

66 Series, TSF

*Ultra High Flow Triplex Pump***FEATURES**

- Oversized roller bearings
- Fully anodized crankcase
- Innovative new seal design extends seal life
- New plunger design improves thermal shock resistance
- New valve cap improves hydrostatic performance

**SPECIFICATIONS**

Pump Model	TSF2821
Maximum Volume	14.5 GPM
Maximum Discharge Pressure	2500 PSI
Horsepower	24.8 EBHP
Maximum Pump Speed	1450 RPM
Maximum Inlet Pressure	Flooded to 125 PSI
Plunger Bore (in / mm)	1.102 / 28 mm
Plunger Stroke (in / mm)	.826 in / 21 mm
Oil Capacity	33.8 oz.
Maximum Fluid Temp	165° F
Inlet Port Thread	3/4"-14 BSP-F
Discharge Port Thread	3/8"-19 BSP-F
Shaft Diameter (in / mm)	.945 in. / 24 mm
Weight	40.7 lbs / 18.5 kg
Dimensions	14.94" x 9.78" x 6.99"

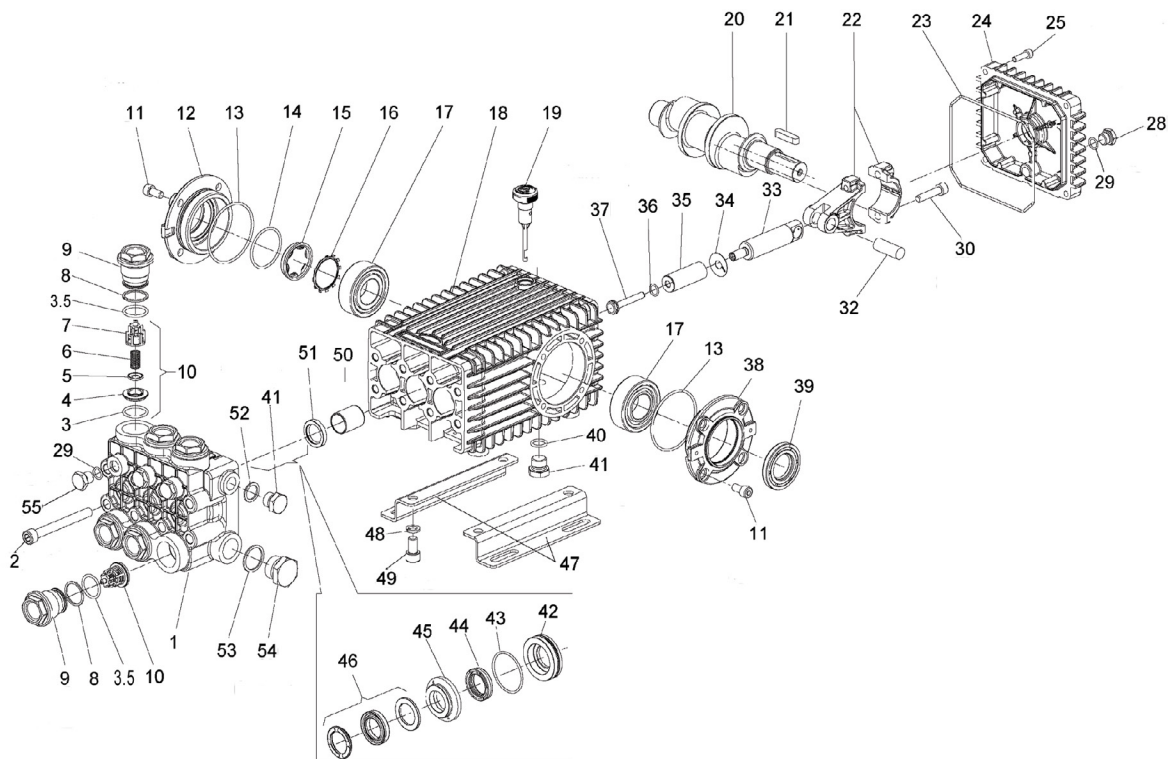


General Pump
is a member of
the Interpump Group



Ref 301160 Rev. A
07-24





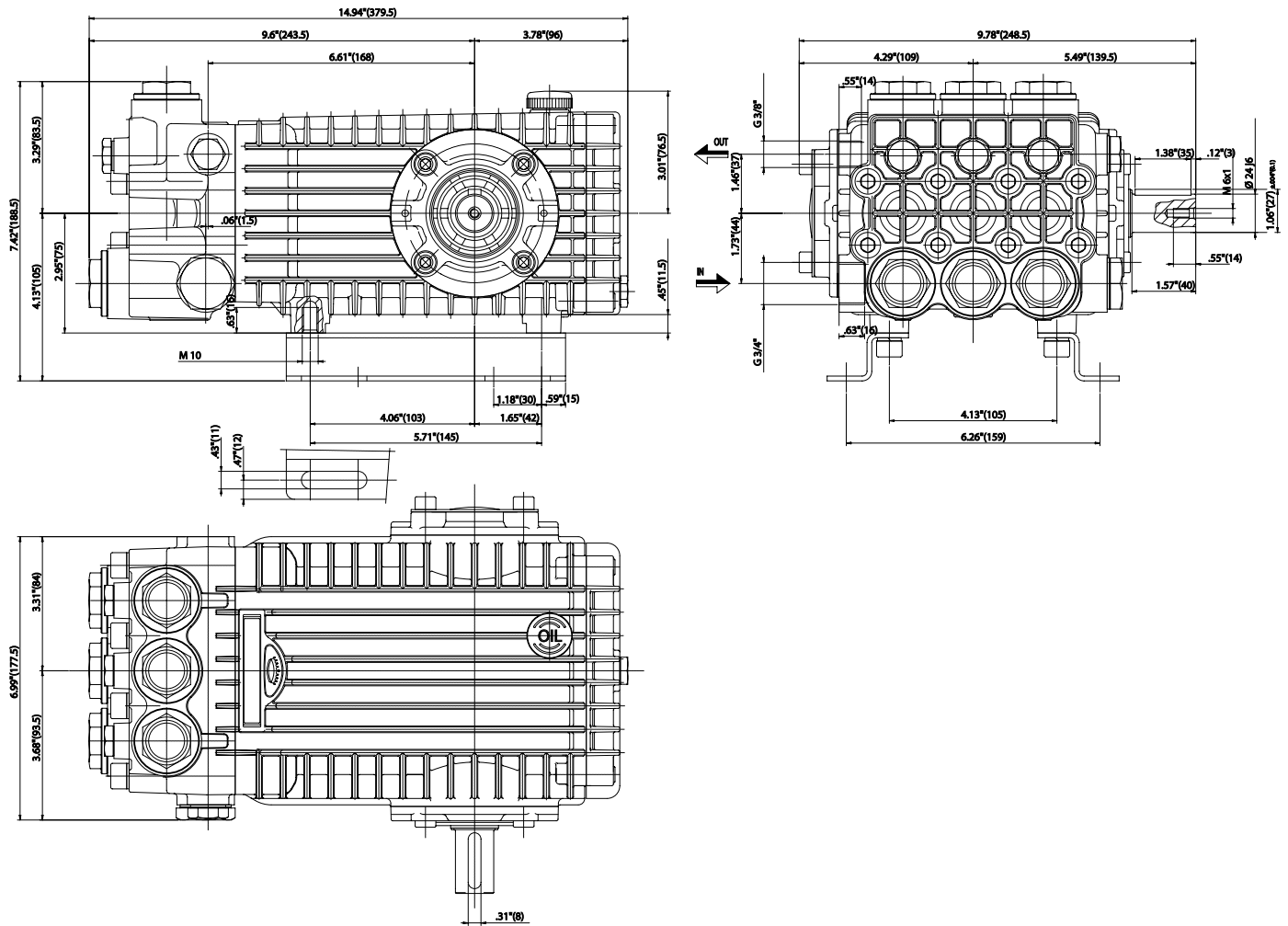
PARTS LIST

POS.	PART NO.	DESCRIPTION	QTY.	POS.	PART NO.	DESCRIPTION	QTY.	POS.	PART NO.	DESCRIPTION	QTY.
1.	66124641	Manifold, Ø 28mm	1	19.	98210600	Dipstick, vented	1	40.	90383300	O-ring, Ø 13.95x2.62	1
2.	99380100	Headbolt M10 x 90	8	20.	66020435	Crankshaft, 21mm Stroke	1	41.	98210000	Plug 3/8 x 13	2
3.	90385700	O-ring, Ø 23.81x2.62	6	21.	91489200	Key, 8x7x35	1	42.	66082570	Seal Retainer, Ø 28mm	3
