

FEATURES

- The preferred pump frame in the pressure cleaning industry
- Forged brass manifold with an exclusive lifetime warranty
- Large-capacity, die-cast, anodized aluminum oil-bath crankcase
- Over-sized connecting rods for maximum life
- Heavy-duty tapered roller bearing.
- Solid ceramic plungers with continuously lubricated packings
- Unitized stainless steel inlet and discharge valves
- Available in left-handed “L” version

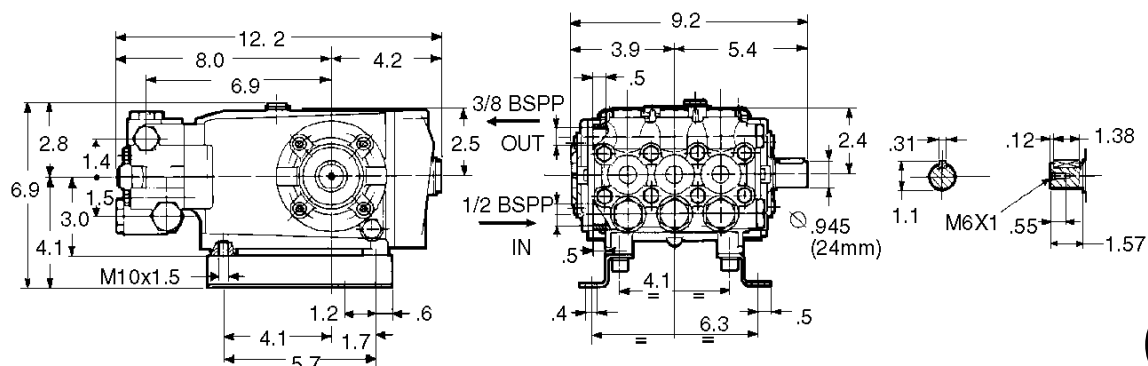


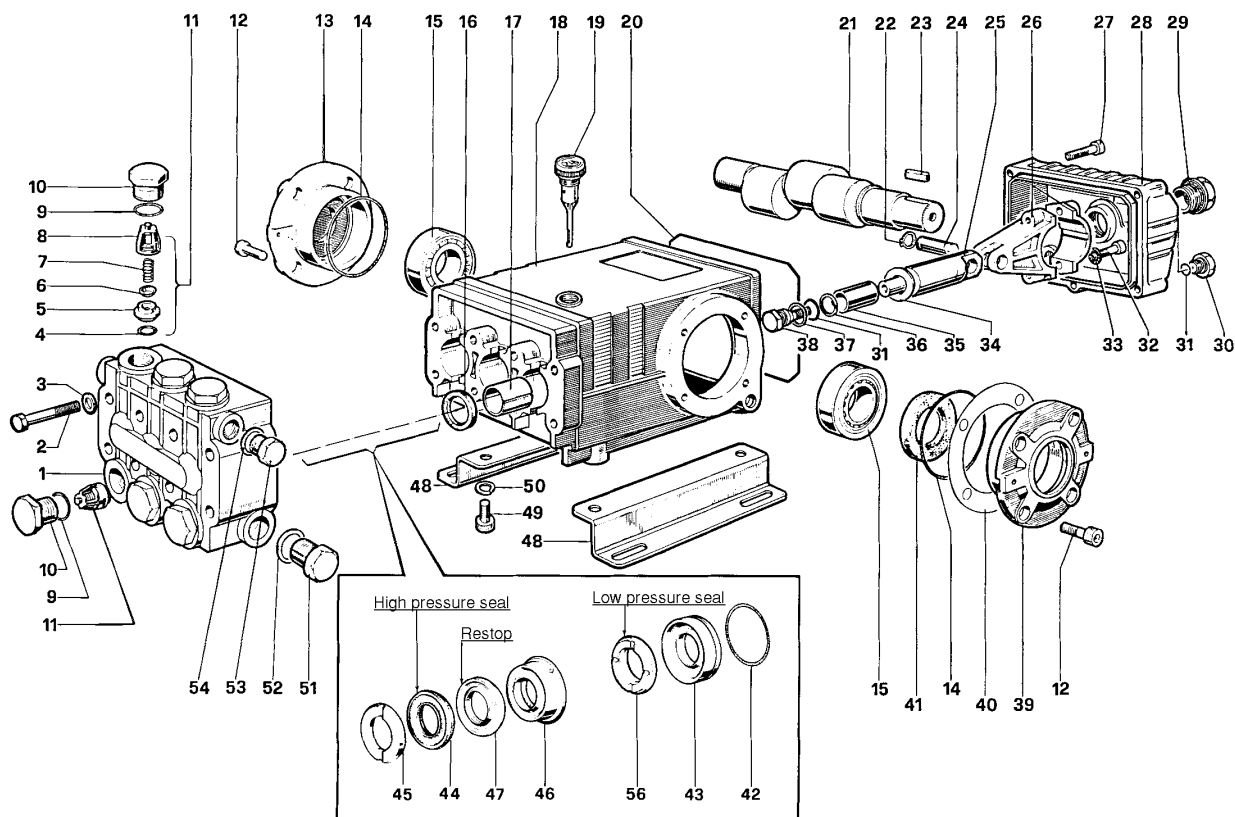
SPECIFICATIONS

Pump Model	TS921	TS1321	TS1621-N
Maximum Volume	4.75 GPM		
Maximum Discharge Pressure	1800 PSI	2100 PSI	2500 PSI
Maximum Pump Speed	1450 RPM		
Maximum Inlet Pressure	125 PSI		
Maximum Inlet Vacuum	9 ft. water (7.9 in. Hg)		
Bore	.866 in. / 22 mm		
Stroke	.472 in. / 12 mm		
Crankcase Oil Capacity	33.8 oz	40.6 oz..	
Maximum Fluid Temperature	165°F		
Inlet Port Thread	1/2-14 BSPP-F		
Discharge Port Thread	3/8-19 BSPP-F		
Shaft Diameter.	.945 in. / 24 mm		
Weight	30 lbs.	32 lbs.	
Dimensions	12.2 x 9.2 x 6.9 in.		

N=Nickel-plated manifold

DIMENSIONAL DRAWING





PARTS LIST

ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.	ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.	ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.
1	47120841	Manifold, Brass	1	1	19	98210600	Oil Dip Stick	1	1	37	96728000	Washer	6	3
	47120941	Manifold, Nickel-Plated (T1621-N)			20	90392200	O-Ring, Cover	1	1	38	47219566	Screw, Plunger	6	3
2	99320600	Screw, M8 x 70	8	8	21	47021735	Crankshaft	1	1	39	47150022	Cover, Crankcase	14, 29	3
