# SALES & ENGINEERING DATA

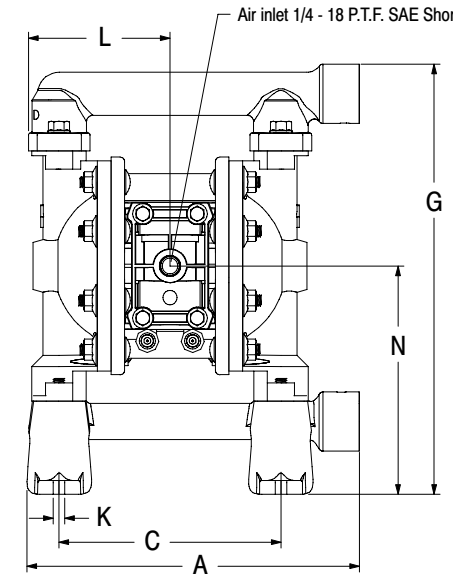
| | |
|---|---|
| RATIO SERIES: | 1:1 |
| FLUID P.S.I. RANGE: | 10 - 100 |

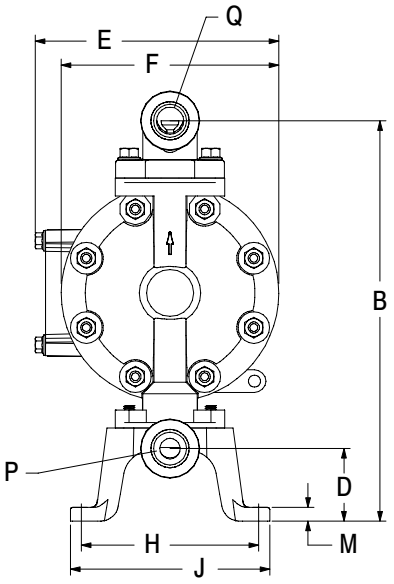
## PD07R-XAS-XXX

## 3/4" METALLIC DIAPHRAGM PUMP

RELEASED: 12-4-06
REVISED: 9-16-11
(REV. 04) S-1410

## DIMENSIONAL DATA




DIMENSIONS

| | | |
|---|---|---|
| A - 9-9/32" (235.3 mm) | F - 6" (152.4 mm) | L - 3-29/32" (99.2 mm) |
| B - 11-1/16" (280.4 mm) | G - 11-7/8" (301.2 mm) | M - 3/8" (9.5 mm) |
| C - 6-1/8" (155.6 mm) | H - 4-29/32" (124.2 mm) | N - 6-5/16" (159.8 mm) |
| D - 2" (50.8 mm) | J - 5-1/2" (139.7 mm) | |
| E - 6-23/32" (170.6 mm) | K - 5/16" (8.0 mm) | |

| Model | "P" Material Inlet | "Q" Material Outlet |
|---|---|---|
| PD07R-AAS-XXX | 3/4 - 14 N.P.T.F. - 2 | 3/4 - 14 N.P.T.F. - 2 |
| PD07R-BAS-XXX | Rp 3/4 (3/4 - 14 BSP) | Rp 3/4 (3/4 - 14 BSP) |

NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.

## SPECIFICATIONS

### CONSTRUCTION

**Model Series** . . . . . PD07R-XAS-XXX
**Pump Type** . . . . . Metallic, Air Operated, Double Diaphragm
**Ratio** . . . . . 1:1
**Material Inlet / Outlet** (female)
PD07R-AAS-XXX . . . . . 3/4 - 14 N.P.T.F. - 2
PD07R-BAS-XXX . . . . . Rp 3/4 (3/4 - 14 BSP parallel)
**Air Inlet** (female) . . . . . 1/4 - 18 P.T.F. SAE short
**Air Exhaust** (standard) . . . . . internal
(optional)(female) . . . . . 3/8 - 18 N.P.T.F. - 1
**Weight** . . . . . 8.74 lbs (3.96 kgs)
**Air Section Service Kit** . . . . . 637428
**Fluid Section Service Kit** . . . . . 637427-XX

