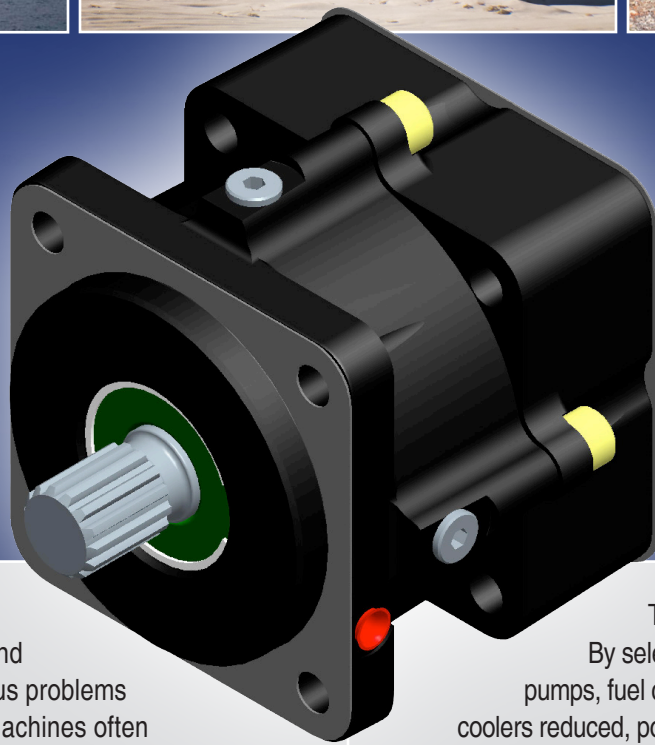


# – Ausco Hydraulic Clutches –

## Easier Cold Starts

## Better Fuel Efficiency



Heavy equipment requires numerous hydraulic circuits and pumps. This can create serious problems for start up in cold weather. Machines often require heaters or other expensive hardware to ensure that the engine can reliably turn over. We have a better solution.

Introducing the Ausco Hydraulic Clutch. This compact unit was designed specifically to allow the selective decoupling of unnecessary hydraulic pumps. This allows for automatic pump disconnect for start up for more reliable cold starting. Once warmed up, the pump can be engaged by either the operator or by an automatically controlled system.

The Ausco design also saves fuel. By selectively disconnecting unneeded pumps, fuel can be saved and heat load on the coolers reduced, potentially reducing the cooler size.

The design is compact and mounts to standard SAE mounting configurations, making it easy to integrate into your system.

For more information, contact Ausco Products at [269-926-0700](tel:269-926-0700) or visit [www.auscoproducts.com](http://www.auscoproducts.com).



[www.auscoproducts.com](http://www.auscoproducts.com) | 269-926-0700

# HYDRAULIC CLUTCH DESIGN DATA SHEET

Customer / Company Name: \_\_\_\_\_ / \_\_\_\_\_

Address: \_\_\_\_\_

City / State / Postal Code: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Country: \_\_\_\_\_

Telephone / Fax / Email: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Person Requesting Analysis / Title: \_\_\_\_\_ / \_\_\_\_\_

Application (Model # and Description or Function): \_\_\_\_\_

Existing Clutch Being Used (if Applicable) – Model # & Manufacturer: \_\_\_\_\_

Expected Annual Sales Volume – 1st year / 2nd year / 3rd year: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Vehicle Information – check if you are using  English or  Metric Numbers

Vehicle Weight (loaded & unloaded) / Engine hp / Max speed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Driving Unit (engine, hydraulic motor, etc.)

Type:  Engine  Hydraulic Motor  Other – Make and model: \_\_\_\_\_

Mounting information (SAE B, C, D, other, etc.; 2 bolt, 4 bolt): \_\_\_\_\_

Shaft Size and Configuration – spline / key: \_\_\_\_\_ / \_\_\_\_\_

Maximum Torque (in lbs @ rpm): \_\_\_\_\_ Power (hp @ rpm): \_\_\_\_\_

Driven Unit (pump, compressor, etc.)

Type:  Pump  Compressor  Other – Make and model: \_\_\_\_\_

Mounting information (SAE B, C, D, other, etc.; 2 bolt, 4 bolt): \_\_\_\_\_

Shaft Size and Configuration – spline / key: \_\_\_\_\_ / \_\_\_\_\_

Maximum Starting Torque (in lbs @ rpm): \_\_\_\_\_ Maximum Running Torque (in lb @ rpm): \_\_\_\_\_

Clutch duty cycle

Desired Engagement Speed / Torque: \_\_\_\_\_ / \_\_\_\_\_

Frequency of Engagement / Disengagement (cycles per hour): \_\_\_\_\_ / \_\_\_\_\_

Time engaged per cycle (hours) / speed while engaged: \_\_\_\_\_ / \_\_\_\_\_

Time disengaged per cycle (hours) / speed of driving unit while disengaged: \_\_\_\_\_ / \_\_\_\_\_

Expect life (hours): \_\_\_\_\_

Actuation System

Pressure (psi) during engagement / Back Pressure while clutch is disengaged: \_\_\_\_\_ / \_\_\_\_\_

Flow of Engagement Circuit (gpm): \_\_\_\_\_

Type of Fluid used for actuation: \_\_\_\_\_

Pressure (psi) in Cooling System: \_\_\_\_\_

Flow of Cooling Circuit (gpm): \_\_\_\_\_

FAX or E-mail this form to:  
auscoinfo@auscoproducts.com  
269-926-0817 (FAX)



www.auscoproducts.com | 269-926-0700