



RS-40K / Towing Dynamometer



RS-40K Towing Dynamometer

Taylor Dynamometer's RS-40K towing dynamometer is designed for testing Class B trucks and is the most full-featured, reliable and accurate towing dynamometer in the industry. The RS-40K is built with a heavy-duty steel frame and industrial axles and rides on an air ride suspension. The RS-40K is designed to maintain 40,000 Newtons of constant drawbar pull and the ability to simulate an uphill slope of 25%. The towing dynamometer uses absorbers with special high temperature coils powered by an industrial generator so there are no lead-acid batteries to charge and testing 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 dynamometer wirelessly and displays multiple channels of real time data. Our hill simulation features exceed 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
- Integrated heads up/drivers trace display

Everything you need to succeed

RS-40K Features and Specifications

- Ruggedized, Wi-Fi, touchscreen tablet PC controller with integrated heads-up display
- DynCntrl-II Software
- Wireless or CAT5 communication
- Onboard air system or glad-hand connection
- Heavy-duty frame construction
- Heavy-duty, industrial diesel generator (with remote start)
- NEMA enclosure for electronics
- Absorbers with high temperature coils
- Air ride suspension with on board air compressor and accessory hose reel
- Largest drawbar shaft (square) in the industry 152.4 mm (6 in.)
- Surge brakes and ABS
- Tire size: 22.5 dually or super singles available
- Max drawbar pull: 40,000 Newtons (8,992 lb) on surfaces with a coefficient of traction of 0.8 or higher
- Weight Dry: 5,108 kg (11,262 lb)
- Length: 583 cm (229.5 in.)
- Width: 243.8 cm (96 in.)
- Height: 272 cm (107 in.)

Options

- Calibration stand
- Storage cabinet
- Ballast system
- LED amber warning beacon
- CE Certification

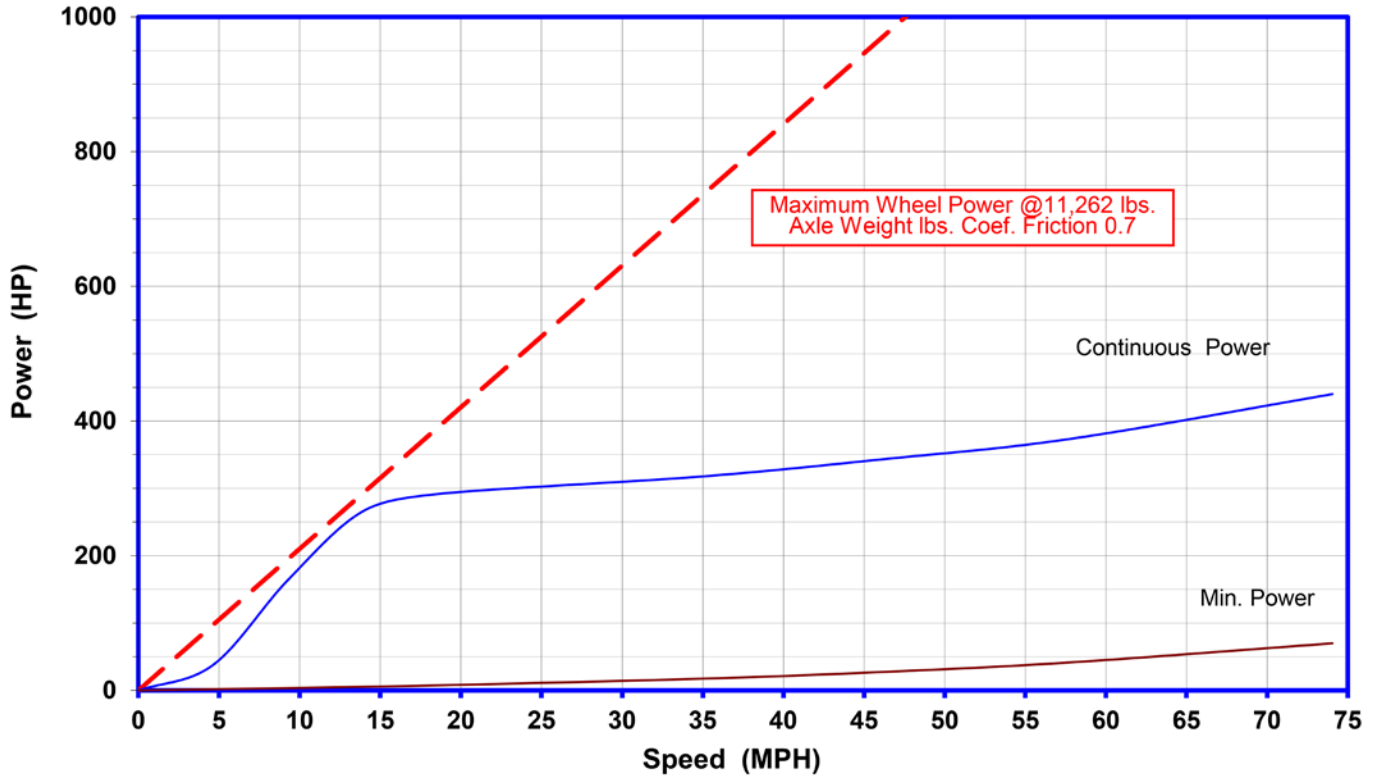
Notes:

