SALES AND ENGINEERING DATA

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

PD20A-XXX-XXX-B / PD20S-XXX-XXX-B
PE20A-XXX-XXX-B( ) / PE20S-XXX-XXX-B( )
PZ20A-XXX-XXX-B / PZ20S-XXX-XXX-B
2" METALLIC DIAPHRAGM PUMP

RELEASED:	2-3-05
REVISED:	6-17-22
(REV: G)	S-1338

SPECIFICATIONS

CONSTRUCTION

Model Series ..... PD20A-X-X-B / PD20S-X-X-B
PE20A-X-X-B ( ) / PE20S-X-X-B( )
PZ20A-X-X-B / PZ20S-X-X-B
Pump Type ..... Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX20X-AXX-XXX-B( ) ..... 2 - 11-1/2 NPTF - 1
PX20X-BXX-XXX-B( ) ..... Rp 2 (2 - 11 BSP parallel)
PX20X-FXX-XXX-B( ) ..... 2" A.N.S.I / DIN Flange
Air Inlet (female) ..... 3/4 - 14 NPTF - 1
Air Exhaust (female) ..... 1-1/2 - 11-1/2 NPT
Weight . PX20A-XAX-XXX-B( ) ..... 91.4 lbs (41.5 kgs)
PX20A-XCX-XXX-B( ) ..... 147.4 lbs (66.9 kgs)
PX20A-AHX-XXX-B( ), -BHX... 155.0 lbs (70.3 kgs)
PX20A-ASX-XXX-B( ), -BSX ... 149 8 lbs (68.0 kgs)
PX20A-FHX-XXX-B( ), ... 169.4 lbs (76.8 kgs)
PX20A-FSX-XXX-B( ),..... 162.0 lbs (73.5kgs)
(add 28.9 lbs [13.1 kgs] for stainless steel air motor section)
Air Section Service Kit 637421
Fluid Section Service Kit 637309-XX
Major Air Valve Assembly 637374-X

PX20X-XXX-X[X][X]-B( )
637309 - [X][X]
Diaphragm Material
Ball Material

EXAMPLE: Model #PD20A-AAP-AAA-B
Fluid Section Service Kit is 637309-AA

PERFORMANCE

Air Inlet Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Material Inlet Pressure... 10 psig (0.69 bar)
Fluid Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Flow Rate ..... 172 g.p.m. (651 lpm)
Displacement / Cycle @ 100 psig .... 1.4 gal. (5.3 lit.)
Maximum Particle Size ..... 1/4" dia. (6.4 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)
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)
Noise Level @ 70 psig - 60 cpm① **...** 85.0 dB(A)②

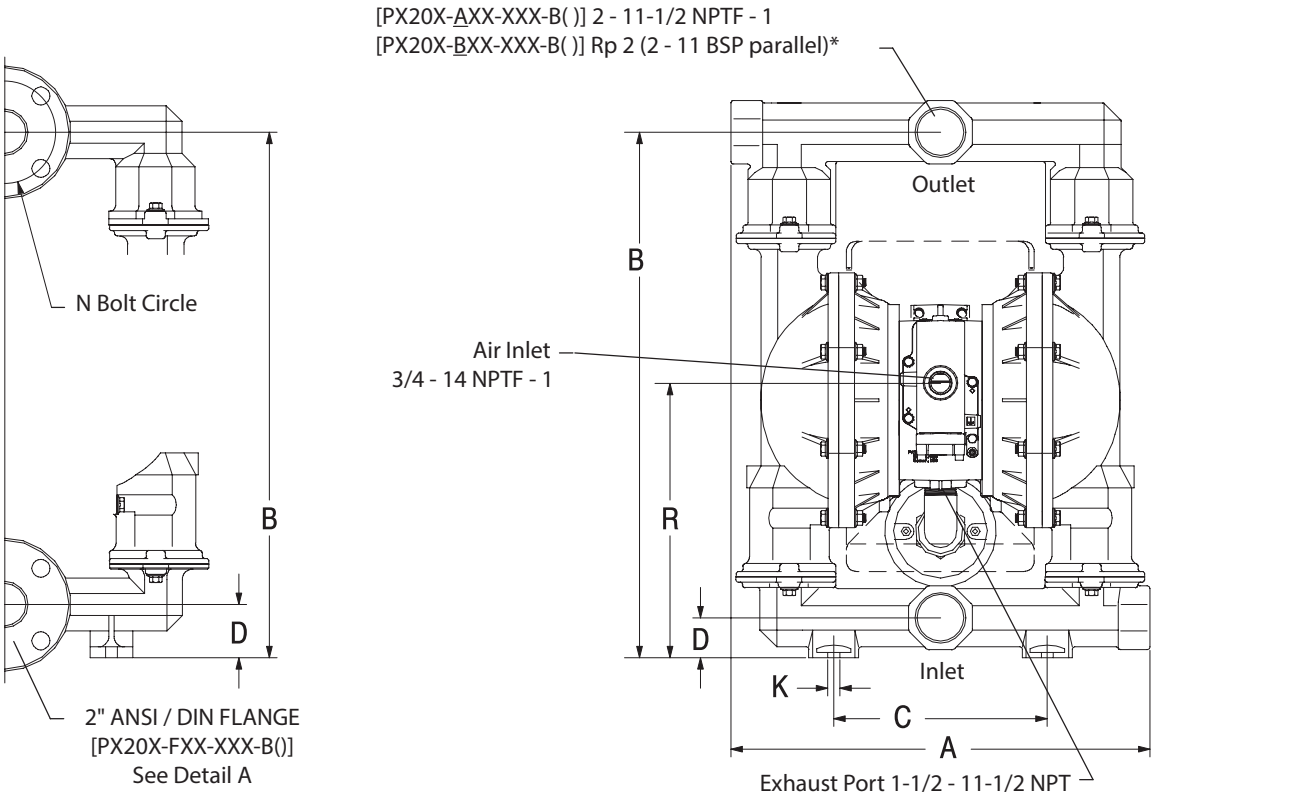
① Tested with 67263 muffler assembly installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) tomeet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

