

# SALES & ENGINEERING DATA

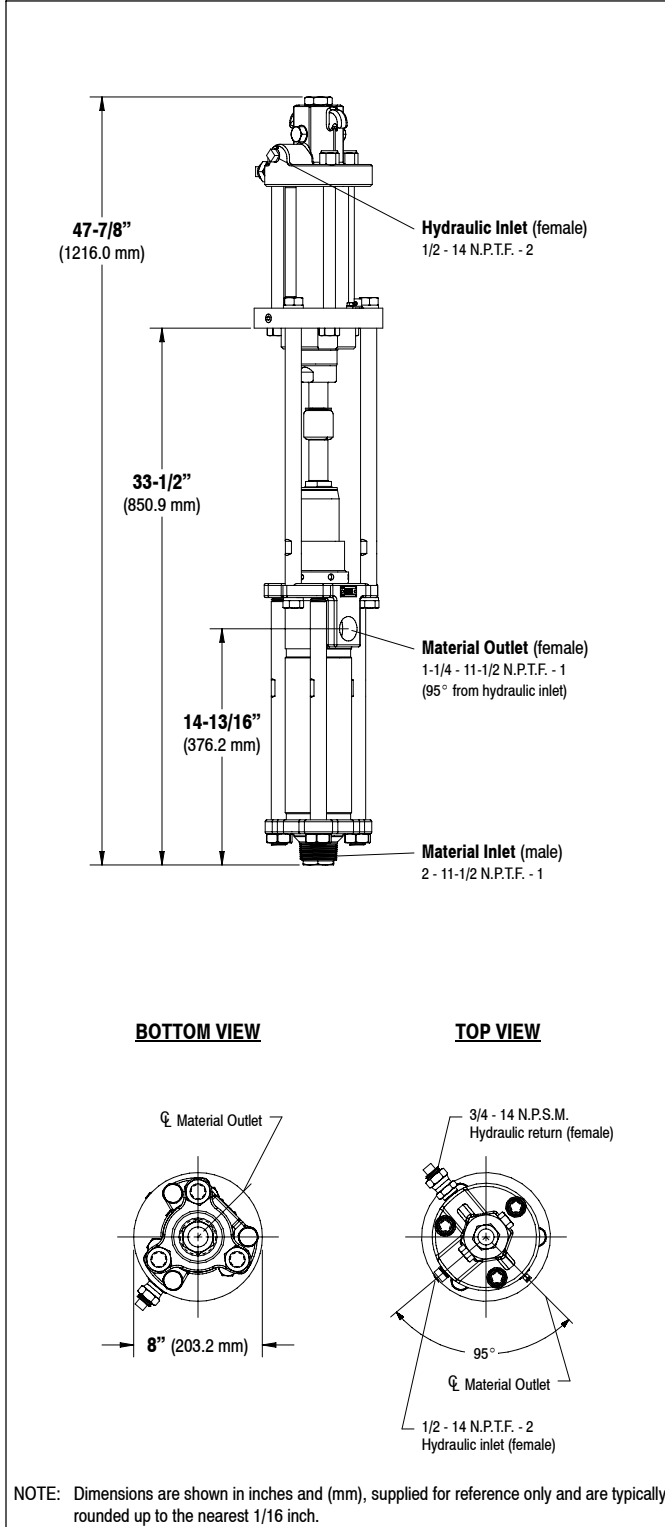
RATIO SERIES: **0.8:1**

FLUID P.S.I. RANGE: **40 - 1600**

## 650940-XXD-B TWO - BALL PUMP

RELEASED: 9-21-01  
REVISED: 5-26-10  
REV. 05 S-1024

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

<b>Model Series</b> (refer to option chart)	650940-XXD-B
<b>Pump Type</b>	Hydraulic Operated, Two Ball, Double Acting Pump
<b>Ratio</b>	0.8:1
<b>Hydraulic Motor</b>	67314-B
<b>Motor Repair Kit</b>	637450
<b>Motor Size</b>	4.125 sq." (26.6 sq. cm)
<b>Stroke</b>	6" (15.2 cm)
<b>Hydraulic Inlet (female)</b>	1/2 - 14 N.P.T.F. - 2
<b>Hydraulic Return (female)</b>	3/4 - 14 N.P.S.M.
<b>Lower Pump End Series</b>	66941-XXD
<b>Lower Pump Repair Kit</b>	637211-XX3
<b>Packing Options:</b>	

C - UHMW-PE
K - Carbon Graphite filled PTFE with Nitrile Energizer
L - Mineral filled PTFE
P - UHMW-PE / Mineral filled PTFE staggered upper • UHMW-PE lower
R - Mineral filled PTFE / UHMW-PE staggered upper • Mineral filled PTFE lower

<b>Material Inlet (male)</b>	2 - 11-1/2 N.P.T.F. - 1
<b>Material Outlet (female)</b>	1-1/4 - 11-1/2 N.P.T.F. - 1

#### MATERIALS OF CONSTRUCTION

<b>Outlet Body</b>	CF-8M Stainless Steel (316)
<b>Cylinder</b>	15-5 Stainless Steel, Chrome plated
<b>Plunger</b>	15-5 Stainless Steel, Chrome plated
<b>Upper Ball</b>	440 Stainless Steel
<b>Upper Seat</b>	650940-X6D-B .. 440 Stainless Steel 650940-XDD-B .. Tungsten Carbide
<b>Lower Ball</b>	440 Stainless Steel
<b>Lower Seat</b>	650940-X6D-B .. 440 Stainless Steel 650940-XDD-B .. Tungsten Carbide
<b>Inlet Body</b>	CF-8M Stainless Steel (316)
<b>Weight</b>	140 lbs (63.5 kgs)

#### PERFORMANCE

<b>Hydraulic Inlet Pressure Range</b>	50 - 2000 p.s.i. (3.4 - 137.9 bar)
<b>Fluid Pressure Range</b>	40 - 1600 p.s.i. (4.1 - 110.3 bar)
<b>Required H-power @ 50 c.p.m.</b>	3.2 @ 1200 (82.8 bar)
<b>Hydraulic flow req'd @ 50 c.p.m.</b>	8.7 g.p.m. (32.9 l.p.m.)
<b>Maximum Rec'd Cycles / Minute</b>	50
<b>Displacement In<sup>3</sup> Per Cycle</b>	59.6
<b>Volume / Cycle</b>	33.0 oz. (976.4 ml)
<b>Cycles Per Gallon</b>	3.9
<b>Flow @ 50 Cycles / Minute</b>	12.9 g.p.m. (48.8 l.p.m.)
<b>Noise Level</b>	N / A
<b>Maximum Temperature Limit</b>	130° F (54° C)

#### ACCESSORIES:

62151 Wall Mount Bracket  
65138 Floor Mount  
67136 Floor / Follower Adapter

**PERFORMANCE CURVES**

