Dynamometers
and Diagnostic Test Equipment

Motorcycle Inertia Dynamometers
Motorcycle Load Control Dynamometers
ATV & Kart Dynamometers
Dynamometer Control Software

2005

Dynojet
As a leading after-market product development company, Dynojet uses its Dynamometers on a daily basis testing everything from touring motorcycles to exotic factory race only vehicles. This is important because every Dynojet Dynamometer owner can contact our support team for interpretation and analysis of the data provided by the Dynamometer. Dynojet’s involvement with racing programs and our own successful line of performance products, enables us to attract the best talent in the motorcycle industry. This provides you with the highest level of service and support.

The Dynojet Dynamometer is the most widely recognized chassis dynamometer with more than 4,300 installations in over 43 countries. These installations include OEM motorcycle manufacturers, importers, exhaust manufacturers, tuners, race teams, dealers, service shops, motorcycle and ATV magazines. Dynojet has long term partnerships with industry leading companies worldwide, ensuring local technical support for most of our customers.

The easy to use Dynojet software is available in English, French, German, Italian, Dutch, Spanish, Chinese, Korean & Japanese. Foreign language software includes the capability to configure the units of measure for horsepower, torque, vehicle speed and all automatic atmospheric condition measurements.

For more information contact:

Tel : 800-992-3525
Fax : 702-399-1431
email: bikedynosales@dynojet.com
Why is a Dynojet Dyno the most accurate & consistent chassis Dyno you can buy (at any price)?

- Durable and maintenance free design
- Large diameter precision balanced drum
- No maintenance or re-calibration required (each individual Dyno is accurately calibrated for inertia mass, bearing and air drag)
- High data sampling rate ensures accurate and repeatable data
- Drive-train condition verification through coast-down testing
- Automatic correction for atmospheric conditions (All Internationally accepted standards available)
- Real-time RPM measurement (accurate to +/- 1/10th RPM)
- Inductive RPM pickup system detects ignition misfires
- Software automatically calculates gear ratios
- Software automatically detects clutch or tire slippage
- User manuals included
- Training courses available
- Unlimited 1-800 Toll-Free Tech Support (US only)

Dynojet Mobile Dynamometer at AMA events

Dynojet Dynamometer equipped Arrow Race Lab.

Dynojet Dynos Used By:

**Racing Teams**
- Yoshimura Suzuki
- Team Kawasaki
- Team Yamaha
- Erion Racing
- Team Valvoline/Emgo Suzuki
- Graves Yamaha
- Monster Mob Ducati UK
- Pro Circuit
- TAS Suzuki UK
- Crescent Racing UK
- V&M Racing UK
- Ducati SBK

**Schools**
- MMI Phoenix
- MMI Orlando

**Exhaust Companies**
- Akrapovic
- Arrow
- M4 Exhaust
- Hindle
- Yoshimura
- Pro Circuit
- Blue Flame UK
- Micron UK
- Vance and Hines
- FMF
- Two Brothers Racing
- Muzzy’s
- Erion

**TV Shows**
- Top Dead Center TV
- Horsepower TV
- Dream Car Garage

and thousands of others...
The Dynojet Load Control System was developed through years of experience with over 3,900 dynamometer installations worldwide. The design is easy to operate and provides the function of steady-state load control. Dynojet’s Load Control System uses the latest in eddy current power absorption technology, which combines with our easy to use software, so any technician can get repeatable, consistent results. The Load Control software provides the technician with the ability to control vehicle RPM or Speed at any throttle opening. Through our exclusive closed-loop software design, the vehicle is automatically held at your pre-determined setting.

With the addition of the optional torque cell package, the dyno has the capability of a more complete range of tests, including step and sweep tests and wind drag simulation.
“We use a Dynojet Model 250i dynamometer at our workshop. All our race bikes are thoroughly checked for performance each time we leave the workshop. Our riders never have anything less than 100% engine performance when the bikes hit the track. The 250i has also been a superb diagnostic tool for engine development and perfecting our fuel mapping. The results are always consistent.”

Stuart Blande, Crew Chief
Monster Mob Ducati

“I have Dynojet Dyno’s in both of my stores. They are an amazing profit center. We have done the math and these things make us money. Not only are we able to properly tune customer’s bikes quickly, but we are able to develop new performance engine packages. Our dynos have made tuning and riding the bikes a lot more fun.”

