

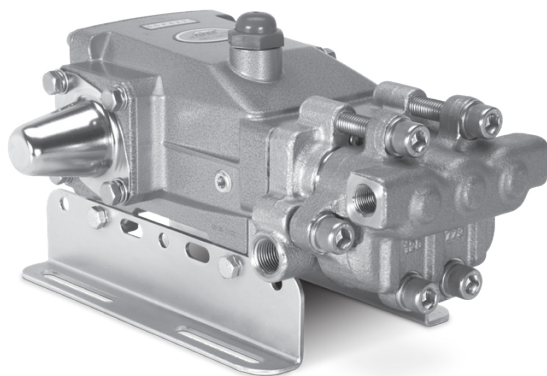
DATA SHEET

5CP PLUNGER PUMP



**Stainless Steel
Model:**

5CPQ6261



Model 5CPQ6221 Shown
(Mounting rails and shaft protector sold separately)

FEATURES

- Triplex plunger design ensures high efficiency and low pulsation.
- Belt-driven option provides precision flow settings.
- Direct-driven option offers a compact footprint for electric motors with a NEMA or IEC frame, or SAE hydraulic motor with a bell housing/flexible coupler assembly.
- Pump comes standard with NBR seals. Alternative seal materials are available for higher temperature or chemical compatibility.

SPECIFICATIONS

U.S. Measure

Metric Measure

5CPQ6261

Flow	7.0 gpm	26.4 l/min
Pressure Range	100 – 1523 psi	6.9 – 105 bar
Pump RPM*	1450 rpm	1450 U/min
Inlet Pressure Range	-5 – 60 psi	-0,35 – 4 bar
Max. Liquid Temperature	160° F	71° C

Alternate seals available for higher temperatures up to 93°C (200 ° F)

Bore	0.787"	20 mm
Stroke	0.787"	20 mm
Crankcase Capacity	17 oz.	0.50 l
Inlet Ports (2)	1/2" NPT(innen)	1/2" NPT(innen)
Discharge Ports (2)	3/8" NPT(innen)	3/8" NPT(innen)
Pulley Mounting	Either Side	Either Side
Shaft Diameter	0.787"	20 mm
Weight	20 lbs.	9 kg
Dimensions	11.47 x 10.0 x 5.75"	291.3 x 254 x 146

*Pump minimum is 100 RPM.

ALTERNATIVE SEAL CONFIGURATION

MATERIAL	SUFFIX CODE	MAXIMUM TEMPERATURE	
NBR	—	160°F	(71°C)
FPM	.0110	180°F	(82°C)
EPDM	.0220	160°F	(71°C)
FFKM	.0770	200°F	(93°C)
HT	.3000	180°F	(82°C)

DETERMINING THE PUMP R.P.M.

$$\frac{\text{Rated gpm}}{\text{Rated rpm}} = \frac{\text{"Desired" gpm}}{\text{"Desired" rpm}}$$

DETERMINING THE REQUIRED H.P.

$$\frac{\text{Hp}}{\text{(Electric Brake)}} = \frac{\text{gpm x psi}}{1460}$$

DETERMINING MOTOR PULLEY SIZE

$$\frac{\text{Motor Pulley O.D.}}{\text{Pump rpm}} = \frac{\text{Pump Pulley O.D.}}{\text{Motor rpm}}$$

Refer to pump **Service Manual** for repair procedure and additional technical information.

