



(Rails and shaft protector sold separately)

FEATURES

- 316SS head with optional FPM and EPDM elastomers offer compatibility with a wide range of liquids.
- Flexible coupling/bell housing, gearbox and belt drive options provide flexibility with a compact footprint.
- Rugged continuous-duty triplex design provides long life and low maintenance.
- Special flushed manifold with 7CP6111C and 7CP6171C permits external flush for added cooling with high temperature liquids and lubrication with low lubricity liquids.

COMMON SPECIFICATIONS

| Inlet Pressure Range | Flooded to 70 psi | (Flooded to 4.9 bar) |
|--------------------------------------|--------------------------|----------------------|
| Bore | 0.866" | (22 mm) |
| Crankcase Capacity | 38 oz. | (1.15 l) |
| Maximum Liquid Temperature | 140°F | (60°C) |
| Above 130°F call Cat Pumps for inlet | conditions and elastomer | recommendations. |
| Inlet Ports (2) | 3/4" NPTF | (3/4" NPTF) |
| Discharge Ports (2) | 1/2" NPTF | (1/2" NPTF) |
| Flushing Ports (2) (7CP6111C, 7CF | P6171C) 1/8" NPTF | (1/8" NPTF) |
| Shaft Diameter | 0.945" | (24 mm) |
| Weight (7CP6111, 7CP6171) | 29.1 lbs. | (13.2 kg) |
| Weight (7CP6111G1) | 38.6 lbs. | (17.5 kg) |
| Dimensions | 13.45 x 9.26 x 6.89" | (342 x 235 x 175 mm) |
| Dimensions w/Gearbox | 13.45 x 12.89 x 8.19" | (342 x 327 x 208 mm) |

⚠ CAUTIONS AND WARNINGS

All High Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. CAT PUMPS does not assume any liability or responsibility for the operation of a customer's high pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.com/cautions-warnings or can be requested directly from CAT PUMPS.

WARRANTY

View the Limited Warranty on-line at www.catpumps.com/warranty.

7CP Stainless Steel **Plunger Pump**

Direct-Drive Standard and Flushed

7CP6111 7CP6111C

Belt-Drive Standard and Flushed

7CP6171 7CP6171C

Gearbox Model

7CP6111G1

SPECIFICATIONS

U.S. Measure

Metric Measure

MODEL 7CP6111, 7CP6111C

| Flow | 10.5 gpm | (40 l/m) |
|----------------|-----------------|----------------|
| Pressure Range | 100 to 2000 psi | (7 to 140 bar) |
| Pump RPM | 1750 rpm | (1750 rpm) |
| Stroke | 0.854" | (21.7 mm) |

MODEL 7CP6171, 7CP6171C

| low | 10.5 gpm | (40 l/m) |
|----------------|-----------------|----------------|
| Pressure Range | 100 to 2000 psi | (7 to 140 bar) |
| Pump RPM | 1450 rpm | (1450 rpm) |
| Stroke | 1.024″ | (26 mm) |

MODEL 7CP6111G1

| 10.0 gpm | (38 l/m) |
|-----------------|---|
| 100 to 2000 psi | (7 to 140 bar) |
| 1667 rpm | (1667 rpm) |
| 3400 rpm | (3400 rpm) |
| 0.854" | (21.7 mm) |
| | 100 to 2000 psi 1667 rpm 3400 rpm |

ELECTRIC HORSEPOWER REQUIREMENTS

| MODELS | FLO | ow | PRESSURE | | | MOTOR PULLEY SIZE | | |
|---------------------|-------------|------|-------------|-------------|-------------|-------------------|------------------------------------|--|
| | | | psi 1500 | psi 1800 | psi 2000 | | 725 rpm Motor & 75" Pump Pulley | |
| | U.S. gpm | lpm | bar 105 | bar 125 | bar 140 | rpm | Pulley O.D. | |
| 7CP6111 7CP6111C | 10.5 | 40.0 | 10.8 | 12.9 | 14.4 | 1750 | Direct-Drive | |
| 7CP6171 | 10.5 | 40.0 | 10.8 | 12.9 | 14.4 | 1450 | 8.4 | |
| 7CP6171C | 10.0 | 38.0 | 10.3 | 12.4 | 13.7 | 1318 | 7.6 | |
| 7CP6111G1 | 10.0 | 38.0 | Consult | Eng. | Mfg. | 1667 | Gearbox | |

