

Hydraulically-Driven, Cast Iron & Stainless Steel

Series 9306C and 9306S



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

- Hydraulic motor drive (for open center, closed center and load-sensing systems)
- Port sizes: 2" NPT inlet, 1-1/2" NPT outlet
- Max. fluid temperature: 140°F/60°C
- Available in cast iron and 316 stainless steel for extended pump life
- Impeller: Nylon (cast iron models); polypropylene (stainless steel models); (GTX available)
- Motor: internal gear gerotor
- Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet
- Max. motor psi: 3000 (bar: 207)
- Pump seals: Cast Iron models – Viton/ceramic standard; Life Guard silicon carbide (B) available; Stainless Steel models – Life Guard silicon carbide standard
- Life Guard seals are the industry standard on OEM equipment
- Hydraulic motor seal: double-lip Teflon® and case drain available
- 220 x 220 (U) Universal flange available
- Weight: 33 lbs./15 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 Hyd. GPM | Max Hyd. LPM | Hydraulic Selection System |
|--------------|-------------------------------------|---------|---------|---------|--------------|--------------|----------------------------|
| 9306C-HM1C* | 207 | 784 | 127 | 8.8 | 13 | 49.2 | Open/Closed |
| 9306C-HM3C* | 214 | 810 | 128 | 8.8 | 24 | 90.8 | Open/Closed |
| 9306C-HM5C* | 212 | 803 | 140 | 9.6 | 17 | 64.4 | Open/Closed |
| 9306S-HM1C | 207 | 784 | 127 | 8.8 | 13 | 49.2 | Open/Closed |
| 9306S-HM3C | 214 | 810 | 128 | 8.8 | 24 | 90.8 | Open/Closed |
| 9306S-HM5C | 212 | 803 | 140 | 9.6 | 17 | 64.4 | Open/Closed |
| 3430-0332 | Seal and o-ring repair kit | | | | | | |
| 3430-0589 | Life Guard silicon carbide seal kit | | | | | | |

*Universal Flange [220 x 220] - Add Suffix "U" [i.e.: 9306C-HM3C-U] - Life Guard silicon carbide seal - Add suffix "B" [i.e.: 9306C-HM3C-B]

9306C-HM1C, 9306S-HM1C, 9306C-HM1C-U, 9306S-HM1C-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 | GPM at 120 PSI |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| 11 | 207 | 200 | 186 | 155 | 122 | 88 | 44 | | | |
| 12 | 207 | 207 | 196 | 179 | 149 | 119 | 88 | 53 | | |
| 13 | 207 | 207 | 207 | 195 | 171 | 144 | 115 | 85 | 53 | 20 |

9306C-HM1C, 9306S-HM1C, 9306C-HM1C-U, 9306S-HM1C-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 | LPM at 8.3 BAR |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 41.6 | 784 | 757 | 704 | 587 | 462 | 333 | 167 | | | |
| 45.4 | 784 | 784 | 742 | 678 | 564 | 450 | 333 | 201 | | |
| 49.2 | 784 | 784 | 784 | 738 | 647 | 545 | 435 | 322 | 201 | 76 |

9306C-HM3C, 9306S-HM3C, 9306C-HM3C-U, 9306S-HM3C-U

U.S. Units

| 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 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| 18 | 190 | 179 | 159 | 90 | | | | | |
| 20 | 214 | 203 | 199 | 181 | 139 | 49 | | | |
| 22 | 214 | 214 | 214 | 210 | 198 | 176 | 127 | 16 | |
| 24 | 214 | 214 | 214 | 214 | 214 | 210 | 190 | 154 | 101 |

9306C-HM3C, 9306S-HM3C, 9306C-HM3C-U, 9306S-HM3C-U

Metric Units

| 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 |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 68.1 | 719 | 678 | 602 | 341 | | | | | |
| 75.7 | 810 | 768 | 753 | 685 | 526 | 185 | | | |
| 83.3 | 810 | 810 | 810 | 795 | 750 | 666 | 481 | 61 | |
| 90.8 | 810 | 810 | 810 | 810 | 810 | 795 | 719 | 583 | 382 |

9306C-HM5C, 9306S-HM5C, 9306C-HM5C-U, 9306S-HM5C-U

U.S. Units

| 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 |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| 15 | 212 | 212 | 212 | 187 | 150 | 114 | 65 | 19 | | |
| 16 | 212 | 212 | 212 | 212 | 189 | 158 | 125 | 87 | 42 | |
| 17 | 212 | 212 | 212 | 212 | 212 | 189 | 162 | 133 | 102 | 58 |

9306C-HM5C, 9306S-HM5C, 9306C-HM5C-U, 9306S-HM5C-U

Metric Units

| 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 |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 56.8 | 803 | 803 | 803 | 708 | 568 | 432 | 246 | 72 | | |
| 60.6 | 803 | 803 | 803 | 803 | 715 | 598 | 473 | 329 | 159 | |
| 64.4 | 803 | 803 | 803 | 803 | 803 | 715 | 613 | 503 | 386 | 220 |

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