SALES AND ENGINEERING DATA

PD30A-XXX-XXX-CXXX / PD30S-XXX-XXX-CXXX
PE30A-XXX-XXX-CXXX / PE30S-XXX-XXX-CXXX
PZ30A-XXX-XXX-CXXX / PZ30S-XXX-XXX-CXXX
3" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

RELEASED: 2-9-05
REVISED: 6-17-22
(REV: K) S-1340

SPECIFICATIONS

CONSTRUCTION

Model Series PX30A-XXX-XXX-CXXX
PX30S-XXX-XXX-CXXX
Pump Type ..... Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX30X-AXX-XXX-CXXX ..... 3 - 8 NPTF - 1
PX30X-BXX-XXX-CXXX ..... Rp 3 (3 - 11 BSP parallel)
PX30X-DXX-XXX-CXXX ..... 3" ANSI Flange (4 Holes)
PX30X-FXX-XXX-CXXX ..... 3" DIN Flange (8 Holes)
Air Inlet (female) ..... 3/4 - 14 NPTF - 1
Air Exhaust (female) ..... 1-1/2 - 11-1/2 NPT
Weight
PX30A-XAX-XXX-CXXX ..... 129.6 lbs (58.8 kgs)
PX30A-XCX-XXX-CXXX ..... 221.1 lbs (100.3 kgs)
PX30A-AHX-XXX-CXXX, BHX ..... 249.8 lbs (113.3 kgs)
PX30A-ASX-XXX-CXXX, BSX ..... 228.8 lbs (103.8 kgs)
PX30A-FHX-XXX-CXXX, DHX ..... 269.6 lbs (122.3 kgs)
PX30A-FSX-XXX-CXXX, DSX ..... 245.6 lbs (111.4 kgs)
[add 40.0 lbs (18.2 kgs) for Stainless steel air motor section]
Air Section Service Kit 637421
Fluid Section Service Kit (without Seats)..... 637303-XX
Fluid Section Service Kit (with Seats)..... 637303-XXX

PX30X-XXX-X XX - CXXX

With Seats
637303 - XXX
- Diaphragm Material
- Ball Material
- Seat Material

Without Seats
637303 - XX
- Diaphragm Material
- Ball Material

EXAMPLE: Model #PD30A-ACS-SVT-C
Fluid Section Service Kit is 637303-VT (without Seats)

PERFORMANCE

Air Inlet Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Material Inlet Pressure... 10 psig (0.69 bar)
Fluid Outlet Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Flow Rate ..... 237 gpm (897 lpm)
flooded inlet..... 275 gpm (1,041 lpm)
Maximum Particle Size ..... 3/8" dia. (9.5 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)
PVDF..... 10° to 200° F (-12° to 93° 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)
Displacement / Cycle @ 100 psig . . . 2.8 gal. (10.6 lit.)
Noise Level @ 70 psig - 50 cpm① . . . 83.0 dB(A)②

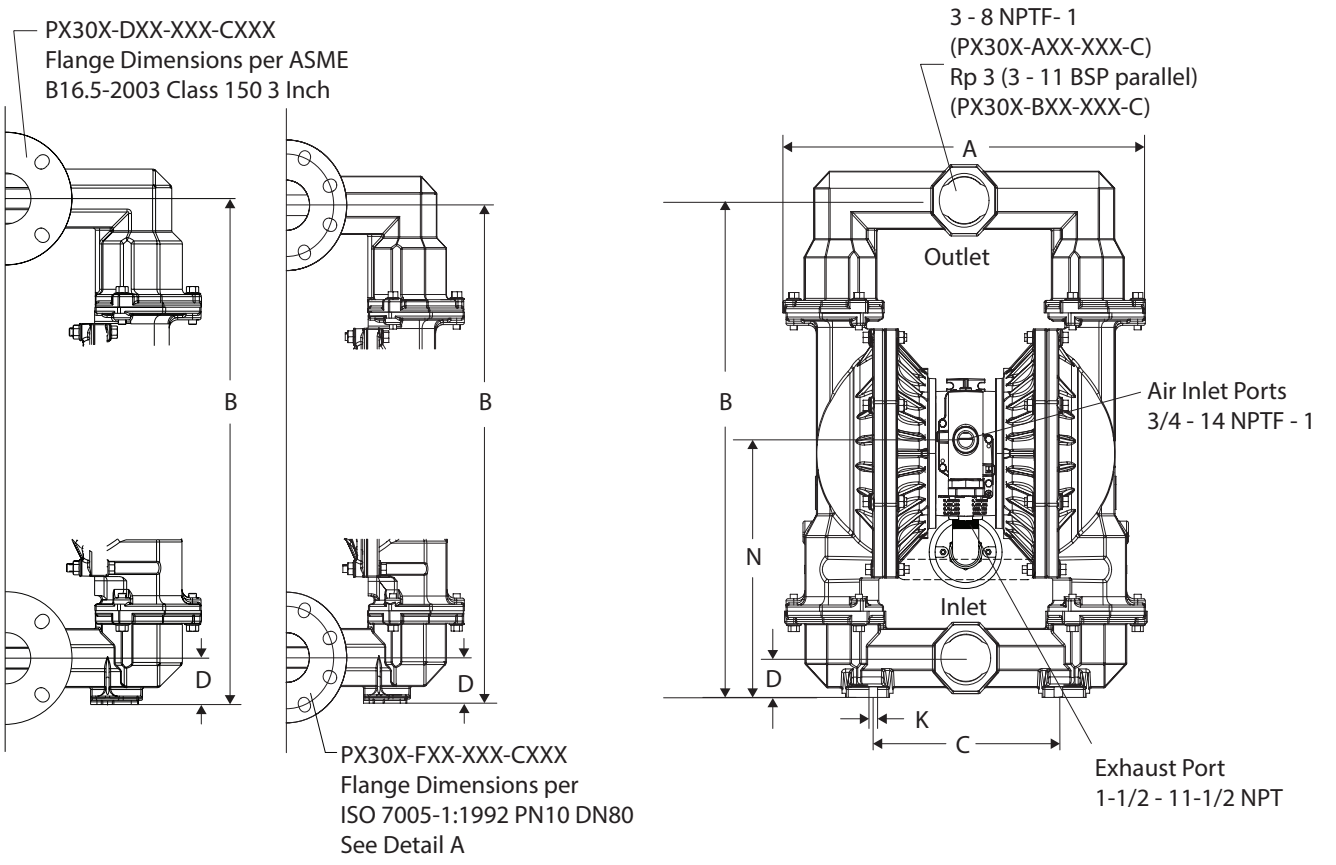
① Tested with 67263 muffler assembly installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) tomeet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

