

OPERATOR'S MANUAL

650944-X-B

INCLUDING: SPECIFICATIONS, SERVICE KITS, GENERAL INFORMATION, TROUBLESHOOTING.

INCLUDE MANUALS: 66301-X Lower Pump End (pn 97999-647), 67147-B Hydraulic Motor (pn 97999-1219) & S-632 General Information Manual (pn 97999-624)

RELEASED: 8-1-97

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(REV. E)

2.062 SQ." HYDRAULIC MOTOR
3.3:1 RATIO
6" STROKE

650944-XXX-B
TWO BALL PUMP SERIES
 300 SERIES STAINLESS STEEL



READ THIS MANUAL CAREFULLY BEFORE INSTALLING, OPERATING OR SERVICING THIS EQUIPMENT.

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

SERVICE KITS

- Use only genuine ARO® replacement parts to assure compatible pressure rating and longest service life.
- **637449** for repair of hydraulic motor section.
- **637306-X43** for repair of lower pump section. Refer to the chart on page 2 for description of -XXX options.

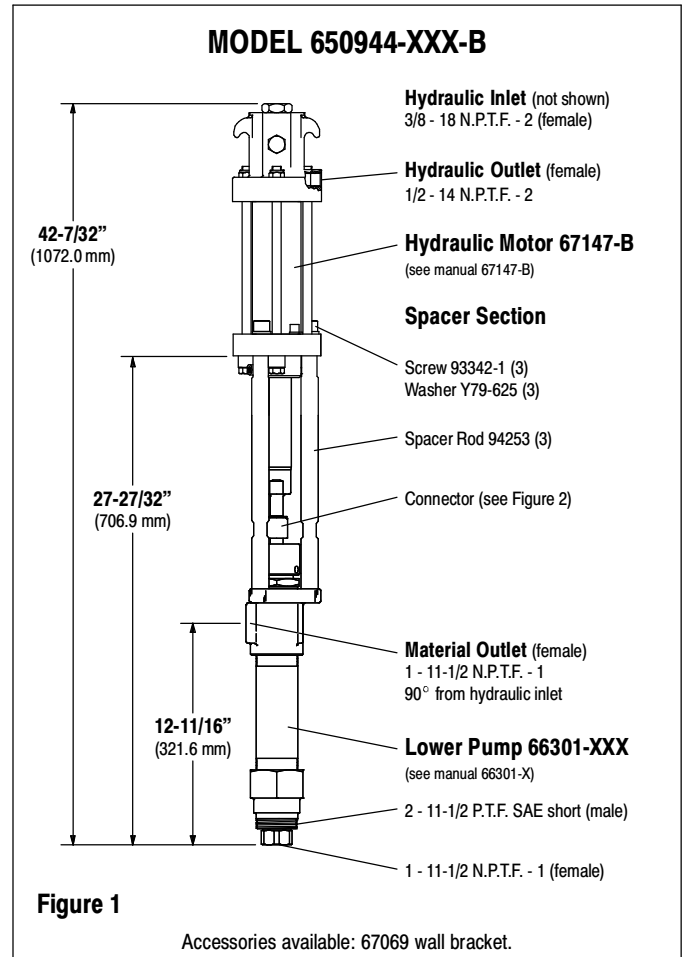
SPECIFICATIONS

Model Series (refer to option chart)	650944-XXX-B
Type	Hydraulically Operated, Two Ball
Ratio	3.3:1
Hydraulic Motor	67147-B
Motor Repair Kit	637449
Motor Size	2.062 sq." (13.3 sq. cm)
Stroke	6" (15.2 cm)
Hydraulic Inlet (female)	3/8 - 18 N.P.T.F. - 2
Hydraulic Return (female)	1/2 - 14 N.P.T.F. - 2
Lower Pump End Series	66301-XXX
Lower Pump Repair Kit	637306-X43
Material Inlet (female)	1 - 11-1/2 N.P.T.F. - 1
(male)	2 - 11-1/2 P.T.F. (short)
Material Outlet (female)	1 - 11-1/2 N.P.T.F. - 1
Weight	41.3 lbs (18.7 kgs)

PERFORMANCE

Hydraulic Inlet Pressure Range	50 - 1200 p.s.i. (3.4 - 82.8 bar)
Fluid Pressure Range	165 - 3960 p.s.i. (11.4 - 273.1 bar)
Required H-power @ 50 c.p.m.	3.2 @ 1200 (82.8 bar)
Hydraulic flow required @ 50 c.p.m.	4.9 g.p.m. (18.5 l.p.m.)
Maximum rec'd Cycles / Minute	50
Displacement In³ Per Cycle	7.434
Volume / Cycle	4.1 oz. (121.8 ml)
Cycles Per Gallon	31.1
Flow @ 50 Cycles / Minute	1.6 g.p.m. (6.1 l.p.m.)
Noise Level	N/A
Maximum Temperature Limit	130° F (54° C)

PUMP DATA



IMPORTANT

This is one of the four documents which support the pump. Replacement copies of these forms are available upon request.

- 650944-X-B Model Operator's Manual (pn 97999-740)
- S-632 General Information - Industrial Piston Pumps (pn 97999-624)
- 66301-X Lower Pump End Operator's Manual (pn 97999-647)
- 67147-B Hydraulic Motor Operator's Manual (pn 97999-1219)