PARTS LIST

ITEM	PART NUMBER	MATL	DESCRIPTION	QTY
5CPQ6261				
5	119049	SS	Screw, HHC, Sems (M8x16) (See Tech Bulletin 074)	8
8	46910	AL	Cover, Bearing	2
10	14028	NBR	O-Ring, Bearing Cover	2
11	43222	NBR	Seal, Oil, Crankshaft	2
15	127472	STL	Bearing, Ball	2
20	48742	TNM	Rod Assembly, Connecting (See Tech Bulletin 074)	3
25	48646	FCM	Crankshaft, Dual-End (M20)	1
32	46798	—	Cap, Oil Filler	1
33	14179	NBR	O-Ring, Oil Filler Cap	1
37	92241	PC	Gauge, Oil, Bubble with Gasket (See Tech Bulletin 074)	1
38	44428	NBR	Gasket, Flat, Oil Gauge	1
40	92538	S	Screw, HHC, Sems (M6x16) (See Tech Bulletin 074)	4
48	25625	STCP	Plug, Drain (1/4"x19BSP)	1
49	23170	NBR	O-Ring, Drain Plug	1
50	46940	AL	Cover, Rear	1
51	14044	NBR	O-Ring, Cover, Rear	1
53	48617	AL	Crankcase	1
64	46746	CM	Pin, Crosshead	3
65	48647	BBNP	Rod, Plunger	3
70	46838	NBR	Seal, Oil, Crankcase	3
71	48208	PVDF	Washer, Oil Seal	3
75	43328	S	Slinger, Barrier	3
88	45697	S	Washer, Keyhole (M18 x 10)	3
90	46841	CC	Plunger (M20x50)	3
98	46730	NBR	Washer, Seal	3
99	† 48201	SS	Retainer, Plunger (M6x30) (See Tech Bulletin 074)	3
100	46749	PVDF	Retainer, Seal	3
106	44127	NBR	Seal, Low-Pressure with SS-Spring	3
110	48552	SS	Manifold, Inlet	1
117	119034	S	Screw, HSH (M8x35) (See Tech Bulletin 074)	4
125	833824	SNG	Seal, High-Pressure	3
143	49382	NBR	O-Ring, Inlet Valve Adapter, Rear	3
150	48212	SS	Adapter, Inlet	3
154	43781	NBR	O-Ring, Inlet Valve Adapter, Front	3
155	43781	NBR	O-Ring, Discharge Adapter, Rear	3
157	48211	SS	Adapter, Discharge	3
159	43781	NBR	O-Ring, Discharge Adapter, Front	3
163	43781	NBR	O-Ring, Valve Seat	3
164	48216	SS	Seat	6
165	43793	NBR	O-Ring, Valve Seat	6
166	44038	SS	Valve	6
167	44039	SS	Spring	6
168	44564	PVDF	Retainer, Spring	6
185	48554	SS	Manifold, Discharge	1
186	19085	S	Lockwasher, Split (M12)	6
188	120774	S	Screw, HSH (M12x40) (See Tech Bulletin 074)	2
189	89575	S	Screw, HSH (M12x60) (See Tech Bulletin 074)	4

Bold print part numbers are unique to a particular pump model.

† Production parts are different than repair parts. For additional technical information see www.catpumps.com/literature/tech-bulletins.

MATERIAL CODES (Not Part of Part Number): AL=Aluminum BBNP=Brass/Nickel Plated CC=Ceramic CM=Chrome-Moly EPDM=Ethylene Propylene Diene Monomer