Johnny Mancuso,
Mancuso Harley-Davidson

“The Dynojet dynamometer with the ‘real time’ AFR meter has allowed us to quickly and accurately set up our race bikes for peak output. The trackside support of the Dynojet Mobile dyno has given us the extra ‘edge’.”

Theo Lockwood, Engine Development Engineer
Kawasaki US Racing
The **Model 200i** continues the Dynojet tradition of providing a reliable, repeatable, consistent and easy to use chassis dyno for quick and accurate diagnosing of performance problems. The **Model 200i** offers an improved operator interface through the use of the integrated control console, new WinPep 7 software and a wider platform for easy loading & unloading. Shop sales, service work and credibility all benefit with a Dynojet chassis dynamometer.

**TESTIMONIAL**

“I have owned Dynojet Dynamometers for over 10 years. In all that time, I have had to do almost no maintenance. Aside from changing the filters in my "real time" Air/Fuel system and cleaning the chassis, there is really nothing to do. I can spend my time doing what is important - developing my team’s racing engines.”

Chuck Graves,  
Graves Yamaha Racing

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**Includes integrated electronics, featuring an advanced CPU, Input / Output Channels, RPM Acquisition, and Atmospheric sampling.**

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**LEASE FROM ONLY $272.00 per month**
Air Brake Option

The Brake option can be added to the Dyno to quickly slow the drum after the run. This is recommended when testing two-stroke motorcycles which do not have as much engine braking.

Dual Multi-Axis Cooling Fan System

This integrated cooling fan system option has adjustable arms and can move 1,800 CFM from each fan. These fans are controlled from the control pod.

**SPECIFICATIONS / REQUIREMENTS**

- Dedicated 240v 30amp single-phase circuit
- Maximum Horsepower: 750hp
- Maximum Speed: 200mph (322 KPH)
- Timing Accuracy +/- 1 microsecond
- Drum Speed Accuracy +/- 1/100th MPH
- RPM Accuracy +/- 1/10th RPM
The Power Clamp / Carriage option allows the dyno operator to adjust the carriage length and clamp the front wheel from the control pod, while seated on the bike.

This included built-in starter system is for “bump” starting or centering of the rear tire.

The folding ramp option includes gas assist struts for one person operation.

The Torque Module is for measuring loaded roll-ons and real-time torque with the new WinPEP7 software. Perform sweep and step tests, as well as wind drag simulations.
The Control Pod allows the operation of dyno accessories such as the cooling fans, power clamp, power carriage and air/fuel pump from the bike.

The Analog Module allows 4 additional 0-5v based sensors to be logged during dyno runs. Now you can display data such as boost, fuel pressure, and intake air temperature right along side your HP / TRQ.

The addition of the Air Fuel Ratio Monitor option can be used to accurately and effectively tune fuel-injected motorcycles equipped with a Dynojet Power Commander.
The **ATV / Kart Dynamometer** gives you the advanced technology, durability, and accuracy you need, all at an affordable price. Dynojet’s cutting-edge engineering delivers the precise horsepower measurements a technician needs to make quick and accurate evaluations of engine and drive-train performance. This allows you to maximize your shop’s potential with increased sales, service efficiency, and shop credibility. The dyno’s durable, low-maintenance construction ensures that you will be investing in many years of flawless tuning and troubleshooting.

By eliminating the need for engine removal, the vehicle mounting time is as little as 5 minutes. A technician can then perform a simple test and examine the results right in the shop. Utilizing the Dynojet WinPEP software, the dyno operator can evaluate the entire drive-train condition for the purpose of routine servicing or all-out performance development.

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**SPECIFICATIONS / REQUIREMENTS**

<table>
<thead>
<tr>
<th>110v 60Hz or 220/240v 50Hz</th>
<th>Dimensions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Horsepower: 750hp</td>
<td>Drum Diameter: 18 inches (.45m) per drum</td>
</tr>
<tr>
<td>Maximum Speed: 200mph (322 KPH)</td>
<td>Drum Width: 20 inches (.5m) per drum</td>
</tr>
<tr>
<td>Timing Accuracy +/- 1 microsecond</td>
<td>Drum Weight: 500lbs (227Kg) total</td>
</tr>
<tr>
<td>Drum Speed Accuracy +/- 1/100th MPH</td>
<td>Drum Inertia: 12-12.5Kg Force° (approx.)</td>
</tr>
<tr>
<td>RPM Accuracy +/- 1/10th RPM</td>
<td>Drum Concentricity: +/-0.001 Inch (+/-0.025mm)</td>
</tr>
</tbody>
</table>

**Weight:**

- Dynamometer: 1650 pounds (749Kg)
- Crated Dynamometer: 1750 pounds (794Kg)

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**LEASE FROM ONLY $323.00 per month**
The same technology that has made the Dynojet Motorcycle Chassis Dynamometer the industry standard has led to the development of the first dynamometer engineered for Kart racing and ATV applications. The **Dynojet ATV / Kart Dyno** allows for complete drive-train testing by measuring performance at the drive wheels.