3	96702000	Washer, M8.4	8	8	22	90055700	Ring, Snap	6	6	40	97567800	Shim	29, 148	3
4	90384100	O-Ring, .674 x .103	1	6	23	91489000	Key	1	1	41	90164800	Seal, Oil	11, 29	3
5	36200366	Seat, Valve	1	6	24	97738000	Pin, Wrist	3	3	42	90361600	O-Ring, 1.364 x .070	29, 149	3
6	36200176	Plate, Valve	1	6	25	47050554	Guide, Plunger	3	3	43	47080670	Retainer, Packing	29, 148	3
7	94737600	Spring	1	6	26	47030001	Rod, Connecting	3	3	44	90272500	Packing	29, 148	3
8	36200251	Guide, Valve	1	6	27	99191200	Screw, M6 x 30	5	5	45	46100051	Ring, Head, M22	11, 29	3
9	90384700	O-Ring, .797 x .103	4, 5	6		99183700	Screw, M6 x 14 (T921)			46	47217070	Intermed. Ring	29, 149	3
10	98222000	Cap	4	6	28	47160122	Cover, Crankcase	1	1	47	90273000	Restop Ring	29, 148, 149	3
	98222200	Cap, Ni-Plated (T1621-N)	5			47160022	Cover, Crankcase (T921)			48	47200074	Pump Feet		2
11	36703201	Valve Assembly	1	6	29	97596800	Oil Indicator	1	1	49	99364400	Screw, M10 x 18		4
12	99303900	Screw, M8 x 16	8	8	30	98204100	Cap	1	1	50	96710600	Washer, M10.2		4
13	47150122	Cover, Crankcase	1		31	90358500	O-Ring, .426 x .070	6	4	51	98217600	Cap		1
14	90391300	O-Ring, 2.675 x .103	2		32	99309900	Screw, M8 x 35	6	6	52	96751400	Washer, M21.5		1
15	640047	Bearing, Roller	2		33	96701400	Washer, M8.4	6	6	53	98210000	Cap		1
16	90162500	Seal, Oil	2	3	34	96728600	Washer, M14	6	3	54	96738000	Washer, M17.5		1
17	90912600	Bushing	3		35	47040509	Plunger, (22 mm)	3	3	56	90272800	Seal, Low Press., 22mm	29, 148	3
18	47010522	Crankcase	1		36	90506700	Ring, Back-up	6	3					

