

# SALES AND ENGINEERING DATA

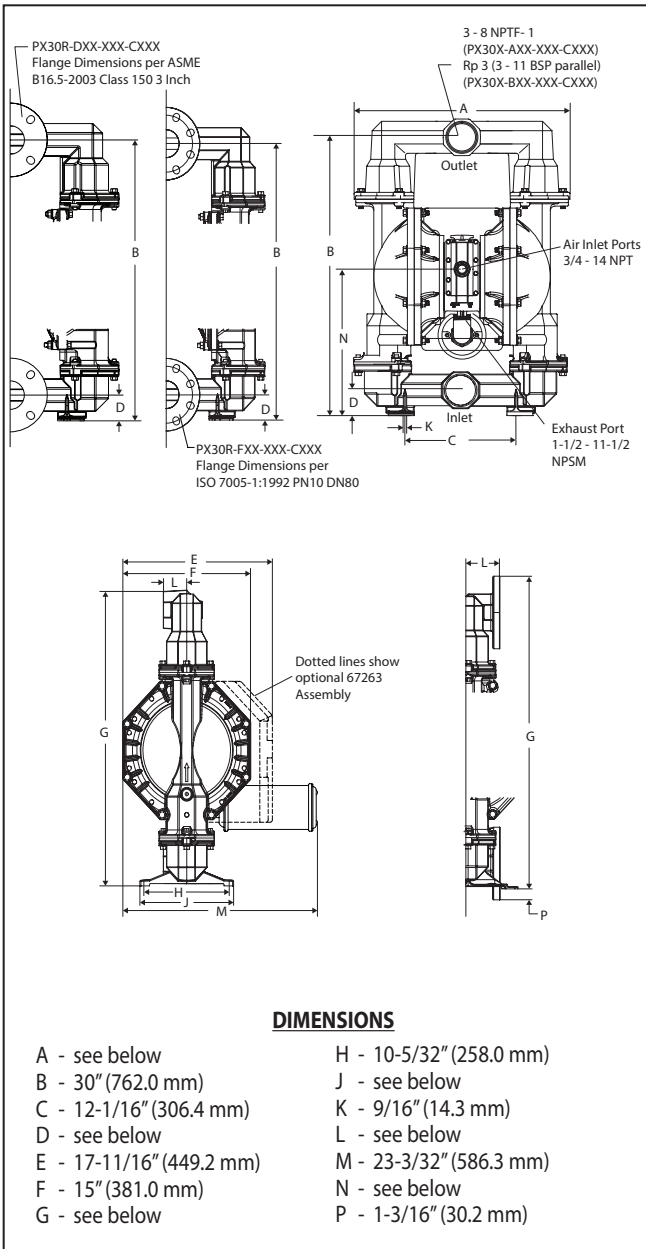
## PD30R-XXX-XXX-CXXX AND PE30R-XXX-XXX-CXXX 3" METALLIC DIAPHRAGM PUMP

RATIO SERIES: **1:1**

FLUID PSIG RANGE: **20 - 120**

RELEASED: 2-4-05  
REVISED: 11-30-17  
(REV: J) S-1341

### DIMENSIONAL DATA



### ACCESSORIES:

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

### SPECIFICATIONS

#### CONSTRUCTION

<b>Model Series</b> .....	PD30R-XXX-XXX-CXXX PE30R-XXX-XXX-CXXX	
<b>Pump Type</b> .....	Metallic, Air Operated, Double Diaphragm	
<b>Ratio</b> .....	1:1	
<b>Material Inlet / Outlet (female)</b>		
PX30R- <u>AXX</u> -XXX-CXXX .....	3 - 8 NPTF - 1	
PX30R- <u>BXX</u> -XXX-CXXX .....	Rp 3 (3 - 11 BSP parallel)	
PX30R- <u>DXX</u> -XXX-CXXX .....	3" ANSI FLANGE (4 holes)	
PX30R- <u>FSX</u> -XXX-CXXX, - <u>DSX</u> .....	3" DIN FLANGE (8 holes)	
<b>Air Inlet (female)</b> .....	3/4 - 14 NPT	
<b>Air Exhaust (female)</b> .....	1-1/2 - 11-1/2 NPSM	
<b>Weight</b> ..	PX30R- <u>XCX</u> -XXX-CXXX .....	221.1 lbs (100.3 kgs)
	PX30R- <u>ASX</u> -XXX-CXXX, - <u>BSX</u> .....	228.8 lbs (103.8 kgs)
	PX30R- <u>FSX</u> -XXX-CXXX, - <u>DSX</u> .....	245.6 lbs (111.4 kgs)
<b>Air Section Service Kit</b> .....	637369	
<b>Fluid Section Service Kit (without Seats)</b> .....	637303-XX	
<b>Fluid Section Service Kit (with Seats)</b> ..	637303-XXX	

