



## RSL-25K / Towing Dynamometer



### RSL-25K Towing Dynamometer

Taylor Dynamometer's RSL-25K Towing Dynamometer is designed for testing today's full-sized cars, SUVs and light trucks. The RSL-25K is built with a steel frame, sheet metal body and rides on an independent, coil spring suspension. The RSL-25K uses eddy current absorbers for power absorption. The power is provided by batteries and an alternator.

### DynPro<sub>2</sub>

Taylor Dynamometer's DynPro<sub>2</sub> state-of-the-art data acquisition and control system makes testing simple, but also fully controls the dyno wirelessly. The DynPro<sub>2</sub> 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<sub>2</sub>:

- 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

**Total Test Success**

## RSL-25K Specifications

- Eddy current power absorption units
- Automotive batteries and an alternator for power
- Ruggedized, Wi-Fi, touchscreen tablet PC controller
- DynPro<sub>2</sub> software
- Wireless or CAT5 communication
- Independent coil spring suspension
- Solar panels for long-term battery maintenance
- Surge brake with large disc brakes
- Steel powder coated frame
- Parking brake and jockey wheel (easy to move dyno by hand)
- Includes 2-5/16 in. ball or 3 in. pintle hitch
- Hitch height range: 46.4 - 56.5 cm (18.25 - 22.25 in.)
- Euro or U.S.A. approved lighting
- LED amber warning beacon
- Sheet metal body
- Global standard tire size
- Maximum drawbar: 25,000 Newtons (5,620 lb)
- Dry Weight: 2,926 kg (6,450 lb)
- Fully Ballasted: 3,641 kg (8,058 lb)
- Length: 484 cm (190.6 in.)
- Width: 210 cm (82.5 in.)
- Height: 104 cm (41 in.)
- EU (CE certified) or US models available



### Notes:

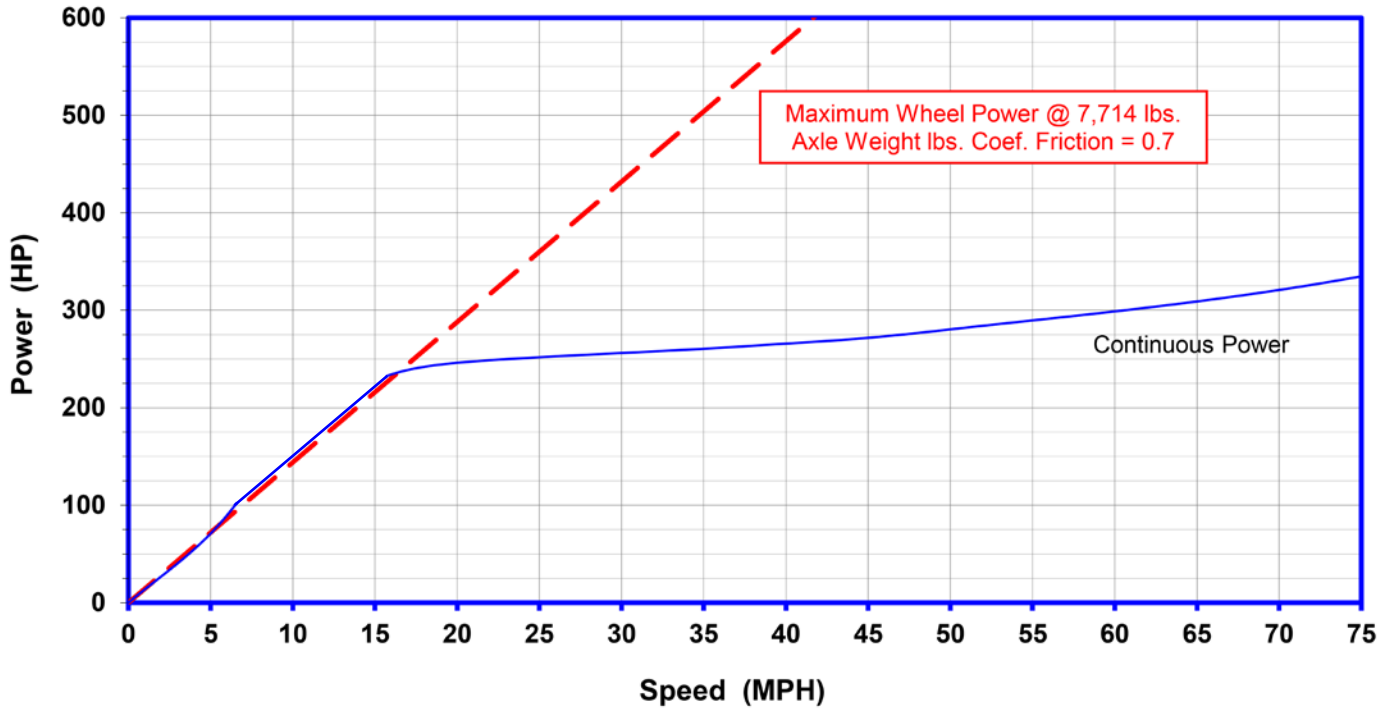
Specifications are subject to change without notice to improve the product without sacrificing quality or performance.

