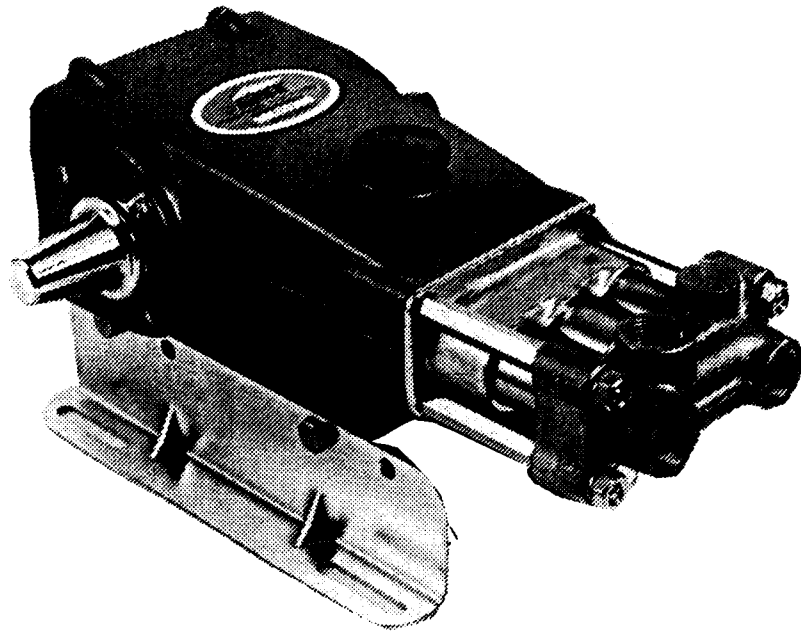




TRIPLEX PISTON PUMP

M O D E L 5 2 0



CAT PUMPS CORPORATION

MODEL 00520

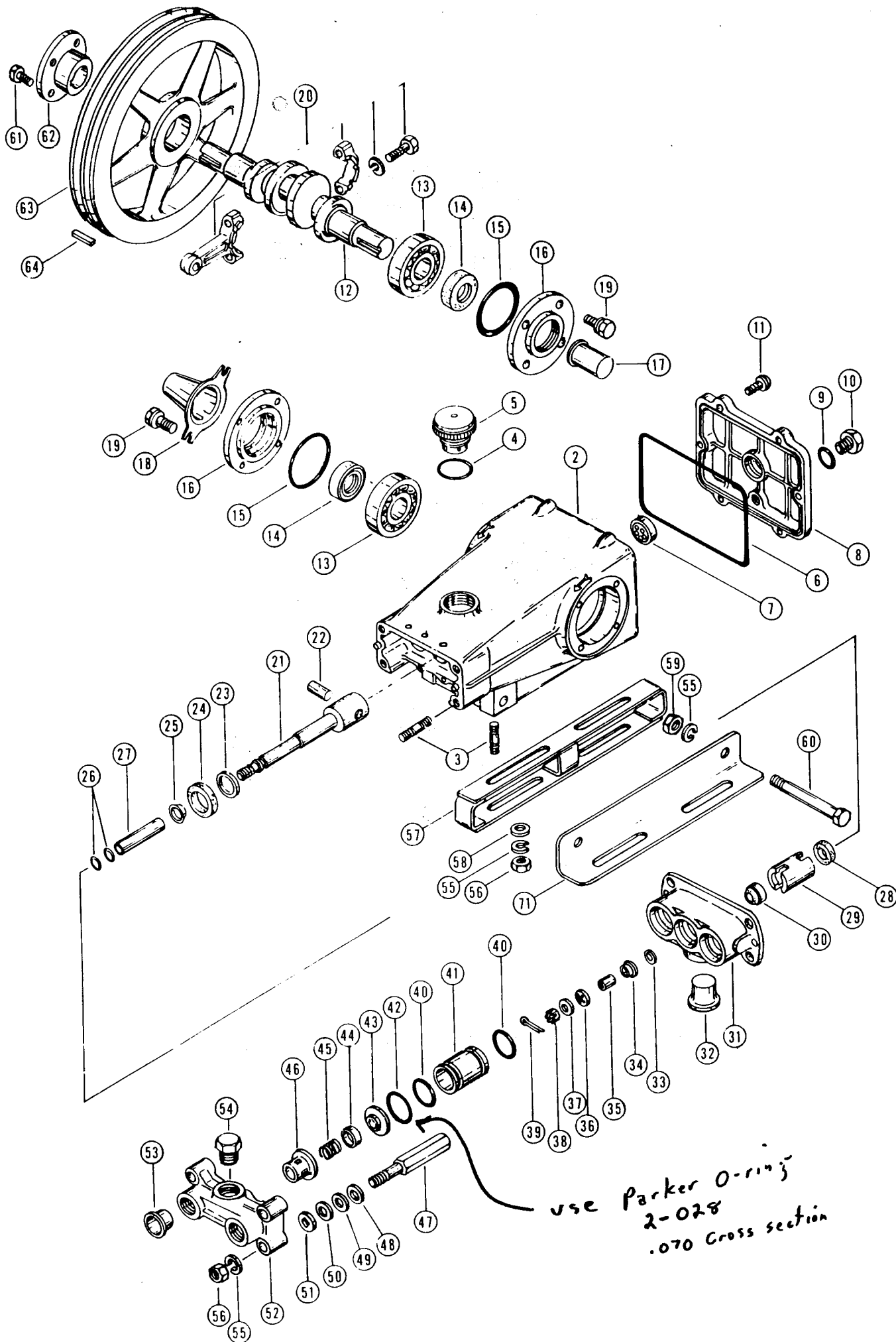
SPECIFICATIONS

VOLUME.	Up to 5 GPM (18.9 liters/min)
DISCHARGE PRESSURE.	Up to 1700 PSI (120 kg/cm ²)
INLET PRESSURE.	-8.5 PSI (0.6 kg/cm ²) to +40 PSI (2.8 kg/cm ²)
RPM	900 RPM
BORE.	.708 In (18 mm)
STROKE.	1.122 In (28.5 mm)
CRANKCASE CAPACITY, CAT PUMP OIL (P/N 06100)-	1 1/4 qts (1.2 liters)
MAXIMUM TEMPERATURE OF PUMPED FLUIDS.	<u>160°F (71°C)</u>
INLET PORTS	(1) 1" NPT
DISCHARGE PORTS	(3) 3/4" NPT
PULLEY MOUNTING	Either Side
SHAFT ROTATION: TOP OF PULLEYS TOWARDS CYLINDERS . . .	Dia 0.984 In (25 mm)
WEIGHT: INCLUDING MOUNTING RAILS	32 lbs (14.4 kg)

PERFORMANCE DATA

AT 1700 PSI (120 kg/cm²)

RPM	500	600	700	800	850	900
Discharge Liters/Min	10.9	12.8	15.1	17.0	18.1	18.9
GPM	2.9	3.4	4.0	4.5	4.8	5.0
Recommended HP	3.9	4.7	5.4	6.2	6.6	7.0



PARTS LIST

CAT PUMP MODEL 520

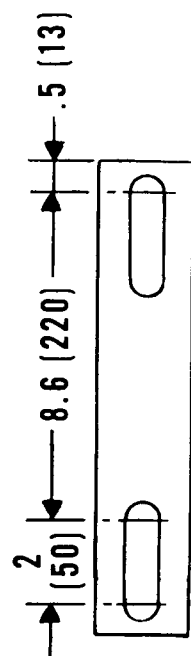
<u>Item</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty/Assy</u>
2	27325	Crankcase Assembly	1
3	14050	Stud	8
4	14177	O-ring - Cap	1
5	27765	Cap Assembly - Oil Filler	1
6	27418	O-ring - Crankcase Cover	1
7	22289	Oil Gauge	1
8	27328	Rear Cover - Crankcase	1
9	23170	O-ring - Drain	1
10	25625	Drain Plug	1
11	19200	Screw (Sems)	6
12	27329	Crankshaft	1
13	47080	Bearing	2
14	27330	Oil Seal	2
15	26965	O-ring - Oil Seal Case	2
16	27331	Oil Seal Case	2
17	27332	Cap - Crankshaft	2
18	25131	Protector	1
19	25811	Bolt (Sems)	8
