SALES AND ENGINEERING DATA

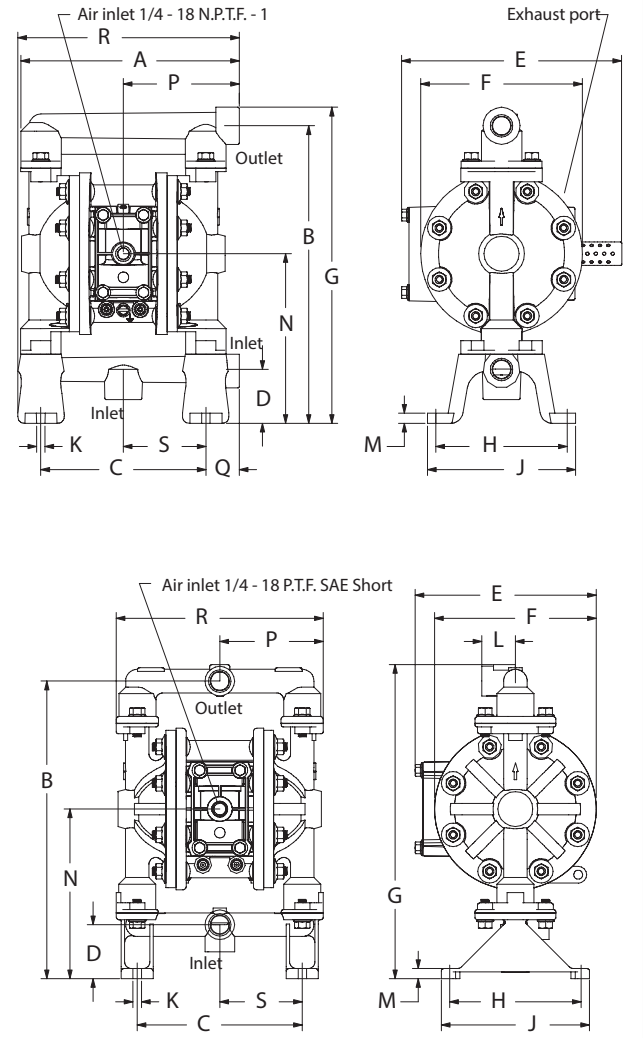
PD05X-XXS-XXX-B, PE05X -XXS-XXX-B AND PZ05X-XXS-XXX-B

1/2" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID PSIG RANGE:	10 - 100

RELEASED: 11-23-05
REVISED: 6-17-22
(REV: H) S-1381

DIMENSIONAL DATA



DIMENSIONS

A - 8-1/8" (206.0 mm)
B - 11-1/16" (280.4 mm)
C - 6-1/8" (155.6 mm)
D - 2" (50.8 mm)
E - see below
F - 6" (152.4 mm)
G - see below
H - 4-7/8" (123.8 mm)
J - 5-1/2" (139.7 mm)
K - 5/16" (8.0 mm)
L - 1-1/4" (31.8 mm)
M - 3/8" (9.5 mm)
N - 6-5/16" (159.9 mm)
P - see below
Q - 1-1/4" (31.6 mm)
R - see below
S - 3-1/16" (77.8 mm)

Dimension	PX05A-XXS-XXX-B	PX05R-XXS-XXX-B
"E"	8-3/16" (207.9 mm)	6-23/32" (170.6 mm)
"G"	11-3/4" (297.9 mm)	11-21/32" (296.0 mm)
"P"	4-5/16" (109.3 mm)	3-27/32" (97.6 mm)
"R"	8-7/32" (208.5 mm)	7-11/16" (195.2 mm)

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

SPECIFICATIONS

CONSTRUCTION

Model Series PD05X-XXS-XXX-B
PE05X-XXS-XXX-B
PZ05X-XXS-XXX-B
Pump Type ..... Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX05X-AXS-XXX-B ..... 1/2 - 14 NPTF - 1
PX05X-BXS-XXX-B ..... Rp 1/2 (1/2 - 14 BSP, parallel)
Air Inlet
PX05A-XXS-XXX-B ..... 1/4 - 18 NPTF - 1
PX05R-XXS-XXX-B ..... 1/4 - 18 P.T.F. SAE short
Air Exhaust
PX05A-XXS-XXX-B ..... 3/8 - 18 NPTF - 1
PX05R-XXS-XXX-B ..... internal
(optional)(PX05R-X-X-B) ..... 3/8 - 18 NPTF - 1
Weight . PX05A-XAS-XXX-B ..... 10.36 lbs (4.70 kgs)
PX05A-XSS-XXX-B ..... 16.57 lbs (7.52 kgs)
PX05R-XAS-XXX-B ..... 8.04 lbs (3.65 kgs)
PX05R-XSS-XXX-B ..... 14.25 lbs (6.46 kgs)
Air Section Service Kit 637428
Fluid Section Service Kit 637427-XX

PX05X-XXS-X[X][X]-B
637427 -[X][X]
└Diaphragm Material
└Ball Material

EXAMPLE: Model #PD05A-AAS-SAA-B
Fluid Section Service Kit is 637427-AA

PERFORMANCE

Air Inlet Pressure Range ..... 10 - 100 psig (0.69 - 6.9 bar)
Maximum Material Inlet Pressure ... 10 psig (0.69 bar)
Fluid Outlet Pressure Range ..... 10 - 100 psig (0.69 - 6.9 bar)
Maximum Flow Rate (flooded inlet) ..... 12.0 g.p.m. (45.4 lpm)
Displacement / Cycle @ 100 psig .... 0.039 gal. (0.15 lit.)
Maximum Particle Size ..... 3/32" dia. (2.4 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)
E.P.R./EPDM ..... -60° to 280° F (-51° to 138° C)
Hytrel ..... -20° to 180° F (-29° to 82° C)
Nitrile ..... 10° to 180° F (-12 to 82° C)
Polypropylene ..... 32° to 175° F (0° to 79° C)
Polyurethane ..... -10° to 150° F (-23° to 66° C)
Santoprene ..... -40° to 225° F (-40° to 107° C)
PTFE ..... 40° to 225° F (4° to 107° C)
Viton ..... -40° to 350° F (-40° to 177° C)
Noise Level @ 70 psig - 60 cpm① **...** 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 (LAeq) tomeet 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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PERFORMANCE CURVES

PX05X-XXS-XXX-B 1/2" METALLIC DIAPHRAGM PUMP