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 regulatory approvals for road licensing is the responsibility of the end user.

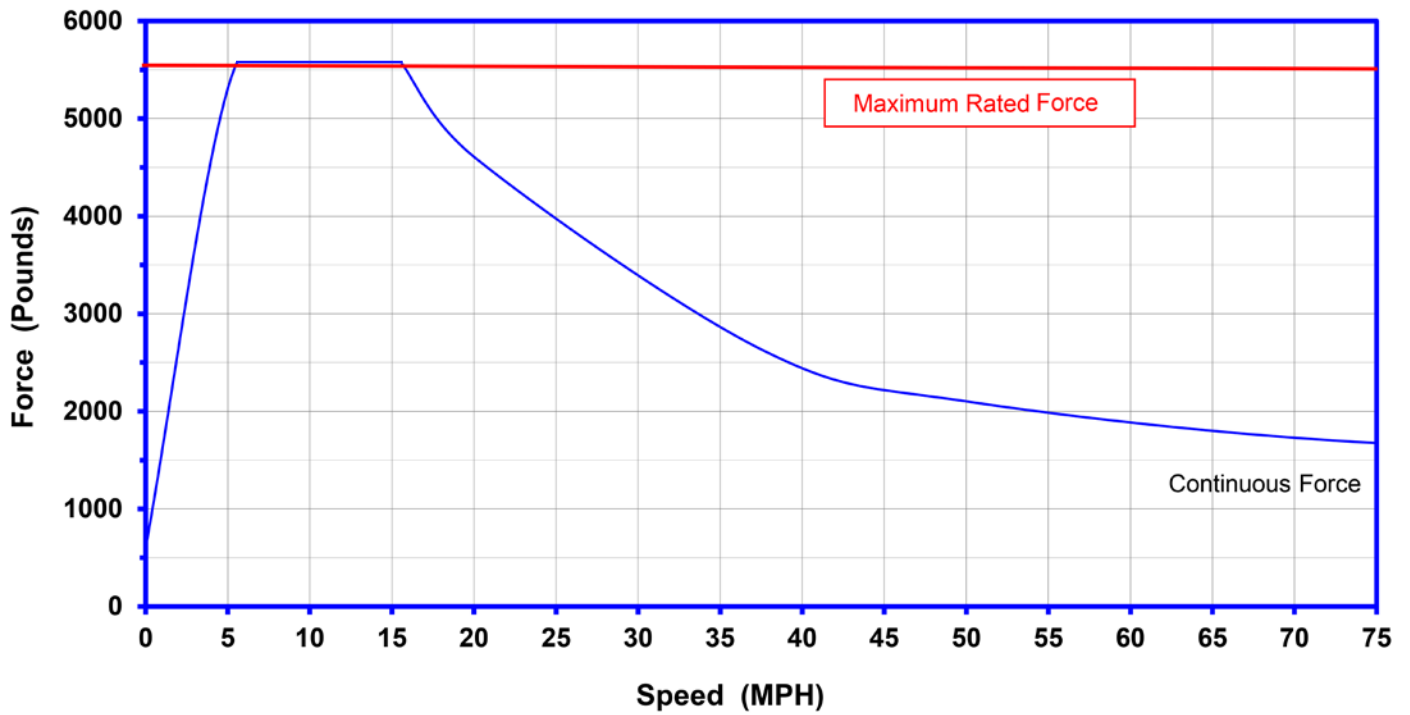
The data acquisition and control system offered here includes a software license that allows the system to operate and collect data. Please be aware that the license initially installed is a temporary license that is only active for 120 days from the date of shipment from Taylor Dynamometer. You must 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.