4.	36203366	Valve Seat	6	22.	66030001	Connecting Rod, Complete	3	43.	90361600	O-ring, Ø 34.65x1.78	3
5.	36203476	Valve Poppet	6	23.	90392200	O-ring, Ø133.02x2.62	1	44.	90275300	LP Seal, Ø 28mm	3
6.	94738800	Valve Spring Ø10x18x18.5	6	24.	66160022	Rear Cover	1	45.	66220070	Intermediate Ring, Ø 28mm	3
7.	36203551	Valve Guide	6	25.	99188400	Screw, M6x20	4	46.	90275400	HP Seal, Ø 28mm	3
8.	90516500	Anti-ext ring Ø24.7x29x1.5	6	28.	98204100	Plug, G1/4"x9	1	47.	47200074	Pump Rail	2
9.	66130041	Plug, M32x1.5x29.5	6	29.	701013	O-ring, Ø .426x.070	4	48.	96710600	Washer M10	4
10.	36712701	Valve Assy., Complete	6	30.	99309900	Screw, M8x35	6	49.	99364400	Screw M10 x 18	4
11.	99303900	Screw M8 x 16	8	32.	97740500	Wrist Pin, 14x39	3	50.	90912600	Guide Bushing	3
12.	47151222	Cover	1	33.	66050066	Piston Guide	3	51.	90162500	Seal, Plunger Rod	3
13.	701147	O-ring, Ø67.95x2.62	2	34.	96710100	Flinger Washer	3	52.	96738000	Gasket, Aluminum 3/8"	1
14.	90387700	O-ring, Ø 39.34x2.62	1	35.	66041009	Plunger, Ø 28mm	3	53.	96770000	Washer	1
15.	70211801	Oil Sight Glass	1	36.	90358400	O-ring, Ø 10.82x1.78	3	54.	98226800	Plug, G3/4"x16	1
16.	90075600	Retainer Clip	1	37.	66219566	Plunger Bolt	3	55.	98204300	Plug 1/4" x 13	3
17.	91838000	Bearing	2	38.	47151022	Side Cover, PTO	1				
18.	66010022	Crankcase	1	39.	90164800	Seal, Shaft	1				