DETERMINING THE PUMP RPM **DETERMINING** THE REQUIRED H.P. **DETERMINING**

MOTOR PULLEY SIZE

Rated gpm Rated rpm gpm x psi

1460 Motor Pulley O.D. "Desired" gpm "Desired" rpm Electric Brake

H. P. Required

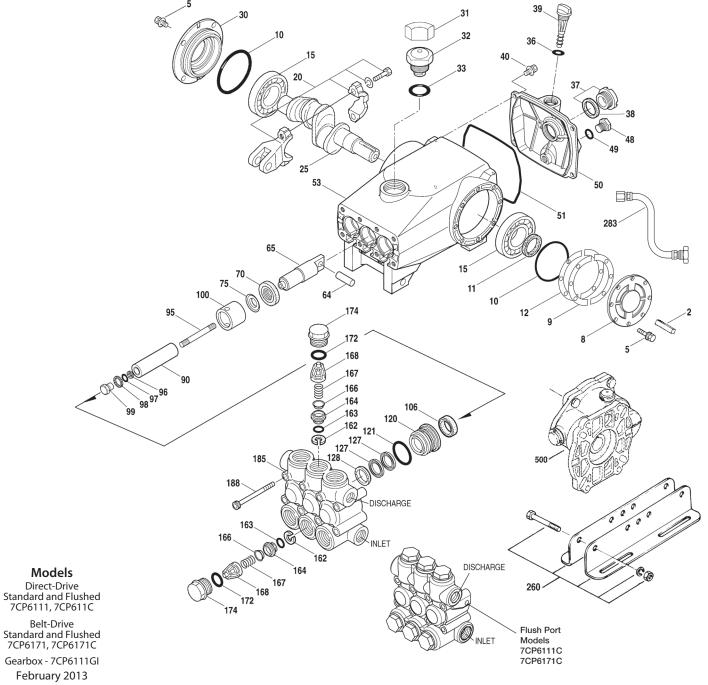
Pump Pulley O.D. Motor rpm

Pump rpm See complete Drive Packages [Inclds: Pulleys, Belts, Hubs, Key] Tech Bulletin 003. Refer to pump Service Manual for repair procedure and additional technical information.