With Seats	PD30R-XXX-X[ ]X[ ]-CXXX	Without Seats
637303 - X[ ]X[ ]		637303 - X[ ]X[ ]
Diaphragm Material		Diaphragm Material
Ball Material		Ball Material
Seat material		

EXAMPLE: Model #PD30R-ASS-SAA-C  
Fluid Section Service Kit is 637303-AA (without Seat)

#### PERFORMANCE

<b>Air Inlet Pressure Range</b> .....	20 - 120 psig (1.4 - 8.3 bar)
<b>Maximum Material Inlet Pressure</b> ..	10 psig (0.69 bar)
<b>Fluid Outlet Pressure Range</b> .....	20 - 120 psig (1.4 - 8.3 bar)
<b>Maximum Flow Rate</b> .....	237 gpm (897 lpm)
<b>flooded inlet</b> .....	275 gpm (1,041 lpm)
<b>Maximum Particle Size</b> .....	3/8" dia. (9.5 mm)
<b>Maximum Temperature Limits (diaphragm / ball / seal material)</b>	
E.P.R./EPDM .....	-60° to 280° F (-51° to 138° C)
Hytre® .....	-20° to 180° F (-29° to 82° C)
Kynar PVDF .....	10° to 200° F (-12° to 93° C)
Nitrile .....	10° to 180° F (-12° to 82° C)
Polypropylene .....	35° to 175° F (2° to 79° 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)
<b>Displacement / Cycle @ 100 psig</b> ...	2.8 gal. (10.6 lit.)
<b>Noise Level @ 70 psig - 50 cpm</b> ① ...	83.0 dB(A) ②

#### NOTE:

- ① Tested with 67263 muffler assembly installed.
- ② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA<sub>eq</sub>) 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-C	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-C	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-C	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-C	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-C	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-C	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.

