

GENUINE **METARIS**

PRODUCTS FOR THE TRUCKING INDUSTRY

- **POWER TAKE OFF UNITS AND COMPONENTS,**
- **HYDRAULIC PUMPS • GEAR, VANE & PISTON PUMPS**
- **DUMP PUMPS • UNLOADER PUMPS**
AND MUCH MORE...

ALL ITEMS ARE METARIS MANUFACTURED. OEM PART#'S ARE DISPLAYED FOR REFERENCE PURPOSES ONLY



POWER TAKE OFF UNITS



MH6 SERIES

The MH6 series PTO has been designed to work with most of the existing transmissions in the market. It is a very durable PTO with a wide range of input gears, shifters, speed ratios and output shafts to meet market applications.

Internal Ratio	(B)	(C)	(E)	(J)	(O)	(R)	(S)	(T)
Torque Intermittent Service (LB.FT.)	250	250	225	225	200	200	190	175
Power 1,000 r.p.m. Intermittent Service (HP)	49	49	44	44	39	39	37	34

MH8 SERIES

The Metaris MH8 PTO is our MH6 PTO with the ability to mount on the 8 Bolt Transmission opening. This design uses no adapter plates and cuts down on leaks and installation time. It has an "A" ratio that is not offered in the MH6 model. It is a very durable PTO with a wide range of input gears, Shifters, speed ratios and output shafts to meet market applications.



Internal Ratio	(A)	(B)	(C)	(E)	(J)	(O)	(R)	(S)	(T)
Torque Intermittent Service (LB.FT.)	250	250	250	225	225	200	200	190	175
Power 1,000 r.p.m. Intermittent Service (HP)	49	49	49	44	44	39	39	37	34



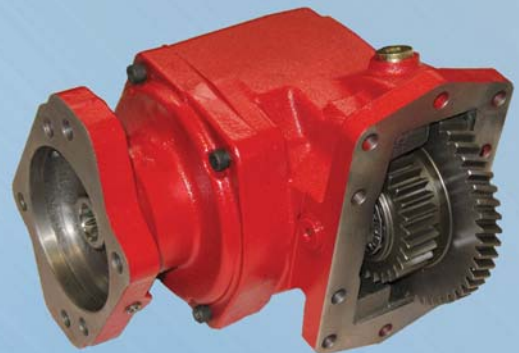
MHD8 SERIES

The MHD8 series PTO has been designed for heavy duty applications and is very compact. It is available with standard internal ratios and several types of output options.

Internal Ratio	(B)	(C)	(E)	(E)	(O)
Torque Intermittent Service (LB.FT.)	420	420	420	350	325
Power 1,000 r.p.m. Intermittent Service (HP)	80	80	80	67	62

MHS10 SERIES

The MHS10 series Hot Shift PTO is a standard PTO for the 10 bolt World Allison Transmission. This Hot Shift offers 5 different ratios and 5 different outputs to meet your needs. It is a robust PTO that offers shift on the fly capabilities.



Internal Ratio	(B)	(D)	(G)	(M)	(S)
Torque Intermittent Service (LB.FT.)	353	325	300	265	250
Power 1,000 r.p.m. Intermittent Service (HP)	64	62	57	50	48

POWER TAKE-OFF UNIT ACCESSORIES



CONTROL TOWERS 8", 10" & 12"

Metaris Control Towers come in 8", 10" and 12" heights. Their base dimensions are 4 ½" x 5" to center of the bolt holes. These towers will accommodate our current dual controllers and our single controller with an MH102X adapter kit. These towers are made of sturdy steel construction.

AIR CONTROLLERS

Metaris offers single and dual controllers. The single controller operates the engagement and disengagement of the PTO. The dual controller operates the engagement and disengagement of both the PTO and the pump. Our dual controllers are available with and without the kick-out option.



FEATHERING VALVE

Metaris now offers a MH787F valve which is a more defined 3 position 4 way feathering valve. This valve features precise control and feathering while dumping a load of stone or asphalt. It comes with a heavy duty body and control lever. It is also equipped with a safety lockout device to prevent unintentional lever movement. Metaris also has available an installation kit for our 8", 10" and 12" towers.

SHIFTERS – AIR, WIRE & LEVER

Metaris has 3 shifter choices to select from. Both the air, wire and lever PTO shifters utilize a steel fork for durability and strength. All shifters are very compact for close installation areas.



HYDRAULIC TANKS & HOSE KITS

Metaris tank options include Polyethylene Upright, Steel and Aluminum Upright and Steel and Aluminum Saddle Mount. Available in the most popular gallon sizes and includes all mounting hardware. Hose kits are available in 8 different setup configurations.

DUMP PUMP BRACKETS

Metaris pump bracket support kits (PBK-1000) are designed to prevent hydraulic pumps from distributing too much hanging weight on the PTO flange. It also assists in stabilizing the yawing action (Twisting force) from the pump on start up and puts less stress on the PTO and transmission.