PARTS LIST

| 2 30067 STL Kory (Mex7-5x29) 1 5 40651 S. Scewe, Hirt Camer, (MBx20) 8 8 40501 AL Cover, Bosting 1 9 40501 RB Shin, Spill, ZPc, Outer 0-2 11 1 12399 NBR Orling, Bearing Gover, 700 0 11 2 49504 S. Shin, Spill, ZPc, Inner 0-2 15 6379 STL Bearing, Roller 0 2-2 25 4898 FCM Cronsbald, Single-Frid (MD-17), TCP6111, TCP6111G1 1 3 36 48927 TM Red. Cornecting Axys (DCR617), TCP6111, TCP6111G1 1 3 31 4071 AL Cover, Bind Bearing 1 1 1 32 4091 AL Cover, Bind Bearing 1 1 1 1 33 40221 AL Cover, Bind Bearing 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1< | ITEM | P/N | MATL | DESCRIPTION | QTY |
|---|------------|--------|------|---|-----|
| 8 | 2 | 30067 | STL | Key (M8x7.5x25) | 1 |
| 9 | 5 | 49651 | S | Screw, HHC Sems (M8x20) | 8 |
| 101 1293 N8R Sel, O-Ring, Bearing Cover - 70D 127 11 4990 N8R Sel, Oli Clarakshaft - 700 127 12 49504 S Shim, Spilt_2-Pc, Inner 0.2 12 49504 S Shim, Spilt_2-Pc, Inner 0.2 12 49504 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 13 49507 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 14 49507 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 15 49507 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 16 49507 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 17 49507 PCM Cankshaft, Single-Frid M237,7 (7CP6111, CCP6111G)) 1 18 22 42211 ABS Cap, Oli Filler 19 4428 NBR Casker, Flat (10 Gauge - 80D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 | 49501 | AL | Cover, Bearing | 1 |
| 11 | 9 | 49503 | FBR | Shim, Split, 2-Pc, Outer | 0-2 |
| 12 | 10 | 12393 | NBR | O-Ring, Bearing Cover - 70D | 2 |
| 15 | 11 | 49190 | NBR | Seal, Oil Crankshaft - 70D | 1/2 |
| 25 | 12 | 49504 | S | Shim, Split, 2-Pc, Inner | 0-2 |
| 49498 FCM Crankshaft, Single-End (M22) (7C9F111, 7C9F111C, 7C9F111G) 1 30 48527 AL Cover, Blind Bearing 1 31 828710 PE Protector, Oil Cap w/Foam Gasket 1 32 43211 ABS Cover, Blind Bearing 1 33 14177 NBR O-Bing, Oil Biller Cap - 7000 1 36 129343 RBR Gasket, Flat 1 37 92241 — Gauge, Oil, Bubble w/Gasket - 80D 1 38 44428 NIR Gasket, Flat, Oil Causey - 80D 1 40 92338 S Screw, HPIC-Servi (Moto) 4 < | 15 | 63479 | STL | Bearing, Roller | 2 |
| 49649 F.M. Crankshaft, Snighe-End (Mz8) (7/P8171, 7/P6171C) 1 848727 | 20 | 48727 | TNM | Rod, Connecting Assy [2/03] | 3 |
| 30 | 25 | 49498 | FCM | Crankshaft, Single-End (M21.7) (7CP6111, 7CP6111C, 7CP6111G1) | 1 |
| 132 828710 PE Protector, Oil Cago WiFoam Gasket 1 1477 1485 Cago, Oil Filler Cap - 700 1 1477 1477 1485 Cago, Oil Filler Cap - 700 1 1477 1478 | | 49649 | FCM | Crankshaft, Single-End (M26) (7CP6171, 7CP6171C) | 1 |
| 32 43211 ABS Cap, 0 IF IE Protector, 0 IC ap w/Foam Gasket 1 33 14177 NBR ORIGIN OF IRIDE 1 34 14177 NBR ORIGIN ORIGIN ORIGINATION ORIGIN | 30 | 48527 | AL | · · · · · · · · · · · · · · · · · · · | 1 |
| 32 43211 ABS Cap, Oil Filler 33 14177 NBR OR Filler Cap - 70D 31 179343 BBR Gasket, Flat 36 179343 BBR Gasket, Flat 37 92241 — Gauge, Oil, Bubble w/Gasket - 80D 31 49948 NBR Gasket, Flat, Oil Gauge - 80D 31 49948 ABS Sick, Dip 1 40 92538 S S Screw, HHC Sems (Most 16) 41 23170 NBR ORING, Drain (1/4*/1885*) 42 23170 NBR ORING, Drain (1/4*/1885*) 43 4952 23170 NBR ORING, Drain (1/4*/1885*) 44 26959 AL Cover, Rear 41 14030 NBR ORING, Drain (1/4*/1885*) 51 49699 CM Pin, Crosshaed 53 48577 AL Canakcase 1 1 64 49699 CM Pin, Crosshaed 65 49637 SS Bod, Plunger 65 49637 SS Bod, Plunger 70 48281 NBR Seal, Oil Crankcase - 70D 31 48283 NBR Seal, Oil Crankcase - 70D 32 48599 CC Plunger, Ceramic (M22255) 33 48599 CC Plunger, Geramic (M2255) 34 49599 SS Study Plunger Retainer (Mos50) 35 48599 SS Study Plunger Retainer (Mos50) 36 43235 PTFE Back-up-Ring, Plunger Retainer - 80D 37 17399 NBR ORING, Plunger Retainer - 80D 38 44031 SS Gasket 40031 SS Seal (1/5 w) SS-5ug 30 40131 SS Retainer, Plunger (M6) 31 4024 EPDM ORing, Plunger Retainer - 80D 31 14160 FPM ORing, Plunger Retainer - 80D 32 40511 SS Retainer, Plunger (M6) 33 40404 FPM Seal, L'S w/SS-5ug 34 40404 SS Gasket 40404 EPDM ORing, Plunger Retainer - 70D 35 44040 FPM Seal, L'S w/SS-5ug 36 44041 SS Gasket 40404 EPDM ORing, Plunger Retainer - 70D 36 44041 SS Gasket 40404 SS | 31 | 828710 | PE | | 1 |
| 14177 | 32 | 43211 | | | 1 |