Above-ground kit option available for floor mounting

Optional Air/Fuel Pump

Motorcycle Carriage Option

Kart on Above-Ground Dyno package

Model 178 Legend Car Dyno
## DYNOJET DYNAMOMETER OPTIONS

<table>
<thead>
<tr>
<th>Accessory</th>
<th>200i</th>
<th>200i PIT</th>
<th>250i</th>
<th>250i PIT</th>
<th>168/188</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air/Fuel Ratio Module</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Dual Multi-Axis Cooling Fan System</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Monitor Tray</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>Air Brake / EEC Safety</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>Std</td>
</tr>
<tr>
<td>Eddy Current Load Absorption Unit</td>
<td>✓</td>
<td>✓</td>
<td>Std</td>
<td>Std</td>
<td>✓</td>
</tr>
<tr>
<td>Above Ground Kit</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>✓</td>
</tr>
<tr>
<td>Power Clamp</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>Power Carriage</td>
<td>✓</td>
<td>Std</td>
<td>✓</td>
<td>Std</td>
<td>✓</td>
</tr>
<tr>
<td>Torque Cell Package</td>
<td>–</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Motorcycle Carriage</td>
<td>Std</td>
<td>Std</td>
<td>Std</td>
<td>Std</td>
<td>✓</td>
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<tr>
<td>Extended Carriage</td>
<td>✓</td>
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<td>✓</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>Fat Boy Wheel Adapter</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Folding Ramp</td>
<td>✓</td>
<td>–</td>
<td>✓</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>4 Channel Data Acquisition Module</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Legend for Accessories:**
- Std = Standard
- ✓ = Optional
- = Not Required
- X = Not Available

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**Above Ground Kit** (shown attached to ATV / KART Dynamometer)

**Dual Multi-Axis Cooling Fan System**
Eddy Current Load Absorption Unit

Air/Fuel Ratio Module

Torque Cell Package

4 Channel Data Acquisition Module

Motorcycle Carriage

Air brake

Monitor Tray

Power Clamp / Carriage

Loading Ramp
Tuning with a Dynojet dyno has never been easier! With the addition of our new air/fuel ratio module, every dyno run can show you not only horsepower and torque, but also exact air/fuel ratio. This takes the guesswork out of fueling adjustments. The air/fuel ratio graph shows a rich/lean condition at each RPM range during the dyno run.

Retrofitable to any existing Model 200 dynamometer, as well as any upgraded Model 100 or 150 dyno utilizing the new hardware upgrade and WinPEP software.

**TECHNICAL SPECIFICATIONS**

Wide-Band O2 sensor has a range of 10.1:1 to 18.1:1.

Specialized 6-wire, heated and referenced sensor is self-calibrating for long, consistent life.

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**Live Air/Fuel display during dyno run**

**Optional**

**Standard**

**DynoWare Ex+ with Air/Fuel ratio module**

Air/Fuel pump assembly shown here as upgrade module and installed in an iSeries Dynamometer.

Also includes: high temperature sample line with dual pump assembly and moisture separator.
Atmospheric Sensing Module:
The Atmospheric Sensing Module measures absolute pressure, air temperature, and relative humidity. These measurements are used by the WinPEP dynamometer software to correct power and torque measurements to standard atmospheric conditions according to an SAE, Standard, DIN, JIS, or EEC formula.

RPM Module:
The RPM Module receives and processes signals from up to 2 inductive pickups for measurement of engine RPM. Each input has an automatic gain circuit to compensate for a wide variance of ignition systems.

Dynamometer I/O Module:
The Dynamometer Input/Output Module sends and receives data from the dynamometer and the handheld pendant. The module also contains a buzzer and light which are activated when either the tire or dynamometer speed limit is approached.

