

SALES & ENGINEERING DATA

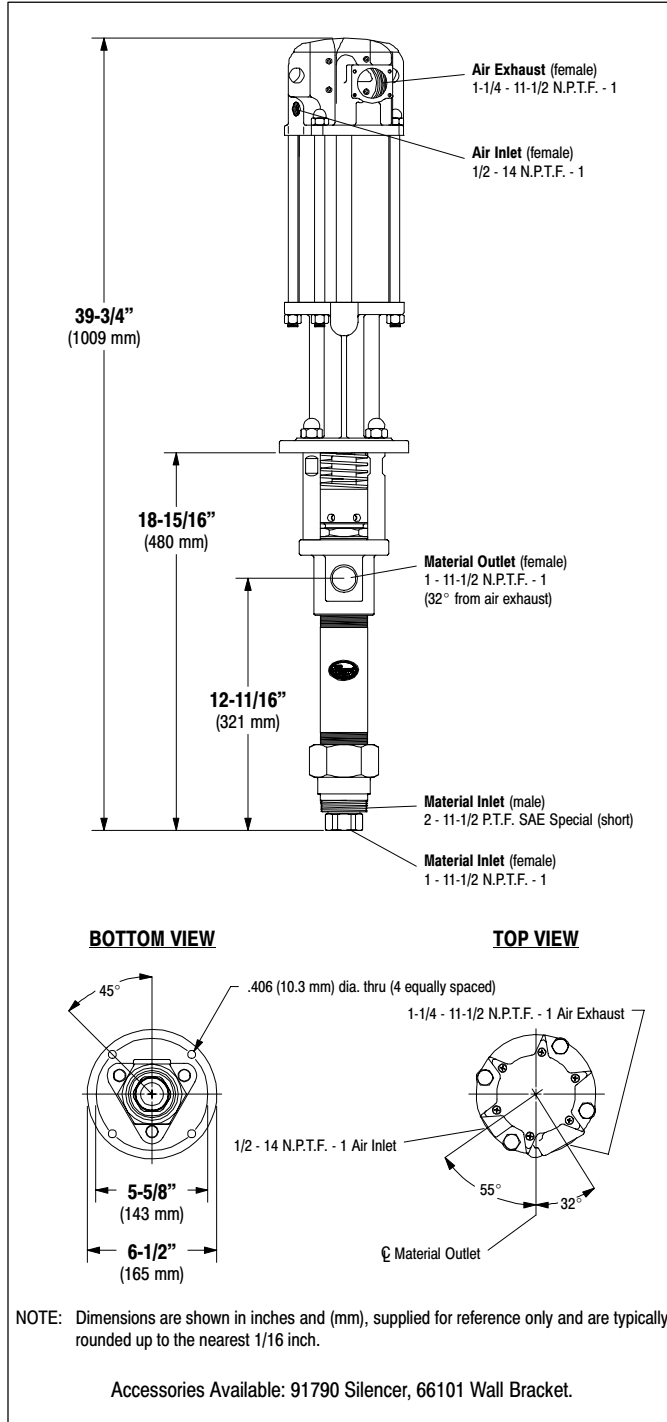
RATIO SERIES: **11:1**

FLUID P.S.I. RANGE: **330 - 1747**

650483-XXX TWO-BALL PUMP SERIES

RELEASED: 12-12-95
REVISED: 6-18-01
S-833

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

| | |
|---|-----------------------------|
| Model Series (refer to option chart below) | 650483-XXX |
| Pump Type | Air Operated, Two-Ball |
| Ratio | 11:1 |
| Air Motor | 65465-B |
| Motor Repair Kit | 61268 |
| Motor Diameter | 4-1/4" (10.8 cm) |
| Stroke | 6" |
| 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 | 66300-XXX |
| Lower Pump Repair Kit | 637305-X43 |
| Packing Options: | |

- 3 - Glass Filled Teflon (upper and lower)
- C - UHMW-PE (upper and lower)
- G - UHMW-PE / Leather staggered (upper and lower)
- 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 (short) |
| Material Outlet (female) | 1 - 11-1/2 N.P.T.F. - 1 |

MATERIALS OF CONSTRUCTION

Lower Pump End Materials: ①

| | |
|------------------------|-------------------------------------|
| Outlet Body | CF8M Stainless Steel |
| Cylinder (-XX3) | 316 Stainless Steel Hard Chrome |
| (-XXB) | 316 Stainless Steel Ceramic Coated |
| Plunger (-XX3) | 17-4 Stainless Steel Hard Chrome |
| (-XXB) | 17-4 Stainless Steel Ceramic Coated |
| Upper Ball | 316 Stainless Steel |
| Upper Seat | Tungsten Carbide |
| Lower Ball | 316 Stainless Steel |
| Lower Seat | Tungsten Carbide |
| Inlet Body | CF8M Stainless Steel |
| Weight | 42.9 lbs (19.5 kgs) |

PERFORMANCE

| | |
|--|----------------------------------|
| Air Inlet Pressure Range | 30 - 150 p.s.i. (2 - 10.3 bar) |
| Fluid Pressure Range | 330 - 1747 p.s.i. (23 - 120 bar) |
| Maximum Rec'd Cycles / Minute | 60 |
| Displacement In³ Per Cycle | 14.5 |
| Volume / Cycle | 8 oz. (238 ml) |
| Cycles Per Gallon | 15.9 |
| Flow @ 60 Cycles / Minute | 3.7 g.p.m. (14.0 l.p.m.) |
| Noise Level @ 60 p.s.i. - 40 c.p.m.② | 81.8 db(A) |

① All wetted components are passivated or electro-polished and have corrosion resistance characteristics of 300 Series stainless steel.

② Tested with 91790 silencer 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.



PERFORMANCE CURVES

TWO-BALL PUMP, 4-1/4" AIR MOTOR, 6" STROKE, 11:1 RATIO