| 36 129243 BBR Casker, Flat 1 37 92241 — Gauge, Oilk Bubble w/Gasket - 80D 1 38 44428 NBR Gasket, Flat, Oil Gauge - 80D 1 40 92338 S Screw, HHC Sems (Most 16) 4 48 25525 STCP Plug, Drain (HV4) 1989) 1 50 46059 AL Cover, Rear 1 51 14030 NBR O-Ring, Drain Plug - 70D 1 53 48577 AL Crankcase 1 64 46069 CM Pin, Crossbead 3 65 49637 SS Rod, Plunger 3 70 48281 NBR Seal, Oil Crankcase - 70D 3 75 43328 S Silinger, Barrier 3 96 49639 SS Sud, Plunger Rectainer (Mostol) 3 3 SSEAL (Plunger Rectainer (Mostol) 3 40431 SS Rote Plunger (Mostol) 4 | 33 | 14177 | NBR | · | 1 |
| 37 92241 — Gauge. Oil. Bubble w/Gasket-80D 1 38 44428 NBR Gasket-Flat, Directors with the state of the state | 36 | 129343 | RBR | | 1 |
| 38 | | | | | 1 |
| 99 49948 ABS Subc, Dip 1 | 38 | 44428 | NBR | · · · · · · · · · · · · · · · · · · · | 1 |
| 48 25288 5 Screw, HIC Sems (Mox16) 4 48 252625 STCP Plug. Drini (1/4*) 19859) 1 50 46959 AL Cover, Pear 51 14030 NBR O-Ring, Drain Plug -70D 51 14030 NBR O-Ring, Drain Plug -70D 53 48577 AL Crankcase 64 46669 CM Pin, Crosshead 65 49637 SS Rod, Plunger 65 49637 SS Rod, Plunger 67 43288 S Silinger, Barrier 78 43288 S Silinger, Barrier 79 49239 SS Stud, Plunger Retainer (Mox50) 30 48559 CC Plunger, Ceramic (Mox2x55) 31 48579 NBR O-Ring, Plunger Retainer (Mox50) 32 49639 SS Stud, Plunger Retainer (Mox50) 33 48579 NBR O-Ring, Plunger Retainer -80D 34 4031 SS Retainer, Plunger Retainer -80D 38 44041 SS Gasket 100 46964 NBR Seal, LPS w/SS-Spg 48590 EPDM O-Ring, Plunger Retainer -70D 39 44031 SS Retainer, Plunger (Moi) 30 48964 NBR Seal, LPS w/SS-Spg 31 49649 SS NBR O-Ring, Plunger Retainer -70D 31 405964 NBR Seal, LPS w/SS-Spg 32 44041 SS Casket 34 4041 SS Gasket 48650 EPDM O-Ring, Plunger Retainer -70D 35 48690 EPDM O-Ring, Plunger Retainer -70D 36 48694 NBR Seal, LPS w/SS-Spg 37 48650 EPDM Seal, LPS w/SS-Spg 38 44041 SS Caske Seal 39 48650 EPDM Seal, LPS w/SS-Spg 30 49643 SS Caske Seal 30 49644 NBR Seal, LPS w/SS-Spg 31 49643 SS Caske Seal 30 49645 NSR Seal, LPS w/SS-Spg 31 49646 NBR Seal, LPS w/SS-Spg 32 48650 EPDM Seal, LPS w/SS-Spg 33 48649 PFM O-Ring, Seal Caske -70D 34 48650 EPDM O-Ring, Seal Caske -70D 35 48650 EPDM Seal, LPS w/SS-Spg 36 48650 EPDM Seal, LPS w/SS-Spg 37 48650 EPDM Seal, LPS w/SS-Spg 38 44041 SS Caske Seal 48676 EPDM O-Ring, Seal Caske -70D 48686 PFM O-Ring, Seal Caske -70D 48686 PFM O-Ring, Seal Caske -70D 48686 PFM O-Ring, Seal Caske -70D 48696 NBR O-Ring, Seal -70D 48697 NBR O-Ring, Seal -70D 48697 NBR O-Ring, | | | | | |
| 48 | | 92538 | | · | 4 |
| 99 33170 NBR O-Ring, Drain Plug - 70D 1 | | | | | |
| 50 46999 AL Cover, Rear 1 51 14030 NBR O-Ring, Rear Cover - 70D 1 53 48577 AL Crankcase 1 64 46969 CM Pin, Crosshead 3 65 49637 SS Rod, Plunger 3 70 48281 NBR Seal, Oil Crankcase - 70D 3 75 43238 S Slinger, Barrier 3 90 48559 CC Plunger Retainer (MoS0) 3 95 49639 SS Stud, Plunger Retainer (MoS0) 3 96 43235 PTTE Back-up-Ring, Plunger Retainer - 80D 3 100 FPM O-Ring, Plunger Retainer - 80D 3 110 FPM O-Ring, Plunger Retainer - 70D 3 98 44041 SS Gasket 30 Ad204 RPM O-Ring, Plunger Retainer - 80D 31 August - | | | | • | |
| 51 14020 NBR O-Ring, Rear Cover - 70D 1 63 48577 AL Crankcase 1 64 48969 CM Pin, Crosshead 3 65 49637 55 Rod, Plunger 3 70 48281 NBR Seal, Oil Crankcase - 70D 3 75 43328 5 Slinger, Barrier 3 90 48559 CC Plunger, Ceramic (M25x5) 3 96 43235 PTTE Back-up-Ring, Plunger Retainer 30 96 43235 PTTE Back-up-Ring, Plunger Retainer 30 97 17399 NBR O-Ring, Plunger Retainer - 80D 3 94 46204 EPDM O-Ring, Plunger Retainer - 80D 3 98 44041 SS Gasket 3 100 49694 NY Retainer, Plunger Retainer - 70D 3 106 49641 NBR Seal, LPS-WS-Spg 3 49704 FPM Seal, LPS-WS-Spg 3 49704 FPM Seal, LPS-WS-Spg < | | | | 5. | |
