SALES & ENGINEERING DATA

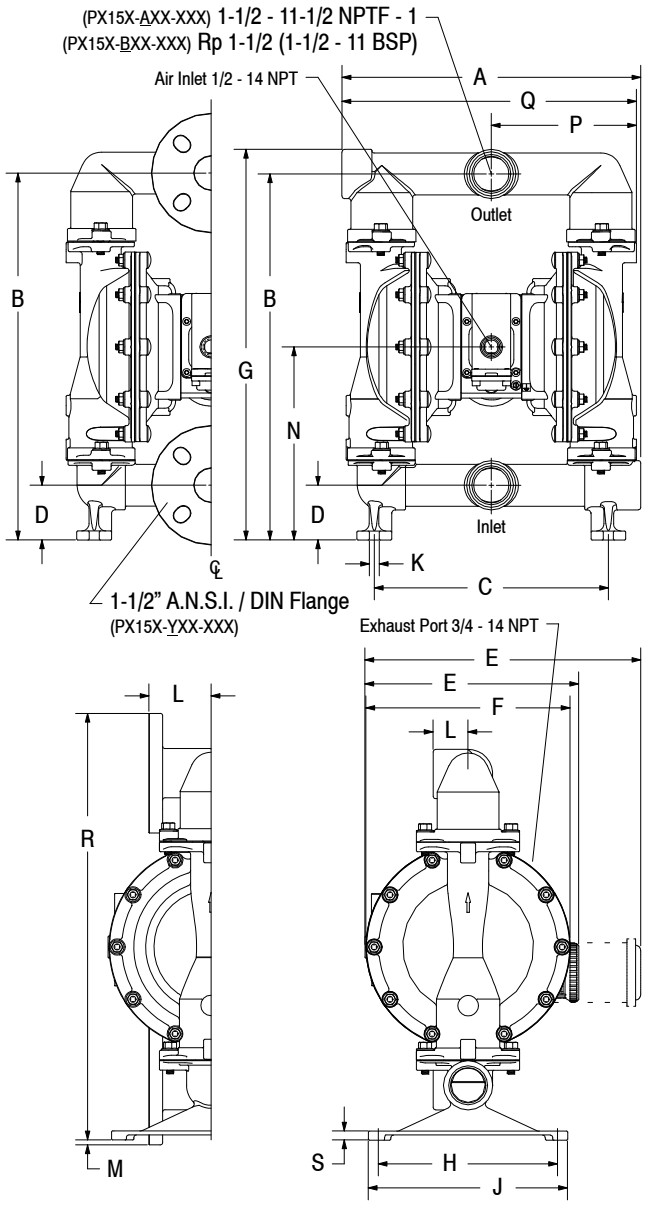
RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

PD15X-XXX-XXX & PE15X-XXX-XXX

1-1/2" METALLIC DIAPHRAGM PUMP

RELEASED: 8-7-03
REVISED: 11-7-14
(REV. M) S-1281

DIMENSIONAL DATA



DIMENSIONS

A - see below	G - 19-5/8" (498.1 mm)	N - 9-11/16" (246.0 mm)
B - 18-3/8" (466.7 mm)	H - 9" (228.6 mm)	P - see below
C - 11-3/4" (298.5 mm)	J - 10" (254.0 mm)	Q - see below
D - 2-3/4" (69.9 mm)	K - 1/2" (12.7 mm)	R - 21-7/16" (543.9 mm)
E - see below	L - see below	S - see below
F - 10-1/4" (260.4 mm)	M - 1/4" (6.4 mm)	

SPECIFICATIONS

CONSTRUCTION

Model Series PD15X-XXX-XXX
PE15X-XXX-XXX
Pump Type . . . . . Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX15X-AXX-XXX . . . . . 1-1/2 - 11-1/2 NPTF - 1
PX15X-BXX-XXX . . . . . Rp 1-1/2 (1-1/2 - 11 BSP)
PX15X-YXX-XXX . . . . . 1-1/2" ANSI / DIN Flange
Air Inlet (female) . . . . . 1/2 - 14 NPT
Air Exhaust (female) . . . . . 3/4 - 14 NPT
Weight . . PX15R-XAX-XXX . . . . . 37.65 lbs (17.08 kgs)
PX15R-XCX-XXX . . . . . 73.2 lbs (33.2 kgs)
PX15R-XHX-XXX . . . . . 86.9 lbs (39.4 kgs)
PX15R-XSX-XXX . . . . . 61.2 lbs (27.8 kgs)
add 2.14 lbs (0.97 kg) for aluminum air motor section
add 18.14 lbs (8.23 kg) for stainless steel air motor section
Air Section Service Kit 637389
Major Air Valve Assembly 637390-X
Fluid Section Service Kit 637375-XX