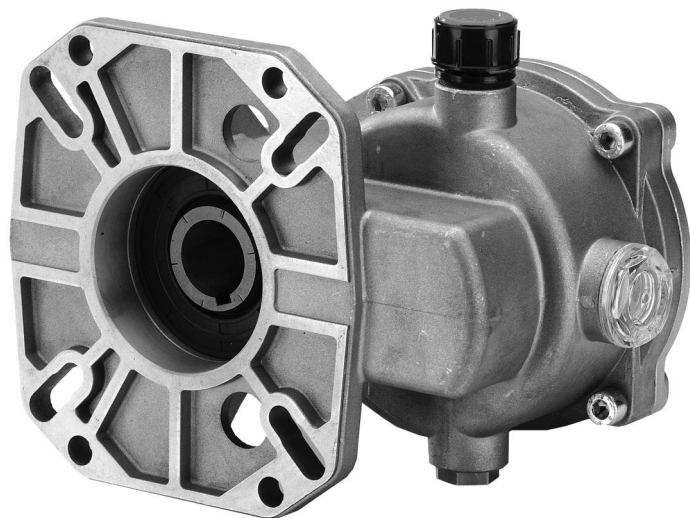
REPAIR KITS

KIT NO.	1	2	3	4	5	6	11	14	29	148	149
ITEM NO.s INCLUDED IN KIT	4, 5 6, 7, 8 (11)	16	41	9, 10	9, 10	31, 34, 36, 37, 38	45	42, 43	42, 43, 44, 45, 46, 47, 56	44, 47, 56	46, 47
NUMBER OF ASSEMBLIES IN KIT	6	3	2	6	6	3	6	3	1	3	3
NUMBER OF CYLINDERS KIT WILL SERVICE	3	3	-	3	3	3	3	3	1	3	3

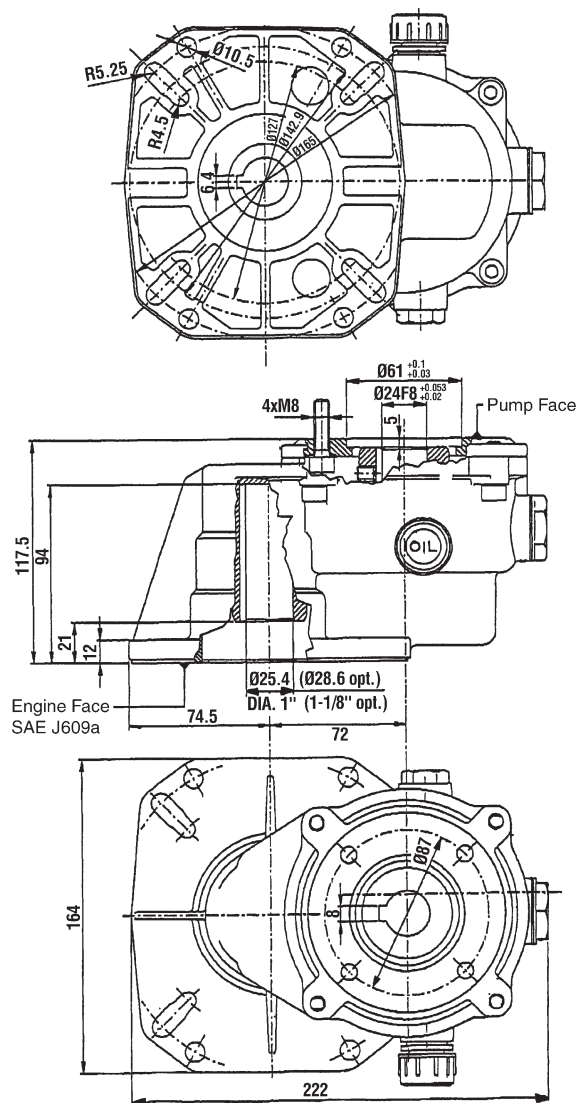
TORQUE SPECS*

Position	Ft.-lbs.
2	22.1
10	73.7
12	14.7
27	7.3
29	13.2
30	14.7
32	14.7
38	14.7
49	29.4
51	29.4
53	29.4

*Decrease torque by 20% if threads are lubricated.



