

SALES AND ENGINEERING DATA

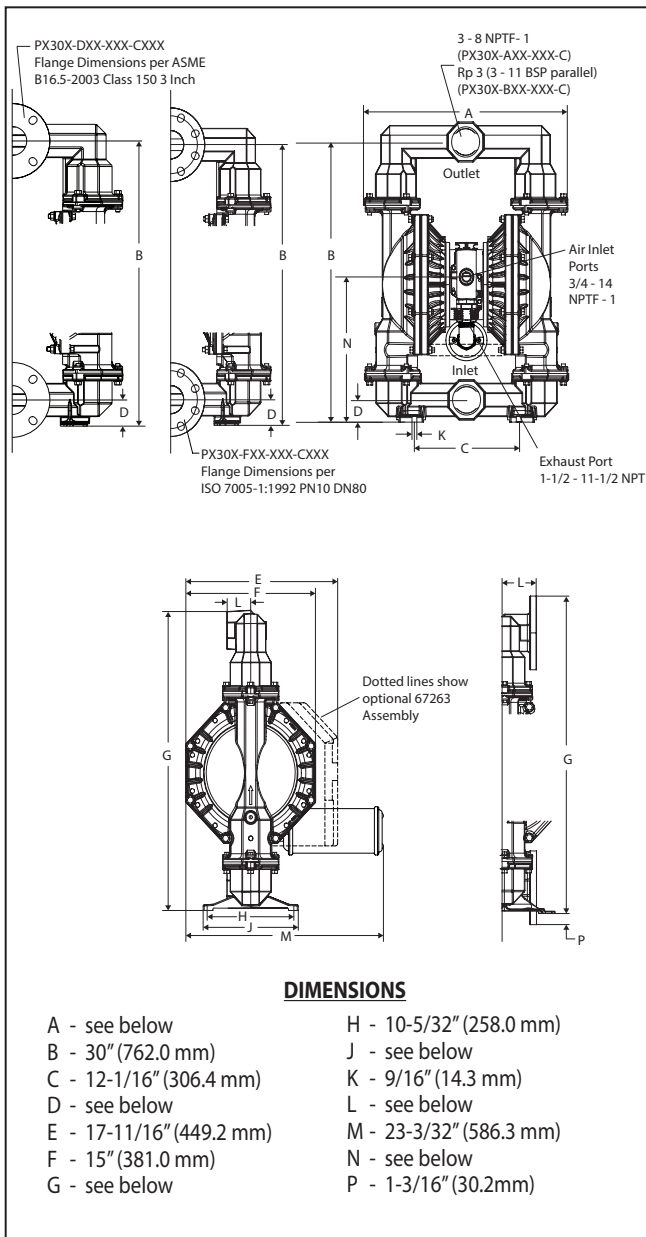
PD30A-XXX-XXX-CXXX / PD30S-XXX-XXX-CXXX PE30A-XXX-XXX-CXXX / PE30S-XXX-XXX-CXXX 3" METALLIC DIAPHRAGM PUMP

RATIO SERIES: **1:1**

FLUID PSIG RANGE: **20 - 120**

RELEASED: 2-9-05
REVISED: 11-30-17
(REV: J) S-1340

DIMENSIONAL DATA



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

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 129.5 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-XXX-CXXX | |
|----------------------|--------------------|
| With Seats | Without Seats |
| 637303-XXX | 637303-XX |
| Diaphragm Material | Diaphragm Material |
| Ball Material | Ball Material |
| Seat 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)
Hytrell® -20° to 180° F (-29° to 82° C)
Nitrile 10° to 180° F (-12 to 82° C)
PVDF (Kynar®) 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 cpm ... 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) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