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

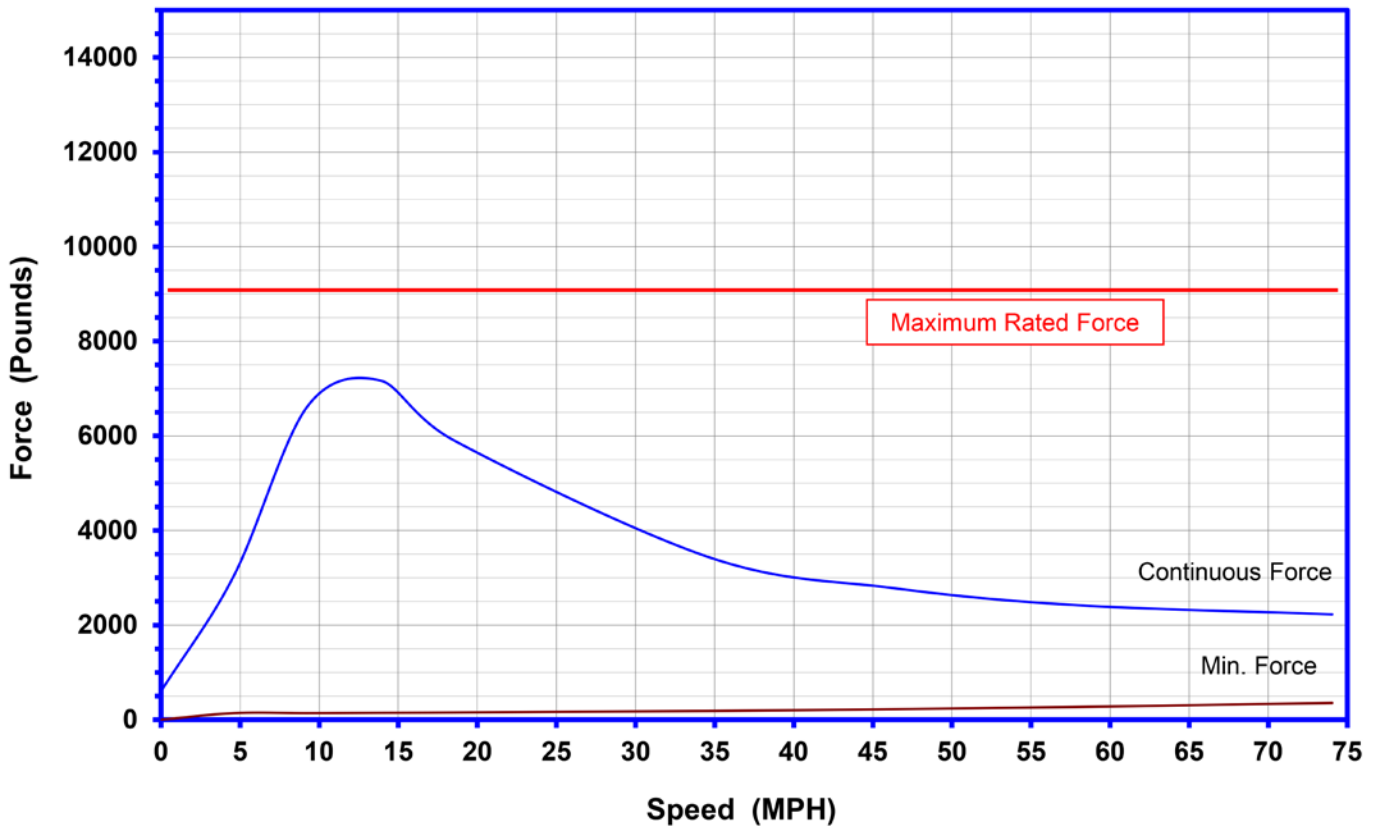
Taylor's RS and RSL series towing dynamometers are intended to be used on a test track. While Taylor stands behind the road worthiness of the trailers, the specialized control features and handling interactions between the towing dynamometer and test vehicle result in our recommendation to use them within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