CPU Module:
The CPU Module contains a 32-bit processor which acquires data from the expansion modules and communicates the data to the computer running the WinPEP software. The processor queries the expansion modules to determine which modules are connected. The CPU Module fastens to an attractive stand for placement on the computer or workbench. Each additional module then plugs conveniently into the one below it, providing expansion for future modules.

The Analog Module allows (4) additional 0-5v based sensors to be logged during dyno runs. Now you can display data such as boost, fuel pressure, and intake air temperature right along side your HP / TRQ.

WinPEP 7 has a built in sensor calibration routine that makes the set up simple. You can choose from various supported sensors, or input the data from any 0-5v sensor on the market. The module simply mounts to the top of the Dynoware EX+ System and also includes a 5v reference output.
WINPEP7 DYNAMOMETER SOFTWARE

About WINPEP7 Software
Dynojet’s new WinPEP (Windows® Performance Evaluation Program) uses a Windows® File Manager style selection window, as well as an outline selection window to access previous runs and store new ones. Runs are stored by Make, Model, and Name (the same structure as our previous DOS version of “PEP”).

Objectives
The Software Engineers at Dynojet understand your need to attain the maximum performance from the vehicles you evaluate. For this reason, they have developed a user-friendly interface which will allow you to easily develop new dyno runs, view previously stored runs, and compare multiple runs with the click of a mouse button. Whether you are new to the benefits of dyno testing or an experienced performance leader, the repeatability and diagnostic tools of the WinPEP software will give you the professional results you are looking for.

Available Languages
The easy-to-use WinPEP software is available in English, French, German, Italian, Dutch, Spanish, Chinese & Japanese. Foreign language software includes the capability to configure the units of measure for horsepower, torque, vehicle speed, and all automatic atmospheric condition measurements.

The New Standard in Dynamometer Cont

SPECIFICATIONS / REQUIREMENTS
Dynojet recommends obtaining a computer system from a local supplier who will assemble the system from individual components. The benefit in doing this is twofold: 1) The components and software in a scratch-built system are usually of higher quality than the components used in mass-produced systems purchased from a typical computer superstore. 2) When you obtain a computer from a local builder, you also get their services should a problem arise. While problems may be few and far between, having a local source for assistance can be invaluable.

- Pentium 800 MHz +
- 1.2 Gigabyte Hard Drive
- 256 MB of RAM
- 800x600, 256-Color Monitor (SVGA)
- CD Rom and Floppy Disk Drive
- Microsoft Windows® 2000/XP
- Printer (preferably HP DeskJet®)

30 Megabytes of free hard disk space is required to install WinPEP.
Dynojet’s WinPEP7 CD-ROM includes video tutorials to walk you through the features and functions of the software.

Regardless of where you are testing, the units of measurement and language can be selected to suit your needs. You can choose from either preset selections (US, Metric, Japanese) or custom settings from easy-to-use drop-down menus.

Detailed information about each run can be viewed with a simple “double-click” of a run file. Time, date, barometric pressure, humidity, etc. are all displayed.
You can use the “Export Data” function to either generate a detailed text file or a file that can be imported into programs like Excel. You can then use Excel (or similar programs) to create your own graphs or charts.

This is an example of text-based data export.

Use the “Export Graph” function to generate an image file in BMP, JPG, EMF or WMF file formats. This makes it possible for others to view run data without the need for special software.
In dual graph mode the graph screen is split horizontally. The split can be scaled to your liking. In this example Air/Fuel is scaled to 1/3rd of the screen under a power graph.

WinPEP7 supports up to a three graph split. Clicking the Axis tabs will display a pop-up list of choices. You can select the view type from this list.

Printing options allow the user to add custom graphics such as your shop logo, which will be printed on the graphs given to your customers.
This example shows an advanced display. The “load control” and “load testing” systems can be activated in this version. Using the optional Torque Module, “real-time” torque can be displayed. Gauges can be added, removed, or customized to suit each user’s preferences.

The “make run configuration” screen allows you to view the “real-time” weather station information and make or edit notes for the upcoming tests.
The green graph represents a non-loaded inertia test. The red graph was done utilizing the Wind Drag feature. You can see by the graphs that the power output is the same.

When viewed against time, you can see how much longer it takes to complete the Wind Drag test than the standard inertia test.

This graph is an example of a “step” test. This test allows you to define specific RPM points. During this test, each of these points are held and torque and horsepower readings are taken. These points are depicted by the square boxes shown in the graph.

