



## RS-25K / Towing Dynamometer



### RS-25K Towing Dynamometer

Taylor Dynamometer's RS-25K Towing Dynamometer is designed for testing today's full-sized SUVs and light trucks. The RS-25K is built with a heavy-duty steel frame, an aerodynamic body and rides on an independent, air ride suspension using two eddy current absorbers with special high temperature coils to absorb energy. The RS-25K is powered by an industrial generator so there are no lead-acid batteries to charge and testing time is unlimited at low speeds.

### DynCntrl-II Software

Taylor Dynamometer's DynCntrl-II Instrumentation system includes a ruggedized, Wi-Fi, touchscreen tablet PC. The easy to use, intuitive DynCntrl-II software not only makes testing simple, but also fully controls the dyno wirelessly and displays multiple channels of real time data. Our Hill Simulation capability goes far beyond typical load testing by allowing the engineer to create and store automated hill simulations.



Wireless, touchscreen controller

### 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

**Total Test Success**

## RS-25K Specifications

- Heavy-duty, eddy current absorbers for maximum drawbar pulls (disengageable for transport)
- Industrial generator for power (no batteries to charge)
- Secure ballast tray
- Adjustable ball 2-5/16 in. and 2-1/2 in. Pintle Ring included
- 3.73:1 or 4.10:1 gear options available
- Hitch height adjustable from 17 cm to 49.5 cm
- Touch screen wireless controller with an integrated graphic heads up display
- DynCntrl-II Software with Advanced Hill Simulation
- Wireless or CAT5 communication
- Independent air ride suspension with onboard air compressor and automatic ride height adjustment
- Largest drawbar shaft in its class
- Hydraulic actuated surge disc brakes
- Parking brake and break-away brake system
- Heavy-duty nose wheel
- Euro or U.S.A. approved lighting and LED beacon
- Steel body and fenders with internal spare tire storage
- For DOT Vehicle Class 3 and 4 vehicles (Heavy-Duty Pick Up / Box and Straight Frame Trucks, 10,001 lbs to 16,000 lbs GVWR)
- Maximum drawbar: 25,000 Newtons (5,620 lb)
- Weight: 3,250 kg (7,165 lb) empty
- Fully Ballasted: 3,645 kg (8,036 lb)
- Length: 510 cm (201 in.)
- Width: 200 cm (78.75 in.)
- Height: 128 cm (50.3 in.)
- EU (CE certified) or US models available

### 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 regulator approvals for road licensing is the responsibility of the end user.



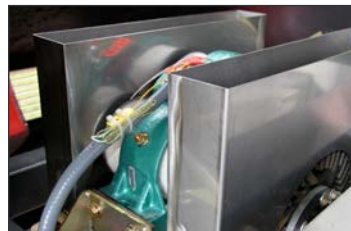
- Independent air ride suspension with onboard air compressor and air reservoirs