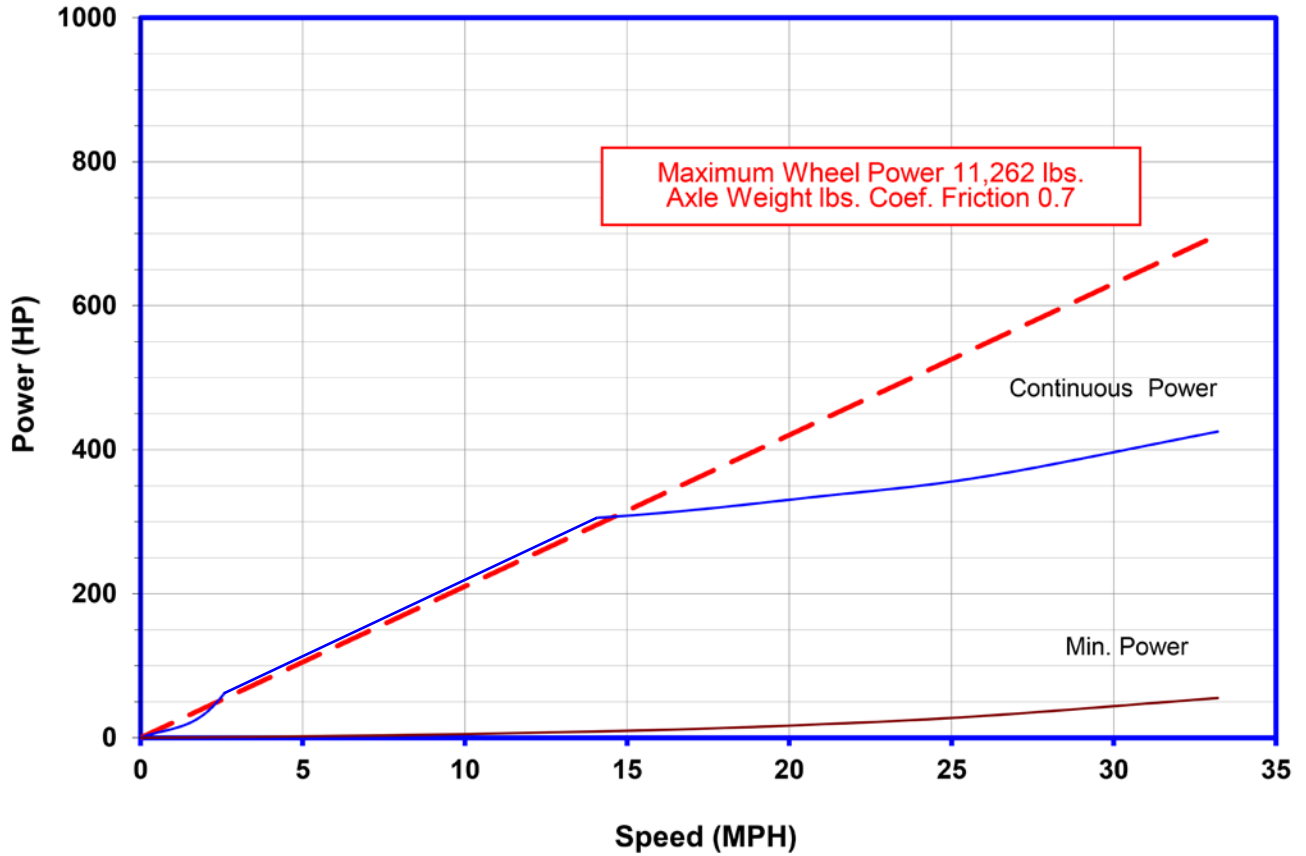
RS-40K Power Absorption
295/75/R22.5 Tires and 5.13:1 Drive Ratio