20	27334	Connecting Rod Assembly	3
21	27337	Piston Rod Assembly	3
22	20251	Piston Pin	3
23	26952	Washer	3
24	27339	Oil Seal	3
25	25327	Cup Washer	3
26	25392	O-ring - Piston Sleeve	6
26A	29003	Ring Back Up - Piston Rod Sleeve	3
27	27340	Piston Sleeve	3
28	28388	Wick - Oil	3
29	27341	Seal Retainer	3
30	25153	Seal Packing	3
31	27344	Inlet Manifold	1
32	26558	Cap - Plastic	1
33	27347	Valve, Inlet	3
34	28955	Piston Assembly	3
35	27348	Spacer - Piston	3
36	27002	Retainer - Piston	3
37	27006	Helical Washer	3
38	27000	Slotted Nut	3
39	14158	Cotter Pin	3
40	26969	O-ring - Cylinder	6
41	28763	Cylinder	3
42	26966	O-ring - Discharge Valve Seat	3
43	27350	Discharge Valve Seat	3
44	20262	Discharge Valve	3
45	20265	Valve Spring	3
46	20264	Retainer - Valve Spring	3
47	28343	Cylinder Bolt	4

PARTS LIST - MODEL 520 (Continued)

<u>Item</u>	<u>Part No.</u>	<u>Description</u>	<u>Qty/Assy</u>
48	26949	Washer	4/8
49	26950	Washer	4/8
50	26951	Washer	4/8
51	27357	Toothed Lock Washer	4
52	30248	Discharge Manifold SS	1
53	27353	Cap - Plastic	2
54	20326	Plug	1
55	12503	Spring Washer	8
56	81118	Nut	8
57	20317	Mounting Rail	2
58	12490	Washer	4
59	81048	Nut	2
60	80416	Bolt	2
61	---	Screw (Included with 30208)	2
62	30234	Hub - Pulley	1
63	30206	Pulley	1
64	50196	Key - Pulley	1
65	28204	Back Up Ring	3
66	28498	Angle Rail	2

ACCESSORIES

6001	Prrrrr-O-Lator II	1
06100	Cat Pumps Crankcase Oil	1
30225	Discharge Valve Kit	1
30226	Seal Replacement Kit	1
30227	Sleeve and Seal Replacement Kit	1



BOTTOM VIEW OF RAIL

DIMENSIONS IN INCHES (MILLIMETERS)