- Heavy-duty anti-sway bar



- Height adjustable hitch for maximum control

- Largest drawbar shaft in the industry



- Absorbers have high temperature coils

- Each absorber temperature is monitored



- Parking brake with break-away brake system

- Wheel brakes on all dyno models

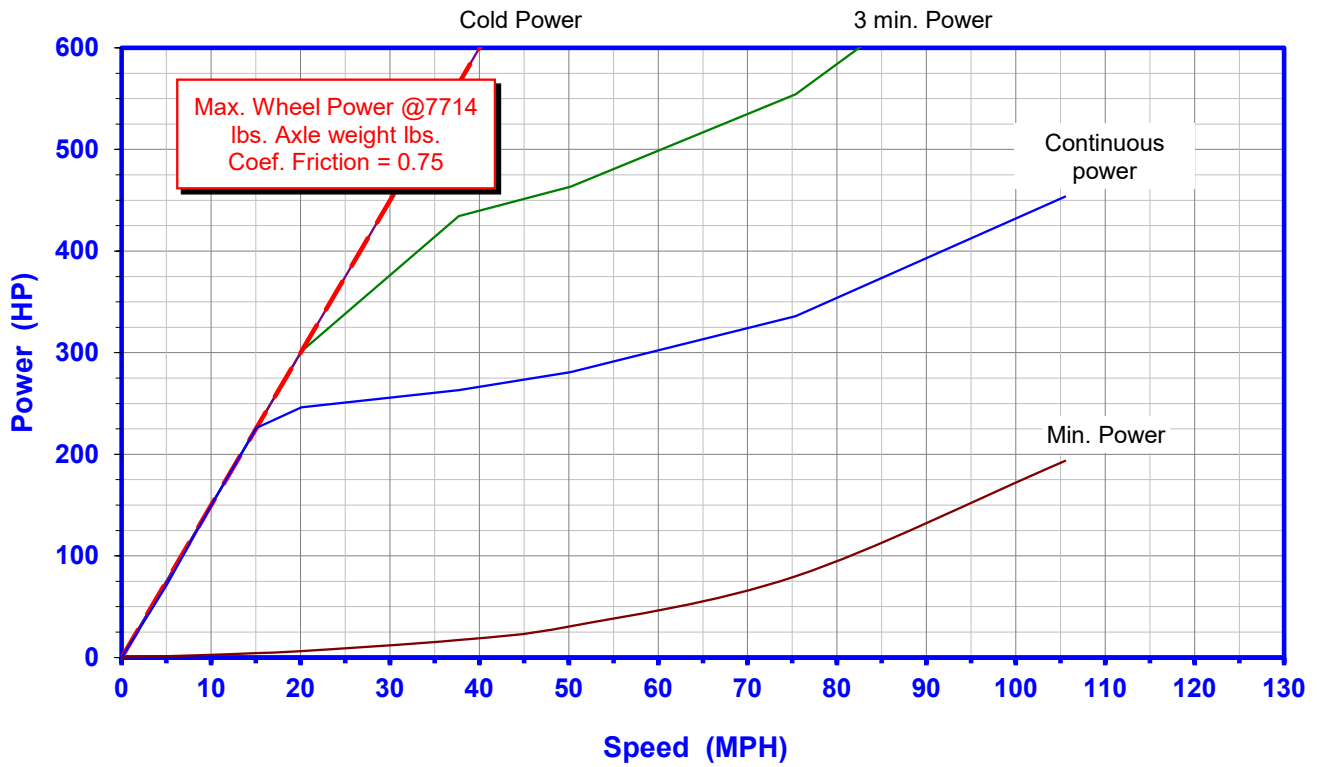


- Powered by a generator instead of batteries

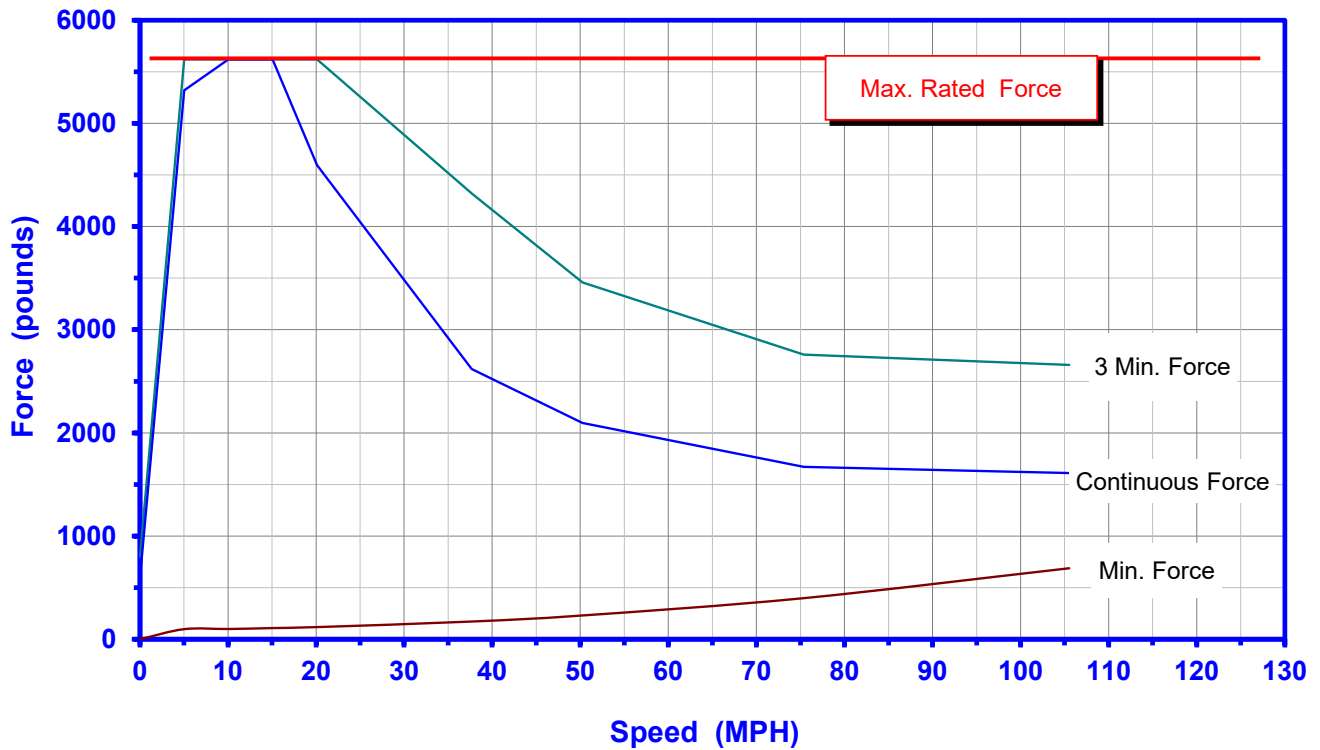


- Easy access maintenance and spare tire

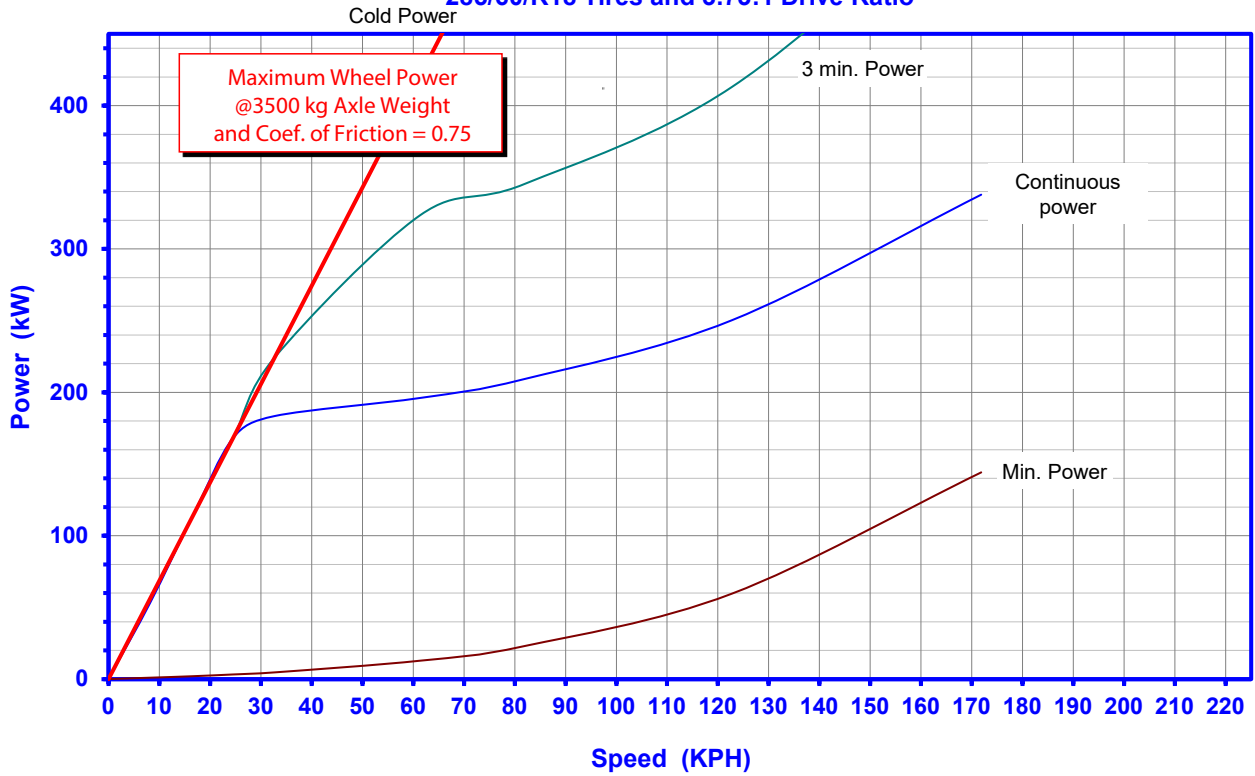
**RS-25K Power Absorption**  
**285/60/R18 Tires and 3.73 :1 Drive Ratio**



