

# Specifications

## S68 (Standard Inertia)

# Dyna Pro<sup>®</sup> Dynamometers

Redefining Industry Standards

## Dynamometers & Accessories (EU Specification)

### Dyna Pro S68 Chassis Dynamometer



Designed and Manufactured in the UK

| General Technical Specifications |                               |                         |                                  |
|----------------------------------|-------------------------------|-------------------------|----------------------------------|
| Maximum Power (Dynamic)          | 300 hp                        | Vehicle Type            | Bike                             |
| Maximum Torque                   | 200 ft/lb                     | Loading Type            | Inertia                          |
| Maximum Rear Wheel Speed         | 200 mph                       | Speed Encoder System    | Digital                          |
| Modeled Mass                     | 136 Kg (299 lbs)              | Ignition Pick-up        | Digital (Intelligent Pri, & Sec) |
| Drive Roller Diameter            | 45.3 cm (17.83")              | Data Acquisition System | Digital High Speed USB           |
| Drive Roller Width               | 45.0 cm (17.71")              | Length (Without Ramp)   | 270.4 cm (106.46")               |
| Drive Roller Inertia             | 7.0 Kg/m <sup>2</sup>         | Width                   | 100.4 cm (39.53")                |
| Drive Roller Surface             | Knurled (Anti-Corrosion Zinc) | Height (Deck)           | 44.9 cm (17.68")                 |
| Maximum Bike Length              | 239.6 cm (94.33")             | Height (Overall)        | 88.4 cm (34.80")                 |
| Minimum Bike Length              | 120.6 cm (47.48")             | Weight (Un-Crated)      | 750 Kg (1650 lbs) (Approx.)      |
| Timing Accuracy                  | 50 nano seconds               |                         |                                  |
| Speed Accuracy                   | 0.01 mph                      | Supply Voltage          | 190 - 240 Volts ac 50/60 Hz      |
| RPM Accuracy                     | 0.1 rpm                       | Maximum Supply Current  | 20 Amps                          |
| Calibration                      | Factory Calibrated            | Air Consumption         | <1 CFM (120 psi Max)             |

