

# SAE PTO Clutch - Application Fact Sheet

## General Information

Company Name:	Date:
Contact Name:	Title:
Address:	Division:
City, ST, Zip:	Phone: Ext.:
E-Mail:	Fax:

<b>Driving Unit, Brand / Model:*</b> _____	<b>Driven Unit, Brand / Model:*</b> _____
<input type="checkbox"/> Main <input type="checkbox"/> Electric Motor <input type="checkbox"/> Transmission <input type="checkbox"/> Auxiliary <input type="checkbox"/> Combustion Engine <input type="checkbox"/> Hydraulic Motor <input type="checkbox"/> Electric Motor <input type="checkbox"/> Other	<input type="checkbox"/> Pump <input type="checkbox"/> Compressor <input type="checkbox"/> Auger <input type="checkbox"/> Via Drive Shaft <input type="checkbox"/> Other _____ Starting Torque (Max) _____ <input type="checkbox"/> lb.-ft. <input type="checkbox"/> Nm @ _____ RPM*
If Combustion Engine: Torsional Coupling Installed: <input type="checkbox"/> Yes <input type="checkbox"/> No	Power Rating* _____ <input type="checkbox"/> HP <input type="checkbox"/> kW @ _____ RPM*
Power Rating:* _____ <input type="checkbox"/> HP <input type="checkbox"/> kW	Running Torque (Max) _____ <input type="checkbox"/> lb.-ft. <input type="checkbox"/> Nm @ _____ RPM*
Max Torque:* _____ <input type="checkbox"/> lb.-ft. <input type="checkbox"/> Nm @ _____ RPM*	If Pump: _____ GPM @ _____ PSI

**Deductions From Gross Power of Driven Unit:**  
 Fan \_\_\_\_\_     Pump 1 \_\_\_\_\_     Pump 2 \_\_\_\_\_     Other \_\_\_\_\_ = Total \_\_\_\_\_

<b>Conditions at Engagement:</b>	Engagement Frequency (Per Hour):
<input type="checkbox"/> Stationary <input type="checkbox"/> Full Load <input type="checkbox"/> Without Load	Time Engaged:
Max RPM While Engaged:	Time Disengaged:
Max RPM While Disengaged:	Period of Acceleration (Seconds):
Max RPM at Time of Engagement:	Ambient Temperature of Operating Environment _____°F _____°C
Actuation Pressure:* ____PSI ____Bar <input type="checkbox"/> Hydraulic <input type="checkbox"/> Pneumatic <input type="checkbox"/> None: Quote Power Pack Unit <input type="checkbox"/> 24 VDC <input type="checkbox"/> 12 VDC <input type="checkbox"/> 120 VAC	

**Conditions During Engagement / Load Type :**     Constant     Pulsating     Light Shock     Heavy Shock

**Clutch/Brake Mounting Requirements:\***

Lubrication     Central System \_\_\_\_\_ PSI and Back Pressure to Tank \_\_\_\_\_ PSI     Self-Contained

Case Pressure at Input or Output:  Yes \_\_\_\_\_ PSI    \_\_\_\_\_ BAR     None

Male (Input) Side Mounting Flange SAE\*     A     B     C     D     E     F     Two Bolts     Four Bolts    Other: \_\_\_\_\_

Female (Output) Side Mounting Flange SAE\*     A     B     C     D     E     F     Two Bolts     Four Bolts    Other: \_\_\_\_\_

Male (Input) Side Shaft Details\* \_\_\_\_\_

Female (Output) Side Shaft Details\* \_\_\_\_\_

Installed:  Vertically     Horizontally     Horizontally with Pitch: \_\_\_\_\_ ° MAX     Output Up     Input Up

**Machine Description / Comments / Additional Details:** \_\_\_\_\_

\_\_\_\_\_

**Commercial Data:**

Project Only     Yes     No    Quantity Required \_\_\_\_\_

Product Line     Yes     No    Annual Volume \_\_\_\_\_

Target Price Per Unit     Yes     No    If yes, indicate price \_\_\_\_\_

**Type of Proposal:**

Current Production     Yes     No    Current Brand Used: \_\_\_\_\_

Feasibility (layout drawing + target price)     Yes     No

Immediate Need     Yes     No    Target Price: \_\_\_\_\_ \$ U.S.

**Actuation Pressure:** A fixed orifice pressure regulating valve must be specified in the system to prevent over or under-pressurization of any Logan Clutch PTO. The Logan warranty does not cover clutch failure due to over or under-pressurization. The highest pressure values on Logan Sales Drawings are maximum ratings for Logan Clutches.

**Torsional Damping Devices for Logan Products:** Torsional compatibility tests rest solely with the OEM, Distributor, and End user. Logan accepts no liability for premature failure of Logan products due to Torsional Vibration or Vibratory Torque. It is the buyer's responsibility to specify this option, which can result in additional cost and increase in installation length. Logan will not accept any liability for personal injury, loss of life, damage or loss of property due to the failure of the buyer or installer to properly apply or install Logan products.

Logan Clutch Corporation reserves the right to modify product specifications and designs without notice and without incurring obligations. Torque values are based upon either wet disc packs or dry disc packs, with full contact between surfaces, depending upon the product or application. All rotating components present a potentially hazardous condition and should be guarded in accordance with OSHA requirements and other applicable laws, regulations and industrial standards. See Logan Terms and Conditions for more detail.

\*Min. Required Info

**CUSTOMER ACCEPTANCE:**

I agree that the stated specification accurately and fully describes the vehicle or system for which a Logan product is being considered.

Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date Submitted: \_\_\_\_\_ Revision Level: \_\_\_\_\_

**SUBMIT**  
 sales@loganclutch.com