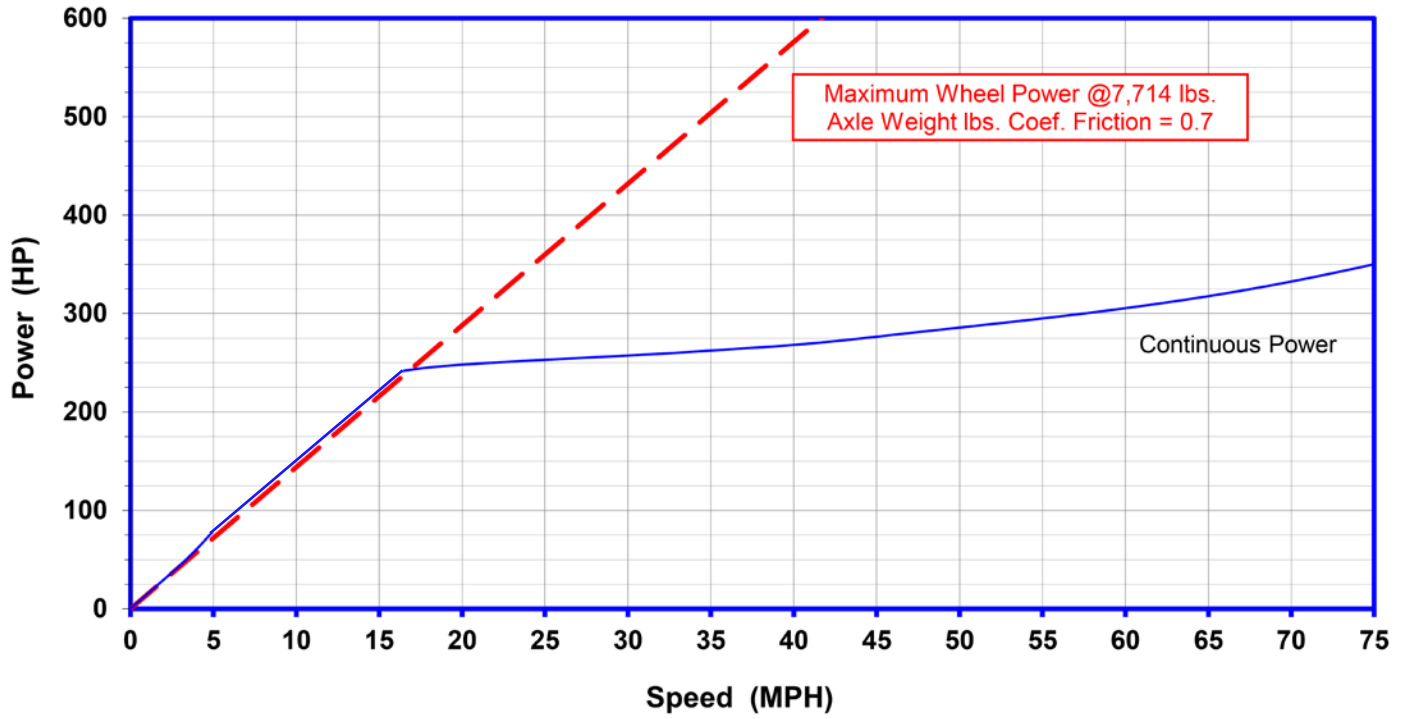
RSL-25K Power Absorption  
305/55/R20 Tires and 3.73:1 Drive Ratio