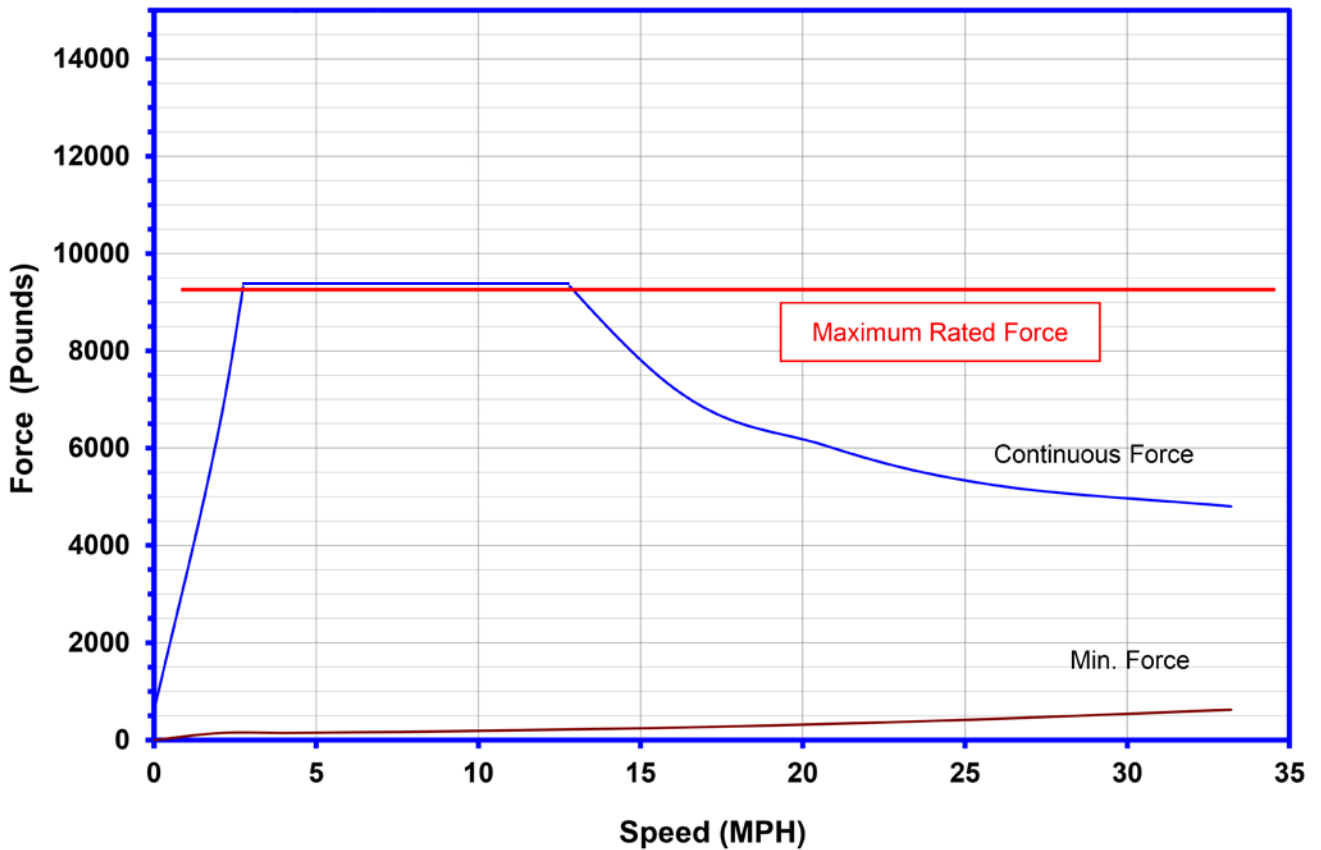
RS-40K Drawbar Force
295/75/R22.5 Tires and 5.13:1 Drive Ratio