DIMENSIONS



YGR1000/1125

Gear Reducer

SPECIFICATIONS

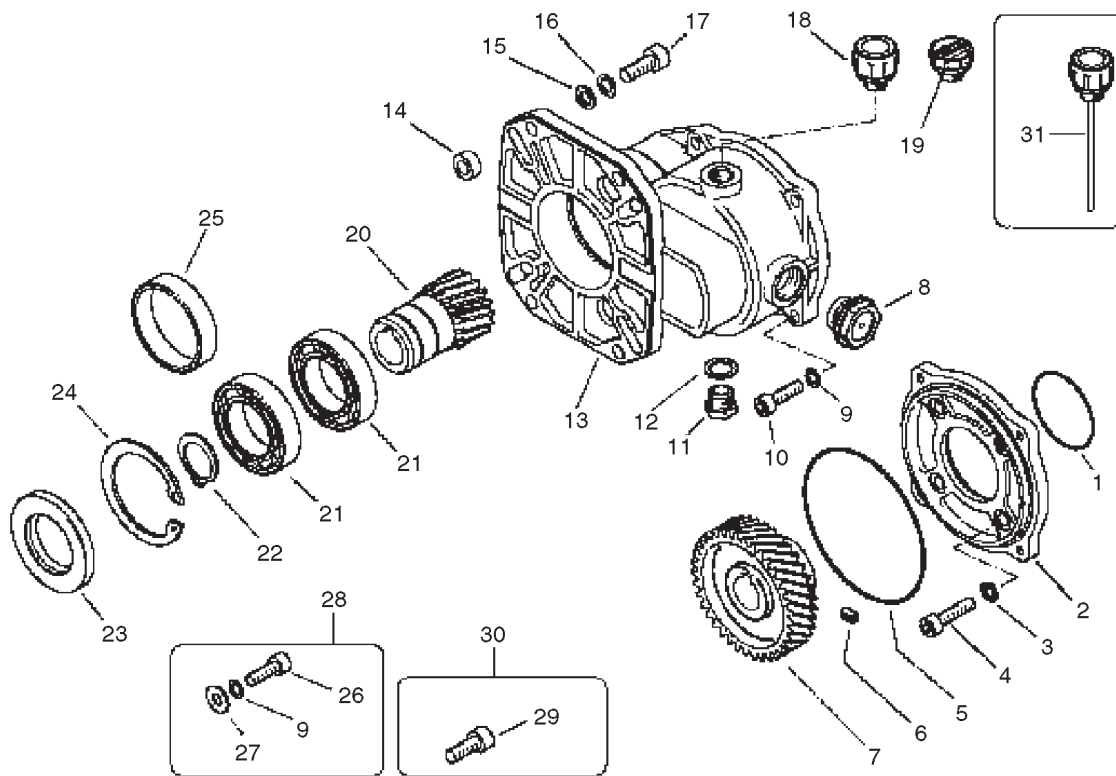
Part Number	YGR1000	YGR1125
Maximum Speed	3100	3100
Engine Shaft Diameter	1"	1.125"
Maximum Horsepower	18	18
Gear Ratio	2.2:1	2.2:1
Weight	5.8 lbs.	5.8 lbs.
Flange – SAE	J609a	J609a
Pump Shaft	24 mm	24 mm
Oil Capacity	10 oz.	10 oz.
Oil	SAE 90	SAE 90

FEATURES

- Compact design with easy-mount, universal flange for quick and direct coupling to a wide range of engines.
- Oil bath lubrication combined with premium quality, hardened steel helical gears for quiet operation and extended life.
- Oversized bearing system is self-aligning. Reduces load on motor bearings and pump bearings.
- Reversible mounting for right or left hand drive gas engines. Includes reversible dipstick and oil level sight glass.

YGR1000/1125

Gear Reducer

GENERAL PUMP*A member of the Interpump Group*

PARTS LIST

No.	Part No.	Description	Qty	No.	Part No.	Description	Qty
1.	Y10321056	O-Ring, 2.62 x 56.82 mm	1	18.	Y15372600	Oil Plug	1
2.	Y50000244	Flange	1	19.	Y15372500	Shipping Cap	1
3.	Y14409600	Washer, M6 mm	4	20.	Y50000621	Pinion, 1", Z17 (YGR1000)	1
4.	Y16195831	Screw, M8 x 30 mm	4	20.	Y50000721	Pinion, 1-1/8", Z17 (YGR1125)	1
5.	Y10321111	O-Ring, 2.62 x 113.92 mm	1	21.	Y11444068	Bearing, 40 x 68 x 15 mm	2
6.	Y16222300	Screw, M8 x 10 mm	1	22.	Y10104000	Snap Ring, E, 40 mm	1
7.	Y50000365	Crown Gear, Z37	1	23.	Y10204072	Seal, 40 mm	1
8.	Y15373400	Oil Level Indicator	1	24.	Y10107200	Snap Ring, 72 mm	1
9.	Y14365200	Washer, Safety 8.4 mm	8	25.	Y50010161	Spacer, 68 mm	1
10.	Y16195826	Screw, M8 x 25 mm	4	26.	Y16200900	Screw, 5/16" x 1	4
11.	Y60002831	Oil Drain Plug, G3/8	1	27.	Y14357200	Washer, 8.4 x 20 mm	4
12.	Y14404200	Washer, 16 x 22 mm	1	28.	Y50001024	Bolt Kit, 127 mm, 5/16"	1
13.	Y50060144	Crankcase	1	29.	Y16203500	Screw, M10	4
14.	Y50000831	Spacer	1	30.	Y50001124	Bolt Kit, 165 mm, M10	1
15.	Y14379800	Washer, 10 x 17 mm	4	31.	Y15372800	Dipstick	1
16.	Y14365300	Washer, Safety, 10.5 mm	4				
17.	Y16201000	Screw, 3/8" x 1-1/4"	4				