

Belt-Driven, Cast Iron, Polypropylene & Stainless Steel

Series 9400 Belt Drive



Upgrade Options:

- Increase dry-run and abrasive resistance with Life Guard Seals
 - Life Guard seals are the OEM standard
- 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 the life against abrasive wear
 - 316 Stainless Steel resists cavitation pitting of pumps, extending the wear life
 - Drop in replacements for cast iron pumps

Features

- Available in cast iron, polypropylene and 316 stainless steel for extended pump life
- Drive: 12-groove belt
- Spring-loaded belt tensioner
- Stainless steel wear ring
- Stainless steel pump shaft, standard
- Port sizes: 9402 models – 1-1/4" NPT inlet, 1" NPT outlet; 9403 models – 1-1/2" NPT inlet, 1-1/4" NPT outlet
- 220 x 200 universal flange available (U)
- Max. fluid temperature: 140°F/60°C
- Impeller: Cast Iron models – Nylon; Poly & Stainless Steel models – Polypropylene
- Pump shaft rotation: Counter clockwise when looking at shaft end
- Pump seals: Viton/ceramic standard; Life Guard silicon carbide (B) available
- Life Guard seals are the industry standard on OEM equipment
- Weight: 40-45 lbs./18.2-20.5 kg

For Flanged Connections You Will Also Need:

- Universal Flange Gasket Universal Flange Clamp

See page 214 for details

Order Information

Model Number	Max GPM	Max LPM	Max PSI	Max BAR	Max RPM	PTO Output
9402C-540	76	283	95	6.5	600	1-3/8" female, 6-spline shaft
9402C-540Q	76	283	95	6.5	600	1-3/8" 6-spline quick coupler
9402C-540S	76	283	95	6.5	600	1" [25.4 mm] solid shaft
9402C-1000	76	283	95	6.5	1000	1-3/8" female, 21-spline shaft
9402C-1000L	76	283	95	6.5	1000	1-3/4" female, 20-spline shaft
9402C-1000S	76	283	95	6.5	1000	1" [25.4 mm] solid shaft
9403C-540†	140	530	104	7.2	600	1-3/8" female, 6-spline shaft
9403C-540Q†	140	530	104	7.2	600	1-3/8" 6-spline quick coupler
9403C-540S†	140	530	104	7.2	600	1" [25.4 mm] solid shaft
9403C-1000†	140	530	104	7.2	1000	1-3/8" female, 21-spline shaft
9403C-1000L†	140	530	104	7.2	1000	1-3/4" female, 20-spline shaft
9403C-1000-MTZ	164	617	113	7.8	1000	38 mm female, 8-spline shaft
9403C-1000S†	140	530	104	7.2	1000	1" [25.4 mm] solid shaft
9403P-540	91	344	83	5.7	600	1-3/8" female, 6-spline shaft
9403P-540Q	91	344	83	5.7	600	1-3/8" 6-spline quick coupler
9403P-540S	91	344	83	5.7	600	1" [25.4 mm] solid shaft
9403P-1000	86	326	83	5.7	1000	1-3/8" female, 21-spline shaft
9403P-1000L	86	326	83	5.7	1000	1-3/4" female, 20-spline shaft
9403P-1000S	86	326	83	5.7	1000	1" [25.4 mm] solid shaft
9403S-540	140	530	104	7.2	540	1-3/8" female, 6-spline shaft
9403S-540Q	140	530	104	7.2	540	1-3/8" 6-spline quick coupler
9403S-540S	140	530	104	7.2	540	1" [25.4 mm] solid shaft
9403S-1000	140	530	104	7.2	1000	1-3/8" female, 21-spline shaft
9403S-1000L	140	530	104	7.2	1000	1-3/4" female, 20-spline shaft
9403S-1000S	140	530	104	7.2	1000	1" [25.4 mm] solid shaft
3430-0332	Seal and o-ring repair kit					
3430-0476	Seal, o-ring, belt and gasket repair kit for 540 rpm drives					
3430-0477	Seal, o-ring, belt and gasket repair kit for 1000 rpm drives					
3430-0589	Life Guard silicon carbide seal kit					
3430-0333	Seal and o-ring repair kit [polypropylene]					
3430-0478	Seal, o-ring, belt and gasket repair kit for 540 rpm drives [polypropylene]					
3430-0479	Seal, o-ring, belt and gasket repair kit for 1000 rpm drives [polypropylene]					
3430-0590	Life Guard silicon carbide seal kit [polypropylene]					

†Universal Flange [220 x 200] - Add Suffix "U" (i.e.: 9403C-1000S-U)

Life Guard silicon carbide seal - Add suffix "B" (i.e.: 9402C-540-B)

Viton® is a registered trademark of DuPont. Hypro® is a registered trademark of Pentair.

9402C-540

U.S. Units

RPM	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
450	61	58	50	36				
500	67	66	62	56	42			
540	71	71	70	65	58	44		
600	76	76	76	75	73	66	56	42

9402C-540

Metric Units

RPM	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
450	231	220	189	136				
500	254	250	235	212	159			
540	269	269	265	246	220	167		
600	288	288	288	284	276	250	212	159

9402C-1000

U.S. Units

RPM	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
800	68	67	64	57	41				
900	74	74	73	71	64	54	41		
1000	76	76	76	76	76	72	65	56	43

9402C-1000

Metric Units

RPM	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
800	257	254	242	216	155				
900	280	280	276	269	242	204	155		
1000	288	288	288	288	288	273	246	212	163

9403C-540, 9403S-540

U.S. Units

RPM	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
450	107	99	86	50					
500	121	116	106	93	76	42			
540	129	127	120	111	98	80	50		
600	140	138	135	130	121	112	94	73	40

9403C-540, 9403S-540

Metric Units

RPM	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
450	405	375	326	189					
500	458	439	401	352	288	159			
540	488	481	454	420	371	303	189		
600	530	522	511	492	458	424	356	276	151

9403C-1000, 9403S-1000

U.S. Units

RPM	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
800	115	106	96	80	56				
900	129	127	120	111	98	80	50		
1000	140	139	137	133	128	119	100	76	46

9403C-1000, 9403S-1000

Metric Units

RPM	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
800	435	401	363	303	212				
900	488	481	454	420	371	303	189		
1000	530	526	519	503	485	450	379	288	174

9403C-1000-MTZ

U.S. Units

RPM	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
800	136	132	123	112	98	70	45				
900	150	149	145	135	125	115	97	72	35		
1000	163	162	160	155	150	140	130	115	95	75	45

9403C-1000-MTZ

Metric Units

RPM	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
800	515	500	466	424	371	265	170				
900	568	564	549	511	473	435	367	273	132		
1000	617	613	606	587	568	530	492	435	360	284	170

9403P-540

U.S. Units

RPM	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
450	68	60	46	20			
500	74	70	60	48	22		
540	82	78	70	60	46		
600	91	88	79	72	64	58	38

9403P-540

Metric Units

RPM	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
450	257	227	174	76			
500	280	265	227	182	83		
540	310	295	265	227	174		
600	344	333	299	273	242	220	144

9403P-1000

U.S. Units

RPM	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
800	73	66	58	42			
900	82	78	70	60	46		
1000	86	86	79	72	64	58	38

9403P-1000

Metric Units

RPM	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
800	276	250	220	159			
900	310	295	265	227	174		
1000	326	326	299	273	242	220	144