



## Air-Cooled, Eddy Current Load Stand Hydraulic Test Center



### Extension Table

- offers a place to store the load stand when not in use, allowing access to the worktable.
- allows for loading of transmissions that extend past the end of the worktable.

Overhead lift capable

Worktable

The Air-Cooled, Eddy Current Load Stand allows for the output of Transmissions, Torque Converters, Torque Converter/Transmission Combinations and Hydraulic Motors to be loaded.

**Transmissions** - while shifting, the eddy current loading function can load the output shaft as opposed to an unloaded shaft. This simulates more closely the actual condition as if installed in a machine.

**Torque Converters** - before spinning, the stall brake is applied then the stall torque can be measured as the input shaft speed is increased.

**Torque Converter/Transmission Combinations** - see the above tests that can be performed.

**Hydraulic Motors** - while motor is spinning, the eddy current loading function can load the motor. Before spinning, the stall brake is applied and the stall torque can be measured while pressurizing the motor.

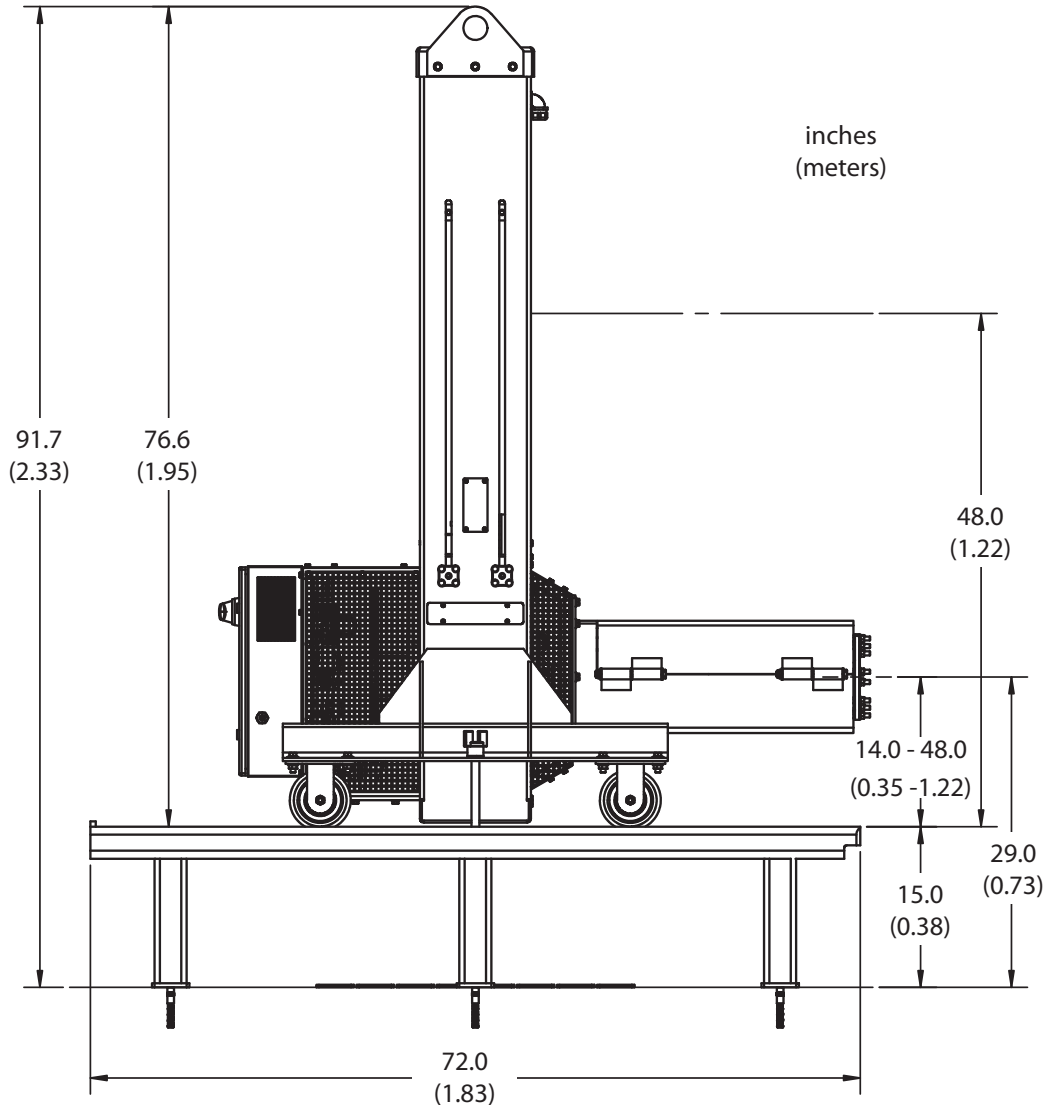
The Load Stand is vertically adjustable, travels in and out in relation to the driveline on the Hydraulic Test Center (HTC) Worktable and stores out of the way, on the Extension Table, when not in use. The eddy current loading function can be applied at any rpm. The stall brake is a static brake designed to be applied at zero RPM.

### Specifications

Peak Torque: 1,350 lb-ft (1,830 Nm)  
Continuous: 25 (min)  
Power 58 hp (43 kW)  
Torque: 553 lb-ft (750 Nm)  
RPM: 550  
Stall Torque: 3,400 lb-ft (4,609 Nm)  
Maximum RPM: 3,400  
Vertical Travel: 14 to 48 in. (0.35 -1.22 m)

### Includes

- Driveshaft guard
- 1710 driveshaft
- Calibration arm
- Extension table
- Sensor box harness (internal to HTC)
- Cables (from load stand to sensor box on HTC)



## Items Needed to Operate (Supplied by the Customer)

Equipment: Hydraulic Test Center (HTC)

Tooling: (Adapters) to output shaft of component under test

Facility:

- Electrical
  - Power and outlet: 200-240 VAC 20 amp 50/60 Hz
  - Load Stand power cord (rated above) to wall outlet (compatible with hydraulic oil)
- Compressed Air requirements for stall brake
  - 90 psi (6.2 bar)
  - 1/4 in. (6.35 mm) female NPT port size
  - Hose assembly with quick disconnects  $\geq 1/4$  in. (6.35 mm) from a facility connection or from HTC air connections on drive tower

*Everything you need to succeed*



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