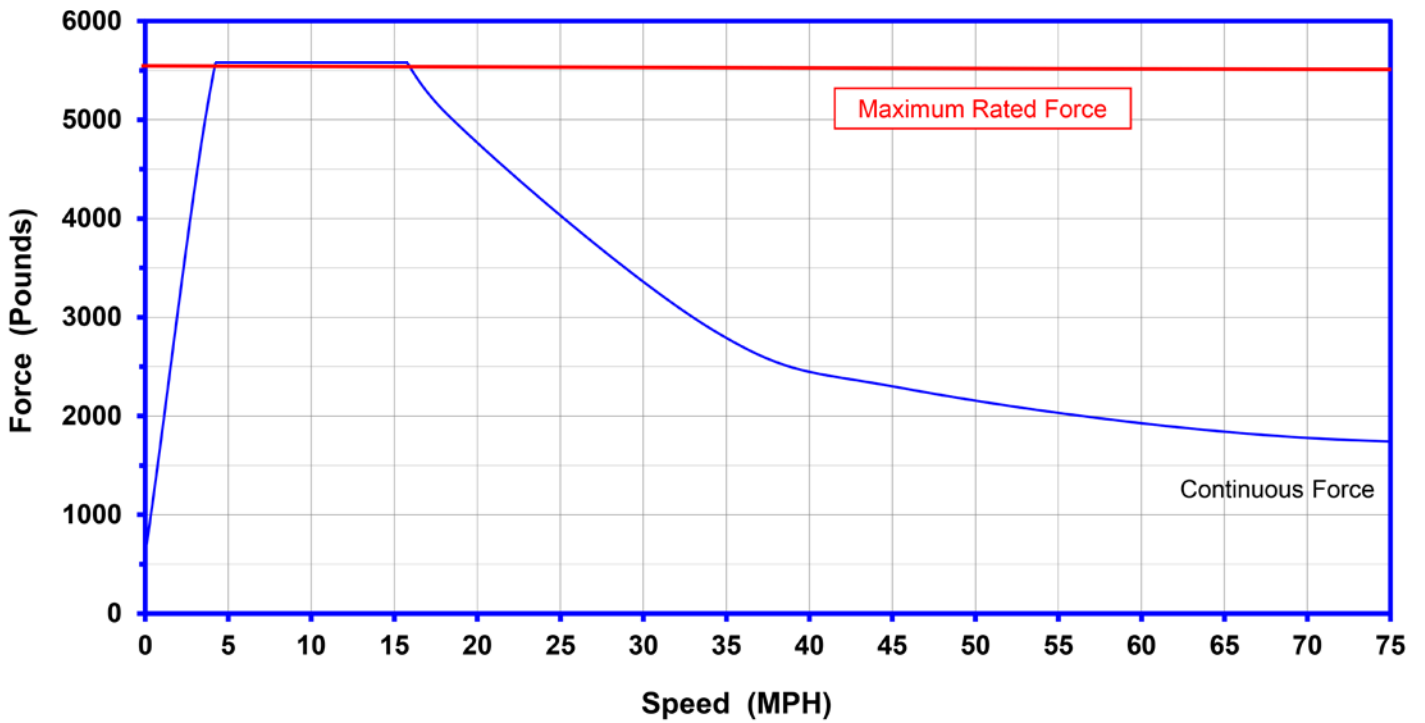
RSL-25K Drawbar Force  
305/55/R20 Tires and 3.73:1 Drive Ratio