### Standard Hardware Features

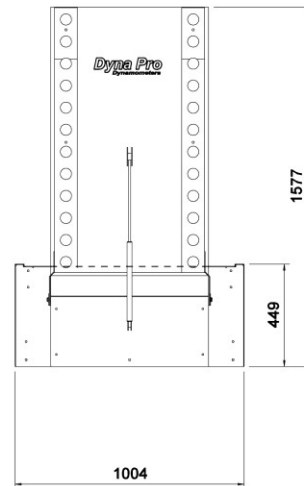
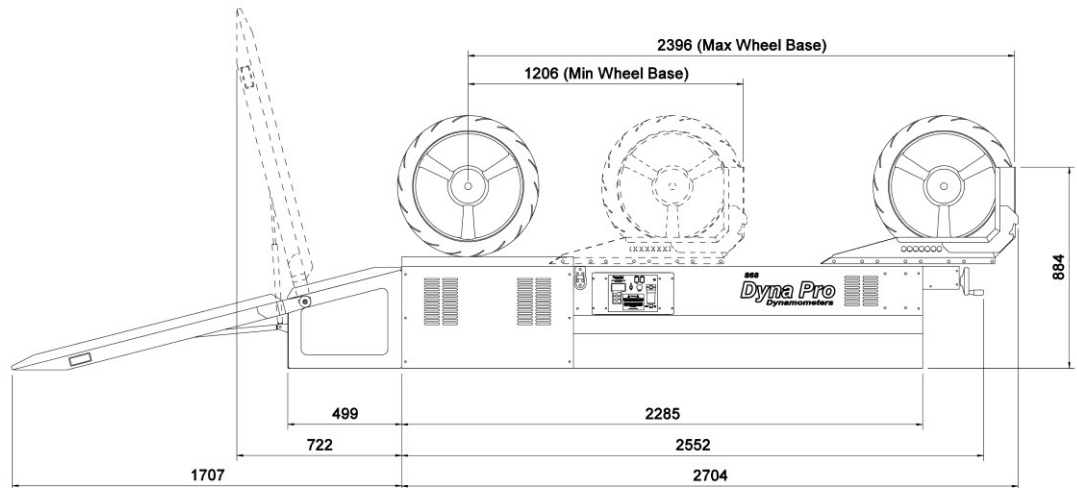
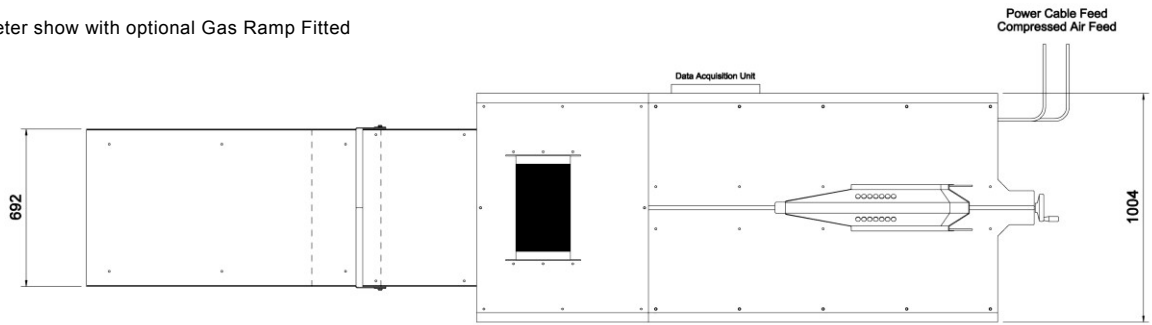
- Dyna Run V3 Advanced Windows Software (Software Upgrades Free for life).
- Dynamometer to PC USB Link
- Multi Function Remote Hand Controller.
- Intelligent Ignition Pick-up™ system fitted as standard. (Primary and Secondary)
- Starter System fitted as standard (Also used to calibrate Dynamometer).
- Air Brake System (With emergency lock-down in the event of power failure.)
- 12 Auxiliary 0-5 Volt Data Acquisition Inputs, for connection to additional sensors.
- Machine Construction from 3, 5 & 10mm Precision Laser Cut steel, powder coated finish, Blue & Yellow.
- Designed and Manufactured in the UK
- 1 Day Training (at Dyna Pro Works)
- 2 Year replacement parts warranty.(excluding consumables)

### Optional Accessories

- Twin Cooling Fans System (High Speed, High Pressure - Operated from Hand Control Pendant). \*\*\*
- Wideband Air Fuel System. (Single Channel, Double Channel and Quad channel). \*\*\*
- Weather Station (Temperature, Humidity, Pressure & Relative Air Density). \*\*\*
- Gas assisted Loading Ramp. \*\*\*
- Keyboard Monitor Shelf. \*\*\*
- 4 Channel Type K Thermocouple Unit.
- Eddy Brake Load Controller (Allows Static and Dynamic control).
- Ram Air simulation System (Calibrated to road speed).
- Infrared Temperature monitor (up to 500°C).
- Exhaust Extraction Kit.
- Exhaust Arms.
- Carbide Drive Roller Coating.

## Dimensions & Clearance

\*Dynamometer show with optional Gas Ramp Fitted



### Electrical

190-240Vac Single Phase  
 Max Current 20 Amps (With Fans)  
 Fuse at 20 Amps  
 2.5mm<sup>2</sup> Minimum Cable size recommended

### Air Supply

90 to 120 PSI  
 Smaller than 1CFM

Items shown \*\*\*\* above come as standard with the show package deal.

Specifications are correct at time of print, manufacturer's specification subject to change without notice.

Copyright © Dyna Pro Dynamometers Limited 2011

**Dyna Pro Dynamometers Ltd**

Unit 18, Sherrington Way, Lister Road Industrial Estate, Basingstoke, Hampshire, UK. RG22 4DQ

Tel (UK): 08000 4321 68

Tel (Int.): +44 (0)1256 363063

[www.dynapro.co.uk](http://www.dynapro.co.uk)

E-mail: [info@dynapro.co.uk](mailto:info@dynapro.co.uk)