

FORCEFIELD, CAST IRON AND STAINLESS STEEL

Series 9313



UPGRADE OPTIONS:

- ◆ Extend pump life with Stainless Steel
 - Fact: Chemical corrosion, pump cavitation, and abrasive wear are key factors in pump life
 - 316 Stainless Steel pumps provide superior chemical corrosion resistance, while maintaining material strength to prolong life against abrasive wear
 - 316 Stainless Steel resists cavitation pitting of pumps, extending wear life
- ◆ Hydraulic motor with case drain for maximum motor life

FEATURES:

- ◆ ForceField Technology is a superior wet seal technology that provides the ultimate protection for the mechanical seal and avoids costly downtime
- ◆ Protects the mechanical seal against common failures related to dry run and chemical bonding by using a barrier fluid to keep it cool and lubricated
- ◆ Actively maintains a pressure differential between the barrier fluid and the pumping solution, which results in longer life and worry free operation.
- ◆ Capable of flows up to 197 GPM (746 LPM) and can produce up to 150 PSI (10.3 bar)
- ◆ Designed to be a drop-in replacement for standard Hypro hydraulically driven centrifugal pumps
- ◆ One year warranty covering pump, motor and seals

FOR FLANGED CONNECTIONS YOU WILL ALSO NEED:

- Universal Flange Gasket
- Universal Flange Clamp

See 251 for details

ORDER INFORMATION

Part Number	Current Product Equivalent	Inlet/Outlet	Max GPM	Max LPM	Max PSI	Max Bar	Max Hyd. GPM	Max Hyd. LPM
9313C-M04	9303C-HM2C	1-1/2" NPT x 1-1/4" NPT	140	530	90	6.2	7	26.5
9313CU-M04	9303C-HM2C-U	220 x 200 Universal Flange	140	530	90	6.2	7	26.5
9313C-M05	9303C-HM4C	1-1/2" NPT x 1-1/4" NPT	155	587	100	6.9	8	30.3
9313CU-M05	9303C-HM4C-U	220 x 200 Universal Flange	155	587	100	6.9	8	30.3
9313C-M08	9303C-HM1C	1-1/2" NPT x 1-1/4" NPT	188	712	137	9.4	13	49.2
9313CU-M08	9303C-HM1C-U	220 x 200 Universal Flange	188	712	137	9.4	13	49.2
9313C-M10	9303C-HM5C	1-1/2" NPT x 1-1/4" NPT	197	746	150	10.3	16	60.6
9313CU-M10	9303C-HM5C-U	220 x 200 Universal Flange	197	746	150	10.3	16	60.6
9313C-M16	9303C-HM3C	1-1/2" NPT x 1-1/4" NPT	194	734	103	7.1	20	75.7
9313CU-M16	9303C-HM3C-U	220 x 200 Universal Flange	194	734	103	7.1	20	75.7
9313S-M04	9303S-HM2C	1-1/2" NPT x 1-1/4" NPT	140	530	90	6.2	7	26.5
9313SU-M04	9303S-HM2C-U	220 x 200 Universal Flange	140	530	90	6.2	7	26.5
9313S-M05	9303S-HM4C	1-1/2" NPT x 1-1/4" NPT	155	587	100	6.9	8	30.3
9313SU-M05	9303S-HM4C-U	220 x 200 Universal Flange	155	587	100	6.9	8	30.3
9313S-M08	9303S-HM1C	1-1/2" NPT x 1-1/4" NPT	188	712	137	9.4	13	49.2
9313SU-M08	9303S-HM1C-U	220 x 200 Universal Flange	188	712	137	9.4	13	49.2
9313S-M10	9303S-HM5C	1-1/2" NPT x 1-1/4" NPT	197	746	150	10.3	16	60.6
9313SU-M10	9303S-HM5C-U	220 x 200 Universal Flange	197	746	150	10.3	16	60.6
9313S-M16	9303S-HM3C	1-1/2" NPT x 1-1/4" NPT	194	734	103	7.1	20	75.7
9313SU-M16	9303S-HM3C-U	220 x 200 Universal Flange	194	734	103	7.1	20	75.7

Case Drain motor available - Add suffix "Y" (i.e. 9313CU-M08Y)

9313C-M04, 9313CU-M04, 9313S-M04, 9313SU-M04

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	128	111	85	60	36	15		
6	134*	120	97	74	55	36	18	
7	140*	127	104	83	64	45	29	14

9313C-M04, 9313CU-M04, 9313S-M04, 9313SU-M04

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	485	420	322	227	136	57		
22.7	507*	454	367	280	208	136	68	
26.5	530*	481	394	314	242	170	110	53

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Series 9313

9313C-M05, 9313CU-M05, 9313S-M05, 9313SU-M05

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
6	144*	130	106	82	58	30			
7	150*	138	119	96	75	55	34	14	
8	155*	145*	130	108	88	70	52	35	17

9313C-M05, 9313CU-M05, 9313S-M05, 9313SU-M05

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
22.7	545*	492	401	310	220	114			
26.5	568*	522*	450	363	284	208	129	53	
30.3	587*	549*	492	409	333	265	197	132	64

9313C-M08, 9313CU-M08, 9313S-M08, 9313SU-M08

U.S. UNITS

Hyd. Flow GPM	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	GPM at 120 PSI
11	178*	169*	157*	138	117	97	72	48	22		
12	183*	176*	165*	149*	131	111	93	74	52	29	
13	188*	182*	173*	159*	141	124	106	89	71	53	33

9313C-M08, 9313CU-M08, 9313S-M08, 9313SU-M08

METRIC UNITS

Hyd. Flow LPM	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	LPM at 8.3 BAR
41.6	674*	640*	594*	522	443	367	273	182	83		
45.4	693*	666*	625*	564*	496	420	352	280	197	110	
49.2	712*	689*	655*	602*	534	469	401	337	269	201	125

9313C-M10, 9313CU-M10, 9313S-M10, 9313SU-M10

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	GPM at 120 PSI	GPM at 130 PSI
13	185*	176*	162*	143	122	99	68	24			
14	190*	183*	172*	155*	137	117	96	70	35		
15	193*	187*	179*	168*	154*	135	113	91	66	41	16
16	197*	192*	186*	178*	166*	150	132	114	96	76	55

9313C-M10, 9313CU-M10, 9313S-M10, 9313SU-M10

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	LPM at 8.3 BAR	LPM at 9.0 BAR
49.2	700*	666*	613*	541	462	375	257	91			
53.0	719*	693*	651*	587*	519	443	363	265	132		
56.8	731*	708*	678*	636*	583*	511	428	344	250	155	61
60.6	746*	727*	704*	674*	628*	568	500	432	363	288	208

9313C-M16, 9313CU-M16, 9313S-M16, 9313SU-M16

U.S. UNITS

Hyd. Flow GPM	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
16	168*	154*	134	105	66				
18	185*	177*	165*	145*	119	85	41		
20	194*	190*	184*	175*	160*	139	115	78	20

9313C-M16, 9313CU-M16, 9313S-M16, 9313SU-M16

METRIC UNITS

Hyd. Flow LPM	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
60.6	636*	583*	507*	397	250				
68.1	700*	670*	625*	549*	450	322	155		
75.7	734*	719*	697*	662*	606*	526	435	295	76

*Flow rates can only be achieved with sufficient NPSHA (Net Positive Suction Head Available), refer to OIPM for details.