REPAIR KITS

KIT NO.	K02	K03	K169	K248 (28mm)	K247 (28mm)
POS. NO's INCLUDED IN KIT	51	39	3, 4, 5, 6, 7 (10)	44, 46	42, 43, 44, 45, 46
NUMBER OF ASSEMBLIES IN KIT	3	1	6	3	1
NUMBER OF CYLINDERS KIT WILL SERVICE	3	N/A	3	3	1

DIMENSIONAL DRAWING



TORQUE SPECS*

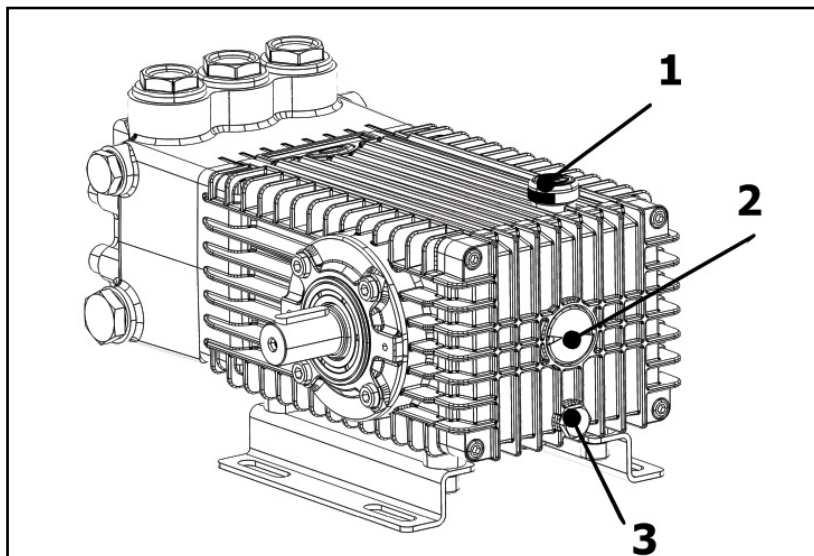
POS.	Nm	Ft/lb
2	45	33.2
9	130	95.9
11	20	14.8
25	10	7.4
28	20	14.8
30	20	14.8
37**	20	14.8†
41	40	29.5
49	40	29.5
54	70	51.6
55	40	29.5

* Decrease torque by 20% if threads are lubricated

** Use Loc-Tite 542 or similar

OIL CHANGING

1. Oil changing must be done with the pump at operating temperature.
- 1.2 Put a container under the oil drain plug (3).
- 1.3 Remove the oil dipstick (1) and then the drain plug (3).
- 1.4 Wait until all the oil has drained out, then screw the drain plug (3) and tighten at the torque shown in the exploded diagram and above table.
- 1.5 Fill with new oil (General Pump Series 100) until the middle of the oil sight glass is reached, screw by hand the oil dipstick (1).



WARNING: 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 properly could result in personal injury or damage to pump or property. GP does not assume any liability or responsibility for the operation of the user's high pressure system.



WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov