Hydraulically-Driven, Cast Iron

Series 9307C



- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Port sizes: 3" NPT inlet, 2" NPT outlet
- 300 x 220 universal flange available (U)
- Max. fluid temperature: 140°F/60°C
- Impeller: stainless steel
- Motor: internal gear
- Hydraulic ports: -10 SAE inlet and -12 SAE outlet
- Max. motor psi: 3000
- Weight: 86 lbs./39 kg
- Pump seals: Life Guard® silicon carbide standard

Order Information

Model Number	Max GPM	Max PSI	Max Hyd. GPM	Hydraulic Selection System
9307C-GM10	370	135	20	Open/Closed
9307C-GM12	370	135	23	Open/Closed
3430-0604	Life Guard® silicon carbide seal kit			

*Universal Flange (300 x 220) - Add Suffix "U" (i.e.: 9307C-GM10-U)

9307C-GM10, 9307C-GM10-U — U.S. Units

Hyd. Flow GPM	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI
16	282	253	219	168	73				
17	318	288	258	222	174	95			
18	346	318	291	258	222	166	90		
19	361	361	338	311	281	250	201	137	
20	370	370	351	328	301	275	241	184	106

9307C-GM10, 9307C-GM10-U — Metric Units

Hyd. Flow LPM	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR
60.6	1067	958	829	636	276				
64.4	1204	1090	977	840	659	360			
68.1	1310	1204	1101	977	840	628	341		
71.9	1366	1366	1279	1177	1064	946	761	519	
75.7	1400	1400	1329	1241	1139	1041	912	696	401

9307C-GM12, 9307C-GM12-U — U.S. Units

Hyd. Flow GPM	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI
16	222	180	115	-	-	-	-	-	-
17	246	212	166	92	-	-	-	-	-
18	274	245	209	157	58	-	-	-	-
19	302	272	242	203	150	-	-	-	-
20	326	298	271	240	196	142	-	-	-
21	345	324	297	269	238	194	140	-	-
22	-	345	322	297	270	236	193	138	-
23	-	370	344	323	299	273	235	194	137

9307C-GM12, 9307C-GM12-U — Metric Units

Hyd. Flow LPM	LPM at 2.1 BAR	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR
60.6	840	681	435	-	-	-	-	-	-
64.4	931	802	628	348	-	-	-	-	-
68.1	1037	927	791	594	220	-	-	-	-
71.9	1143	1030	916	768	568	-	-	-	-
75.7	1234	1128	1026	908	742	537	-	-	-
79.5	1306	1226	1124	1018	901	734	530	-	-
83.3	-	1306	1219	1124	1022	893	731	522	-
87.1	-	1400	1302	1223	1132	1033	889	734	519

Centrifugal Pumps

For today's machinery and tomorrow's demands, Hypro centrifugal pumps lead the industry! Pump capabilities range up to 440 gpm and 190 psi. With the largest selection of models, Hypro allows you to match the right pump to your equipment and task. Use Hypro centrifugal pumps for chemical spraying and transfer applications.

The broad, versatile line includes models with rugged housings of cast iron, stainless steel and polypropylene that stand up to strong chemical herbicides. Stainless steel pumps are ideal for use with Roundup® or other acid applications. Polypropylene pumps are lightweight and provide excellent resistance to corrosive chemicals. Choose from gear, pedestal, flange, DC clutch, hydraulic motor and belt drives, as well as models that are closed-coupled to gasoline engines.



All of the Hypro centrifugal pumps share these quality features:

- Compatible with corrosive, abrasive and general use chemicals
- Models with high volume (440 gpm), high pressure (190 psi) capabilities
- Nylon, polypropylene, or GTX impellers on most models
- Hydraulically-driven models feature high-efficiency, cast-iron hydraulic motor
- Hydraulic motor equipped with proprietary double-lip Teflon seals
- Life Guard® silicon carbide mechanical seals standard on all stainless steel pumps and available in select cast iron and polypropylene models
- Viton mechanical seals standard on cast iron and polypropylene models
- Standard shafts are stainless steel
- Stainless steel wear ring for extended life on cast iron models
- Hydraulically-driven pumps are max performance tested using proprietary software



HYPRO®

AGRICULTURAL PRODUCTS

9307 Series Centrifugal Pumps

High Flow Hydraulic Driven Centrifugal Pump



The new High Flow centrifugal pump from Hypro handles high volume spraying applications at increased field speeds. Capable of flows over 300 GPM at 100 PSI, the high flow pump is suitable for large capacity sprayers with 120′ and larger booms.