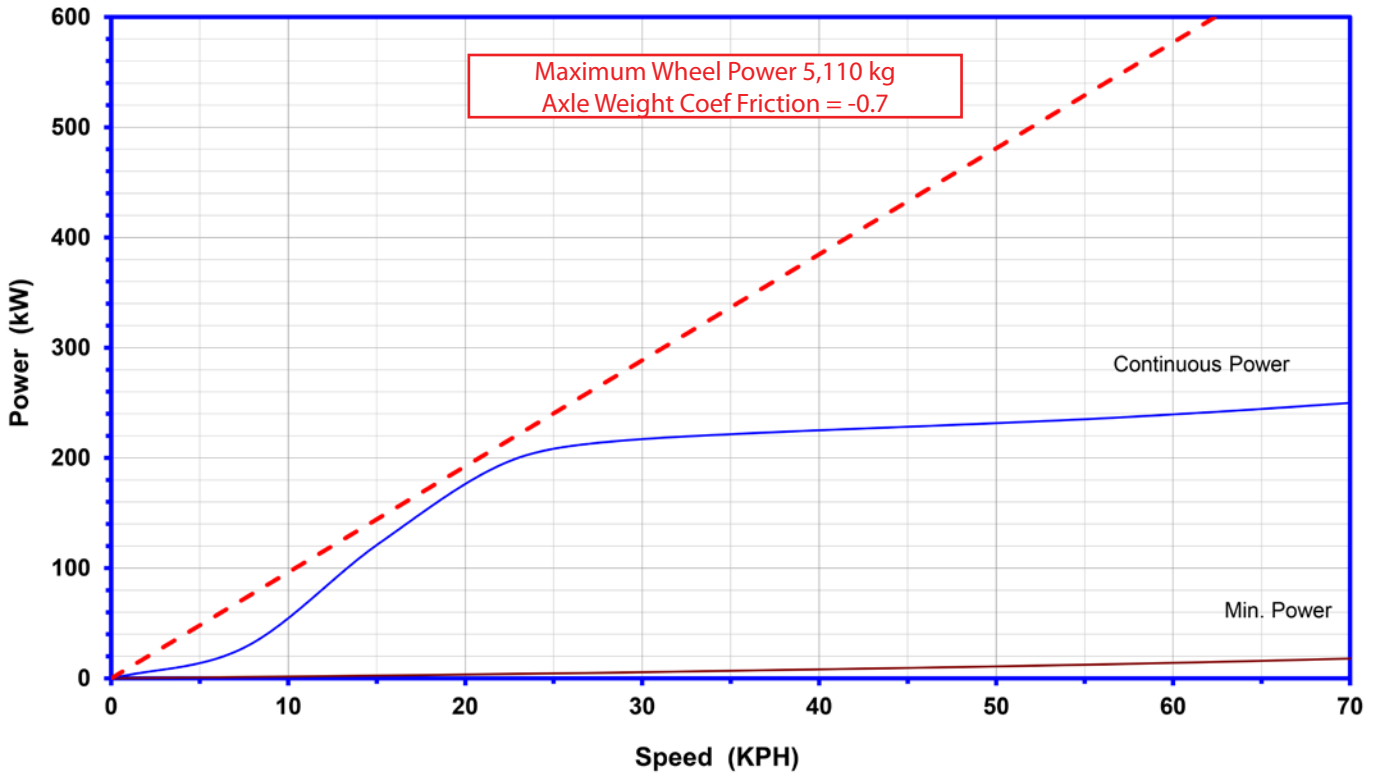
RS-40K Power Absorption
295/75/R22.5 Tires and 11.44:1 Drive Ratio



