



Actual products may differ  
from images shown



### Precise Control

Through variable frequency  
drive controller



### Extreme Versatility

To accommodate  
other motor sizes

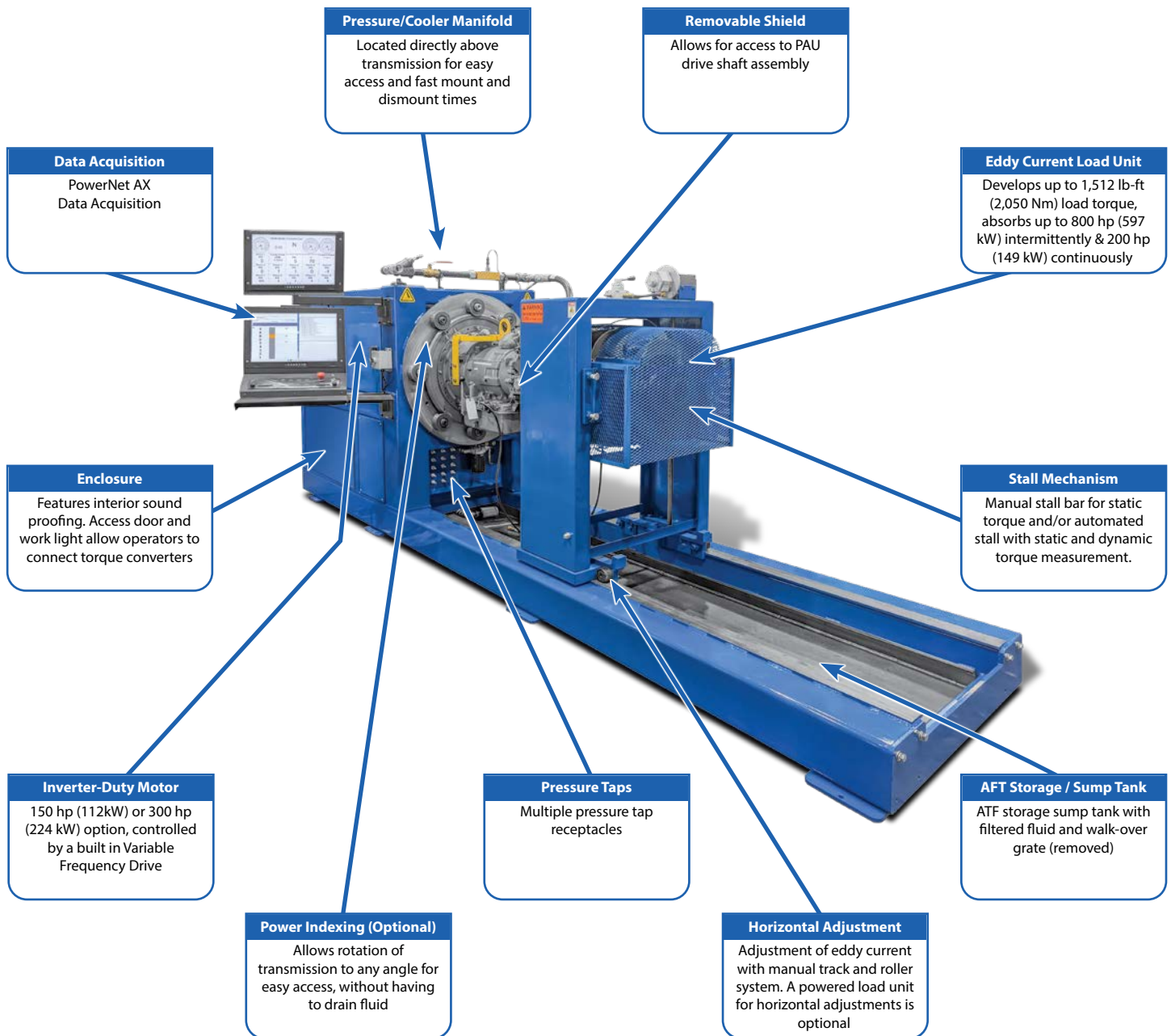


### AC Electric Motor

Multiple power options  
depending on your need

## Features

- Designed for heavy-duty transmissions, including all in-line, v-drive and angle drive configurations
  - » Some transmissions it can cover: Allison, Voith, ZF, Funk, Eaton, Ford, GM, Chrysler, and Others
  - » Optional ATF cooler and Eddy load unit shuttle
- Comes standard with 150 hp (112 kW) or 300 hp (224 kW) direct drive AC Electric motor
  - » Controlled by a precise, variable frequency drive controller
- Dynamic load control via an air-cooled eddy current load unit
- Eddy Load Unit absorbs up to 800 hp (597 kW) intermittently and 200 hp (149 kW) continuously
- Compatible with PowerNet Data Acquisition and Control



## Capable of Testing

- All gears – planetary, sun, etc.
- Mechanical noise
- Hot and cold testing
- All available pressure ports
- Shift points
- Pump capacity and flow pressure
- Leaks – internal, external
- Stall speed – forward, reverse
- Throttle valve pressure
- Automatic and manual up/downshift
- Vacuum pressure modulator
- Solenoid functions
- Converter – lockup and non-lockup types
- Output and internal loading

## Specifications

	150 hp (112 kW) Educt	300 hp (224 kW) Educt
<b>Power Requirements</b>	460/380 VAC, 60/50 Hz	
<b>Air Requirements</b>	0.5 in (12.8 mm) lines, 100 psi (689 kPa) minimum	
<b>Weight</b>	6,000 lb (2,722 kg)	6,500 lb (2,948 kg)
<b>Dimensions (L x W x H)</b>	171 x 55 x 74 in (442 x 140 x 188 cm)	

## Input Drive - Specifications

	150 hp (112 kW) Educt	300 hp (224 kW) Educt
<b>Type</b>	Direct-drive AC motor	
<b>Power</b>	150 hp (112 kW)	300 hp (224 kW)
<b>Torque</b>	441 lb-ft (598 Nm)	885 lb-ft (1,200 Nm)
<b>Constant Power Range</b>	1,800 - 2,700 rpm	1,800 - 3,600 rpm
<b>Constant Torque Range</b>	435 - 1,800 rpm	360 - 1,800 rpm
<b>Maximum RPM</b>	3,600 rpm	
<b>Duty</b>	Continuous	

