

Threaded Hydraulic Drive Centrifugal Pumps 9303 & 9306 Series • Cast Iron • Stainless

Features:

- Available in Cast Iron & 316 Stainless Steel
- Hydraulic Motor Drive (for open center, closed center & load-sensing systems)
- 1-1/2" NPT Inlet, 1-1/4" NPT Outlet or 2" x 1-1/2"
- Temperatures to 140° F.
- Impeller: Cast Iron Models are Nylon & Stainless Steel Models are Polypropylene
- Hydraulic Motor is Internal Gear Gerotor
- Cast Iron Models have Viton®/Ceramic Seals & Stainless Steel Models have Life Guard® Silicon Carbide Seals
- Maximum Motor PSI is 3000

HYPRO®



Order Information

Model #	Max. GPM	Max. PSI	Max. Hyd. GPM	Hydraulic Selection System
9303-HM1	114	130	13 GPM	Open/Closed
9303-HM2	97	95	6 GPM	Open/Closed
9303-HM3	125	98	24 GPM	Open/Closed
9303-HM4	115	93	7 GPM	Open/Closed
9303-HM5	147	145	16 GPM	Open/Closed
9306-HM1	207	130	13 GPM	Open/Closed
9306-HM3	214	135	24 GPM	Open/Closed
9306-HM5	212	140	17 GPM	Open/Closed
3430-0332	Seal and O-ring Repair Kit			
3430-0589	Life Guard® Silicon Carbide Seal Kit			

Cast Iron Threaded Connection - Viton® Seals

Part No.	Material	Size	Wt./Lbs.
HY 9303C-HM1	Cast Iron	1-1/2" x 1-1/4"	26
HY 9303C-HM2	Cast Iron	1-1/2" x 1-1/4"	26
HY 9303C-HM3	Cast Iron	1-1/2" x 1-1/4"	26
HY 9303C-HM4	Cast Iron	1-1/2" x 1-1/4"	28
HY 9303C-HM5	Cast Iron	1-1/2" x 1-1/4"	26
HY 9306CHM1C	Cast Iron	2" x 1-1/2"	33
HY 9306CHM5C	Cast Iron	2" x 1-1/2"	33
HY 9306CHM3CB	* Cast Iron	2" x 1-1/2"	32
HY 9306CHM5CB	* Cast Iron	2" x 1-1/2"	32

* Silicon-Carbide Seals.

Stainless Steel Threaded Connection - SiilCarbide Seals

Part No.	Material	Size	Wt./Lbs.
HY 9303SHM1	Stainless	1-1/2" x 1-1/4"	38
HY 9303SHM3C	Stainless	1-1/2" x 1-1/4"	26
HY 9303SHM4	Stainless	1-1/2" x 1-1/4"	26
HY 9303SHM5	Stainless	1-1/2" x 1-1/4"	28
HY 9306SHM1C	Stainless	2" x 1-1/2"	33
HY 9306SHM3C	Stainless	2" x 1-1/2"	38

Life Guard™

Silicon Carbide Seals

Standard seal in all *Hypro* stainless centrifugal pumps. 8X life with abrasive solutions over ceramic. A run dry survivability over ceramic. This is a superior seal which will provide outstanding performance. For any pump listed with a silicon carbide seal option, add suffix B. Price adder approximately \$53 with new pumps. Seal kits include seal and o-ring.



Part No.	Silicon Carbide Seal Kits
HY 3430-0589	For 9200, 9300, 9400 Pumps
HY 3430-0590	For 9000P Pumps
HY 3430-0591	For 9000 Series Pumps
HY 3430-0593	For 9300P, 9400P, 9500P Pumps
HY 3430-0601	For 9305C Pumps Only