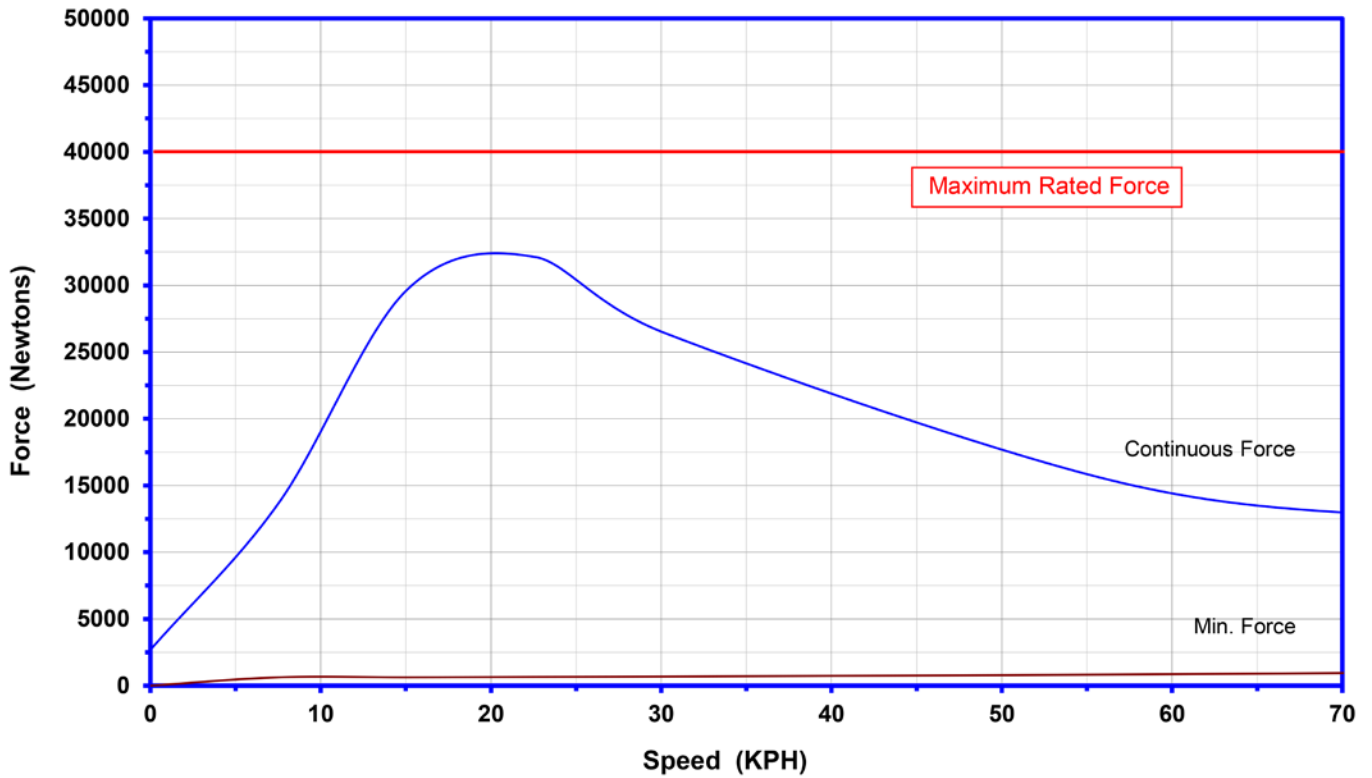
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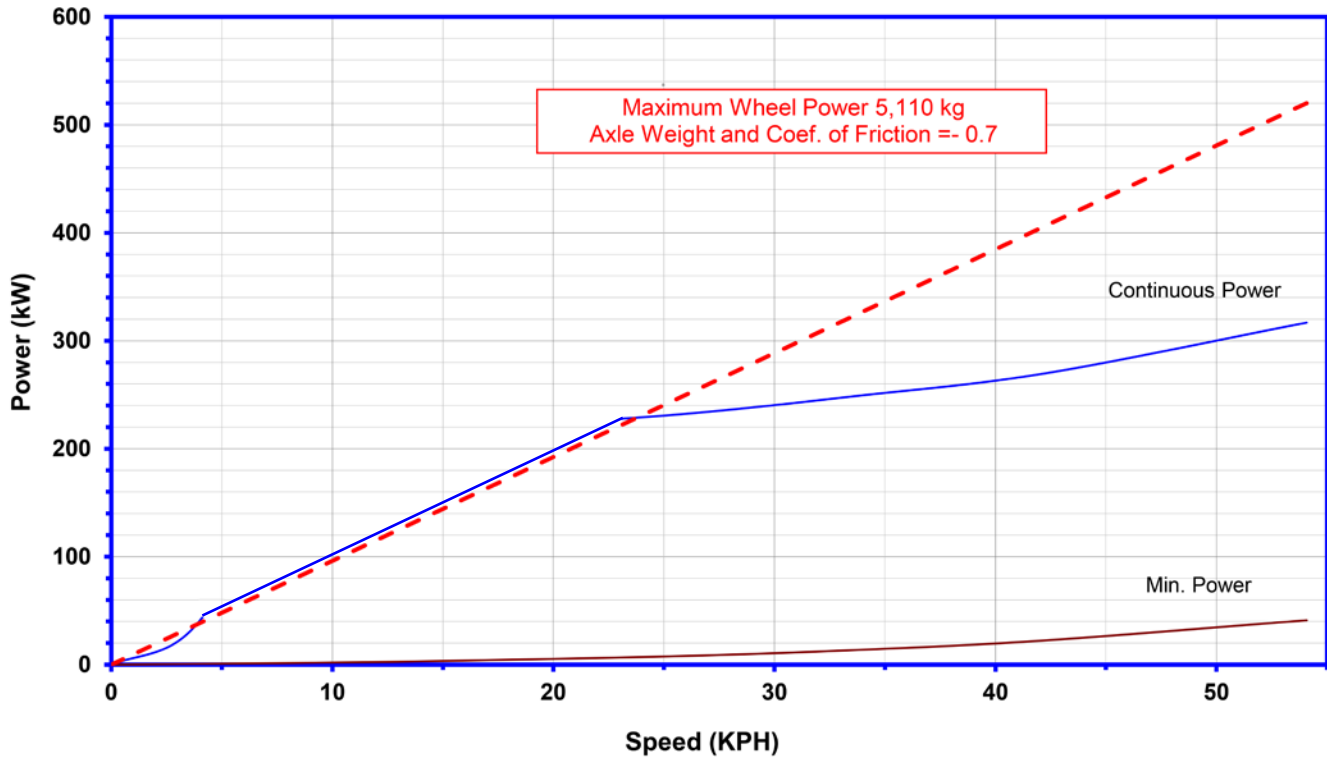