| 53 48577 AL Crankcase 1 64 469690 CM Pin, Crosshead 3 65 49637 SS Rod, Plunger 3 70 48281 NBR Seal, Oil Crankcase - 70D 3 75 43328 S Slinger, Barrier 3 90 48559 CC Plunger, Ceramic (M22x55) 3 95 49639 SS Stud, Plunger Retainer (M0x50) 3 96 43235 PTFE Back-up-Ring, Plunger Retainer 30 96 43235 PTFE Back-up-Ring, Plunger Retainer - 80D 3 1160 FPM O-Ring, Plunger Retainer - 80D 3 98 44041 SS Gasket 100 46964 NY Retainer, Plunger (M6) 3 101 49644 NY Retainer, Plunger (M6) 3 102 49643 SS Case, Expl 120 49643 SS Case, Seal 120 <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| 65 49637 SS Rod, Plunger 3 3 70 48281 NBR Seal, Ol Crankcase - 70D 3 75 43328 S Slinger, Barrier 3 76 48281 NBR Seal, Ol Crankcase - 70D 3 77 43328 S Slinger, Barrier 3 78 48559 SS Stud, Plunger Retainer (McS20) 3 79 486599 SS Stud, Plunger Retainer (McS20) 3 79 17399 NBR O-Ring, Plunger Retainer - 80D 3 70 14160 FPM O-Ring, Plunger Retainer - 80D 3 70 46204 EPDM O-Ring, Plunger Retainer - 80D 3 71 7399 NBR O-Ring, Plunger Retainer - 80D 3 71 7399 NBR O-Ring, Plunger Retainer - 80D 3 72 46204 EPDM O-Ring, Plunger Retainer - 80D 3 73 99 44031 SS Gasker 3 74 46204 EPDM O-Ring, Plunger Retainer - 70D 3 75 49641 NY Retainer, Seal 3 76 49644 NY Retainer, Seal 3 77 49645 NY Retainer, Seal 3 78 49704 FPM Seal, LPS w/SS-Spg 3 78 49704 FPM Seal, LPS w/SS-Spg 3 79 49643 SS Case, Seal 3 712 13984 NBR O-Ring, Seal Case - 70D 3 71398 NBR O-Ring, Seal Case - 70D 3 714 48278 STG* V-Packing 6 714 48278 STG* V-Packing 6 715 48249 NBR O-Ring, Seal Case - 70D 3 716 48249 NBR O-Ring, Seal Case - 70D 3 717 48278 STG* V-Packing 6 718 48249 NBR O-Ring, Seal Case - 70D 3 719 48249 NBR O-Ring, Seal Case - 70D 3 710 48249 NBR O-Ring, Seal Case - 70D 3 711 48278 STG* V-Packing 6 712 48278 STG* V-Packing 6 713 48279 NBR O-Ring, Seal Case - 70D 3 714 48278 STG* V-Packing 6 715 44038 SS Spat - 70D 6 716 44038 SS Spat - 70D 6 717 NBR O-Ring, Seal - 70D 6 718 44039 SS Spat - 70D 6 718 44039 SS Spat - 70D 6 719 44039 SS Spat - 70D 6 710 11691 FPM O-Ring, Seal - 70D 6 714 4039 SS Spat - 70D 6 715 11691 FPM O-Ring, Seal - 70D 6 716 44039 SS Spat - 70D 6 717 NBR O-Ring, Valve Plug - 90D 6 718 44097 SS Spat - 70D 6 719 44097 SS Spat - 70D 6 710 11691 FPM O-Ring, Valve Plug - 90D 6 710 44039 SS Plug, Valve Plug - 90D 6 710 44039 SS Plug, Valve Plug - 90D 6 714 40393 SS Plug, Valve Plug - 90D 6 715 4404 NBR O-Ring, Seal Frushed Port) 1 71 17691 SS Spat - 70D 70 NBR O-Ring, Valve Plug - 70D 7 | | | | • | |
| 65 49637 SS Rod, Plunger 3 70 48281 NBR Seal, Oil Crankcase - 70D 3 75 43328 S Slinger, Barrier 3 90 48559 CC Plunger, Ceramic (Mc2x55) 3 95 49639 SS Stud, Plunger Retainer (Mc6x50) 3 96 43235 PTFE Back-up-Ring, Plunger Retainer 3 97 17399 NBR O-Ring, Plunger Retainer - 80D 3 14160 FPM O-Ring, Plunger Retainer - 80D 3 98 44041 SS Gasket 100 46964 NS Gasket 100 49644 NBR Seal, LPS w/SS-Spg 3 4 48650 EPDM Seal, LPS w/SS-Spg 3 4 49643 SS Case, LPS w/SS-Spg 3 120 49643 SS Case, LPS w/SS-Spg 3 121 13994 NBR O-Ring, Seal Case - 70D 3 122 | | | | | |
| 75 43281 NBR Seal, Oil Crankcase - 70D 3 75 43328 S Slinger, Barrier 3 90 48559 CC Plunger, Ceramic (M22x5S) 3 96 43235 PTFE Back-up-Pling, Plunger Retainer 3 97 17399 NBR O-Ring, Plunger Retainer - 80D 3 14160 FPM O-Ring, Plunger Retainer - 80D 3 4 46204 EPDM O-Ring, Plunger Retainer - 80D 3 98 44011 SS Gasket 3 100 46964 NY Retainer, Plunger (M6) 3 100 46964 NY Retainer, Seal 3 49704 FPM Seal, LPS w/SS-Spg 3 494640 FPM Seal, LPS w/SS-Spg 3 120 49643 SS Case, Seal 121 13994 NBR O-Ring, Seal Case 3 4 48649 EPDM O-Ring, Seal Case 3 4 48278 ST | | | | | |
| 75 43228 5 Slinger, Barrier 3 90 48559 CC Plunger, Ceramic (Mc22x55) 3 95 49639 SS Stud, Plunger Retainer (M6x50) 3 96 43235 PTFE Back-up-Ring, Plunger Retainer - 80D 3 14160 FPM O-Ring, Plunger Retainer - 80D 3 4 6204 EPDM O-Ring, Plunger Retainer - 80D 3 98 44041 SS Gasket 3 99 44031 SS Gasket 3 100 46964 NY Retainer, Plunger (M6) 3 100 49644 NBR Seal, LPS w/SS-Spg 3 4 8650 EPDM Seal, LPS w/SS-Spg 3 4 8650 EPDM Seal, LPS w/SS-Spg 3 120 49643 SS Case, Seal 3 121 13384 NBR O-Ring, Seal Case 3 124 48278 STC* V-Ring, Seal Case 3 < | | | | • | |