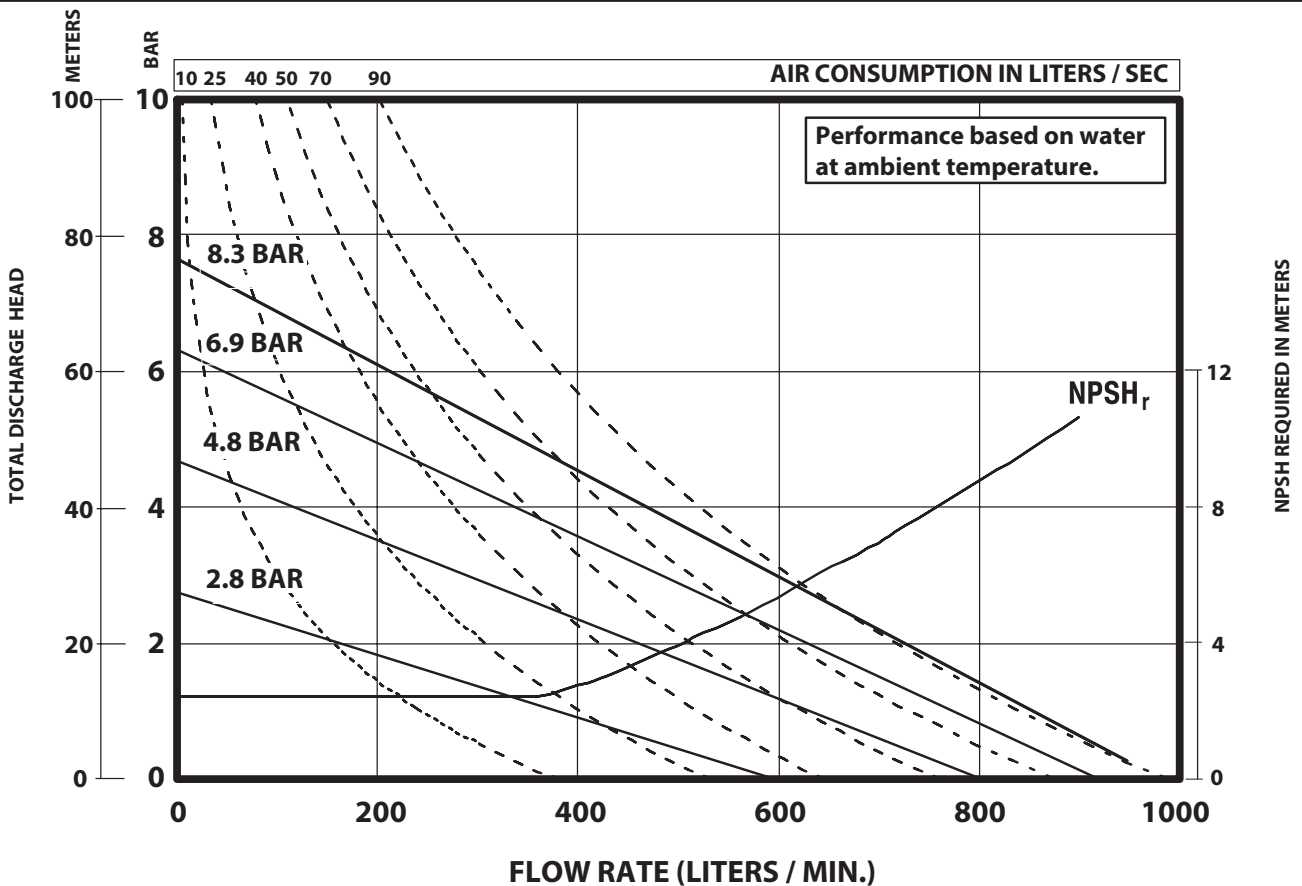
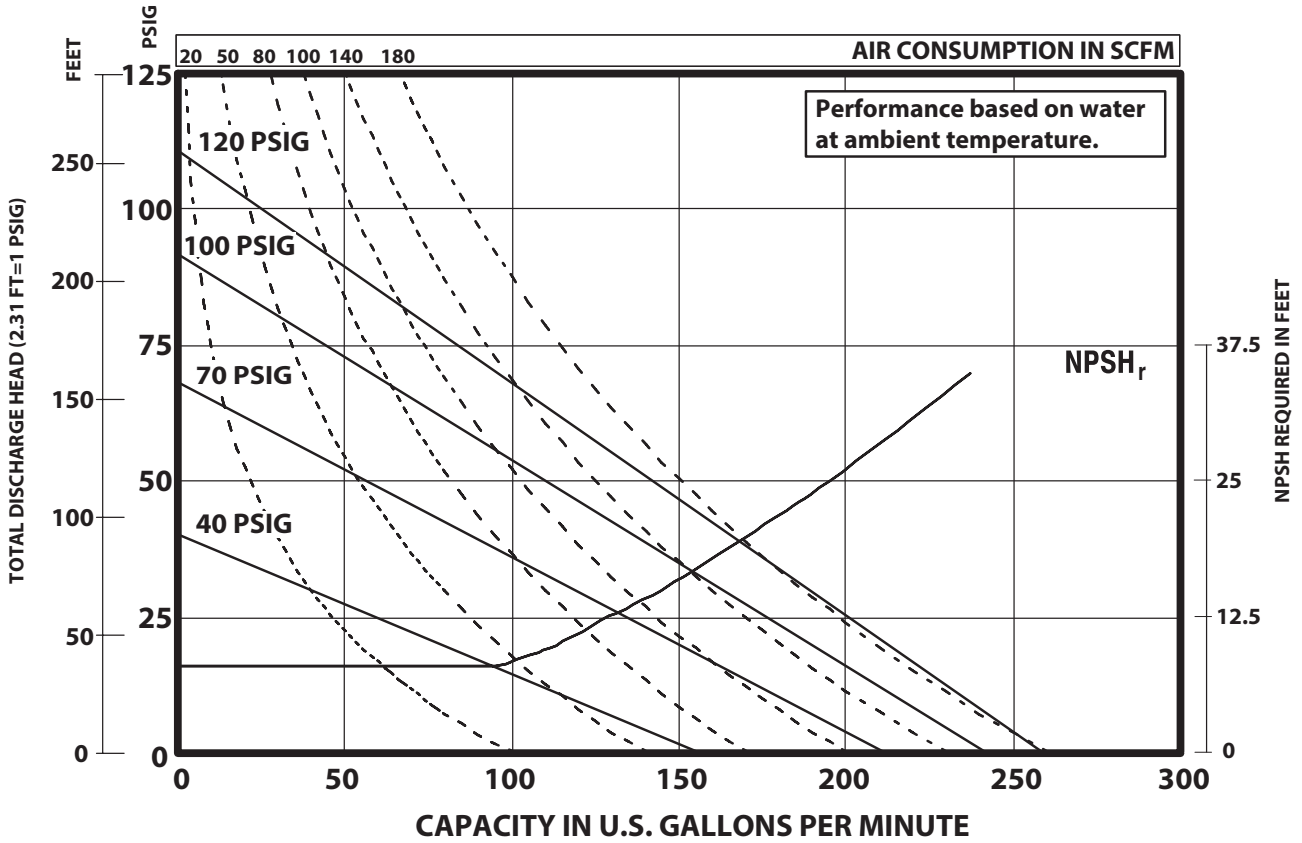
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# PERFORMANCE CURVES

## PD30R-XXX-XXX-CXXX / PE30R-XXX-XXX-CXXX 3" METALLIC DIAPHRAGM PUMP



# PERFORMANCE CURVES

## PE30R-XXX-XXX-XXEX / PE30R-XXX-XXX-XXFX 3" METALLIC DIAPHRAGM PUMP

