



Model 700
Hydraulic Component Test Stand
www.powertestdyno.com

Model 700 Hydraulic Component Test Stand

New from AIDCO and the innovative engineers at Power Test, is the Model 700 Hydraulic Component Test Stand (HCTS). Designed to test heavy-duty, off-highway, closed or open loop pumps, the 700 gives you the capacity to confidently and efficiently verify the quality of your work. Test new or rebuilt pumps, motors, valves, and cylinders independently, and communicate their quality to your customers with the help of PowerNet TD, data acquisition software for transmission and hydraulic systems.



Testing individual components used to be a time consuming, inefficient task. Even more so if you had to design your own test bench. The testing experts at Power Test solve these issues with the clean, quiet, electric hydraulic component test stand. The Model 700 HCTS is tailored specifically to provide capacity for efficient continuous-duty pump performance verification, quality assurance, and component certification. With the Hydraulic Component Test Stand, Power Test has delivered a product to Make Your Testing Easy.

CAPABLE OF TESTING:

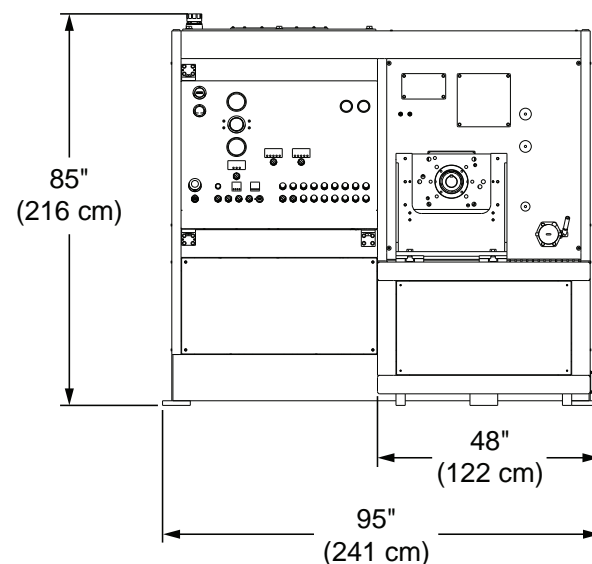
Gear Pumps	Motors (as pumps)
Vane Pumps	Hydraulic Cylinders
Hydrostatic Pumps	Valves (Various)

FOR PARAMETERS:

Flow	Case Leaks	Vibrations
Pressure	Case Drain Rate	Noise
Load	External Leakage	Input Torque

Features of the Model 700

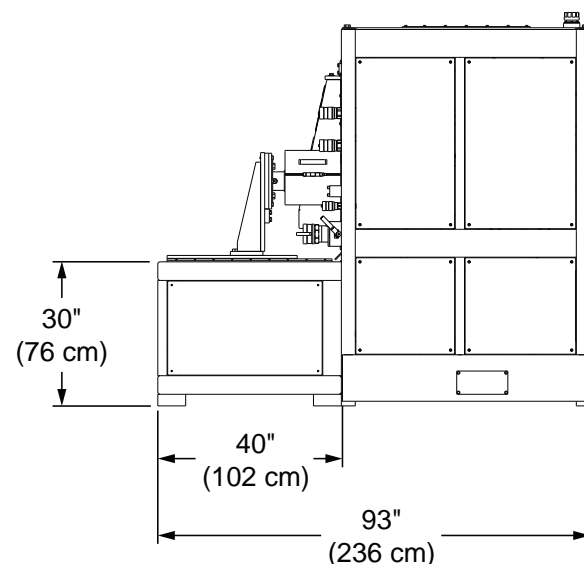
- Convenient work height with adjustable mounting track
- Multiple safety shield options (Shield, adjustable boom, fully enclosed)
- 100, 200 or 300 HP output drive motor options available
- Variable Frequency Drive (VFD) controlled output drive motor
- Drive speed is controlled from a single potentiometer for simplified operator control
- Provides closed loop speed, and load control to the component under test
- 200 gallon (605 L) hydraulic oil reservoir with supply pump for oil supply circuits
- Two (2) pressure taps monitor pressures within the component under test
- Equipped with loadable diagnostic flow loop
- Optional internal manifold rectifier block for testing closed loop pumps is available



Designed for Dedicated Hydraulic Rebuild Operations

While many AIDCO customers are familiar with the benefits of the 850 and 900 Series Hydraulic test centers, the purchase of transmission testing features were often unnecessary at dedicated hydraulic facilities. With the 700 HCTS, you can quickly, completely, and demonstrably, verify the quality of your hydraulic components, without paying for the additional capabilities of a larger system.

The Model 700 is flexible enough to accommodate your specific testing needs. Whether you're aiming for greater flexibility in closed loop systems, or have stringent safety requirements, the engineers at Power Test can meet your needs.



Benefits of the Model 700

- Removes the testing bottleneck that can occur with dual purpose test stands
- Avoid the cost of engineering and installing your own hydraulic test system
- Offers continuous testing at rated outputs w/ increased capacity for short durations
- Supplement the testing capacity of your existing equipment
- Remotely located electrical control box allows for flexible facility design
- VFD allows for maximum control of flow, speed, and load
- Hydraulic oil reservoir allows for convenient testing of large pressurized oil circuits
- Cleaner and quieter than diesel and hydrostatic drive systems

Hydraulic Component Test Stand Specifications



Model 700 Hydraulic Component Test Stand Specifications		
Electric	Power Capability	Voltage Options
	100HP / 75kW	@460V 60Hz *Also available at 380V 50Hz
	200HP / 150 kW	
300HP / 225kW		
Max. Input Torque	100 HP Test Stands	294 Lb-ft. (399 N-m) up to 1,785 RPM
	200 HP Test Stands	588 Lb-ft. (789 N-m) up to 1,785 RPM
	300 HP Test Stands	883 Lb-ft. (1,197 N-m) up to 1,785 RPM
Diagnostic Flow Loops	Loadable	100 GPM 0-100 GPM (0-378 L/min), 0-6,000 PSI (41,369 kPa) flow loop with manual load valve and 6,000 PSI (41,369 kPa) gauge for monitoring pressure.

PowerNet TD Data Acquisition and Control System is available for all AIDCO Test Stands.

Data Acquisition and Control Systems

The Model 700 Hydraulic Component Test Stand can be purchased with the newest version of PowerNet TD for reliable data acquisition and control – offering automated test patterns, flexibility in the test monitor display and printed reports.

PowerNet TD makes it easy to monitor and record speeds, torques, pressures, temperatures and flow rates during manual and automatic testing, and create professional data reports - *PROOF* that your high-quality work is worth the price and *PEACE OF MIND* that your customers will be happy.



Power Test - Your Full Service Manufacturer

AIDCO manufactures a wide range of hydraulic and transmission testing equipment, including electronic shift consoles, valve body test stands, and hydraulic test centers.



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