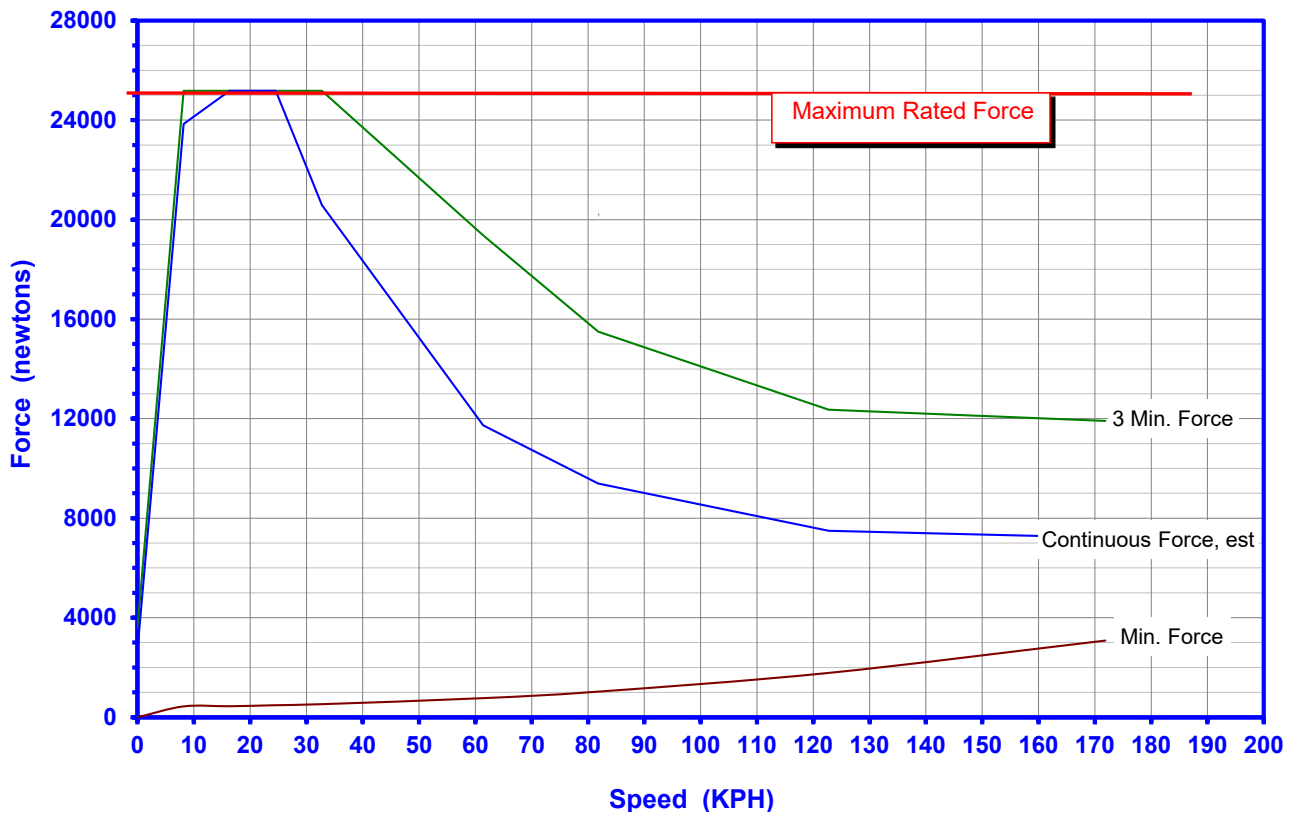
**RS-25K Drawbar Pull**  
**285/60/R18 Tires and 3.73:1 Drive Ratio**



