

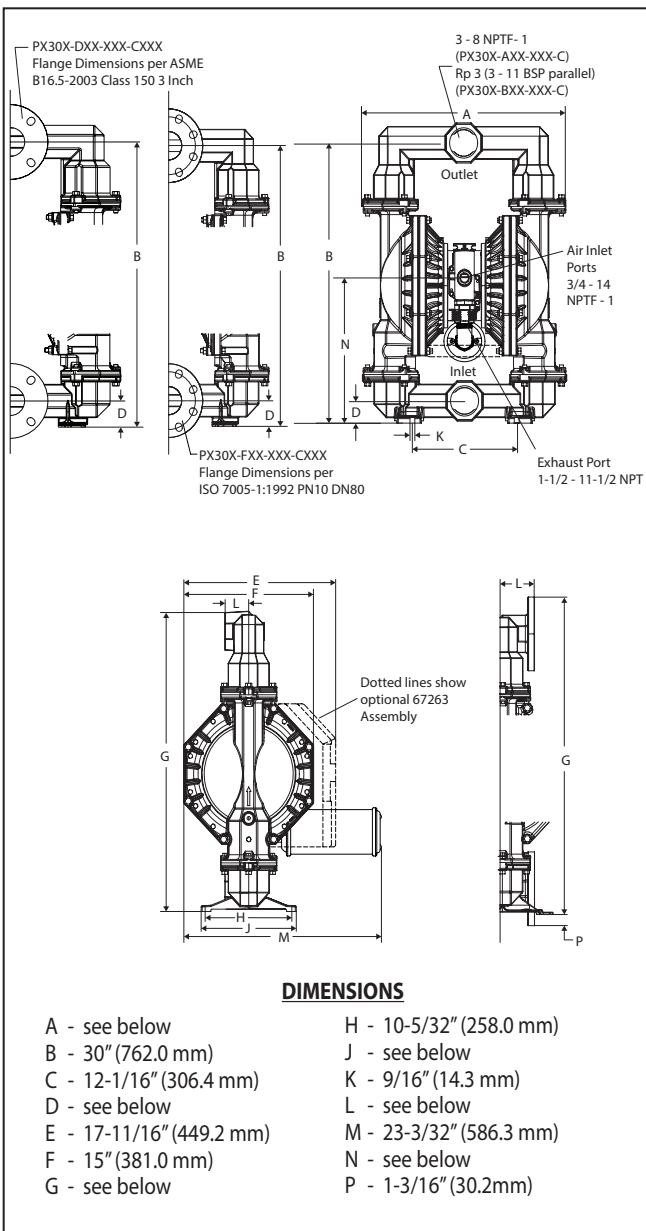
SALES AND ENGINEERING DATA

**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-A_XX-XXX-CXXX 3 - 8 NPTF - 1
PX30X-B_XX-XXX-CXXX Rp 3 (3 - 11 BSP parallel)
PX30X-D_XX-XXX-CXXX 3" ANSI Flange (4 Holes)
PX30X-F_XX-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, B_HX 249.8 lbs (113.3 kgs)
PX30A-ASX-XXX-CXXX, B_SX .. 228.8 lbs (103.8 kgs)
PX30A-FHX-XXX-CXXX, D_HX. 269.6 lbs (122.3 kgs)
PX30A-FSX-XXX-CXXX, D_SX. 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

With Seats	PX30X-XXX-X_{XX}-CXXX	Without Seats
637303 - X _{XX}	Diaphragm Material Ball Material Seat Material	637303 - X _{XX}

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^① ... 83.0 dB(A)^②

① Tested with 67263 muffler assembly installed.

