

# SALES & ENGINEERING DATA

RATIO SERIES: **40:1**

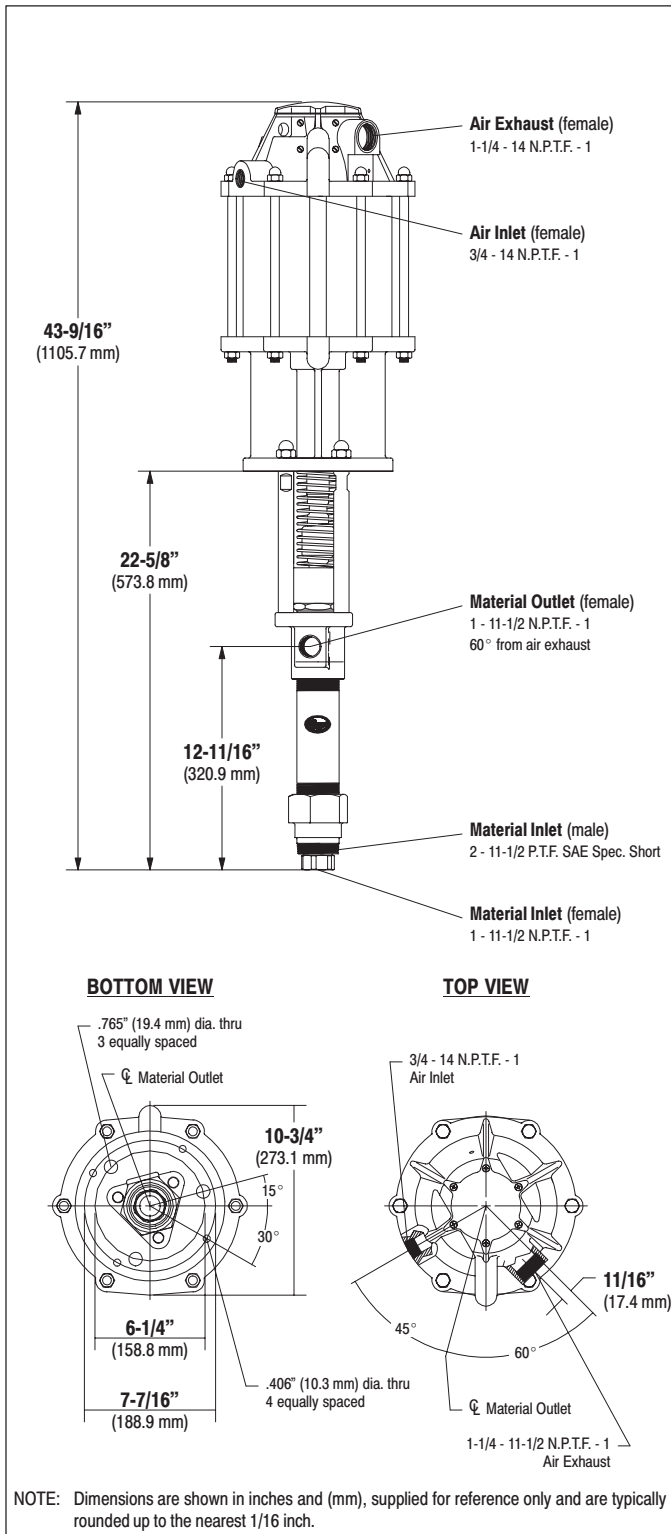
FLUID P.S.I. RANGE: **1200 - 4967**

RELEASED: 9-26-01

REVISED: S-1021

## 650883-XXX-B TWO-BALL PUMP

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

Model Series (refer to option chart)	650883-XXX-B
Pump Type	Air Operated, Two-Ball, Double Acting Pump
Ratio	40:1
Air Motor	66523-B
Motor Repair Kit	66614
Motor Diameter	8" (203.2 mm)
Stroke	6" (152.4 mm)
Air Inlet (female)	3/4 - 14 N.P.T.F. - 1
Air Exhaust (female)	1-1/4 - 11-1/2 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. S.A.E. short
Material Outlet (female)	1 - 11-1/2 N.P.T.F. - 1

#### MATERIALS OF CONSTRUCTION

Outlet Body	CF-8M Stainless Steel
Cylinder (650883-XXD-B)	316 Stainless Steel
(650883-XXG-B)	316 SS, Ceramic coated
Plunger (650883-XXD-B)	17-4 SS, Chrome plated
(650883-XXG-B)	17-4 SS, Ceramic coated
Upper Ball (650883-X4X-B)	316 Stainless Steel
(650883-X7X-B)	440 Stainless Steel
Upper Seat	Tungsten Carbide
Lower Ball (650883-X4X-B)	316 Stainless Steel
(650883-X7X-B)	440 Stainless Steel
Lower Seat	Tungsten Carbide
Inlet Body	CF-8M Stainless Steel
Weight	68.1 lbs (30.9 kgs)

#### PERFORMANCE

Air Inlet Pressure Range	30 - 120 p.s.i. (2.1 - 8.3 bar)
Fluid Pressure Range	1200 - 4967 p.s.i. (82.2 - 342.6 bar)
Maximum Rec'd Cycles / Minute	70
Displacement In <sup>3</sup> Per Cycle	14.5
Volume / Cycle	8.0 oz. (237.5 ml)
Cycles Per Gallon	15.9
Flow @ 60 Cycles / Minute	3.8 g.p.m. (14.3 l.p.m.)
Noise Level @ 60 p.s.i. - 40 c.p.m.	89.8 db(A)①

① Tested with 92460 Muffler installed. The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L<sub>Aeq</sub>) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

#### ACCESSORIES:

- 66542 Wall Mount Bracket
- 67187-1 Mounting Post
- 92460 Silencer

INGERSOLL-RAND COMPANY  
ONE ARO CENTER • BRYAN, OHIO 43506-1100

☎ (419) 636-4242 • FAX (419) 633-1674 © 2001 • PRINTED IN U.S.A.



# PERFORMANCE CURVES

