

SALES & ENGINEERING DATA

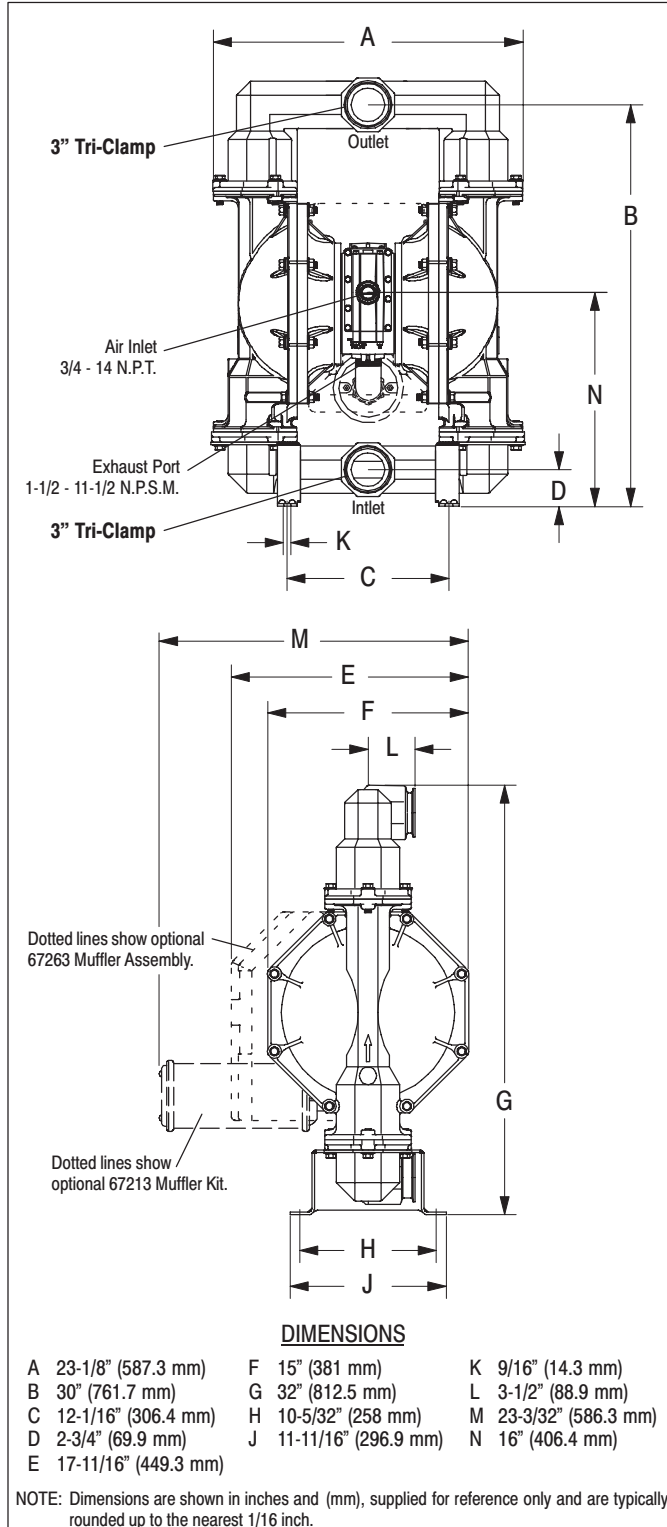
PM30R-CSS-XXX-C02 3" METALLIC DIAPHRAGM PUMP

RATIO
SERIES: **1:1**

FLUID P.S.I.
RANGE: **20 - 120**

RELEASED: 2-16-05
REVISED: 6-10-10
(REV. 03) S-1347

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series PM30R-CSS-XXX-C02
Pump Type Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet 3" Tri-Clamp
Air Inlet (female) 3/4 - 14 N.P.T.
Air Exhaust (female) 1-1/2 - 11-1/2 N.P.S.M.
Weight 253.3 lbs (114.9 kgs)
Air Section Service Kit 637369
Major Air Valve Assembly 637374
Fluid Section Service Kit 637303-XX

PM30R-CSS- X ☐ ☐ ☐ -C02

637303 - ☐ ☐ ☐

Diaphragm Material
Ball Material

EXAMPLE: Model #PM30R-CSS-SAA-C02
Fluid Section Service Kit is 637303-AA

PERFORMANCE

Air Inlet Pressure Range 20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Material Inlet Pressure .. 10 p.s.i. (0.69 bar)
Fluid Outlet Pressure Range 20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Flow Rate 237 g.p.m. (897 l.p.m.)
flooded inlet 275 g.p.m. (1,041 l.p.m.)
Maximum Particle Size 3/8" dia. (9.5 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)
E.P.R. -60° to 280° F (-51° to 138° C)
Nitrile 10° to 180° F (-12° to 82° C)
Polypropylene 35° to 150° F (2° to 66° C)
Santoprene -40° to 225° F (-40° to 107° C)
PTFE 40° to 225° F (4° to 107° C)
Displacement / Cycle @ 100 p.s.i. . . 2.8 gal. (10.6 lit.)
Noise Level @ 70 p.s.i. - 50 c.p.m.① 83.0 db(A)②

Notes:

- ① Tested with 67263 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:

66109 Air Line Connection Kit
67213 Muffler Kit
67263 Continuous Muffler
94117 Int. Muffler

airpumping.co.uk

est. 1979

Unit 16, Upminster Trading Park, Warley St., Upminster, Essex, RM14 3PJ, ENGLAND

ARO

IR Ingersoll Rand
Industrial Technologies

PERFORMANCE CURVES

PM30R-CSS-XXX-C02 3" METALLIC DIAPHRAGM PUMP