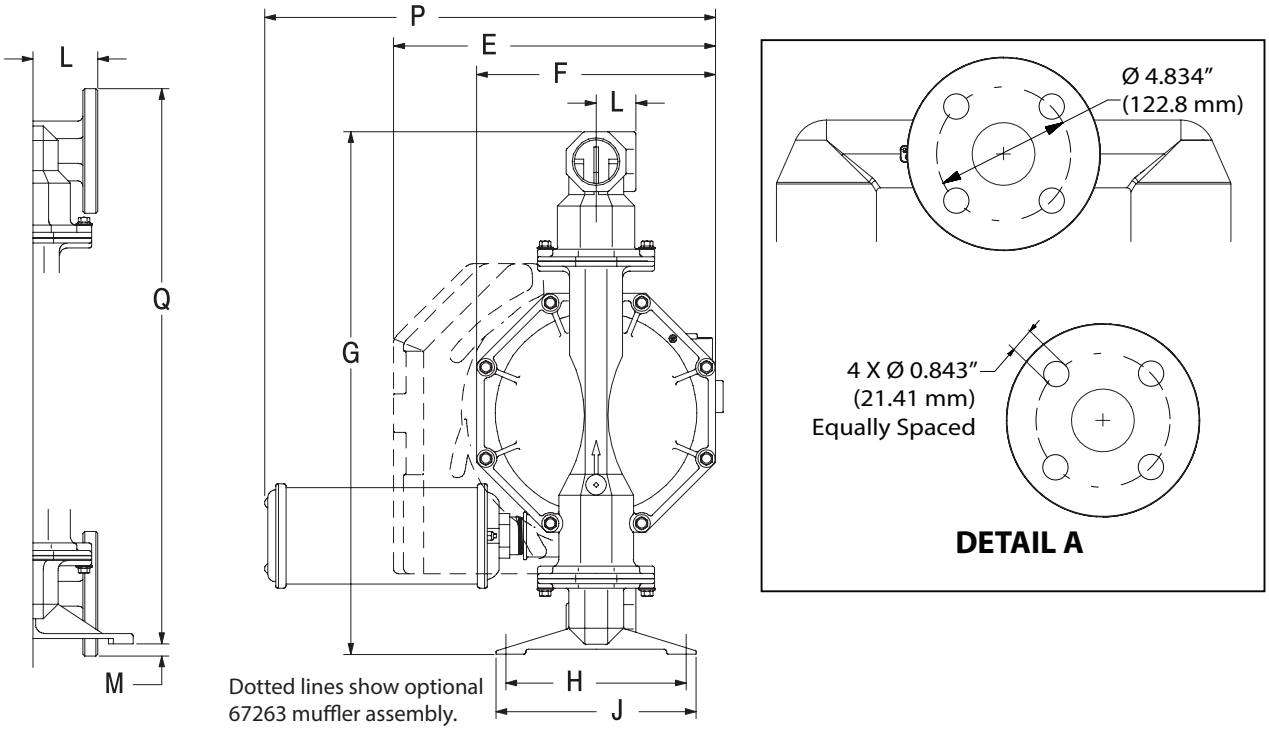
ACCESSORIES:
66312 Air Line Connection Kit
67263 Continuous Muffler
94117 Int. Muffler

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DIMENSIONAL DATA





DIMENSIONS

A - see below	E - 16.18" (411.2 mm)	J - 10.06" (255.6 mm)	N - 4.834" (122.8 mm)
B - 24.75" (628.7 mm)	F - 12" (304.8 mm)	K - 0.56" (14.3 mm)	P - 21.62" (548 mm)
C - 10.06" (255.6 mm)	G - 26.25" (666.8 mm)	L - see below	Q - 27.87" (708.0 mm)
D - see below	H - 9.06" (230.2 mm)	M - 0.62" (15.9 mm)	R - see below

	"A"	"D"	"L"	"R"
PX20X-XAX-XXX-B( )	19.75" (501.7 mm)	1.87" (47.6 mm)	2" (50.8 mm)	12.93" (328.6 mm)
PX20X-XCX-XXX-B( )	19.75" (501.7 mm)	1.87" (47.6 mm)	2" (50.8 mm)	12.93" (328.6 mm)
PX20X-AHX-XXX-B( ), -BHX	19.25" (488.7 mm)	2.5" (63.5 mm)	2.09" (53.0 mm)	13.56" (344.5 mm)
PX20X-ASX-XXX-B( ), -BSX	19.37" (492.1 mm)	2.5" (63.5 mm)	2.09" (53.0 mm)	13.56" (344.5 mm)
PX20X-FHX-XXX-B( )	19.25" (488.7 mm)	2.5" (63.5 mm)	3.25" (82.6 mm)	13.56" (344.5 mm)
PX20X-FSX-XXX-B( )	19.37" (492.1 mm)	2.5" (63.5 mm)	3.25" (82.6 mm)	13.56" (344.5 mm)

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

* Side Discharge Ports are not available on PX20X-XSX-X-B Models.

PERFORMANCE CURVES

PD20X-XXX-XXX-B / PE20X-XXX-XXX-B( ) / PZ20X-XXX-XXX-B 2" METALLIC DIAPHRAGM PUMP