**PD07R-XAS- X X**
**637427 - X X**
Diaphragm Material
Ball Material

EXAMPLE: Model #PD07R-AAS-PCC
Fluid Section Service Kit is 637427-CC

### PERFORMANCE

**Air Inlet Pressure Range** . . . . . 10 - 100 p.s.i. (0.69 - 6.9 bar)
**Maximum Material Inlet Pressure** . . . 10 p.s.i. (0.69 bar)
**Fluid Outlet Pressure Range** . . . . . 10 - 100 p.s.i. (0.69 - 6.9 bar)
**Maximum Flow Rate (flooded inlet)** . . 13.6 g.p.m. (51.5 l.p.m.)
**Displacement / Cycle @ 100 p.s.i.** . . 0.030 gal. (0.11 lit.)
**Maximum Particle Size** . . . . . 3/32" dia. (2.4 mm)
**Maximum Temperature Limits** (diaphragm / ball / seat material)
Hytrel . . . . . -20° to 150° F (-29° to 66° C)
Polypropylene . . . . . 35° to 175° F (2° to 79° C)
Santoprene . . . . . -40° to 225° F (-40° to 107° C)
PTFE . . . . . 40° to 225° F (4° to 107° C)
**Noise Level** @ 70 p.s.i. - 60 c.p.m.① . 75.0 db(A)②

Notes:
① Tested with 67367 muffler assembly installed.
② 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:**
66073-1 Air Line Connection Kit
637438 Ported Exhaust Kit
93110 Muffler