A user support web site is accessible by selecting “WinPEP Direct” under the “Help” menu in WinPEP 7.
The Era of Fuel Injection has arrived. Year after year, more bikes will come equipped with fuel injection systems. Dynojet has invested in the future and will offer the revolutionary Power Commander for many bikes.

Although the Power Commander is supplied with maps for many popular applications, there is a need for regional tuning centers, which can optimize the fuel and ignition curves for local customers as well as develop new maps for given combinations.

There are many advantages to becoming a “Dynojet Approved Power Commander Tuning Center, which include:

- A new profit center, which will draw new customers to your store
- Special pricing on all Power Commander purchases
- Shop listing inside every Power Commander package
- Shop listing and full page on www.powercommander.com
How to become a "Dynojet Approved Power Commander Tuning Center"

1. Call a Dynojet sales representative at 800-992-3525.

2. Purchase or upgrade to a Dynojet Model 250 Load-Control Dynamometer. All Model 150 and Model 200 Dynamometers can be upgraded.

3. Purchase the new Dynojet real-time Air/Fuel Ratio Module. This is probably the best Dyno accessory ever produced and can be used with any Model 200 or 250 Dynamometer. All Model 150 Dynamometers can be upgraded along with the DynoWare EX+ upgrade.

4. Submit a Tuning Center application. A technician must complete and pass a two day Fuel Injection and Power Commander School course at Dynojet in Las Vegas.

5. Sign a Power Commander Tuning Center agreement with Dynojet Research Inc.
The Dynojet Fuel Injection Tuning Link is an innovative piece of software that allows the automatic fuel curve optimization of a Power Commander equipped motorcycle. The Tuning Link software interfaces the Power Commander with a Model 250 Load Control Dynamometer. The Tuning Link software controls both the Dynamometer and the Power Commander at the same time. The Dyno operator simply follows the instructions on the screen.

By utilizing the Dynojet "Real Time" air/fuel ratio monitoring equipment and latest "load control" Dynamometer technology, the Tuning Link monitors the current air/fuel ratio at over one hundred and forty different points. At the same time, the Tuning Link automatically calculates the correct fuel adjustment to achieve the user desired air/fuel ratio. Once calculated, the Tuning Link uploads these new fuel values to the Power Commander and saves a copy of the file.

The Tuning Link has the ability to map fuel curves in both "static" and "dynamic" modes. This assures that the generated fuel curves are correct for both steady state cruising as well as during aggressive on/off throttle movements.

The Air / Fuel ratio can be set for Cruising and Power ranges. This technology allows the Dyno Operator to accurately "optimize" the bike in a very short time, regardless of the bike’s modifications.
This screen shows the software in action during a Dynamic 100% throttle roll-on test. Dynamic part throttle roll-ons can be accomplished with complete accuracy by utilizing the Dynojet Throttle stop.

**TESTIMONIAL**

“Tuning link allowed our technicians to make quick and accurate changes to suit the constantly changing needs of our engines.”

Roger Harvey,
Honda UK

**TESTIMONIAL**

“Tuning Link has made a huge difference to our engine development program, we can now have perfect fueling to suit the, and ever changing engine specifications.”

Nick Morgan,
Kawasaki UK

**TESTIMONIAL**

“The maps for our TT winning engines were developed using Tuning Link.”

Jack Valentine,
Valmoto Triumph

**TESTIMONIAL**

“The IOM TT is the ultimate test of any product, and Tuning Link allowed our technicians to develop maps for the unique conditions of the TT.”

Philip Neil,
TAS Suzuki UK Road Race Team

**TESTIMONIAL**

“The combination of Tuning Link and the new USB Power Commander has transformed the performance of our 748 Ducati. The fueling is always 100% right!”

Paul Bird,
Monster Mob Ducati

**TESTIMONIAL**

“The RSV 1000 has many different accessories available. Tuning Link allows us to develop maps quickly to suit all our products.”

Ian Newton,
Aprilia UK
Dynojet Dynamometer training is provided by the Motorcycle Mechanics Institute (M.M.I.) at their Phoenix campus.

The M.M.I. offers two Dynamometer classes.

1. One Day Basic Dynamometer operations course.
2. One Day Advanced Dynamometer operations course.

The courses run back to back so you can attend both over two days in one trip.

Dynojet provides a "one day" certificate for one technician with every Dynamometer purchase.

This can be used for the basic course, advanced course or applied as 50% credit towards the two-day course.