Flanged Hydraulic Drive Centrifugal Pumps

9303 & 9306 Series • Cast Iron • Stainless

HYPRO®

Stainless Steel

Cast Iron



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- Hydraulic Motor Drive (for open center, closed center & load-sensing systems)
- Temperatures to 140° F.
- Impeller: Cast Iron Models are Nylon & Stainless Steel Models are Polypropylene
- Hydraulic Motor is Internal Gear Gerotor
- Cast Iron Models have Viton®/Ceramic Seals & Stainless Steel Models have Life Guard® Silicon Carbide Seals
- Maximum Motor PSI is 3000
- Cast Iron Pumps are also FPT. *Performance Specifications are in chart at left.*

Cast Iron Flanged Connection - Viton® Seals

Part No.	Material	Flange Size*	Wt.
HY 9303C-HM1CU	Cast Iron	220X200	30 lbs.
HY 9303C-HM3CU	Cast Iron	220X200	26 lbs.
HY 9303C-HM5CU	Cast Iron	220X200	26 lbs.
HY 9306CHM1CU	† Cast Iron	220X220	33 lbs.
HY 9306CHM3CU	Cast Iron	220X220	38 lbs.
HY 9306CHM5C-BU	† Cast Iron	220X220	37 lbs.

* 220 x 220 = 2" x 2" Full Port. † With SC Seal.

Cast Iron & Stainless Steel Flanged Connection - SiilCarbide Seals

Part No.	Material	Flange Size*	Wt.
HY 9306C-HM1C-B3U	Cast Iron	300x220	33 lbs.
HY 9306C-HM3C-B3U	Cast Iron	300x220	33 lbs.
HY 9306C-HM5C-B3U	Cast Iron	300x220	37 lbs.
HY 9306S-HM1C-3U	Stainless	300x220	33 lbs.
HY 9306S-HM3C-3U	Stainless	300x220	33 lbs.
HY 9306S-HM5C-3U	Stainless	300x220	33 lbs.

* 300 x 220 = 3" x 2" Full Port

Accessories

Part No.	Description
HY 3430-94	Repair Kit for Hydraulic Motor on 9200...
HY 3430-0748	Repair Kit for 2500 Hyd. Motors < SN18196...
HY 3430-0881	Repair Kit for 2540 Hyd. Motors > SN18196...
HY 3430-0332	Viton™ Seal Kit for 92/93/94C1 Pumps...

Hydraulic Driven Cast Iron Pump

High Volume

9307CWS-GM12U



HYPRO®

- Port Sizes: 3" x 2" FPT or Flanged
- Silicon Carbide Seal
- Hydraulic Motor: Internal Gerotor
- Hydraulic Ports: 7/8" Inlet & 1-1/6" Outlet SAE Straight-thread ports O-ring Boss.
- GM10 is 16-20 GPM Hydraulic & GM12 is 16-23 GPM Hydraulic
- Maximum Motor PSI: 3000 Continuous Duty
- Requires 20 GPM Oil @ 3,000 PSI for High Volumes
- 316 Stainless Impeller

Hyd. Flow GPM	GPM @ 30 PSI	GPM @ 40 PSI	GPM @ 50 PSI	GPM @ 60 PSI	GPM @ 70 PSI	GPM @ 80 PSI	Chart Values are for Water with GM10 Motor. GM102Slightly Higher
16	282	253	219	168	73	-	
18	346	318	291	258	222	166	
19	361	361	338	311	281	250	
20	370	370	351	328	301	275	

Hydraulic Cast Iron Pumps

Part No.	Connections	Max. Oil	Max. Temp.	Max. GPM	Max. PSI	Wt. Lbs.
HY 9307C-GM10	3" x 2" FPT	20	140° F.	370	135	86
HY 9307C-GM10-U	3" x 2" Flanged	20	140° F.	370	135	86
HY 9307C-GM12	3" x 2" FPT	23	140° F.	370	135	86
HY 9307C-GM12-U	3" x 2" Flanged	23	140° F.	370	135	86
HY 9307CWS-GM12U	*3" x 2" Flanged	20	140° F.	370	135	86
HY 3430-0604	Silicon Carbide Seal Kit					

* Wet Seal Design

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