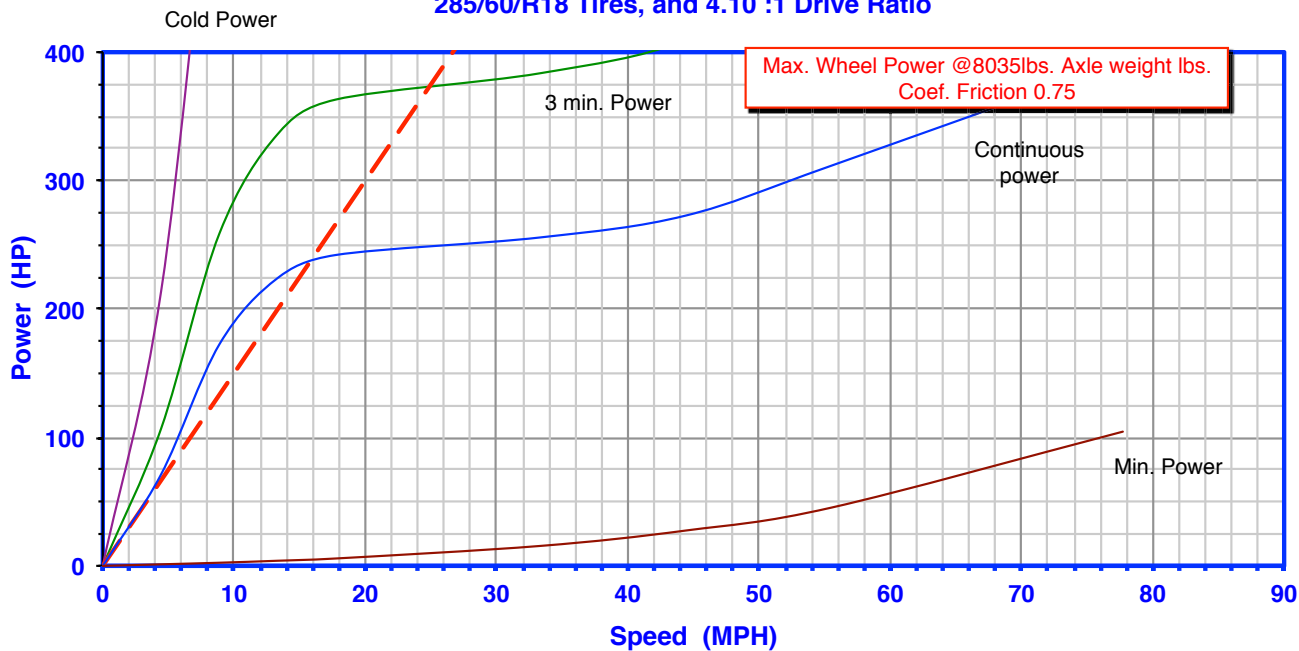
**RS-25K Power Absorption**  
**285/60/R18 Tires and 3.73:1 Drive Ratio**