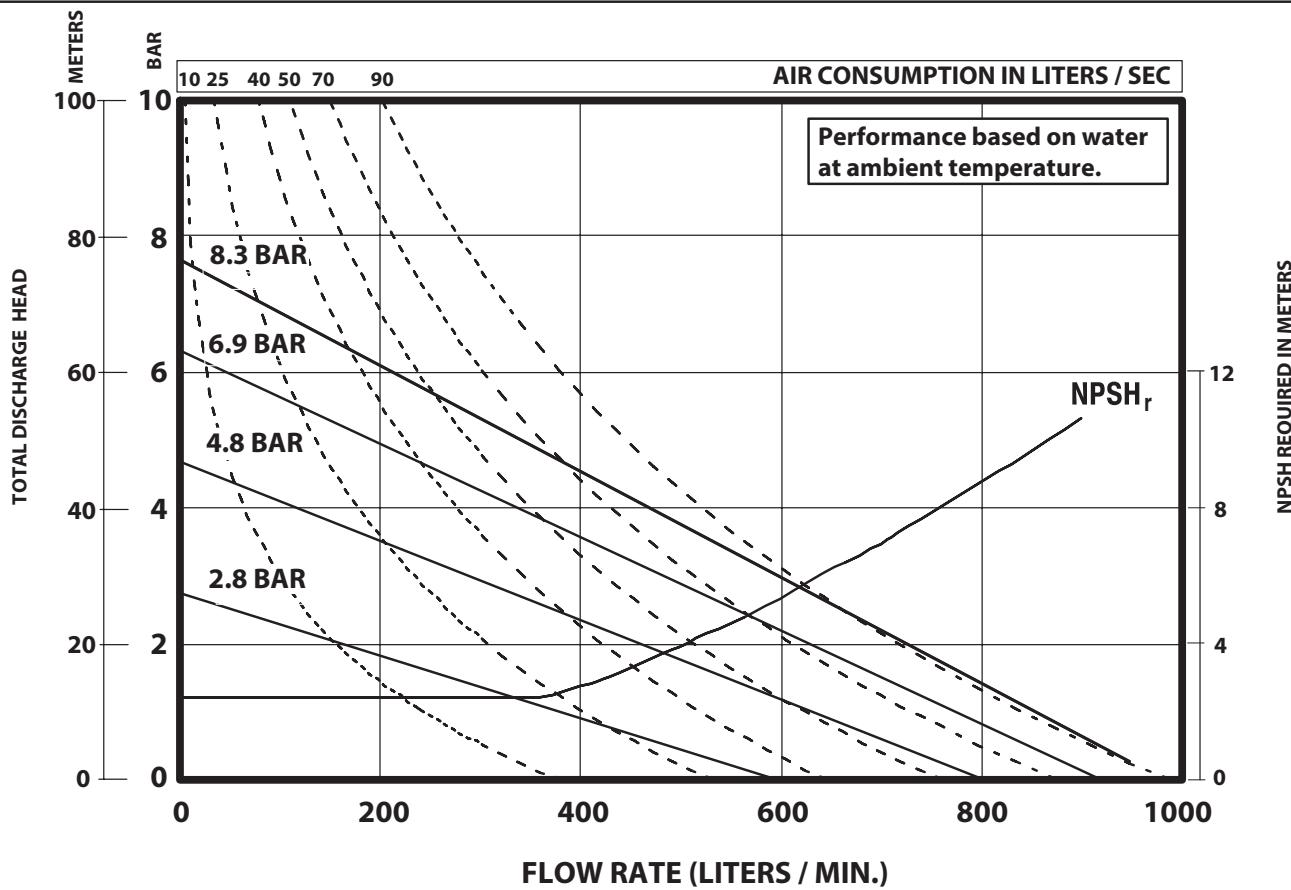
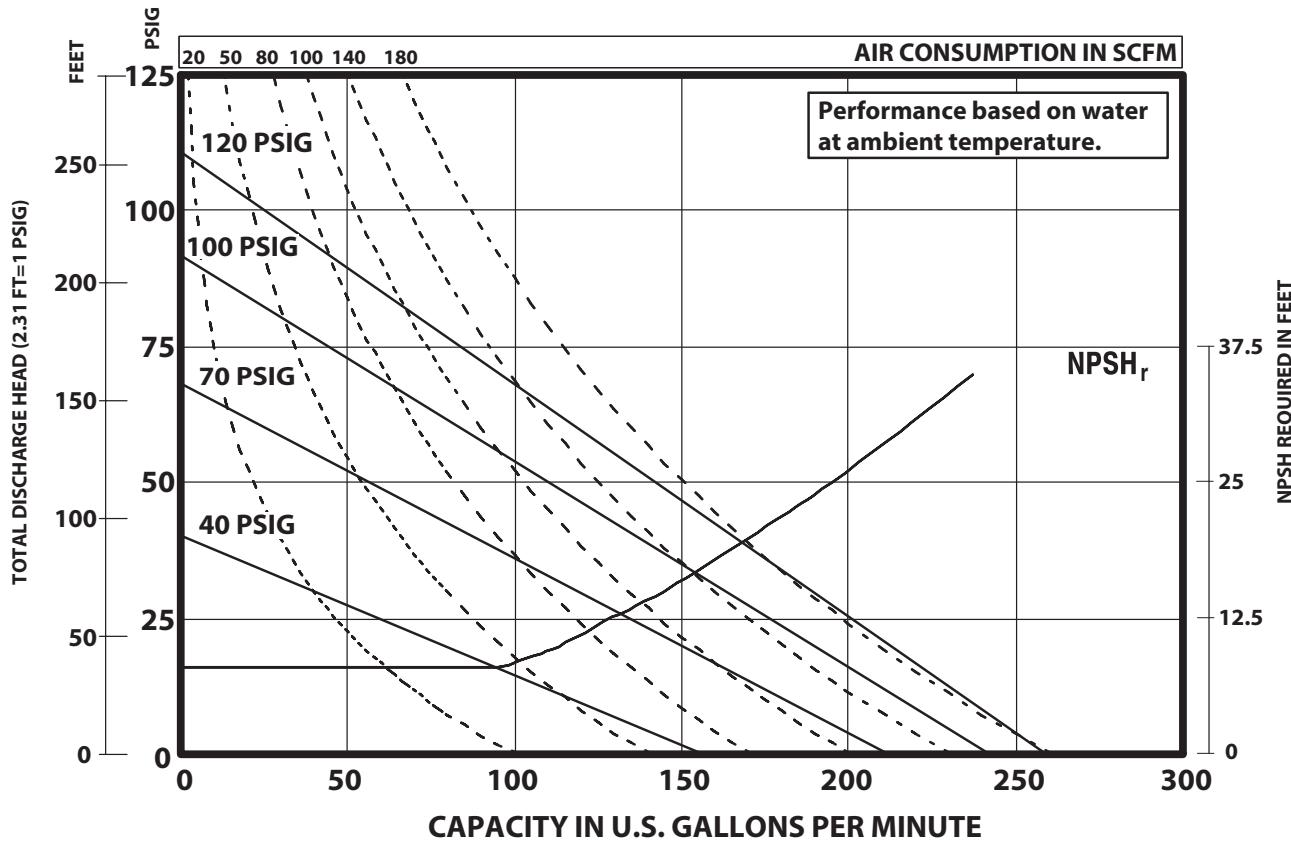
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