PX15X-XXX-X [X] [X]
637375 - [X] [X]
Diaphragm Material
Ball Material

EXAMPLE: Model # PD15S-ASS-SAA
Fluid Section Service Kit is 637375-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 (flooded inlet) . . . 123 gpm (465.6 lpm)
Displacement / Cycle @ 100 psig. . 0.617 gal. (2.34 lit.)
Maximum Particle Size . . . . . 1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal 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)
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)
Noise Level @ 70 psig - 60 cpm . . . 82.8 dB(A)①

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

	"A"	"L"	"P"	"Q"	"S"
PX15X-XAX-XXX	14-7/8" (377.8 mm)	1-3/4" (44.5 mm)	7-7/32" (183.4 mm)	14-23/32" (373.9 mm)	1/2" (12.7 mm)
PX15X-XCX-XXX	14-5/8" (371.5 mm)	1-3/4" (44.5 mm)	7-3/16" (182.6 mm)	14-1/2" (368.3 mm)	1/4" (6.4 mm)
PX15X-XHX-XXX	14-9/16" (370.0 mm)	3-1/8" (79.4 mm)	7-3/16" (182.6 mm)	14-1/2" (368.3 mm)	1/4" (6.4 mm)
PX15X-ASX-XXX	14-25/32" (375.5 mm)	1-3/4" (44.5 mm)	7-9/32" (185.0 mm)	14-13/16" (375.5 mm)	15/32" (11.4 mm)
PX15X-BSX-XXX	14-25/32" (375.5 mm)	1-3/4" (44.5 mm)	7-9/32" (185.0 mm)	14-13/16" (375.5 mm)	15/32" (11.4 mm)
PX15X-YSX-XXX	14-9/16" (370.0 mm)	3-1/8" (79.4 mm)	7-9/32" (185.0 mm)	14-9/16" (370.0 mm)	15/32" (11.4 mm)

	"E"
PX15A-XXX-XXX	14-1/32" (356.2 mm)
PX15R-XXX-XXX	11-3/32" (281.3 mm)
PX15S-XXX-XXX	13-7/8" (352.4 mm)

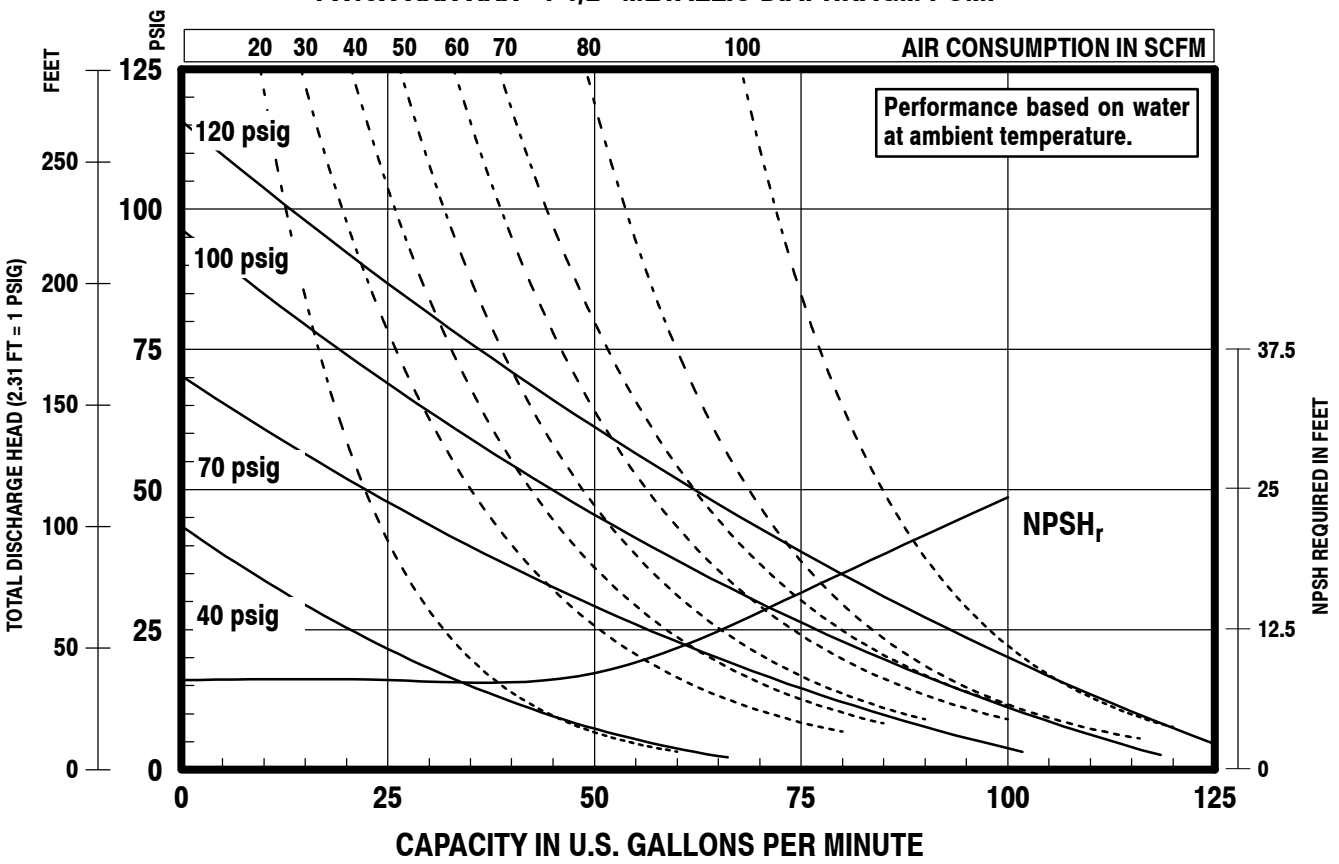
INGERSOLL RAND COMPANY LTD
209 NORTH MAIN STREET – BRYAN, OHIO 43506
(800) 495-0276 • FAX (800) 892-6276
arozone.com