| 95 49639 SS Stud, Plunger, (Earanic (M22x55) 95 49639 SS Stud, Plunger Retainer (M650) 96 43235 PTFE Back-up-Ring, Plunger Retainer 97 17399 NBR O-Ring, Plunger Retainer -80D 38 40401 SS Gasket 98 44041 SS Gasket 99 44031 SS Retainer, Plunger (M6) 30 46964 NY Retainer, Seal 100 46964 NY Retainer, Seal 101 49643 SS Retainer, Plunger (M6) 31 49704 FPM Seal, LPS w/S5-Spg 32 49704 FPM Seal, LPS w/S5-Spg 33 49704 FPM Seal, LPS w/S5-Spg 33 120 49643 SS Case, Seal 121 133984 NBR O-Ring, Seal Case -70D 33 122 49643 SS Case, Seal 124 13333 FPM O-Ring, Seal Case 14333 FPM O-Ring, Seal Case 14384 FPF Back-up-Ring, Seal Case 152 49646 SS Adapter, Male 162 43248 PTFE Back-up-Ring, Seat -80D 44329 NBR O-Ring, Seat -80D 44329 NBR O-Ring, Seat -80D 44329 NBR O-Ring, Seat -70D 33 FPM 44328 STG* V-Packing 44328 SS Seat 46206 EPDM O-Ring, Seat -70D 364433 SS Seat 46206 EPDM O-Ring, Seat -70D 37 FPM 44338 FPM O-Ring, Seat -70D 38 FPM 44338 FPM O-Ring, Seat -70D 44338 FPM O-Ring, Seat -70D 44338 SS Valve 46206 EPDM O-Ring, Seat -70D 4644037 SS Seat 46206 EPDM O-Ring, Seat -70D 4656 44038 SS Valve 46206 EPDM O-Ring, Seat -70D 466 44038 SS Valve 46206 EPDM O-Ring, Valve Plug - 90D 466 44038 SS SPIng 4620 Also SS Plug, Valve Plug - 90D 466 44038 SS Plug, Valve Plug - 90D 467 46206 FPDM O-Ring, Valve Plug - 90D 468 Also Also SS Head, Manifold Flushed (1/8* Flushed Port) 4620 30613 SS Plug, Valve Plug - 90D 469 Also Also Also SS Head, Manifold Flushed (1/8* Flushed Port) 47 49293 SS Plug, Valve Plug - 90D 460 Also Also Also Also Also Also Also Also | | | | | |
| 95 | | | | | |
| 96 43235 PTFE Back-up-Ring, Plunger Retainer 97 17399 NBR O-Ring, Plunger Retainer - 80D 14160 FFM O-Ring, Plunger Retainer - 80D 3 14160 FFM O-Ring, Plunger Retainer - 80D 3 8 40401 S5 Gasket 3 3 99 44031 S5 Gasket 3 3 100 45964 NV Retainer, Seal 100 49644 NBR Seal, LPS w/SS-Spg 3 49704 FFM Seal, LPS w/SS-Spg 3 3 120 49643 S5 Case, Seal 121 13984 NBR O-Ring, Seal Case - 70D 3 14333 FPM O-Ring, Seal Case - 70D 3 14333 FPM O-Ring, Seal Case 128 49649 EPDM O-Ring, Seal Case 128 49646 S5 Adapter, Male 162 43248 PTFE Back-up-Ring, Seat 3 164 43249 NBR O-Ring, Seat - 80D 44383 FPM O-Ring, Seat - 70D 66 4438 S5 Seat Adapter, Male 164 44037 S5 Seat 166 44038 S5 Syring 177 NBR O-Ring, Seat - 70D 167 44039 S5 Spring 168 44564 PVDF Retainer, Spring 178 11661 FPM O-Ring, Valve Plug - 90D 179 11671 NBR O-Ring, Valve Plug - 90D 170 4 46206 FPDM O-Ring, Valve Plug - 90D 171 4993 S5 Plug, Valve Plug - 90D 172 17617 NBR O-Ring, Valve Plug - 90D 173 49972 S5 Head, Manifold Flushed (1/8" Flushed Port) 188 49647 S SC FW, Head, Manifold Flushed (1/8" Flushed Port) 188 49647 S S Screw, HSH (MSX70) 189 3000 STL Hub, "Flw All Eleven work MS Screb Eleven Bulletin 003] 170 3370 STL Hub, "Flw All Eleven work MSX70 (M24 x 1 - 1/8") (1847C) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | · | |
| 97 17399 NBR O-Ring, Plunger Retainer - 80D | | | | | |
| 14150 | | | | | |
| ♦ 46204 EPDM O-Ring, Plunger Retainer - 70D 3 98 44041 SS Gasket 3 99 44031 SS Retainer, Plunger (M6) 3 100 49644 NBR Seal, LPS w/SS-Spg 3 106 49644 NBR Seal, LPS w/SS-Spg 3 49704 FPM Seal, LPS w/SS-Spg 3 49650 EPDM Seal, LPS w/SS-Spg 3 120 49643 SS Case, Seal 121 13984 NBR O-Ring, Seal Case 3 121 13984 NBR O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 42249 NBR O-Ring, Seat - 80D 6 164 44037 SS Seat 70D 6 166 44038 | <i>)</i> / | | | · · | |
| 98 | | | | | |
| 99 | 08 | | | | |
| 100 46964 NY Retainer, Seal 3 106 49644 NBR Seal, LPS w/S5-Spg 3 49704 FPM Seal, LPS w/S5-Spg 3 48650 EPDM Seal, LPS w/S5-Spg 3 120 49643 SS Case, Seal 3 121 13984 NBR O-Ring, Seal Case 3 14333 FPM O-Ring, Seal Case 3 4 86649 EPDM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 70D 3 4 6206 EPDM O-Ring, Seat - 70D 3 4 64038 SS Valve 6 164 44039 SS Spring 6 167 44039 SS Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 | | | | | |
| 106 | | | | | |
| 49704 FPM Seal, LPS w/SS-Spg 3 2 48650 EPDM Seal, LPS w/SS-Spg 3 120 49643 SS Case, Seal 3 121 13984 NBR O-Ring, Seal Case - 70D 3 143333 FPM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 70D 3 44383 FPM O-Ring, Seat - 70D 3 164 44037 SS Seat 166 44038 SS Valve 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 168 44564 PVDF Retainer, Spring 6 168 44564 PVDF Retainer, Spring 6 | | | | | |
| ◆ 48650 EPDM Seal, LPS w/SS-Spg 3 120 49643 SS Case, Seal 3 121 13994 NBR O-Ring, Seal Case - 70D 3 14333 FPM O-Ring, Seal Case 3 ◆ 48649 EPDM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 80D 6 4 40206 EPDM O-Ring, Seat - 70D 3 164 44037 SS Seat 6 167 44038 SS Valve 6 167 44038 SS Valve 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 185 46207 EPDM O-R | 100 | | | , 13 | |