"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)	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)	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)	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)	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)
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)

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

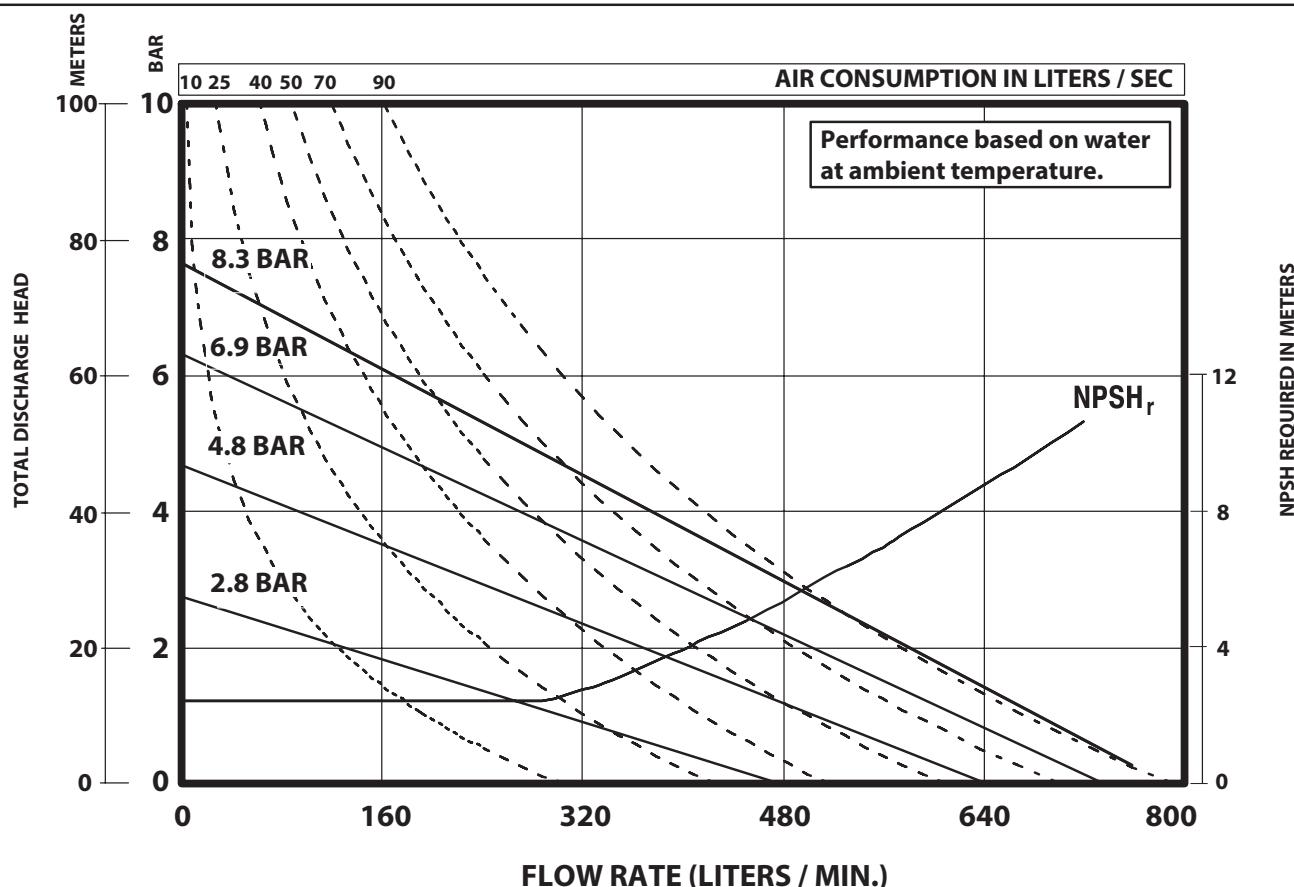
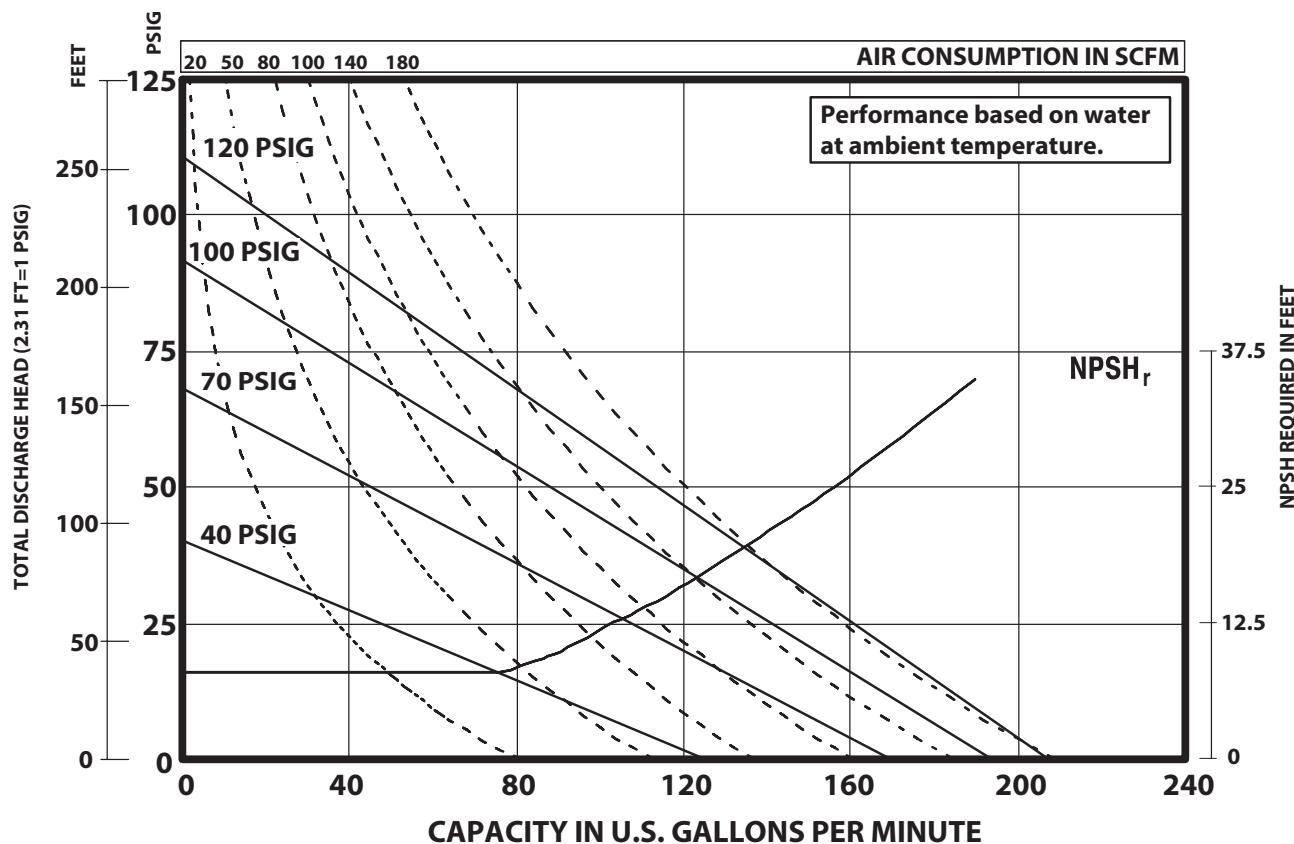
PERFORMANCE CURVES

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



ARO