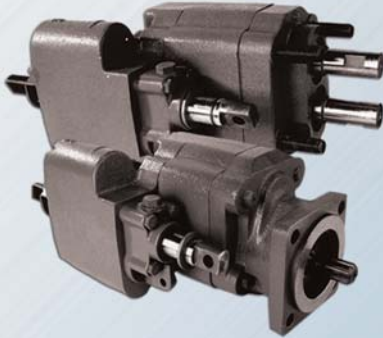


ADAPTER - GEAR ASSEMBLIES

Metaris provides adapter gears to make it possible to work around transmission and frame interference. Adapter gear assemblies also serve as a way to reverse PTO output shaft rotation.

METARIS PUMPS FOR THE TRUCKING INDUSTRY

DUMP PUMPS



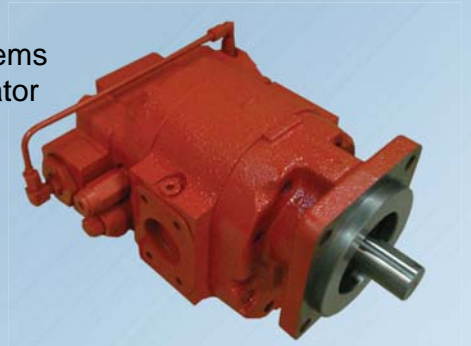
Metaris Dump Pumps are rugged, reliable and interchangeable with many popular brands. Available in MHC101, MHC102, MHG101 and MHG 102 styles.

- Available in 2" and 2 ½" gear sizes
- Dowelled ductile housing for higher pressure
- Airshifter option
- Improved wear life and durability

UNLOADER PUMPS

Metaris Unloader Pumps can be retrofitted onto existing packer systems without major system changes. Our Unloader Pumps allow the operator to pack on the run while operating in residential areas.

- Continuous oil circulation
- Activates from a remote switch in cab
- Reliable 12 volt controls.



DRY VALVE PUMPS



Metaris MDV Dry Valve Pumps are ideal for refuse packers, snow and ice equipment and other mobile applications. The MDV pump can reduce fuel costs and operator fatigue by eliminating the need for stopping and starting the vehicle to engage and dis-engage the PTO. Available in both the MH51 & MH76 Series.

MHP51 WIDE BODY PUMPS

The Metaris MHP51 gear pump is well suited for a variety of applications including: utility line trucks, refuse equipment, snow/ice control, low boys, transfer/live floor trailers and any heavy duty equipment.

- Cast iron construction
- Versatile 4-port design
- Heavy duty/high speed control bearings
- Available in 4.46 to 6.38 cubic inch sizes
- Continuous high flow delivery



ML WALKING FLOOR PUMPS



The Metaris ML series and MK series gear pumps are well suited for a variety of applications including: utility line trucks, refuse equipment, snow/ice control, low boys, transfer/live floor trailers and any heavy duty equipment.

- Cast iron construction
- Versatile 4-port design
- Heavy duty/high speed roller bearings
- Available in .99 to 6.38 cubic inch sizes

V10/V20 STEERING PUMPS

These vane pumps, F & NF and P configurations, ideally used for steering systems and applications where priority control flow and relief protection are required.

- Cast iron construction
- Heavy duty/high speed bearings
- Capacity form 1-13 gpm



WFD2.0 HEAVY DUTY DUMP / WALKING FLOOR PUMP



Dual pressure pump 2000 psi for dump bodies 3000 psi for live floor trailers. Pressure switching is controlled from the air supply of the truck.

- Continuous duty operation
- Dowelled construction
- 37 gpm @ 1800 rpm
- Heavy duty roller bearing construction
- Standard with air shift and mounting hardware

BUSHING & BEARING PUMPS

Metaris Bushing & Bearing pumps and motors are well suited for a variety of applications.

- Cast iron construction
- Pressure ranges up to 3500 psi
- 14 models of motors and pumps to choose from
- Piggyback pumps available



OPEN LOOP PISTON PUMPS

Metaris MA10VO pumps are variable displacement axial piston pumps designed for open loop hydraulic systems.

- Cast iron construction
- Continuous operation at 4000 psi
- Long service Life/Low noise levels
- Heavy duty bearings and shafts



Replacement pump for "walking floor" systems, a registered trademark not owned by or affiliated with Metaris.



METARIS BRAND REPLACEMENT PARTS

Our extensive inventory assures you of prompt shipping of pumps and parts anywhere in the world.

Our parts are 100% interchangeable with OEM products. We are committed to high quality, zero defects.

Whatever your application, Metaris has a high quality replacement product backed by our 100% commitment to service.

YOUR SOURCE FOR HIGH QUALITY PISTON, GEAR, VANE & PTO PRODUCTS



Based in Toronto Canada with operations in Forest Mississippi, Metaris is a leading supplier of Vane, Gear and Piston pumps and Components.

Metaris operates distribution centres in Europe and the Far East and has sales offices throughout the world.

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