| 120 49643 SS Case, Seal 3 121 13984 NBR O-Ring, Seal Case - 70D 3 14333 FPM O-Ring, Seal Case 3 • 48649 EPDM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 80D 163 43249 NBR O-Ring, Seat - 80D 6 44383 FPM O-Ring, Seat - 70D 3 46206 EPDM O-Ring, Seat - 70D 3 164 44037 SS Seat 166 44038 SS Valve 6 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 185 496207 EPDM O-Ring, Valve Plug - 70D 6 185 49641 SS Head, Manifold < | | | | | |
| 121 13984 NBR O-Ring, Seal Case - 70D 3 14333 FPM O-Ring, Seal Case 3 4 8649 EPDM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 80D 6 164 44383 FPM O-Ring, Seat - 70D 3 4 46206 EPDM O-Ring, Seat - 70D 6 164 44037 SS Seat 166 44038 SS Valve 6 167 44039 SS Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 174 49293 SS Plug, Valve Plug - 70D 6 174 49293 SS Head, Manifold 1 188 49641 SS Hea | 120 | | | , 13 | |
| 14333 FPM O-Ring, Seal Case 3 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 80D 6 44383 FPM O-Ring, Seat - 70D 3 4 6206 EPDM O-Ring, Seat - 70D 6 164 44037 SS Seat 6 166 44038 SS Valve 6 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 174 49293 SS Plug - 100 6 185 49641 SS Head, Manifold flushed (1/8" Flushed Port) 1 188 49647 S Screw, HSH (M8x70) 8 260 30613 <t< td=""><td></td><td></td><td></td><td></td><td>_</td></t<> | | | | | _ |
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| 127 48278 STG* V-Packing 6 128 49646 SS Adapter, Male 6 162 43248 PTFE Back-up-Ring, Seat 6 163 43249 NBR O-Ring, Seat - 80D 6 44383 FPM O-Ring, Seat - 70D 3 • 46206 EPDM O-Ring, Seat - 70D 6 164 44037 SS Seat 6 166 44038 SS Valve 6 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 184 49544 PVDF Retainer, Spring 6 174 49293 SS Plug, Valve Plug - 90D 6 185 49641 SS Head, Manifold 1 188 49647 S Screw, HSH (M8x70) 1 269 30206 F Pulley (10") [See Tech Bulletin 003] 1 274 33000 | | | | • | |
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| 164 44037 SS Seat 6 166 44038 SS Valve 6 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 11691 FPM O-Ring, Valve Plug - 90D 6 174 49293 SS Plug, Valve Plug - 70D 6 185 49641 SS Head, Manifold 1 188 49647 S Screw, HSH (M8x70) 8 260 30613 STZP R Mount, Rail, Assy 1 269 30206 F Pulley (10") [See Tech Bulletin 003] 1 277 31570 AL Bell Housing Assy, (184TC, 213-215TC, 20 Hp) 1 278 8370 STL Flexible Coupling Assy (M24 x 1-1/8") (184TC) 1 8375 STL Flexible Coupling Assy (M24 x 1-1/8") (213-215T) 1 | | | | 5. | |
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| 167 44039 SS Spring 6 168 44564 PVDF Retainer, Spring 6 172 17617 NBR O-Ring, Valve Plug - 90D 6 11691 FPM O-Ring, Valve Plug - 90D 6 174 49293 SS Plug, Valve 6 185 49641 SS Head, Manifold 1 49972 SS Head, Manifold Flushed (1/8" Flushed Port) 1 188 49647 S Screw, HSH (M8x70) 8 260 30613 STZP R Mount, Rail, Assy 1 269 30206 F Pulley (10") [See Tech Bulletin 003] 1 274 33000 STL Hub, "H", M24 (Keyway M8) [See Tech Bulletin 003] 1 277 31570 AL Bell Housing Assy, (184TC, 213-215TC, 20 Hp) 1 278 8370 STL Flexible Coupling Assy (M24 x 1-1/8") (184TC) 1 8375 STL Flexible Coupling Assy (M24 x 1-1/8") (213-215T) 1 | | | | | |
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| 188 49647 S Screw, HSH (M8x70) 8 260 30613 STZP R Mount, Rail, Assy 1 269 30206 F Pulley (10") [See Tech Bulletin 003] 1 274 33000 STL Hub, "H", M24 (Keyway M8) [See Tech Bulletin 003] 1 277 31570 AL Bell Housing Assy, (184TC, 213-215TC, 20 Hp) 1 278 8370 STL Flexible Coupling Assy (M24 x 1-1/8") (184TC) 1 8375 STL Flexible Coupling Assy (M24 x 1-3/8") (213-215T) 1 | 185 | | | | |
| 260 30613 STZP R Mount, Rail, Assy 1 269 30206 F Pulley (10") [See Tech Bulletin 003] 1 274 33000 STL Hub, "H", M24 (Keyway M8) [See Tech Bulletin 003] 1 277 31570 AL Bell Housing Assy, (184TC, 213-215TC, 20 Hp) 1 278 8370 STL Flexible Coupling Assy (M24 x 1-1/8") (184TC) 1 8375 STL Flexible Coupling Assy (M24 x 1-3/8") (213-215T) 1 | | | | | |
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| 8375 STL Flexible Coupling Assy (M24 x 1-3/8") (213-215T) 1 | | | | | 1 |
| | 278 | | | | 1 |
| 9390 CTI Florible Coupling Assy (M24 v. 1 F/9") 354T) | | | | | |
| osou STL Piexible Coupling Assy (M24x 1-5/6 / 2541) | | 8380 | STL | Flexible Coupling Assy (M24 x 1-5/8") 254T) | 1 |