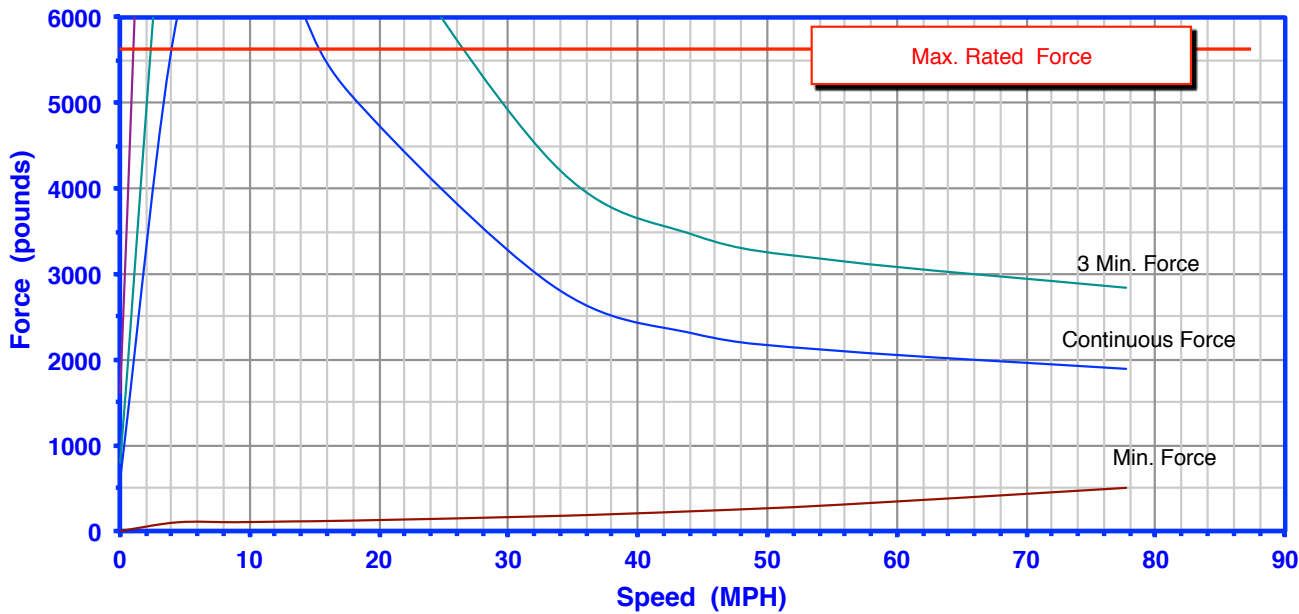
**RS-25K Drawbar Force**  
**285/60/R18 Tires and 3.73:1 Drive Ratio**



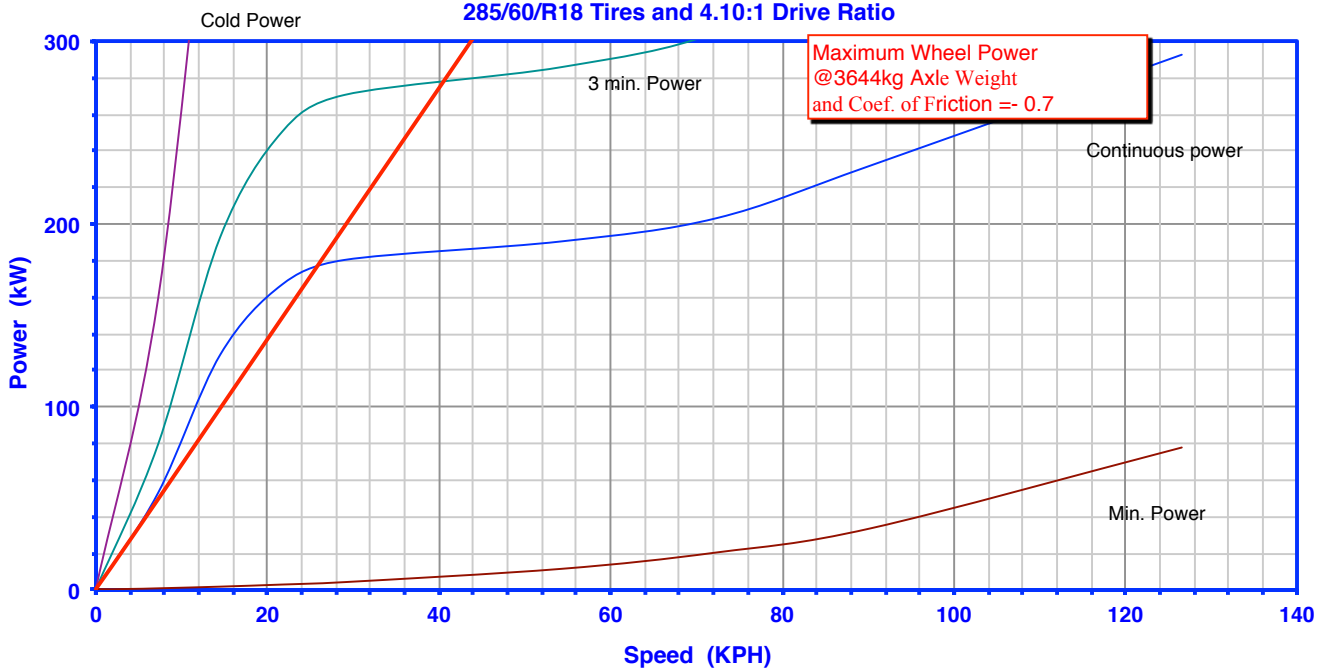
**RS-25K Power Absorption**  
**285/60/R18 Tires, and 4.10 :1 Drive Ratio**