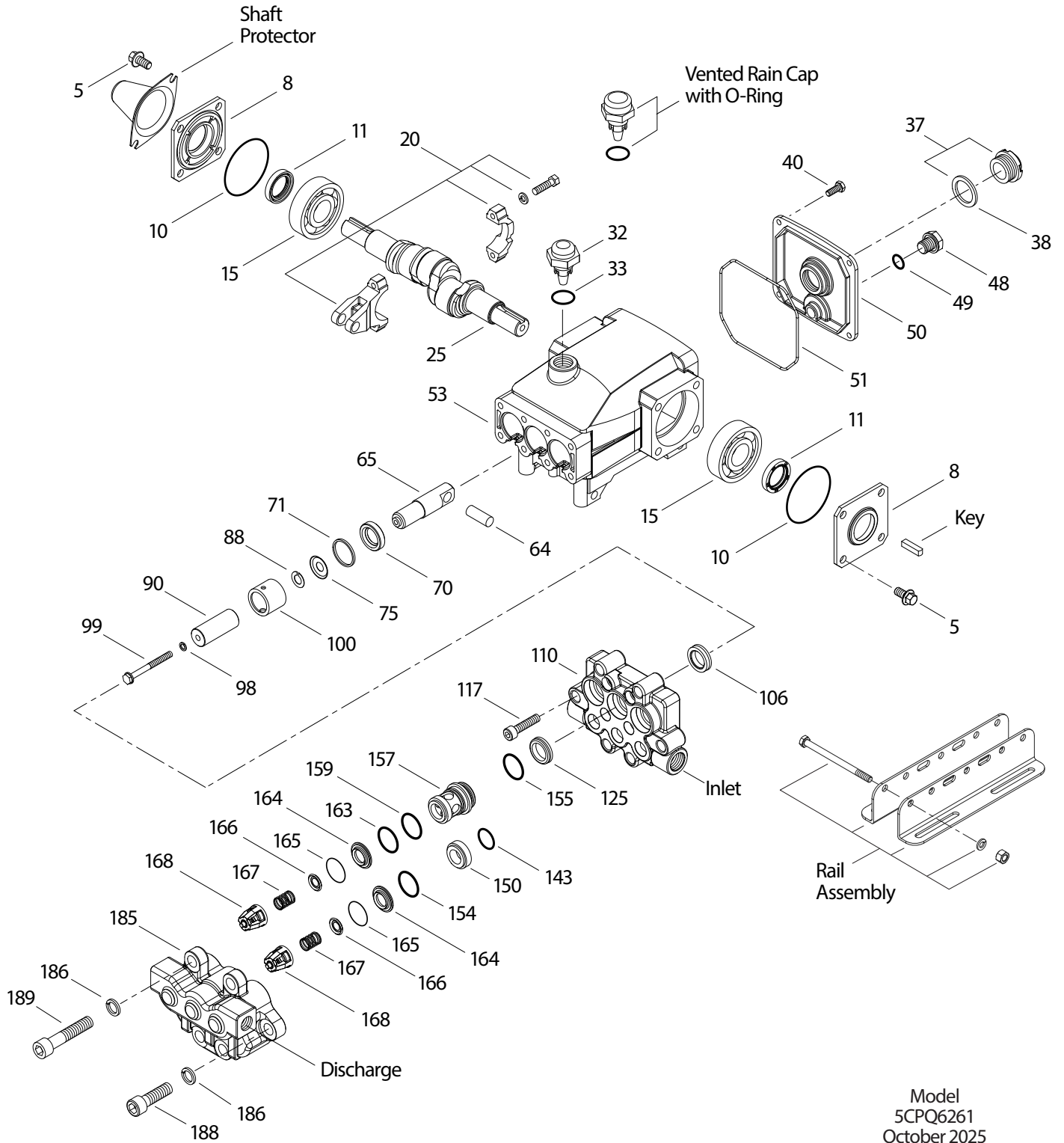
FCM=Forged Chrome-Moly FFKM=Perfluoroelastomer FPM=Fluorocarbon HT=High Temp NBR=Medium Nitrile (Buna-N) PC=Poly Carbonate

PVDF=Polyvinylidene Fluoride S=304SS SS=316SS SNG=Special Blend (Buna) STCP=Steel/Chrome Plated ST4=Special PTFE 4 STZP=Steel/Zinc Plated

STL=Steel TNM=Special High Strength

Optional Parts and Accessories and Service Parts listed on Page 3. Standard and optional Seal and Valve Kits listed on page 4.

EXPLODED VIEW



Model
5CPQ6261
October 2025

OPTIONAL PARTS AND ACCESSORIES

PART	DESCRIPTION	QTY
30057	Key, M6 x 6 x 25	1
126610	Assembly Mount, Rail (STZP R)	1
118672	Protector, Shaft (5CPQ6221, 5CPQ6251)	1
127409	Cap, Rain with O-Ring (Vented)	1
34334	Kit, Oil Drain (3/8" x 24") (Not Shown)	1

SERVICE PARTS

PART	DESCRIPTION	QTY
76283	Kit, Seal - Standard NBR	1
33972	Kit, Valve - Standard NBR	1
6107	Oil, Bottle (0,62 l / 21 oz) ISO-68 Hydraulic (vor Inbetriebnahme mit angegebener Ölmenge füllen)	1
6124	Gasket, Liquid (0,1 l / 3 oz)	1
6139	Lubricant, Antisieze (0,24 l / 8 oz.)	1
30696	Reverse Pliers (Not Shown)	1

