

Liquid Fertilizer Pumps



Series 9303 Hydraulic Motor Drive

Hypro centrifugal pumps are designed for agricultural and industrial spraying and transfer of a variety of fluids: water, insecticides, herbicides, wettable powders, emulsives, liquid fertilizers, etc.

Hypro Series 9300 hydraulic motor-driven centrifugal pumps provide smooth performance. They can be conveniently mounted on the tractor or sprayer, becoming part of the vehicle's hydraulic system and freeing the PTO for other uses. The Hypro "close-coupled" design reduces the mounting space required, eliminating long shafts and couplers between the pump and motor.

The broad, versatile line includes models with rugged housings of cast iron and stainless steel that stand up to strong chemical herbicides. Stainless steel pumps are ideal for use with Roundup® or other acid applications.

The series includes models 9303C-HM1C, 9303S-HM1C, 9303C-HM2C, 9303S-HM2C, 9303C-HM3C, 9303S-HM4C, 9303C-HM5C and 9303S-HM5C.

STANDARD FEATURES:

- Max. flow: 97-147 gpm/367 lpm (free flow)
 - HM1C: 114 gpm/432 lpm
- Max. fluid temperature: 140°F/60°C
- Hydraulic motor drive (for open and closed center systems)
- Housing: cast iron or stainless steel
- Port sizes: 1 1/2" NPT inlet, 1 1/4" NPT outlet
- Impeller: Cast Iron models - glass filled nylon; Stainless Steel models - polypropylene

- Pump seals: Cast Iron Models - Viton/ceramic are standard; Stainless Steel models - Life Guard™ silicon carbide (Buna-N/ceramic and Viton/ silicon carbide are available)
- Weight: 26 lbs./11.8 kg.
- Motor capacities: 4 - 24 gpm/15.1 - 90.8 lpm
 - HM1C: 9 - 14 gpm/34 - 53 lpm
- Max. motor psi: 2000 continuous duty, 2200 intermittent duty
- Hydraulic ports: 1/2" NPT
- Hydraulic motor seal: double-lip Teflon
- Hydraulic pump port size, 1/2" inlet, 3/4" return line

Hydraulic Driven Centrifugal Pump

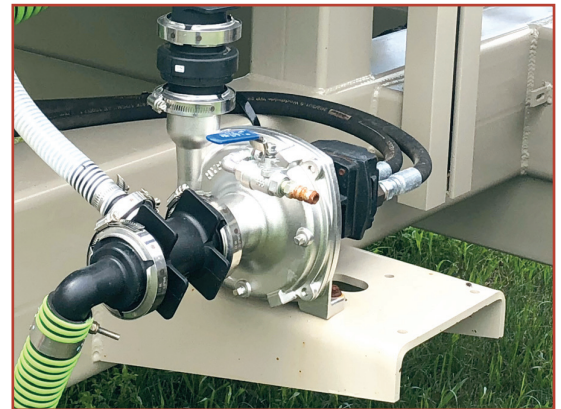
DESCRIPTION	Part #
Hypro Hyd. Driven Pump - stainless (use with fertilizer)	HY9303SHM1C
Hypro Hyd. Driven Pump Stainless - Flanged Style	HY9303SHM1CU
Hypro Hyd. Pump, (ag chemical) cast body	HY9303CHM1C
Hydraulic motor only	HY25400806C
Hydraulic motor repair kit	HY34300748
Pump Seal Kit	HY34300589
Hydraulic motor repair kit (new)	HY34300881

Hydraulic Driven Centrifugal Pump Servicing

DESCRIPTION	Part #
Pump side repair only (includes labour and kit)	HYBASIS
Hyd. Motor and pump repair (labour and kits)	HYCOMPLETE

Centrifugal Pump Air Bleed Off Parts

DESCRIPTION	Part #
1/8" Nipple	FTNIP018SS
1/4" Street Elbow	FTSL02590SS
1/8" to 1/4" Bushing	FTRB025018SS
1/4" Valve	FTV025FPSS
1/4" Hose barb	BAHB025



To view the pump manual visit our website/resource or:

Quick View: [Hypro 9300 series](#)