Logan Clutch Corporation®
manufacturers of clutches and brake products

Application Fact Sheet
Bell Housing PTO Clutch

Tel: (440) 808-4258 www.loganclutch.com Fax: (440) 808-0003

General Information:

Company Name: _____ Date: _____

Contact Name: _____ Title: _____

Address: _____ Division: _____

City, ST, Zip: _____ Phone: _____ Ext.: _____

E-Mail: _____ Fax: _____

Application Description/Comments/Additional Details: _____

_____

Driving Unit:

Electric Motor ☐ Main

Combustion Engine ☐ Auxiliary

Hydraulic Motor ☐ Other _____

HP rating: _____

Brand/Model: _____

Max. Torque: _____ Ft.Lbs. @ _____ RPM

Driven Unit:

☐ Pump ☐ Compressor ☐ Auger

☐ Other _____

Starting Torque (max.): _____ Ft.Lbs.

HP rating: _____ @ _____ RPM

Running Torque (max.): _____ Ft.Lbs.

Conditions at Engagement:

☐ Stationary ☐ Full Load ☐ Without Load

RPM While Engaged: _____ MAX

RPM While Disengaged: _____ MAX

RPM at Time of Engagement: _____

Actuation Pressure: _____ PSI ☐ Hydraulic ☐ Pneumatic ☐ None-Quote Power Pack

Engaged Frequency: _____ Per Hour

Ambient Temperature of Operating Environment: _____ F°

Time Engaged: _____

Time Disengaged: _____

Period Of Acceleration: _____ seconds

Conditions during Engagement:

Load Type: ☐ Constant ☐ Pulsating ☐ Light Shock ☐ Heavy Shock

Clutch mounting requirements:

SAE Housing Size: _____ SAE Flywheel Size: _____ Pilot Bearing O.D. : _____

Output Configuration required Shaft / O.D., Key : _____ ☐ SAE Flange Mount Size: _____

Power Transmission through: ☐ Side Load ☐ In-Line

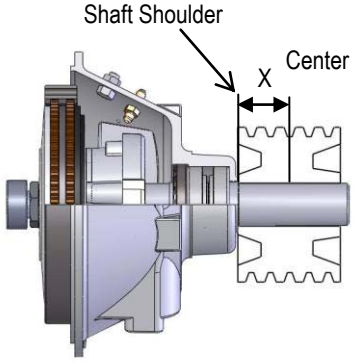
Side Load Analysis:

1) Driving Pulley/Sheave Dia : _____

2) "X" Distance (note Illustration): _____

3) Driven Pulley/Sheave Dia: _____

4) Pulley type: ☐ Chain/Gear ☐ Timing Belt ☐ V-Belt ☐ Flat Belt



5) Side Load (lbs.) = $\frac{126{,}000 \times HP}{\text{Shaft Speed RPM} \times \text{Sheave Pitch Dia (inch)}}$ x Load Factor

Load Factor:

1.0 For Chain or Gear Drive

2.5 For All v-Belts

3.5 For Flat Belts

For Reciprocating Compressors and Other Severe Shock Drives , MULTIPLY ABOVE FACTORS by 2.1

Copy to: _____ Eng.: _____ Mfg. _____ Sales