To schedule training, please contact the MMI Dynojet Coordinator at 1-800-528-7995

Class hours will be 8:00AM to 5:00PM with 12:00 to 1:00 for lunch.

On-Site dealership training is also available.

This is normally a two day set-up and training course at your facility. Please ask your Dynojet sales representative for more information.

**BASIC COURSE**

The Basic course covers basic Dynamometer operations including:

* Model 200 operation
* Model 250 operation
* Dynamometer Safety, and room setup
* Dynamometer check and service
* Vehicle Inspection, loading and unloading on the Dynamometer
* WinPep software/computer usage
* Basic Dynamometer runs including Roll-ons, All-gears, and Fast acceleration.

**ADVANCED COURSE**

The Advanced course covers performance tuning on a Dynamometer including:

* Basic test and tune including more air and less air tests, and real time Air/Fuel.
* Basic graph interpretation
* Optimization and marketing

For further information about the Dynojet Dynamometer operations courses, please contact the Motorcycle Mechanics Institute:
Phoenix Campus (800) 528-7995

On-Site Training Also Available!

On-site training at your facility is available for an additional fee. Training includes a factory trained professional educating your staff on your dyno.
## Model 250i Dimensions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Horsepower</strong></td>
<td>750 HP (373 KW)</td>
</tr>
<tr>
<td><strong>Maximum Speed</strong></td>
<td>200 MPH (322 KPH)</td>
</tr>
<tr>
<td><strong>Maximum Length</strong></td>
<td>84 inches (213 cm)</td>
</tr>
<tr>
<td>(Front of Front Wheel to</td>
<td></td>
</tr>
<tr>
<td>Center of Rear Wheel)</td>
<td></td>
</tr>
<tr>
<td><strong>Dimensions:</strong></td>
<td></td>
</tr>
<tr>
<td>Drum Diameter</td>
<td>18 inches (45.72 cm) per wheel</td>
</tr>
<tr>
<td>Drum Width</td>
<td>20 inches (50.80 cm)</td>
</tr>
<tr>
<td>Drum Weight</td>
<td>875 pounds (397 Kg)</td>
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<tr>
<td>Drum Concentricity</td>
<td>+/- 0.001 Inch (+/- 0.025 mm)</td>
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<tr>
<td><strong>Weight:</strong></td>
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<tr>
<td>Dynamometer</td>
<td>2375 pounds</td>
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<tr>
<td>Crated Dynamometer</td>
<td>2500 pounds</td>
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<tr>
<td><strong>Material:</strong></td>
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</tr>
<tr>
<td>Drum</td>
<td>A 106 Steel</td>
</tr>
<tr>
<td>Shaft</td>
<td>2 3/16 inch 1144 turned, ground &amp; polished steel</td>
</tr>
<tr>
<td>Frame</td>
<td>10 Gauge Cold Roll Steel</td>
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</tbody>
</table>

## General:
- **Power Requirements**: 240v, 30 amp single phase circuit
- **Remote Switches**: Remote Software Control

## Hardware:
- **Hardware Timing Accuracy**: +/- 1 microsecond
- **Drum Speed Accuracy**: +/- 1/100 th MPH
- **RPM Accuracy**: +/- 1/10 th RPM

## Model 200i Dimensions

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<tr>
<td><strong>Weight:</strong></td>
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<tr>
<td>Dynamometer</td>
<td>1600 pounds (725 Kg)</td>
</tr>
<tr>
<td>Crated Dynamometer</td>
<td>1700 pounds (771 Kg)</td>
</tr>
<tr>
<td><strong>Material:</strong></td>
<td></td>
</tr>
<tr>
<td>Drum</td>
<td>A 106 Steel</td>
</tr>
<tr>
<td>Shaft</td>
<td>2 3/16 inch 1144 turned, ground &amp; polished steel</td>
</tr>
<tr>
<td>Frame</td>
<td>10 Gauge Cold Roll Steel</td>
</tr>
</tbody>
</table>

## General:
- **Power Requirements**: 240v, 30 amp single phase circuit
- **Remote Switches**: Remote Software Control

## Hardware:
- **Hardware Timing Accuracy**: +/- 1 microsecond
- **Drum Speed Accuracy**: +/- 1/100 th MPH
- **RPM Accuracy**: +/- 1/10 th RPM

Dynojet Dynamometers have a 2 year mechanical and 1 year electrical warranty from original purchase date.