

KLUTCHMASTER MANUAL CLUTCH

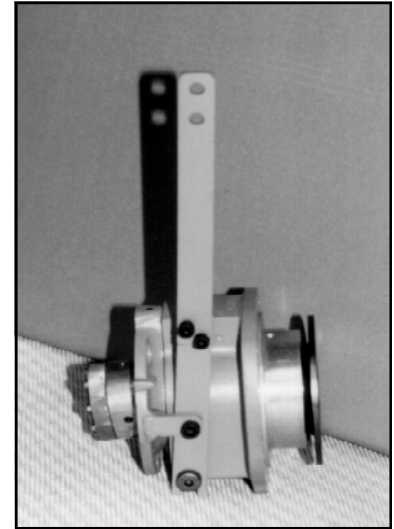
PTO HYDRAULIC PUMP DRIVE

When ordering specify shaft size of pump:

TB Pumps, Specify 3/4" shaft - **ITEM NUMBER HYDKL 3/4**

TC Pumps, Specify 1" dia. shaft - **ITEM NUMBER HYDKL 1**

PRICE: \$ 1,340.00



GENERAL INFORMATION

APPLICATIONS: The **KLUTCH MASTER** unit provides a most economical and dependable means of driving hydraulic pumps to power anchor winches, salmon and tuna girdies, net reels, crab and halibut gear in commercial and sport fishing vessels.

LOW INITIAL COST: The bolt-on simplicity of the **KLUTCH MASTER** brings the cost of this unit down to as little as one-quarter of front-mounted clutch type PTO's - even less than the widely used multiple-sheave belt drive units with their special pump mount requirements.

DEPENDABLE: The **KLUTCH MASTER** is rated and recommended for continuous duty at up to 10 H.P.; or up to 1 hour at 15 H.P. output. It has been tested continuously for 8 hours at 38 H.P. with no wear or damage evident on inspection. This test is equivalent to 38 GPM at 1500 PSI.

POSITIVE DRIVE: There is no slippage with **KLUTCH MASTER** - none of the problems of belt-driven units that can slip and burn when the need is greatest. More important, the **KLUTCH MASTER** has a unique double universal joint coupling which **completely eliminates destructive radial and axial loads** on pump and engine bearings. No chain or belt driven unit can offer this kind of protection.

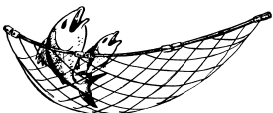
QUICK ENGINE-DISENGAGE: The clutch feature of the **KLUTCH MASTER** permits the pump to be disengaged at any time so that the full engine RPM can be applied for fast running. Power is not wasted pumping unneeded hydraulic fluid, generating heat and imposing undue wear on the pump and oil seals. This feature also eliminates need for extra large reservoirs and hydraulic lines that are required for fixed-drive systems. **KLUTCH MASTER** is readily engaged with engine at idle speed. It engages smoothly by employing friction to bring pump speed up to engine speed before the pins slip into engagement.

EASY INSTALLATION: The **KLUTCH MASTER** can be normally installed in less than 30 minutes. It is especially designed to accommodate the Gresen pump because the output of this pump can be readily and inexpensively changed to suit individual requirements. It will also fit a large number of other pumps without modification, such as Cessna, Delta and Vickers. Others require only minor modification. The **KLUTCH MASTER** fits all series of GMC diesel engines. The **KLUTCH MASTER** design permits mounting of the pump to either side of the engine. The shift lever may be mounted to either side of the unit for manual or remote control operation. Installation is simple:

- 1). Bolt pump to **KLUTCH MASTER**
- 2). Remove gear cover
- 3). Bolt drive plate to engine gear
- 4). Bolt unit to engine

Complete instructions are provided with each **KLUTCH MASTER**.

COMPACT: The **KLUTCH MASTER** and pump fit readily into space over the engine reduction gear - space which is otherwise wasted. It eliminates problems belt and chain drive units pose in locating space to hang the pump and support an extra shaft bearing.



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Please visit our website located at <http://www.atagulf.com> for current pricing and information.