EXPLODED VIEW



| ITEM | P/N | MATL | DESCRIPTION | OTY |
|------|----------------|-------|---|-----|
| 283 | 34334 | _ | Kit, Oil Drain (3/8"x24) | 1 |
| 299 | 818456 | SS | Head, Complete | 1 |
| 300 | 76933 | NBR* | Kit, Seal (Inclds: 97, 106, 121, 127) | 1 |
| | 76950 | FPM* | Kit, Seal (Inclds: 97, 106, 121, 127) 7CP6111.0110, 7CP6111GI.0110 | 1 |
| | ♦ 31936 | EPDM* | Kit, Seal (Inclds: 97, 106, 121, 127) 7CP6111.0220 | 1 |
| 310 | 76387 | NBR | Kit, Valve Pre-Assembled (Inclds: 162, 163, 164, 166, 167, 168, 172) | 2 |
| | 76940 | FPM | Kit, Valve Pre-Assembled (Inclds: 162, 163, 164, 166, 167, 168, 172) 7CP6111.0110, 7CP6111GI.0110 | 2 |
| | ♦ 76258 | EPDM | Kit, Valve Pre-Assembled (Inclds: 162, 163, 164, 166, 167, 168, 172) 7CP6111.0220 | 2 |
| 500 | 8081 | _ | Gearbox (See Individual Data Sheet) | 1 |
| | 6119 | _ | Lubricant, Antiseize (2 oz.) [See Tech Bulletin 095] | 1 |
| _ | 6107 | _ | Oil, Bottle (21 oz.) ISO 68 Hydralic (Fill to specified crankcase capacity prior to start-up) | 1-2 |

Bold print part numbers are unique to a particular pump model. Italics are optional items. [] Date of latest production change. Silicone oil/grease required. R Components comply with RoHS Directive. *Review individual parts in each kit for material code identification.

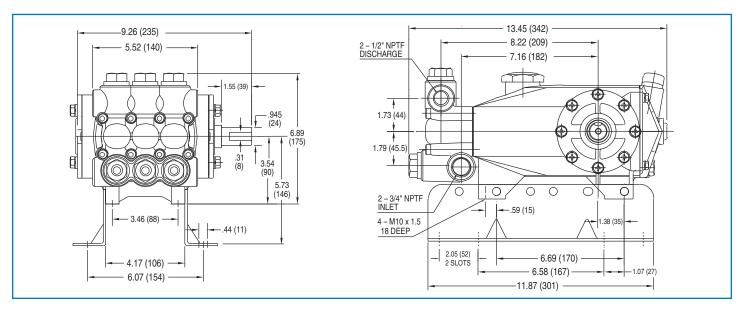
View Tech Bulletins 002, 003, 024, 036, 043, 053, 064, 074, 077, 083 and 095 for additional information.

*MATERIAL CODES (Not Part of Part Number): ABS=ABS Plastic AL=Aluminum CC=Ceramic CM-Chrome-moly

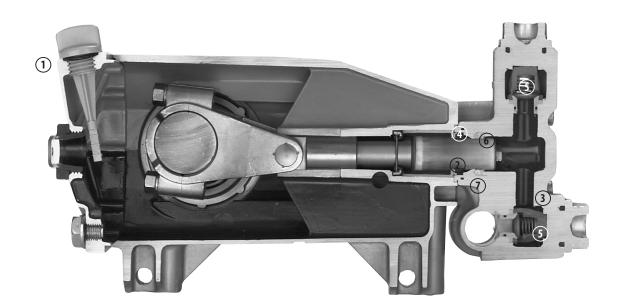
EPDM=Ethylene Propylene Diene Monamer F=Cast Iron FBR=Fiber FCM=Forged Chrome-moly NBR=Medium Nitrile (Buna-N) NY= Nylon PE=Polyethlene

PTFE=Pure Polytetrafluoroethylene PVDF=Polyvinylidene Fluoride RBR= Rubber S=304SS SS=316SS STG=Special Blend PTFE White STL=Steel

STCP=Steel/Chrome Plated STZP=Steel/Zinc Plated TNM=Special High Strength



Models 7CP6111 and 7CP6171



- Dipstick offers optional top access in addition to rear bubble oil gauge for easy oil level check.
- Special concentric, high-density, polished, solid ceramic plungers provide a true wear surface and extended seal life.
- **3 Manifold** is a high tensile strength 316 stainless steel for strength and corrosion-resistance.
- 4 100% wet **seal** design adds to service life by allowing pumped liquids to cool and lubricate on both sides.
- 5 316 Stainless steel **valve** and seats are with hardened and polished for ultimate seating and extended life.
- 6 Exclusive specially formulated V-Packings offer unmatched performance and seal life.
- 7 Press-in style seal case offers alignment and support for seals and "no tools" servicing.
- 8 Special flushed manifold permits external flush for added cooling with high temperature liquids and lubrication with low lubricity liquids. (Not Shown)



CAT PUMPS

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