

# SALES & ENGINEERING DATA

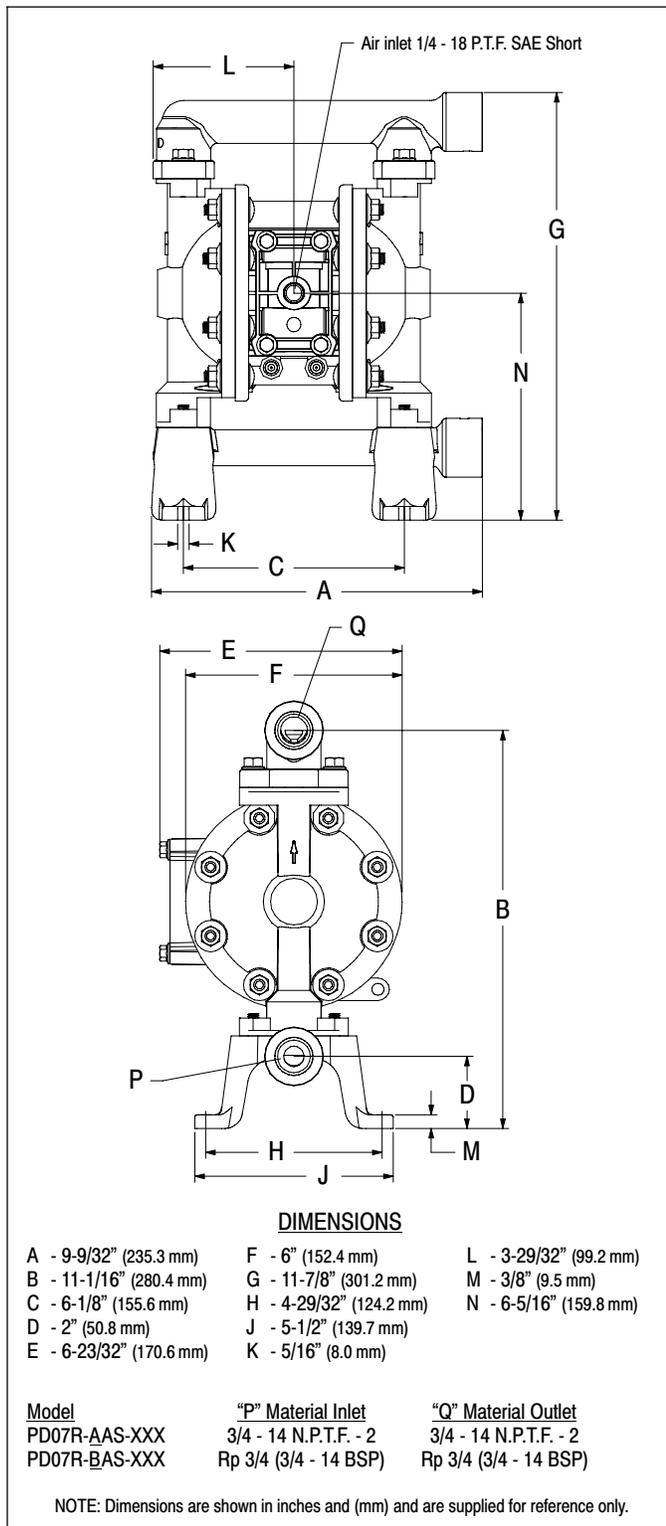
RATIO SERIES:	<b>1:1</b>
FLUID P.S.I. RANGE:	<b>10 - 100</b>

## PD07R-XAS-XXX

### 3/4" METALLIC DIAPHRAGM PUMP

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

#### DIMENSIONAL DATA



#### 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 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 637427 - <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	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)**  
 Hytel ..... -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<sub>Aeq</sub>) 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

#### INGERSOLL RAND COMPANY LTD

209 NORTH MAIN STREET - BRYAN, OHIO 43306

☎ (800) 495-0276 • FAX(800) 892-6276

www.ingersollrandproducts.com

© 2011

CCN 15277213

# ARO

**IR** Ingersoll Rand  
 Industrial Technologies

# PERFORMANCE CURVES

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