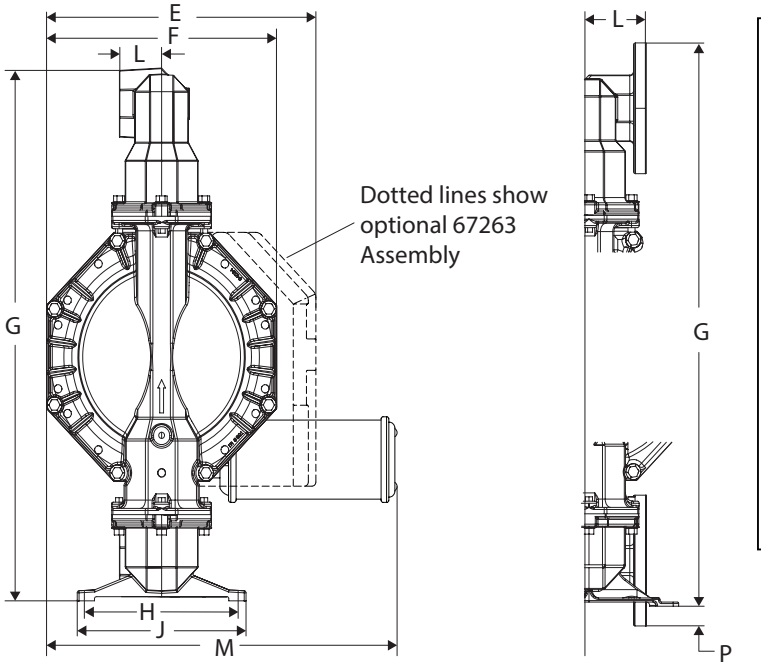
ACCESSORIES:
66109 Air line Connection Kit
67263 Continuous Muffler
94117 Int. Muffler

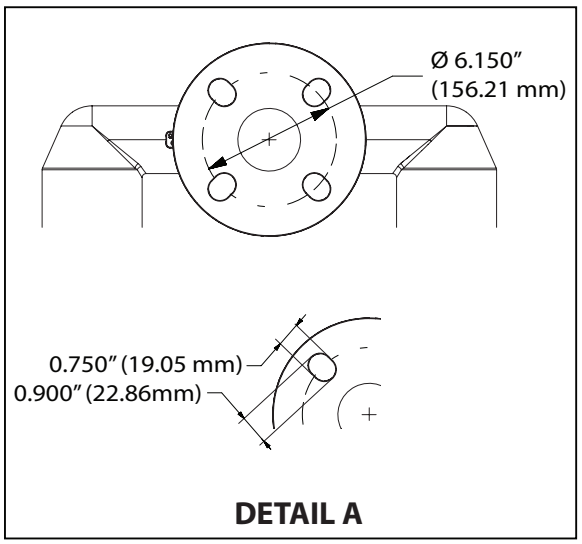
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DIMENSIONAL DATA