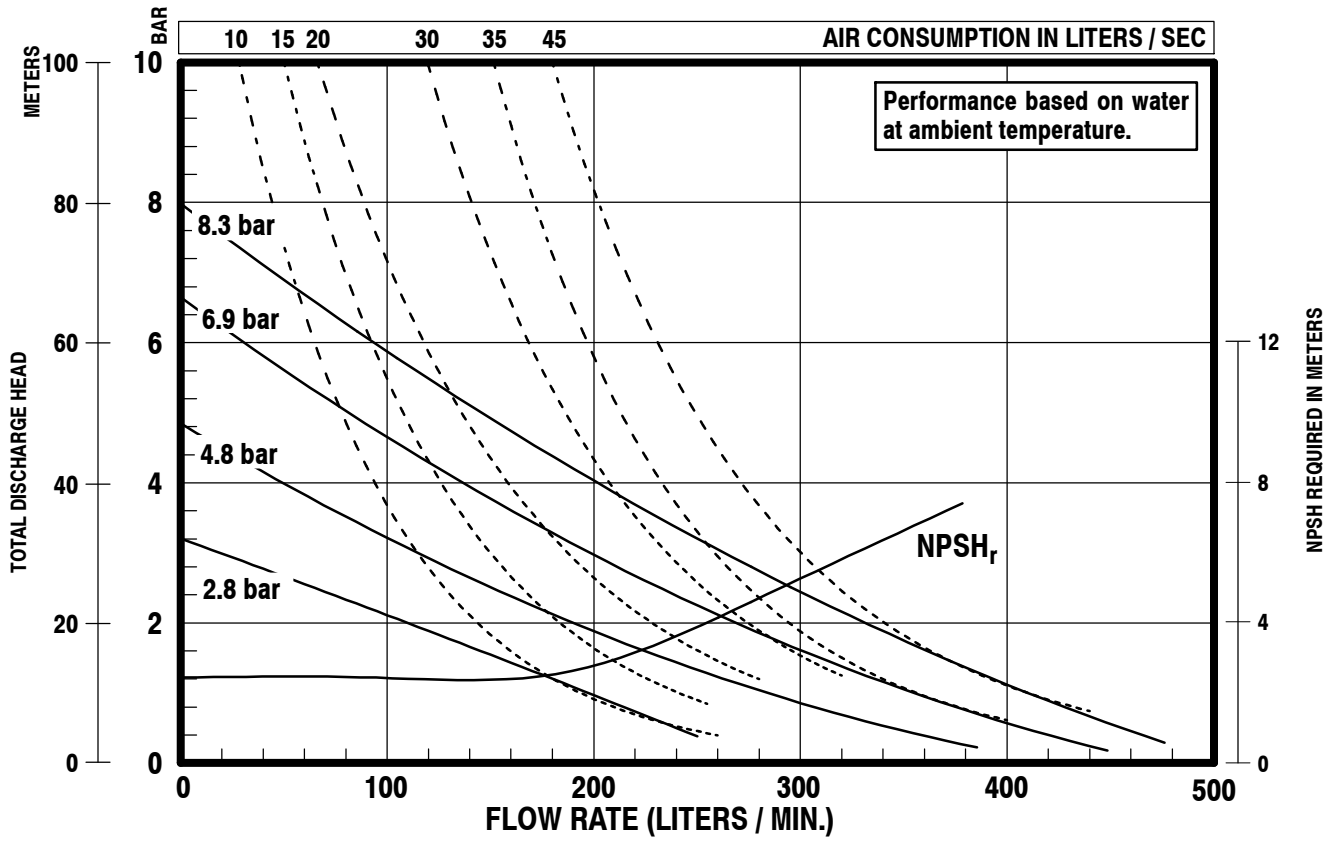
© 2014
CCN 15198989

ARO Ingersoll Rand

PERFORMANCE CURVES

PX15X-XXX-XXX 1-1/2" METALLIC DIAPHRAGM PUMP





PERFORMANCE CURVES

PE15X-XXX-XXX-XXEX & PE15X-XXX-XXX-XXFX 1-1/2" METALLIC DIAPHRAGM PUMP

