

**Application Fact Sheet - Metric  
 Bell Housing PTO Clutch**

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**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 \_\_\_\_\_  
 kW rating: \_\_\_\_\_  
 Brand/Model: \_\_\_\_\_  
 Max. Torque: \_\_\_\_\_ Nm @ \_\_\_\_\_ RPM

**Driven Unit:**

Pump  Compressor  Auger  
 Other \_\_\_\_\_  
 Starting Torque (max.): \_\_\_\_\_ Nm  
 kW rating: \_\_\_\_\_ @ \_\_\_\_\_ RPM  
 Running Torque (max.): \_\_\_\_\_ Nm

**Conditions at Engagement:**

Stationary  Full Load  Without Load  
 RPM While Engaged: \_\_\_\_\_ MAX  
 RPM While Disengaged: \_\_\_\_\_ MAX  
 RPM at Time of Engagement: \_\_\_\_\_  
 Actuation Pressure: \_\_\_\_\_ bar  Hydraulic  Pneumatic

Engaged Frequency: \_\_\_\_\_ Per Hour  
 Ambient Temperature of Operating Environment: \_\_\_\_\_ C°  
 Time Engaged: \_\_\_\_\_  
 Time Disengaged: \_\_\_\_\_  
 Period Of Acceleration: \_\_\_\_\_ seconds  
 None-Quote Power Pack

**Conditions during Engagement:**

Load Type:  Constant  Pulsating  Light Shock  Heavy Shock

**Clutch mounting requirements:**

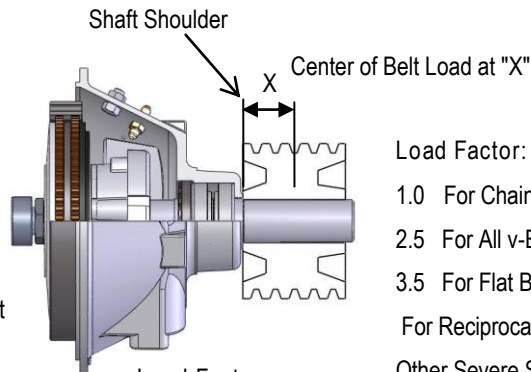
SAE Housing Size: \_\_\_\_\_ SAE Flywheel Size: \_\_\_\_\_ Pilot Bearing O.D. : \_\_\_\_\_  
 Output Configuration required Shaft / O.D., Key : \_\_\_\_\_  SAE Flange Mount Size: \_\_\_\_\_

**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 ( kg ) =  $\frac{1,945,00 \times \text{kW}}{\text{Shaft Speed (RPM)} \times \text{Pulley Pitch Diameter (mm)}} \times \text{Load Factor}$



**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