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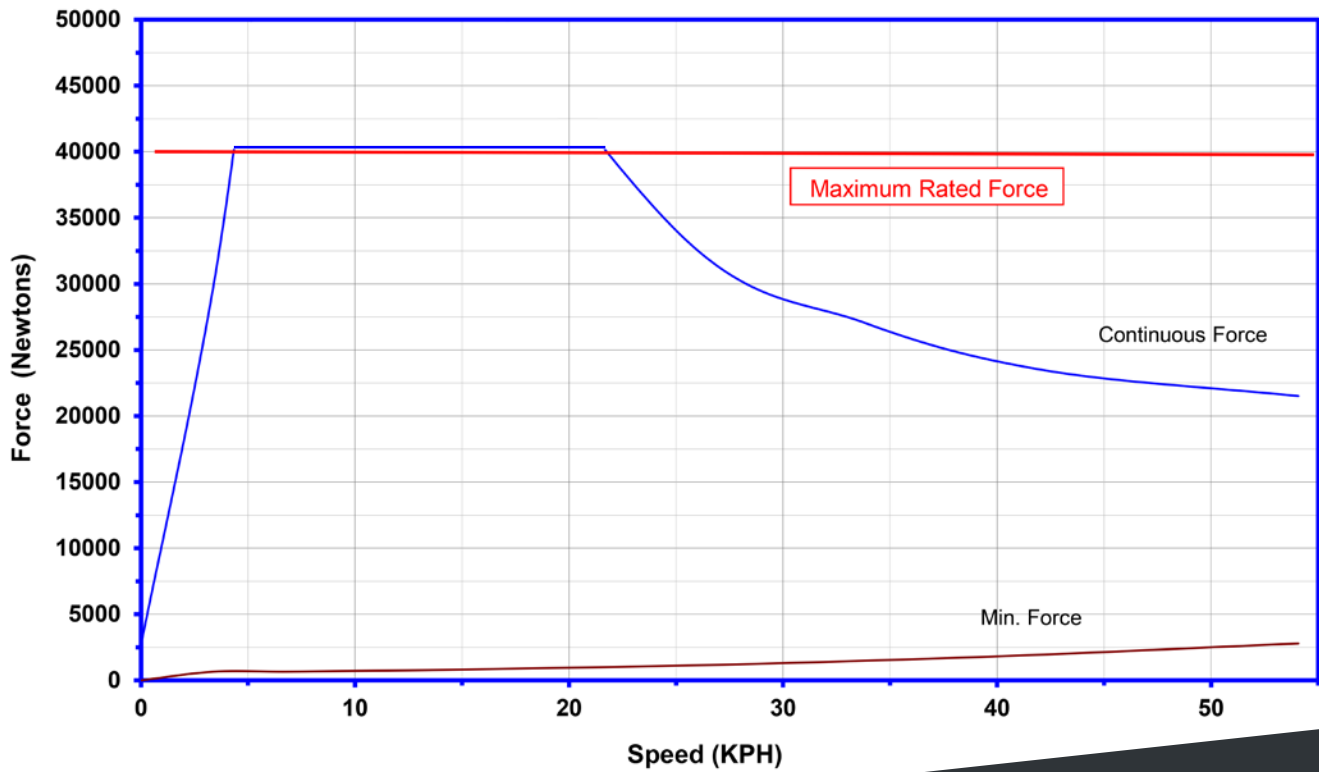
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Everything you need to succeed

