

SALES & ENGINEERING DATA

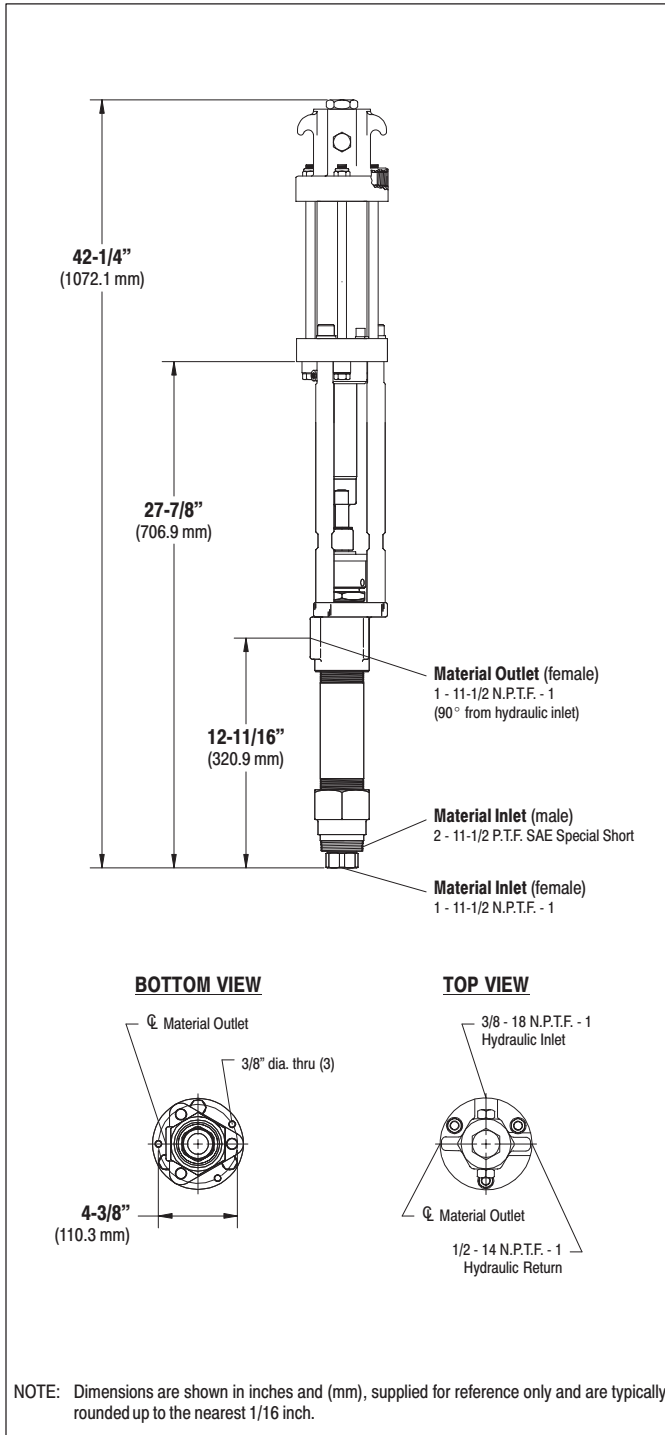
RATIO SERIES: **1.7:1**

FLUID P.S.I. RANGE: **85 - 2040**

650943-XXX-B TWO - BALL PUMP

RELEASED: 9-20-01
REVISED: 7-30-02
S-1249

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

| | |
|---|---|
| Model Series (refer to option chart) | 650943-XXX-B |
| Pump Type | Hydraulically Operated, Two-Ball, Double Acting Pump |
| Ratio | 1.7:1 |
| Hydraulic Motor | 67147 |
| Motor Repair Kit | 637315 |
| Motor Size | 2.062 sq." (13.3 sq. cm) |
| Stroke | 6" (15.2 cm) |
| Hydraulic Inlet (female) | 3/8 - 18 N.P.T.F. - 1 |
| Hydraulic Return (female) | 1/2 - 14 N.P.T.F. - 1 |
| Lower Pump End Series | 66300-XXX |
| Lower Pump Repair Kit | 637305-X43 |
| Packing Options: | |

| | |
|-----|---|
| 3 - | Glass filled Teflon |
| C - | UHMW-PE |
| G - | UHMW-PE / Leather staggered |
| P - | UHMW-PE / Glass filled Teflon staggered upper • UHMW-PE lower |
| R - | Glass filled Teflon / UHMW-PE staggered upper • Glass filled Teflon lower |

| | |
|---------------------------------|-----------------------------------|
| Material Inlet (female) | 1 - 11-1/2 N.P.T.F. - 1 |
| (male) | 2 - 11-1/2 P.T.F. SAE spec. short |
| Material Outlet (female) | 1 - 11-1/2 N.P.T.F. - 1 |

MATERIALS OF CONSTRUCTION

| | |
|----------------------------------|-------------------------|
| Outlet Body | CF-8M Stainless Steel |
| Cylinder (650943-XX3-B) | 316 SS, Hard Chrome |
| (650943-XXB-B) | 316 SS, Ceramic coated |
| Plunger (650943-XX3-B) | 17-4 SS, Hard Chrome |
| (650943-XXB-B) | 17-4 SS, Ceramic coated |
| Upper Ball (650943-X4X-B) | 316 Stainless Steel |
| (650943-X7X-B) | 440 Stainless Steel |
| Upper Seat | Tungsten Carbide |
| Lower Ball (650943-X4X-B) | 316 Stainless Steel |
| (650943-X7X-B) | 440 Stainless Steel |
| Lower Seat | Tungsten Carbide |
| Inlet Body | CF-8M Stainless Steel |
| 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 | 85 - 2040 p.s.i. (5.9 - 140.7 bar) |
| Required H-power @ 50 c.p.m. | 3.2 @ 1200 p.s.i. (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 | 14.5 |
| Volume / Cycle | 8.0 oz. (237.5 ml) |
| Cycles Per Gallon | 15.9 |
| Flow @ 50 Cycles / Minute | 3.1 g.p.m. (11.9 l.p.m.) |
| Noise Level | N / A |
| Maximum Temperature Limit | 130° F (54° C) |

ACCESSORIES:

67069 Wall Mount Bracket



PERFORMANCE CURVES