Growers and custom applicators are able to spray more fields faster resulting in decreased spraying time and increased profits

FEATURES & BENEFITS:

- 3″ NPT Inlet x 2″ NPT Outlet
- Max Flow: 358 GPM
- Max Pressure: 135 PSI
- Long lasting, quality internal components include:
  - 316 stainless steel impeller
  - Silicon Carbide/Viton shaft seals
  - Two piece shaft design includes 416 stainless steel wet end and 8260 hardened steel drive end
- Hydraulic Motor:
  - 4500 max RPM
  - 22 GPM max hydraulic flow

9307 Series Centrifugal Pumps

SPECIFICATIONS

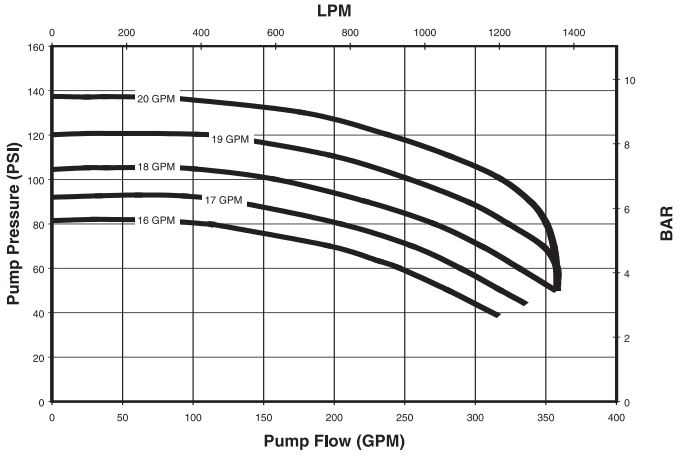
Dimension and Performance Information

9307C-GM10 — **English Standard**

Hyd. Flow GPM	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI	GPM at 90 PSI	GPM at 100 PSI	GPM at 110 PSI	GPM at 120 PSI	GPM at 130 PSI
16	315	281	245	196	113					
17		317	291	256	205	132				
18		356	331	305	270	222	158			
19			358	348	322	297	251	198	104	
20			358	356	351	338	317	282	237	177

9307C-GM10 — **Metric**

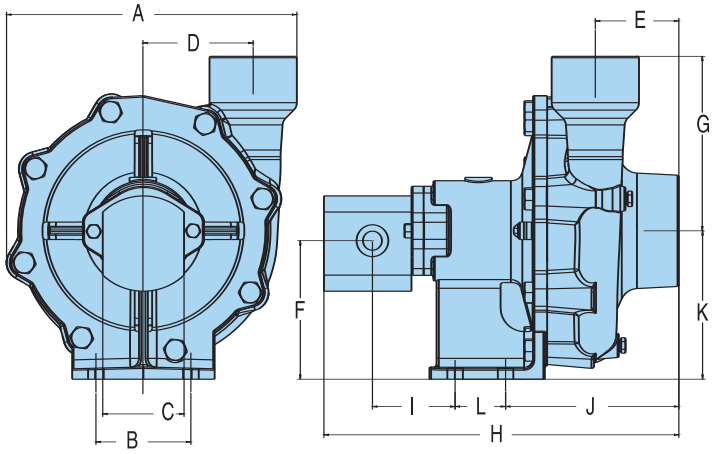
Hyd. Flow LPM	LPM at 2.8 BAR	LPM at 3.4 BAR	LPM at 4.1 BAR	LPM at 4.8 BAR	LPM at 5.5 BAR	LPM at 6.2 BAR	LPM at 6.9 BAR	LPM at 7.6 BAR	LPM at 8.3 BAR	LPM at 9.0 BAR
60.8	1191	1064	927	740	428					
64.4		1201	1100	967	775	501				
68.1		1346	1254	1158	1023	839	597			
71.9			1354	1318	1219	1122	951	749	395	
75.7			1354	1346	1330	1279	1200	1067	898	670



Model 9307C-GM10

Dimensions

	Inches	mm
A	12.23	310.6
B	4.00	101.6
C	3.43	87.0
D	4.65	118.0
E	3.52	89.4
F	5.83	148.2
G	7.35	186.7
H	see inset boxes	
I	see inset boxes	
J	7.30	185.4
K	6.25	158.8
L	2.13	54.0



9307C-GM10

	Inches	mm
H	14.81	376.2
I	3.41	86.6

9307C-GM12

	Inches	mm
H	14.95	379.7
I	3.48	88.4

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