

SALES & ENGINEERING DATA

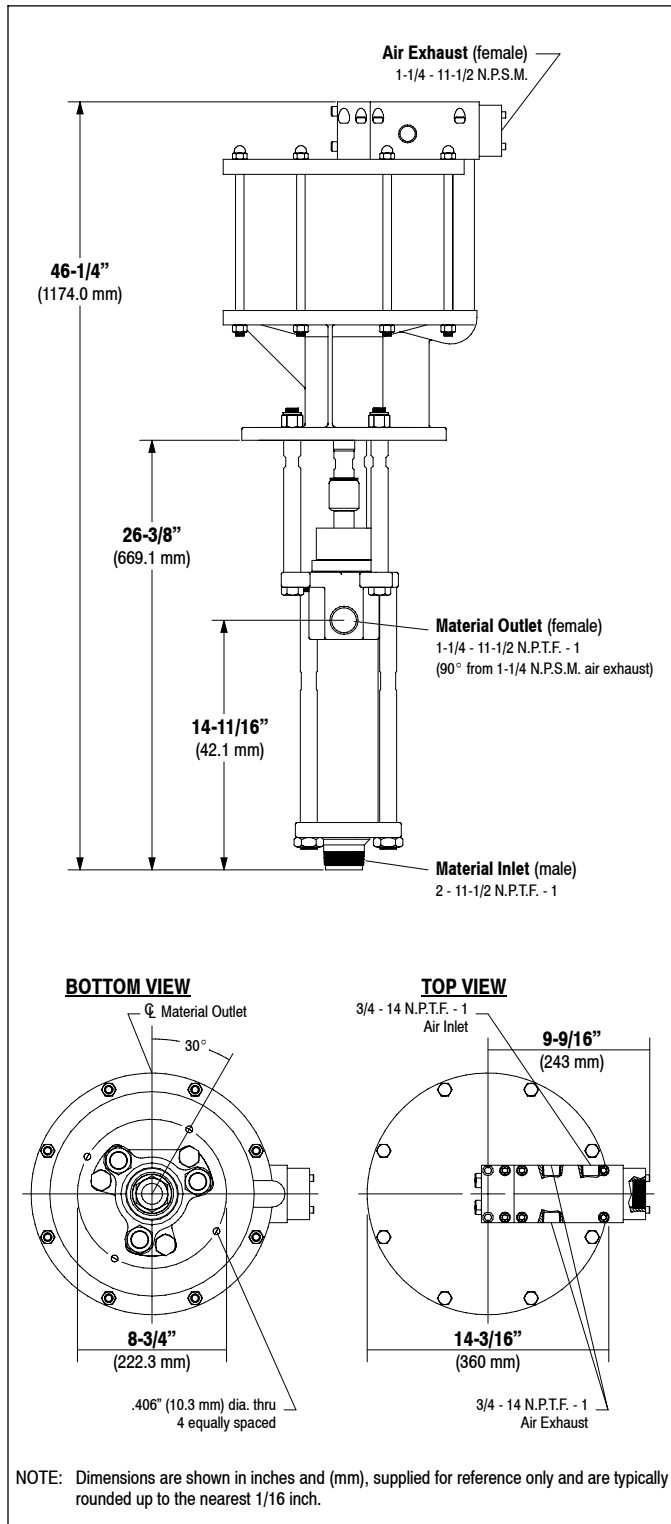
RATIO
SERIES: **23:1**

FLUID P.S.I.
RANGE: **0 - 2070**

613124-XXF-C TWO BALL PUMP

RELEASED: 2-6-02
REVISED: 5-27-10
(REV. C) S-1012

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series (refer to option chart)	613124-XXF-C
Pump Type	Air Operated, Two Ball, Double Acting Pump
Ratio	23:1
Air Motor	66506-B
Motor Repair Kit	637112
Motor Diameter	12" (30.5 cm)
Stroke	6" (15.2 cm)
Air Inlet (female)	3/4 - 14 N.P.T.F.-1
Air Exhaust (female)	1-1/4 - 11-1/2 N.P.S.M.
Lower Pump End Series	66942-XXF
Lower Pump Repair Kit	637211-XX3
Packing Options:	

C - UHMW-PE (Upper and Lower)
K - Carbon Graphite Filled PTFE (Upper and Lower)
L - Mineral Filled PTFE (Upper and Lower)
P - UHMW-PE / PTFE Staggered (Upper) • UHMW-PE (Lower)
R - PTFE / UHMW-PE Staggered (Upper) • Mineral Filled PTFE (Lower)

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

MATERIALS OF CONSTRUCTION

Outlet Body	CF-8M Stainless Steel (316)
Cylinder	304 Stainless Steel, Chrome plated
Plunger	321 Stainless Steel, Chrome plated
Upper Ball	316 Stainless Steel
Upper Seat	
613124-X3F-C, -X6F-C	316 Stainless Steel
613124-XCF-C, -XDF-C	Tungsten Carbide
Lower Ball	316 Stainless Steel
Lower Seat	
613124-X3F-C, -X6F-C	316 Stainless Steel
613124-XCF-C, -XDF-C	Tungsten Carbide
Inlet Body	CF-8M Stainless Steel (316)
Weight	140 lbs (63.5 kgs)

PERFORMANCE

Air Inlet Pressure Range	30 - 90 p.s.i. (2.1 - 6.2 bar)
Fluid Pressure Range	690 - 2070 p.s.i. (47.6 - 142.8 bar)
Maximum Rec'd Cycles / Minute	70
Displacement In ³ Per Cycle	59.8
Volume / Cycle	33.1 oz. (979.6 ml)
Cycles Per Gallon	3.9
Flow @ 70 Cycles / Minute	18.1 g.p.m. (68.6 l.p.m.)
Noise Level @ 60 p.s.i. - 40 c.p.m.	89.8 db(A) ^①

① Tested with 66718 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:

66718 Muffler
66542 Wall Mount Bracket
65139 Floor Mount

PERFORMANCE CURVES

