

# SALES & ENGINEERING DATA

650408-X-B

## TWO-BALL PUMP

RATIO SERIES: **9:1**

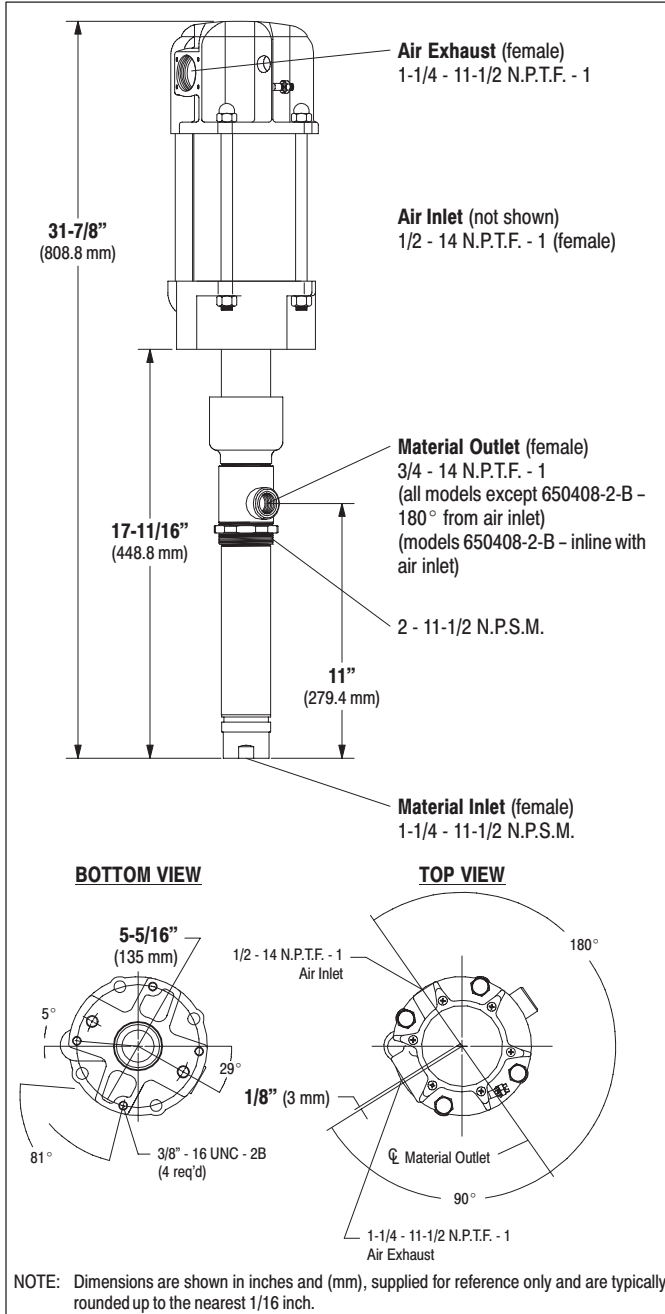
FLUID P.S.I. RANGE: **0 - 1350**

RELEASED: 11-6-98

REVISED: 7-30-04

REV. C S-964

### DIMENSIONAL DATA



① Tested with 91790 muffler installed. The pump sound pressure level has been updated to an Equivalent Continuous Sound Level ( $L_{Aeq}$ ) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

### ACCESSORIES:

66100 Wall Mount Bracket

91790 Silencer

### SPECIFICATIONS

#### CONSTRUCTION

Model Series (refer to option chart)	650408-X-B
Pump Type	Air Operated, Double Acting, Two-Ball Pump
Ratio	9:1
Air Motor (all models except 650408-2-B)	65444-B
(model 650408-2-B)	65444-2-B
Motor Repair Kit	61268
Motor Diameter	4-1/4" (107.9 mm)
Stroke	4" (101.6 mm)
Air Inlet (female)	1/2 - 14 N.P.T.F. - 1
Air Exhaust (female)	1-1/4 - 11-1/2 N.P.T.F. - 1
Lower Pump End Series	65108-X
model 650408-B	65108
models 650408-2-B and -4-B	65108-4
model 650408-5-B	65108-5
model 650408-6-B	65108-6
model 650408-7-B	65108-7
model 650408-8-B	65108-9
Lower Pump Repair Kit	
models 650408-B and -5-B	637010
models 650408-2-B, -4-B and -6-B	637010-4
models 650408-7-B and -8-B	637010-5

#### Packing Options:

650408-B	- Teflon (upper and lower)
650408-2-B	- UHMW-PE (upper and lower)
650408-4-B	- UHMW-PE (upper and lower)
650408-5-B	- Teflon (upper and lower)
650408-4-B	- UHMW-PE (upper and lower)
650408-7-B	- Viton upper / UHMW-PE lower
650408-8-B	- Viton upper / UHMW-PE lower

Material Inlet (female) 1-1/4 - 11-1/2 N.P.S.M.

Material Outlet (female) 3/4 - 14 N.P.T.F. - 1

#### MATERIALS OF CONSTRUCTION

Outlet Body	316 Stainless Steel
Cylinder (650408-B, -2-B, -4-B)	316 Stainless Steel
(650408-5-B, -6-B, -7-B, -8-B)	Ceramic coated 316 S.S.
Plunger (650408-B, -2-B, -4-B, -8-B)	316 Stainless Steel
(650408-5-B, -6-B, -7-B)	Ceramic coated 316 S.S.
Upper Ball	316 Stainless Steel
Upper Seat	316 Stainless Steel
Lower Ball	316 Stainless Steel
Lower Seat	316 Stainless Steel
Inlet Body	316 Stainless Steel
Weight	35 lbs (15.9 kgs)

#### PERFORMANCE

Air Inlet Pressure Range	0 - 150 p.s.i. (0 - 10.3 bar)
Fluid Pressure Range	0 - 1350 p.s.i. (0 - 93.1 bar)
Maximum Rec'd Cycles / Minute	60
Displacement In <sup>3</sup> Per Cycle	11.0
Volume / Cycle	6.1 oz. (180.2 ml)
Cycles Per Gallon	21
Flow @ 60 Cycles / Minute	2.9 g.p.m. (10.8 l.p.m.)
Noise Level @ 60 p.s.i. - 40 c.p.m.	80.0 db(A)①

# PERFORMANCE CURVES