| | "A" | "D" | "J" | "N" | "L" | "G" |
|--------------------|--------------------|-------------------|----------------------|--------------------|-------------------|----------------------|
| PX30X-XAX-XXX-CXXX | 23-5/8" (600.1 mm) | 2-3/8" (60.3 mm) | 11" (279.4 mm) | 15-1/2" (393.7 mm) | 2-3/4" (69.9 mm) | 32" (812.8 mm) |
| PX30X-XCX-XXX-CXXX | 23-5/8" (600.1 mm) | 2-7/16" (61.9 mm) | 11-11/16" (296.9 mm) | 15-1/2" (393.7 mm) | 2-3/4" (69.9 mm) | 32" (812.8 mm) |
| PX30X-XHX-XXX-CXXX | 23-1/8" (587.4 mm) | 2-3/4" (69.9 mm) | 11-11/16" (296.9 mm) | 16" (406.4 mm) | 2-3/4" (69.9 mm) | 32" (812.8 mm) |
| PX30X-XSX-XXX-CXXX | 23-1/8" (587.4 mm) | 2-3/4" (69.9 mm) | 11-11/16" (296.9 mm) | 16" (406.4 mm) | 2-3/4" (69.9 mm) | 32" (812.8 mm) |
| PX30X-DXX-XXX-CXXX | 23-1/8" (587.4 mm) | 2-3/4" (69.9 mm) | 11-11/16" (296.9 mm) | 16" (406.4 mm) | 3-3/4" (95.25 mm) | 33-15/16" (862.0 mm) |
| PX30X-FXX-XXX-CXXX | 23-1/8" (587.4 mm) | 2-3/4" (69.9 mm) | 11-11/16" (296.9 mm) | 16" (406.4 mm) | 3-3/4" (95.25 mm) | 33-15/16" (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.

