



# HYDRAULIC DRIVE PACKAGES FOR LIQUEFIED GAS PUMP MODELS

## A Single Source Solution

Blackmer supplies all the major components required for a complete hydraulic drive system. A typical packaged drive system includes a P.T.O., hydraulic pump, Hydrive cooler/controller, speed control valve, hydraulic motor, and mounting hardware.

Standard component packages have been carefully selected to provide dependable cargo pump performance with a majority of commercial transmissions. Hydraulic motor adapter kits are also available to easily retrofit existing cargo pumps for hydraulic drive operation.

## Hydraulic Drives Provide Optimum Performance and Control

Hydraulic drives make use of hydraulic oil to power rotating equipment. Blackmer hydraulic motor adapters provide close-coupled connections between the cargo pump and hydraulic motor. The Hydrive cooler/controller protects the system during cold start-up, allows for system on/off control, and provides both controlled system cooling and oil filtration monitoring. The integral on/off valve of the Hydrive control manifold keeps system heat lower than other types of systems that use ball valves. Blackmer also incorporates a speed control valve for overspeed protection into every hydraulic drive package.

## Engineered for Maximum Reliability

Blackmer hydraulic drive packages are engineered for long life and dependability. The full height of the Hydrive is used for the hydraulic oil reservoir that, in combination with an oversized 1 1/2-inch outlet, ensures full flow of oil to the hydraulic pump.

A detailed drawing is provided with every hydraulic drive package to assist in proper installation and future reference for troubleshooting or component replacement.

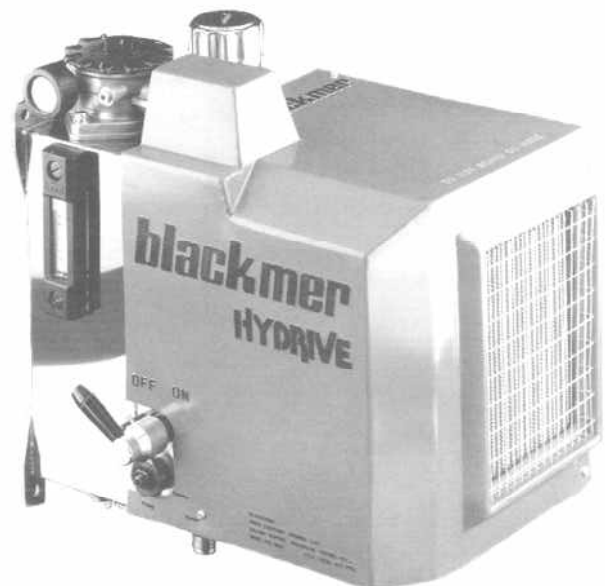
## Technical Support

Blackmer's highly trained staff is available to help you select the right hydraulic drive package for your application. If you have special requirements, Blackmer also offers custom engineered drive packages.

## Hydrive Hydraulic Cooler - Heavy-duty Performance without Extra Weight

The Hydrive has a compact design and weighs only 48 lbs. (22 kgs.), which allows for greater payloads. It has many heavy-duty features other coolers don't have. The Hydrive is constructed with a stainless steel frame and oil reservoir. Its unique centrifugal fan directs the greatest amount of high pressure air flow to the hottest area of the radiator. Hydrive's innovative design offers up to 21 horsepower (15.75 kW) of actual heat dissipation, and sustained high efficiency that other hydraulic oil coolers can't match with axial fan designs.

Other features include a tank top oil filter and internal suction strainer that provide a higher degree of oil protection. The location of the oil filter allows for easy inspection and replacement without draining the reservoir.



# LIQUEFIED GAS PUMPS HYDRAULIC DRIVE PACKAGE REQUIREMENTS

Date \_\_\_\_\_ Order Ref. No. \_\_\_\_\_ End User \_\_\_\_\_  
Name \_\_\_\_\_ Company \_\_\_\_\_  
Title \_\_\_\_\_ Address \_\_\_\_\_  
Phone \_\_\_\_\_ City \_\_\_\_\_  
Fax \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Pump Model \_\_\_\_\_  
New Purchase \_\_\_\_\_ or Retrofit Current Pump \_\_\_\_\_  
No. of Pumps per Package\* \_\_\_\_\_ No. of Packages Required \_\_\_\_\_  
Fluid(s) \_\_\_\_\_ Pump Speed \_\_\_\_\_  
Flowrate \_\_\_\_\_ Variable Speed Required \_\_\_\_\_  
Differential Pressure \_\_\_\_\_ Optimum Engine Idle Speed \_\_\_\_\_  
Manufacturer/Model Transmission \_\_\_\_\_

\* Please specify if more than one pump is to operate at same time.

Define any customer supplied equipment and its operating limits (flow, pressure, etc.): \_\_\_\_\_

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## HARDWARE REQUIREMENTS

- New Blackmer Cargo Pump with Hydraulic Motor Adapter and Coupling
- Hydraulic Motor Adapter and Coupling for Current Pump      Pump Model: \_\_\_\_\_
- Hydraulic Motor
- Hydrive Hydraulic Cooler  
Includes: Built-in On/Off valve, system sensitive pilot operated relief valve, 1.5" NPT suction connection to hydraulic pump, centrifugal fan with independent bearing housing, tank top return filter with built-in bypass, suction filter, temperature and oil level sight gauge, stainless steel construction, 48 lbs. (22 kgs.) dry weight.
- Hydraulic Pump
- PTO (Air Shift Engagement)
- Selector Valve
- Flow Control Valve
- Directional Control Valve

Additional Controls or Sensors Required: \_\_\_\_\_

Comments: \_\_\_\_\_

