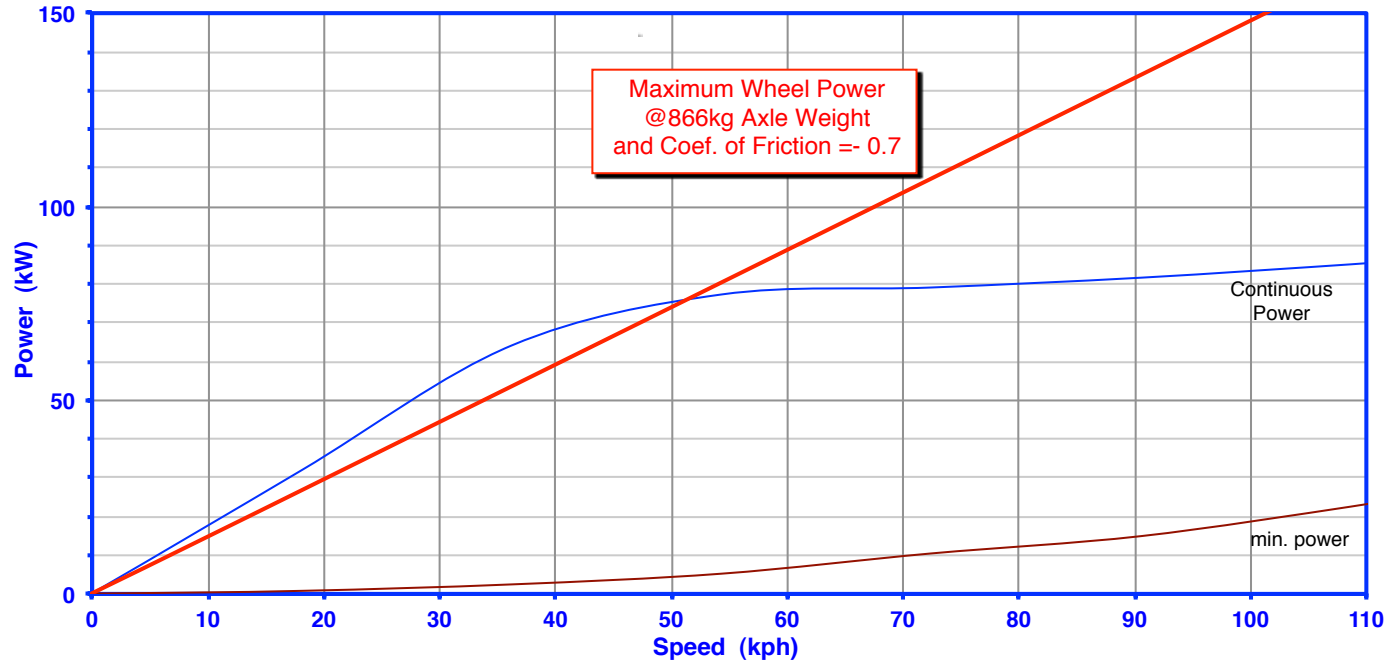
RS-5.4Kh Power Absorption
3.90:1 Drive Ratio



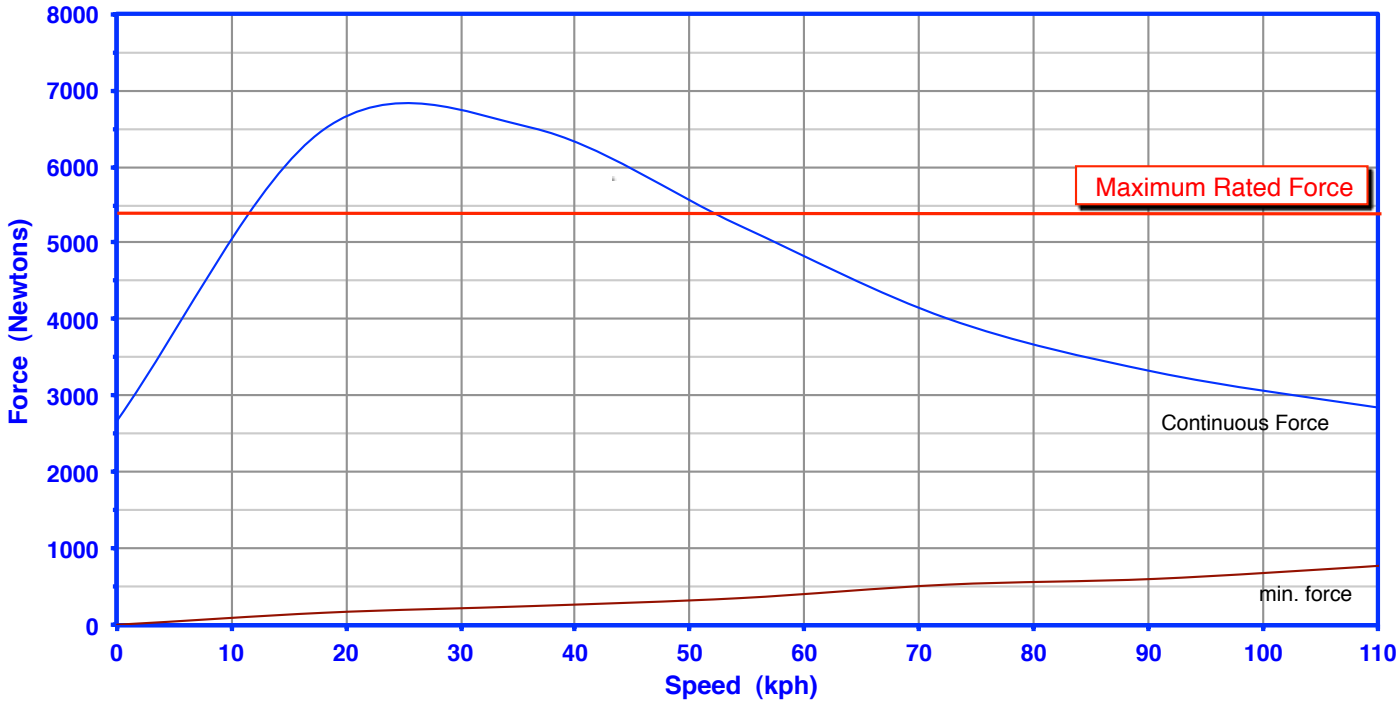
RS-5.4Kh Drawbar Pull
3.90:1 Drive Ratio



RS-5.4Kh Power Absorption
3.90:1 Drive Ratio



RS-5.4Kh Drawbar Force
3.90:1 Drive Ratio



Everything you need to succeed

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