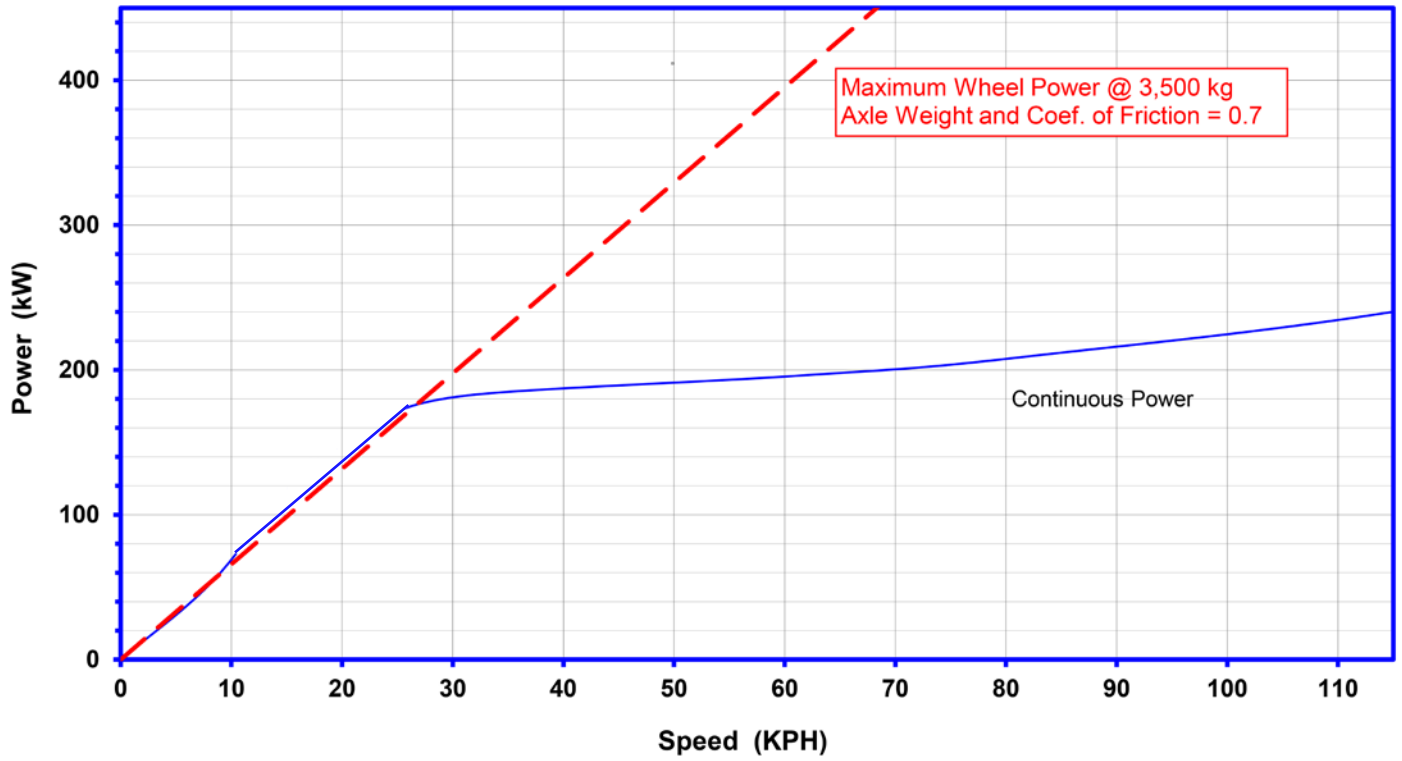
RSL-25K Power Absorption  
305/55/R20 Tires and 4.10:1 Drive Ratio