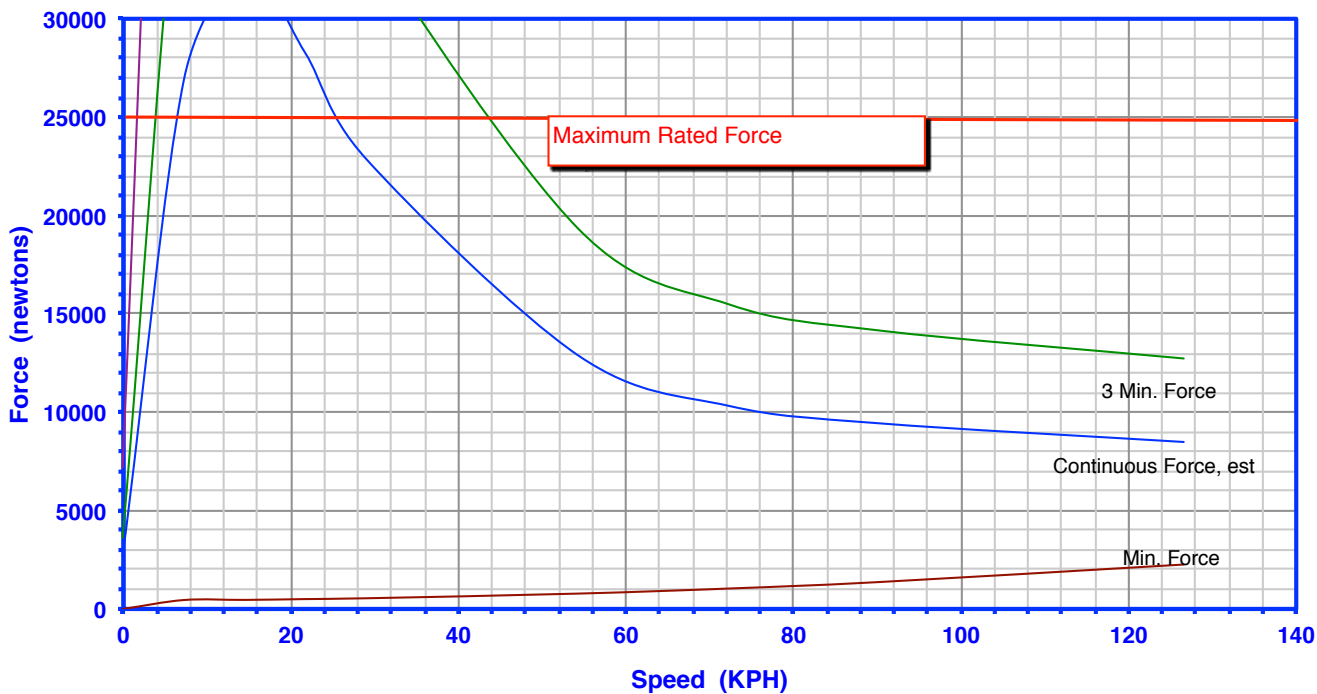
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**RS-25K Power Absorption**  
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**RS-25K Drawbar Force**  
**285/60/R18Tires and 4.10:1 Drive Ratio**



*Everything you need to succeed*

