

SALES & ENGINEERING DATA

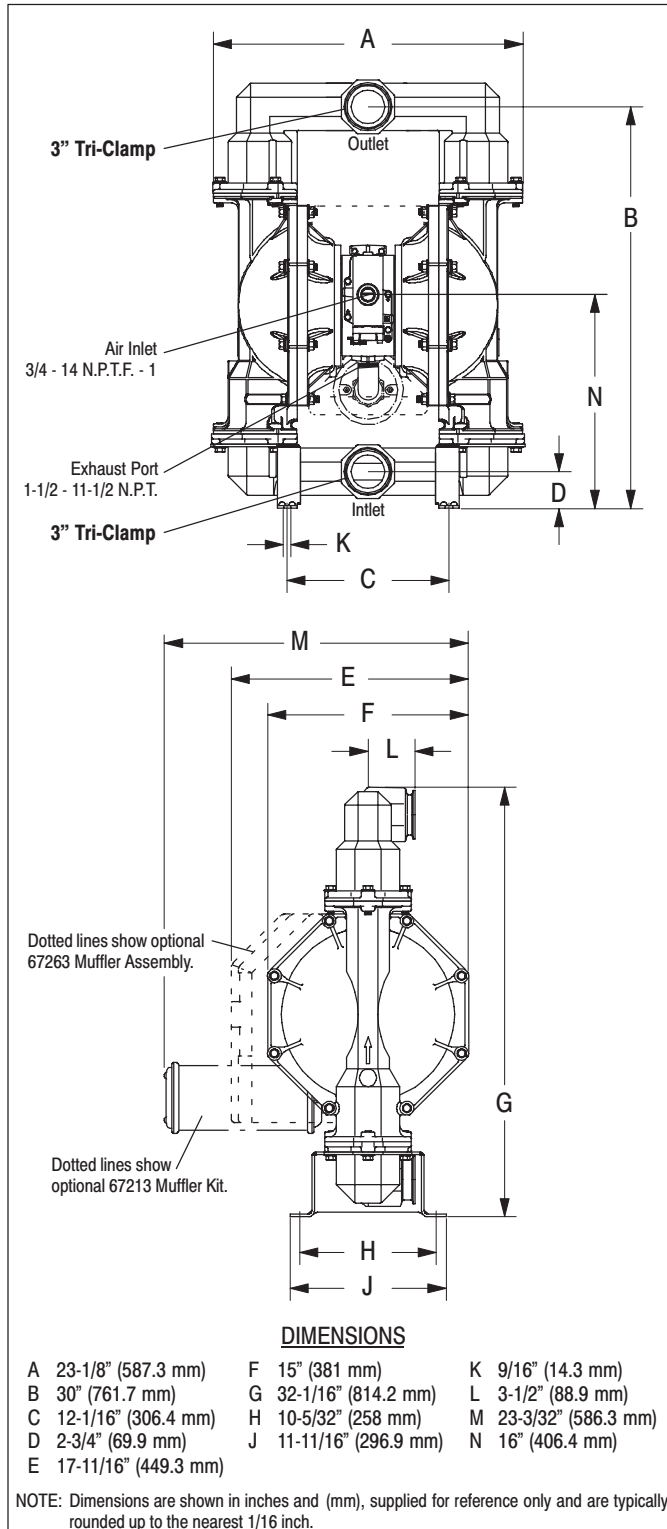
PM30A-CSS-XXX-C02 & PM30S-CSS-XXX-C02 3" METALLIC DIAPHRAGM PUMP

RATIO
SERIES: **1:1**

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

RELEASED: 2-14-05
REVISED: 6-10-10
(REV. 03) S-1346

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PM30A-CSS-XXX-C02
	PM30S-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.F. - 1
Air Exhaust (female)	1-1/2 - 11-1/2 N.P.T.
Weight	PM30A-CSS-XXX-C02 . . . 227.5 lbs (103.2 kgs)
	PM30S-CSS-XXX-C02 . . . 267.2 lbs (121.2 kgs)
Air Section Service Kit	637421
Major Air Valve Assembly	637374-X
Fluid Section Service Kit	637303-XX

PM30X-CSS- X ☒ ☒ -C02

637303 - ☒ ☒

Diaphragm Material
Ball Material

EXAMPLE: Model#PM30S-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)
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

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

ARO

IR Ingersoll Rand
Industrial Technologies

PERFORMANCE CURVES

PM30A-CSS-XXX-C02 / PM30S-CSS-XXX-C02 3" METALLIC DIAPHRAGM PUMP