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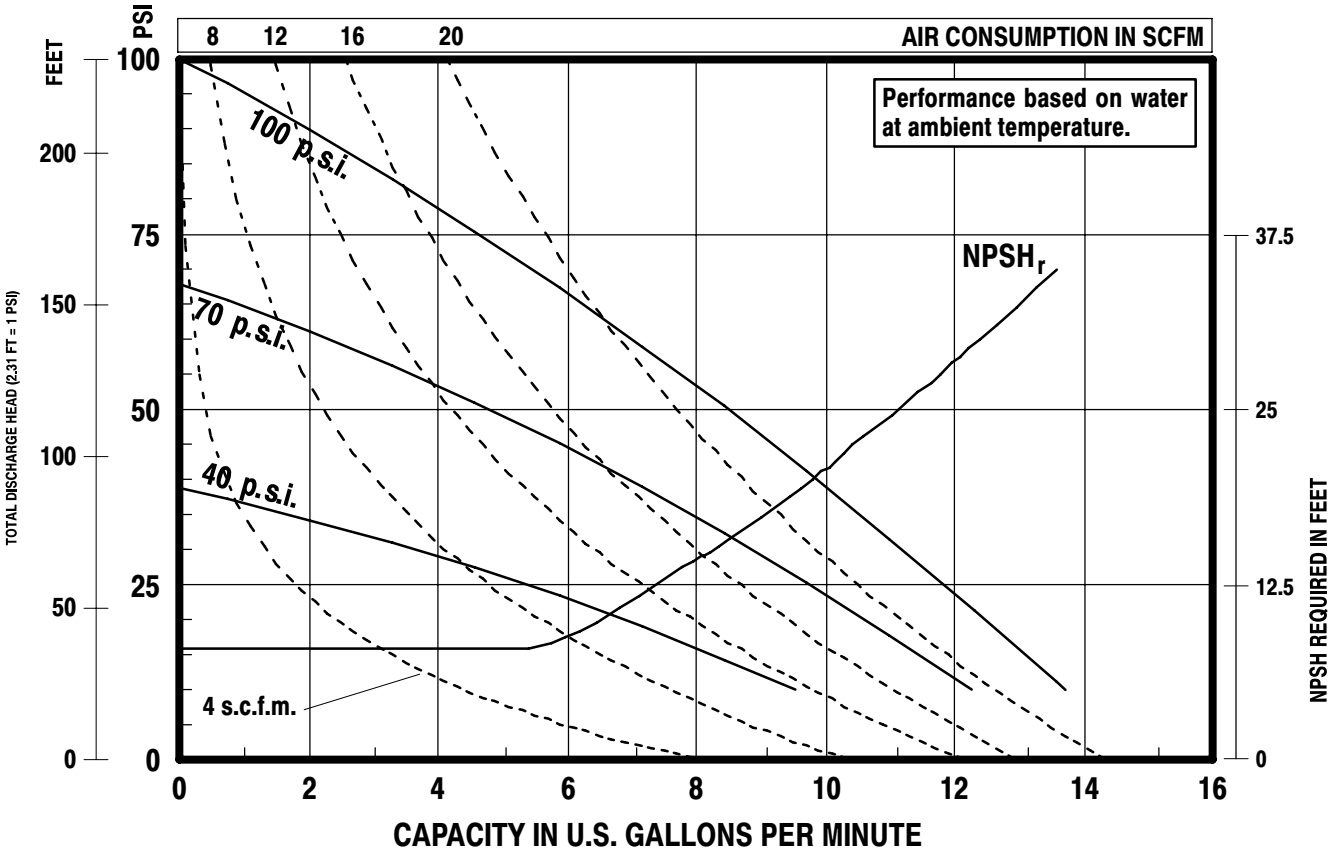
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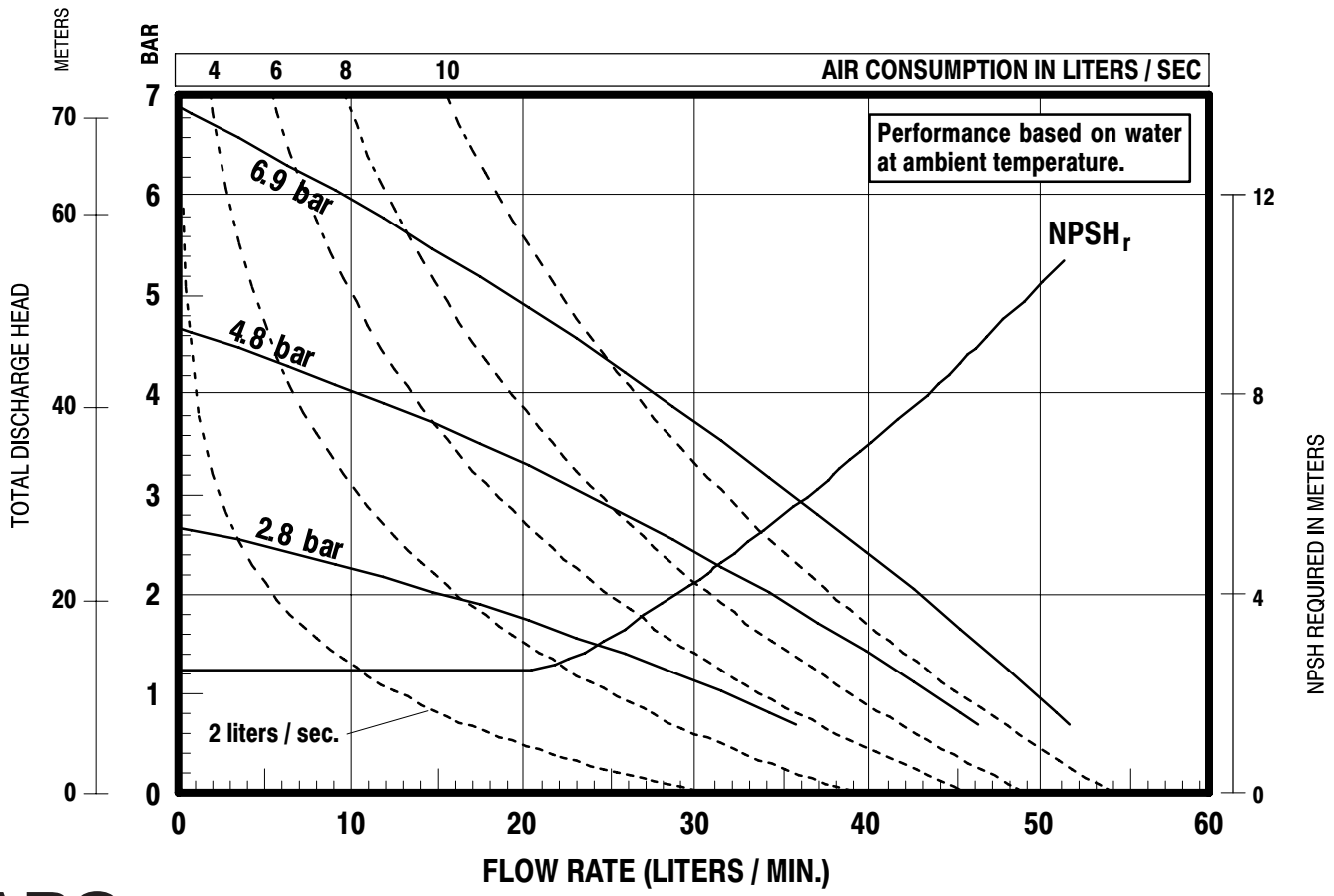
ARO

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## PERFORMANCE CURVES

### PD07R-XAS-XXX 3/4" METALLIC DIAPHRAGM PUMP




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