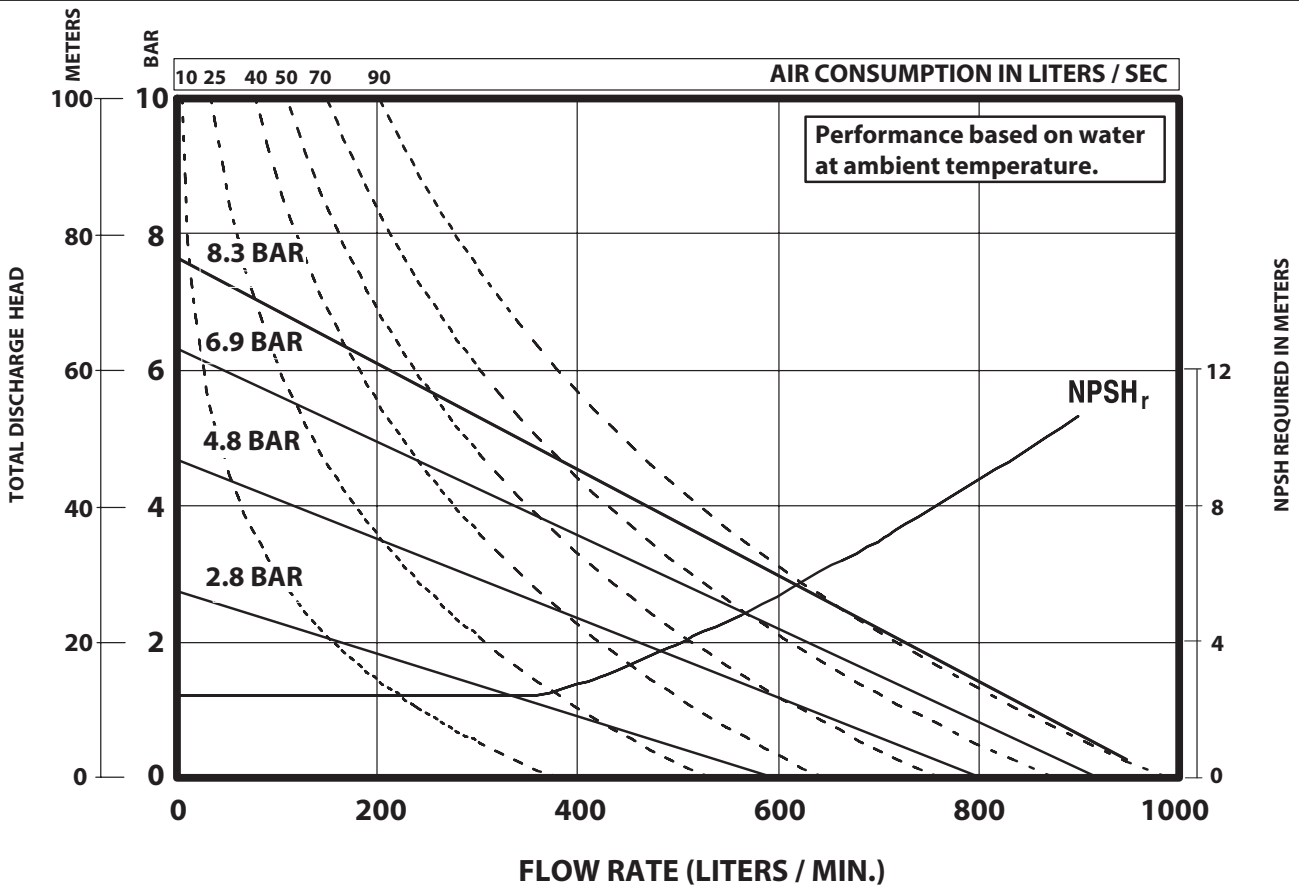
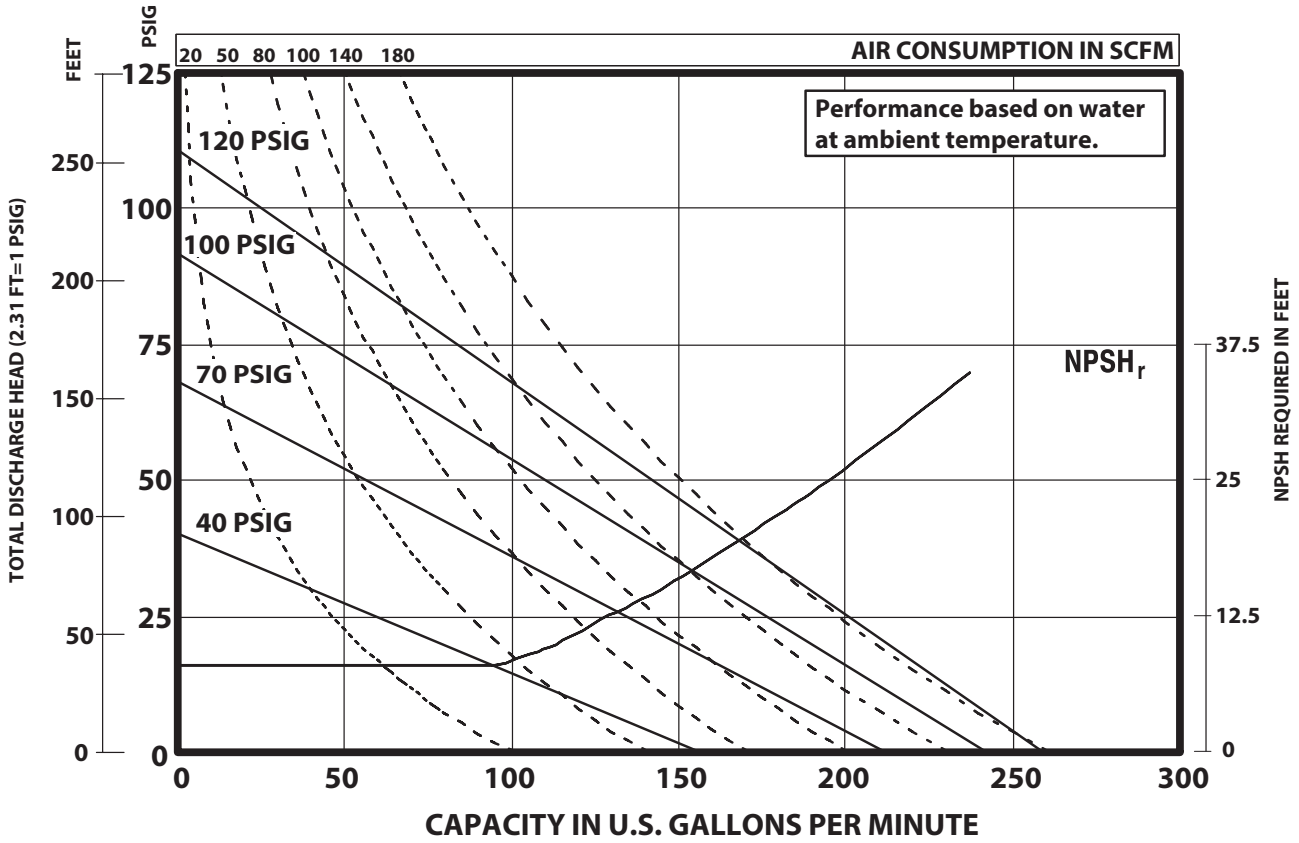
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PERFORMANCE CURVES

PD30A-XXX-XXX-CXXX AND PD30S-XXX-XXX-CXXX 3" METALLIC DIAPHRAGM PUMP



PERFORMANCE CURVES

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

