Hydraulically-Driven, Cast Iron & Stainless Steel, Self-Priming

Series 9303C-SP and 9303S-SP



- Available in cast iron and 316 stainless steel
- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Port sizes: 1½" NPT inlet, 1¼" NPT outlet
- Max. fluid temperature: 140°F/60°C
- Impeller: Cast Iron models – Nylon; (GTX available)
  Stainless Steel models – Polypropylene
- Motor: internal gear gerotor
- Hydraulic ports: ½" NPT inlet, ¾" NPT outlet
- Max. motor psi: 3000
- Weight: 38 lbs./17.3 kg
- Pump seals: Cast Iron models – Viton/ceramic standard; Life Guard® silicon carbide (B) and Buna-N ceramic available; Stainless Steel models – Life Guard® silicon carbide standard
- Hydraulic motor seal: double-lip Teflon

Order Information

Model Number	Max GPM	Max PSI	Max Hyd. GPM	Hydraulic Selection System
9303C-HM1C-SP	122	130	13 GPM	Open/Closed
9303C-HM2C-SP	104	80	6 GPM	Open/Closed
9303C-HM3C-SP	120	95	24 GPM	Large open
9303C-HM4C-SP	99	97	7 GPM	Open/Closed
9303C-HM5C-SP	140	140	16 GPM	Open/Closed
9303S-HM1C-SP	114	130	13 GPM	Open/Closed
9303S-HM2C-SP	97	95	6 GPM	Open/Closed
9303S-HM3C-SP	125	98	20 GPM	Open/Closed
9303S-HM4C-SP	115	93	7 GPM	Open/Closed
9303S-HM5C-SP	147	145	16 GPM	Open/Closed
3430-0589	Life Guard® silicon carbide seal kit			
3430-0480SP	Self priming chamber kit			

Life Guard® silicon carbide seal - Add suffix "B" (i.e.: 9303C-HM1C-SP-B)

9303C-HM1C-SP, 9303S-HM1C-SP — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	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
11	119	111	102	89	75	58	42	25			
12	122	120	113	104	94	81	69	55	39	24	
13	122	121	119	111	102	90	78	65	52	39	26

9303C-HM1C-SP, 9303S-HM1C-SP — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	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
41.6	450	420	386	337	284	220	159	95			
45.4	462	454	428	394	356	307	261	208	148	91	
49.2	462	458	450	420	386	341	295	246	197	148	98

9303C-HM2C-SP, 9303S-HM2C-SP — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI
4	57	43	26				
5	80	67	53	39	23		
6	98	88	78	67	55	42	29

9303C-HM2C-SP, 9303S-HM2C-SP — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	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
15.1	216	163	98				
18.9	303	254	201	148	87		
22.7	371	333	295	254	208	159	110

9303C-HM3C-SP, 9303S-HM3C-SP — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI
15	104	90	74	55	23			
18	119	113	102	87	69	46		
20	120	119	114	106	91	74	55	33

9303C-HM3C-SP, 9303S-HM3C-SP — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	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
56.8	394	341	280	208	87			
68.1	450	428	386	329	261	174		
75.7	454	450	432	401	344	280	208	125

9303C-HM4C-SP, 9303S-HM4C-SP — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	GPM at 30 PSI	GPM at 40 PSI	GPM at 50 PSI	GPM at 60 PSI	GPM at 70 PSI	GPM at 80 PSI
5	72	60	46	30	15			
6	87	79	66	52	38	27	13	
7	95	91	84	71	58	42	30	16

9303C-HM4C-SP, 9303S-HM4C-SP — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	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
18.9	273	227	174	114	57			
22.7	329	299	250	197	144	102	49	
26.5	360	344	318	269	220	159	114	61

9303C-HM5C-SP, 9303S-HM5C-SP — U.S. Units

Hyd. Flow GPM	GPM at 10 PSI	GPM at 20 PSI	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
13	114	111	102	89	75	58	42	25			
14	118	117	113	104	94	81	69	55	39	24	
15	122	121	119	111	102	90	78	65	52	39	26

9303C-HM5C-SP, 9303S-HM5C-SP — Metric Units

Hyd. Flow LPM	LPM at 0.7 BAR	LPM at 1.4 BAR	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
49.2	432	420	386	337	284	220	159	95			
53.0	447	443	428	394	356	307	261	208	148	91	
56.8	462	458	450	420	386	341	295	246	197	148	98

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