## Output Load Unit - Specifications

<b>Type</b>	Air Cooled Eddy Current, bi directional
<b>Inertia</b>	169.1 lb-ft <sup>2</sup> (7.12 kg-m <sup>2</sup> ) - 175 lb-ft <sup>2</sup> (7.4 kg-m <sup>2</sup> ) (with stall brake rotor)
<b>Maximum Speed</b>	5,300 rpm (4,800 rpm continuous)
<b>Maximum Dynamic Torque</b>	1,512 lb-ft (2,050 Nm)
<b>Peak Power Absorption</b>	800 hp (597 kW) intermittent, 200 hp (149 kW) continuous

## PowerNet AX Data Acquisition & Control System

PowerNet AX is designed to provide a comprehensive, easy to use data acquisition and control system. PowerNet AX utilizes a Windows-based computerized data acquisition system to monitor and record speeds, torque, pressures, temperatures, flow rates and shift events.

In addition to advanced monitoring and recording, PowerNet AX enables users to run an automated test procedure for electronically controlled transmissions through direct manipulation of speed, flow and output load. This not only ensures consistent repeatability of test procedures, but provides a record of performance parameters exhibited during a test.

Designed for ease of use, PowerNet AX allows for easy configuration of instrumentation, operator designated warnings for high/low limit and operator customized full-feature data reports. All reports are generated in a standardized Portable Document Format (PDF).



SuperFlow® is part of Power Test, LLC, an industry leader in the design, manufacture and sales of dynamometers, specialized test systems, and related data acquisition and control systems. Power Test, LLC, offers a portfolio of brands that have long been the standard bearer for quality in the testing industry. As your equipment testing partner for innovative products and comprehensive life-cycle services and support, we are dedicated to delivering an exceptional experience by offering specialized solutions to Make Your Testing Easy.

## TEST WITH THE BEST™

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Flowbenches

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Torque Converter Rebuilding Systems

Transmission Dynos

Valve Body Testers

Transmission Testers