

# CF42 Chassis Dynamometers

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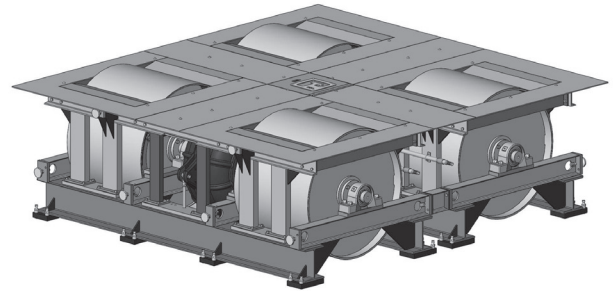
## Overview

Power Test CF42 Chassis Dynamometers use large, non-ferrous water brake load absorbers for durability and high power absorption at low speeds. The CF42 Chassis Dynamometers have been designed with reliable and repeatable testing in mind.

The CF42 Chassis Dynamometers feature:

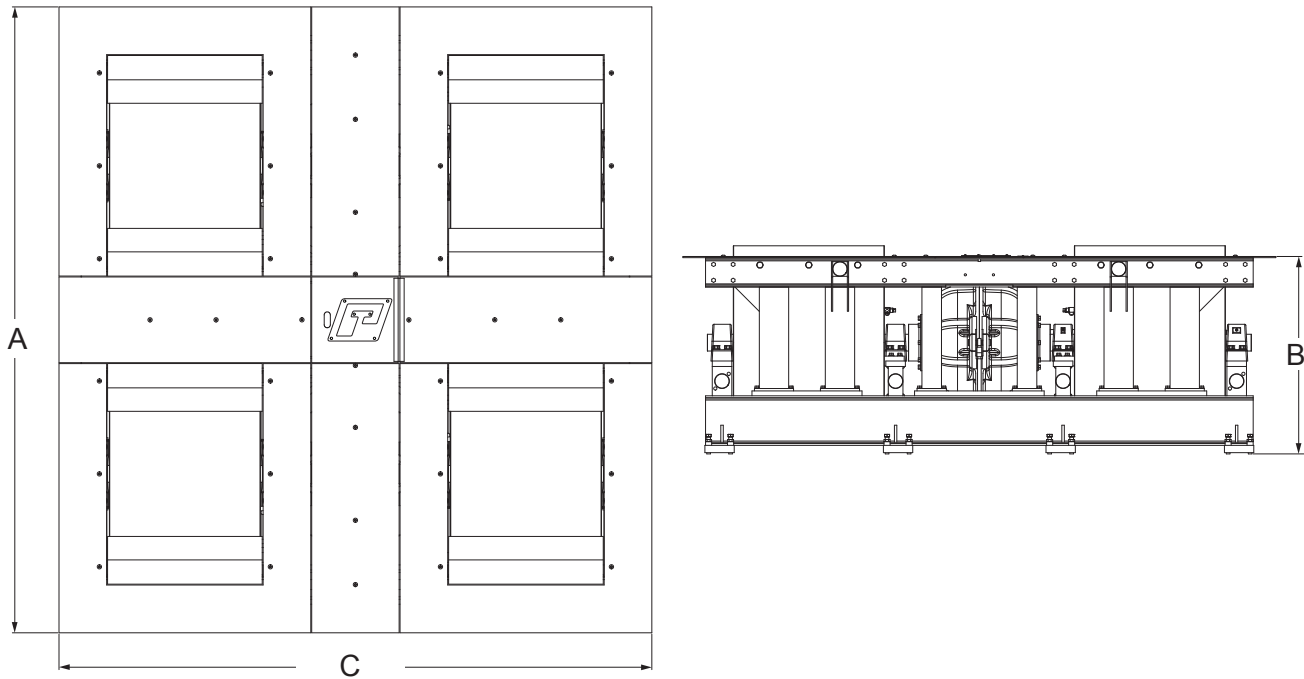
- Available in single, tandem, and multi-axle configurations.
- 40" (1016 mm) diameter, precision machined, dynamically balanced rolls.
- Accommodates tandem axle center-line variations from 48" (1219 mm) to 78" (1981 mm).
- Maximum Vehicle Speed:  
120 MPH (193 KPH) continuous.
- Maximum Power Absorption:  
1,100 HP (820 kW) tandem axle.
- Weight Capacity:  
30,000 Lbs. (13,607 kg) per axle.
- Centralized manifold simplifies lubrication maintenance and requires no tools.
- Roll Brakes:  
Pneumatically-actuated.

In addition, the PowerNet CD data acquisition and control system is designed to take chassis dynamometer testing to the next level. PowerNet CD utilizes a networked computer system to provide automated, repeatable vehicle tests - all controlled from a wireless hand held device that can be operated right from the driver's seat!



*CF42 Chassis Dynamometer - Tandem Axle shown*

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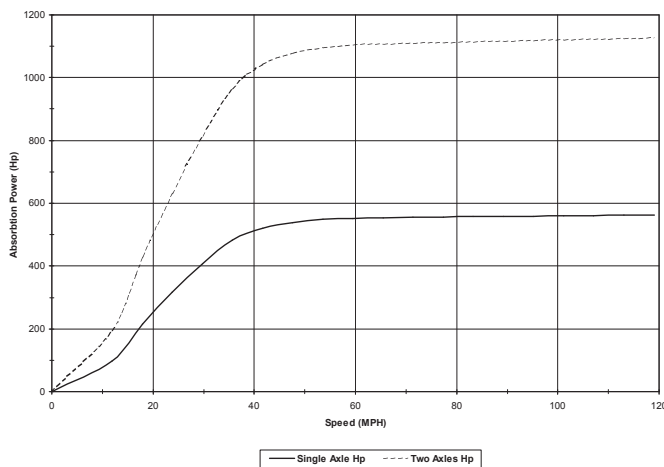


CF42 Chassis Dynamometer - Tandem Axle shown

Description	Part #	Dimensions* - inches (mm)			Weight lbs (kg)
		A	B**	C	
CF42 Single Axle	71122.1	65 (1,651)	40 3/8 (1,026)	121 1/4 (3,080)	10,000 (4,536)
CF42 Tandem Axle	71122.2	128 (2,543)	40 3/8 (1,026)	121 1/4 (3,080)	18,000 (8,165)

\* Dimensions shown are for reference only, refer to appropriate Power Test room layout drawings.

\*\* Required Pit Depth.



SPEED		1 AXLE		2 AXLES	
MPH	Km/H	Hp	Kw	Hp	Kw
0	0	0	0	0	0
10	16	38	28	76	57
20	32	256	191	512	382
30	48	416	310	832	620
40	64	508	379	1016	758
50	80	546	407	1092	814
60	97	552	412	1104	823
80	129	555	414	1110	828
100	161	560	418	1120	835
120	193	563	420	1126	840

Power Test, Inc. manufactures a wide range of standard and custom chassis dynamometers. For absorption characteristics other than those shown, please contact your Power Test representative.



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# CF42 Chassis Dynamometers

## Typical Chassis Dynamometer Room Layout

- Refer to applicable Power Test room layout drawings. Layout shown is for reference only.
- Power Test partners with our customers to develop a customized room layout, contact your Power Test representative for assistants in developing your test cell.