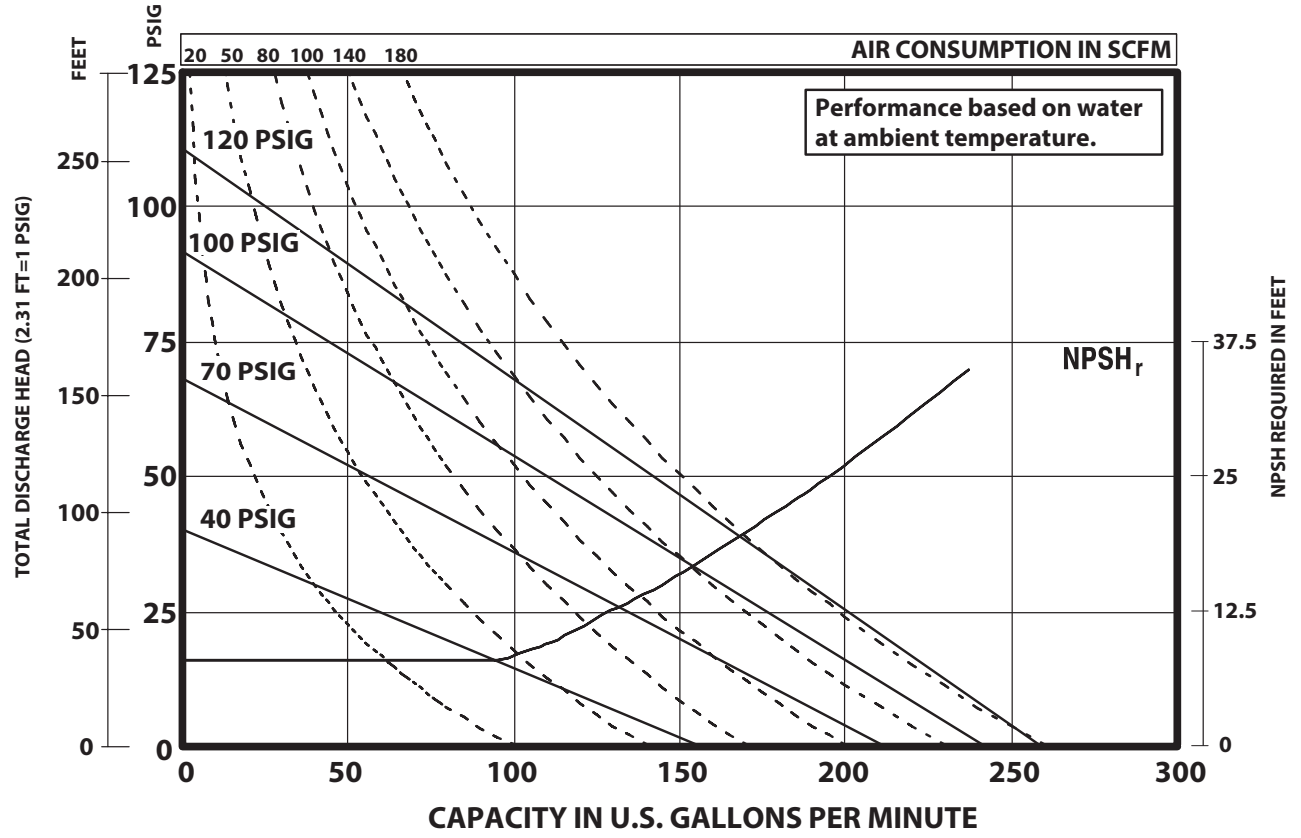
DIMENSIONS

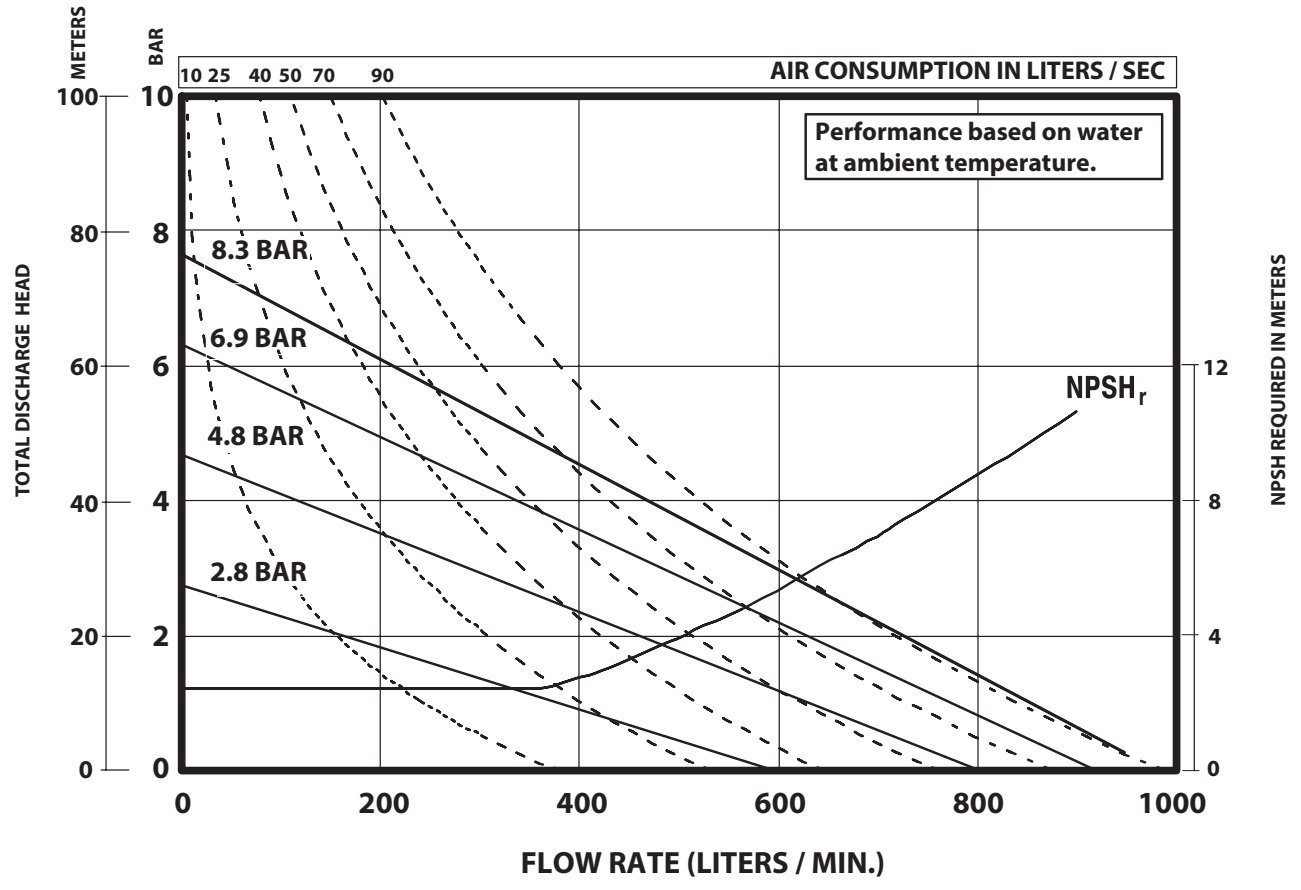
A - see below
B - 30" (762.0 mm)
C - 12.06" (306.4 mm)
D - see below
E - 17.68" (449.2 mm)
F - 15" (381.0 mm)
G - see below
H - 10.15" (258.0 mm)
J - see below
K - 0.56" (14.3 mm)
L - see below
M - 23.09" (586.3 mm)
N - see below
P - 1.18" (30.2 mm))

	"A"	"D"	"J"	"N"	"L"	"G"
PZ30X-XAX-XXX-CXX	23.62" (600.1 mm)	2.37" (60.3 mm)	11" (279.4 mm)	15.5" (393.7 mm)	2.75" (69.9 mm)	32" (812.8 mm)
PZ30X-XCX-XXX-CXX	23.62 (600.1 mm)	2.43" (61.9 mm)	11.68" (296.9 mm)	15.5" (393.7 mm)	2.75" (69.9 mm)	32" (812.8 mm)
PZ30X-XHX-XXX-CXX	23.12" (587.4 mm)	2.75" (69.9 mm)	11.68" (296.9 mm)	16" (406.4 mm)	2.75" (69.9 mm)	32" (812.8 mm)
PZ30X-XSX-XXX-CXX	23.12" (587.4 mm)	2.75" (69.9 mm)	11.68" (296.9 mm)	16" (406.4 mm)	2.75" (69.9 mm)	32" (812.8 mm)
PZ30X-DXX-XXX-CXX	23.12" (587.4 mm)	2.75" (69.9 mm)	11.68" (296.9 mm)	16" (406.4 mm)	3.75" (95.25 mm)	33.93" (862.0 mm)
PZ30X-FXX-XXX-CXX	23.12" (587.4 mm)	2.75" (69.9 mm)	11.68" (296.9 mm)	16" (406.4 mm)	3.75" (95.25 mm)	33.93" (862.0 mm)

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

PD30A-XXX-XXX-CXXX , PD30S-XXX-XXX-CXXX, PZ30A-XXX-XXX-CXX AND PZ30S-XXX-XXX-CXX 3'' METALLIC DIAPHRAGM PUMP





PERFORMANCE CURVES

PE30X-XXX-XXX-XXEX AND PE30X-XXX-XXX-XXFX 3'' METALLIC DIAPHRAGM PUMP