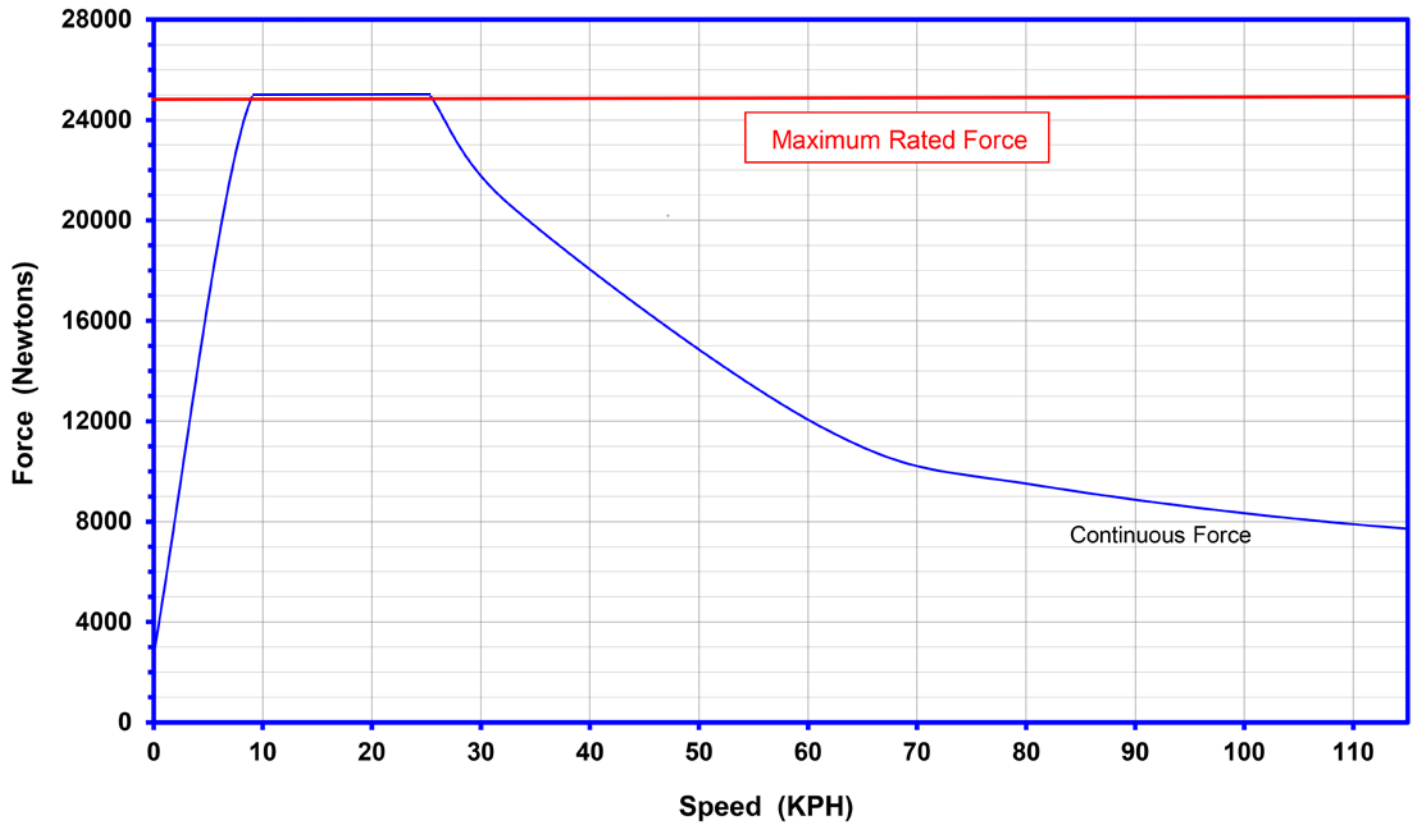
RSL-25K Drawbar Force  
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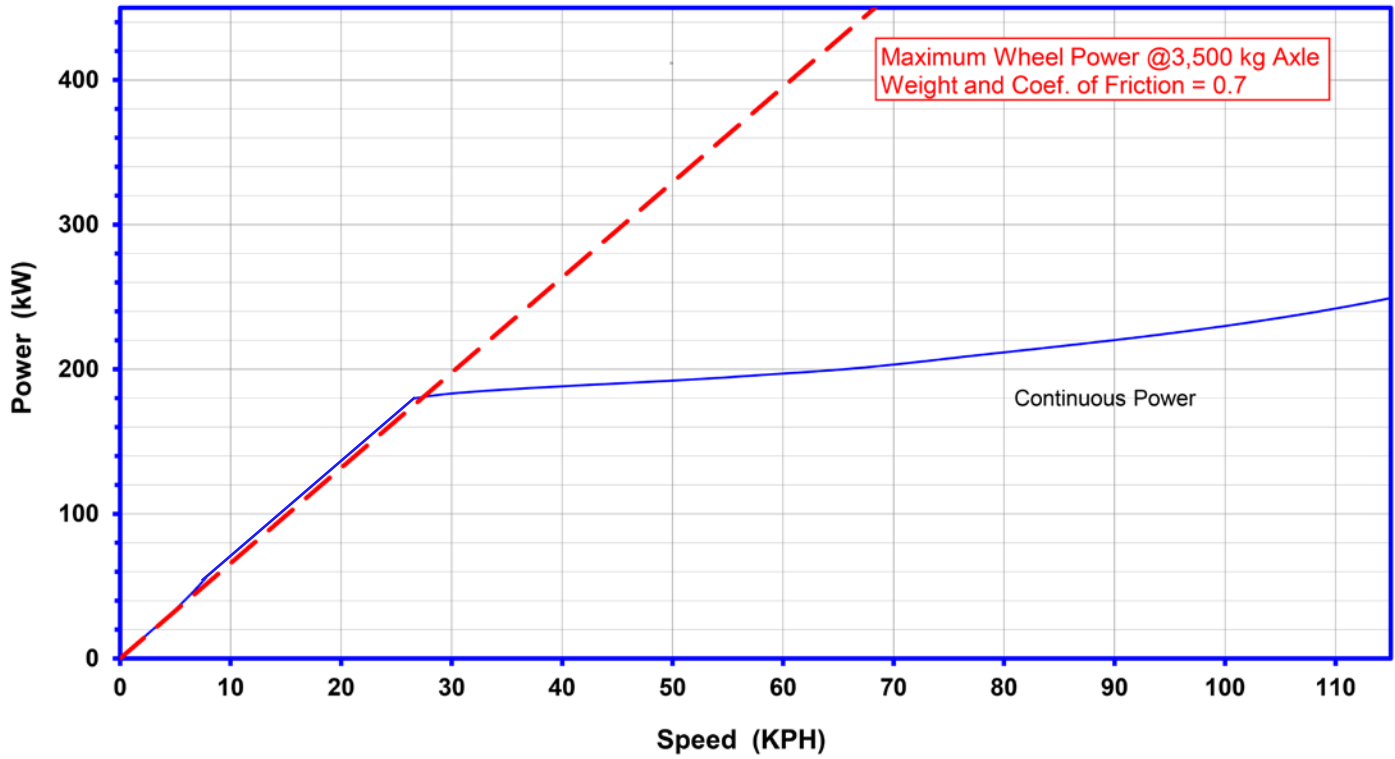
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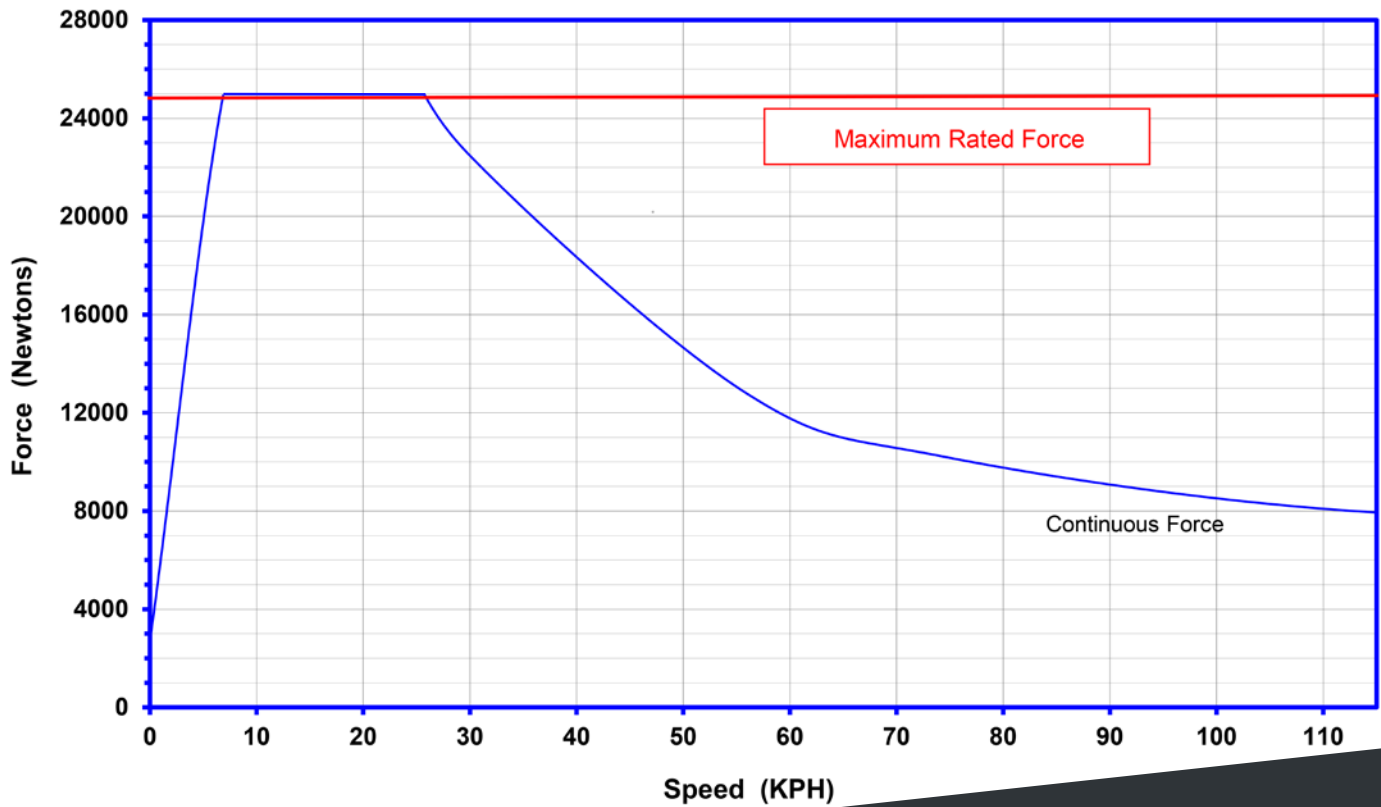
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*Everything you need to succeed*

