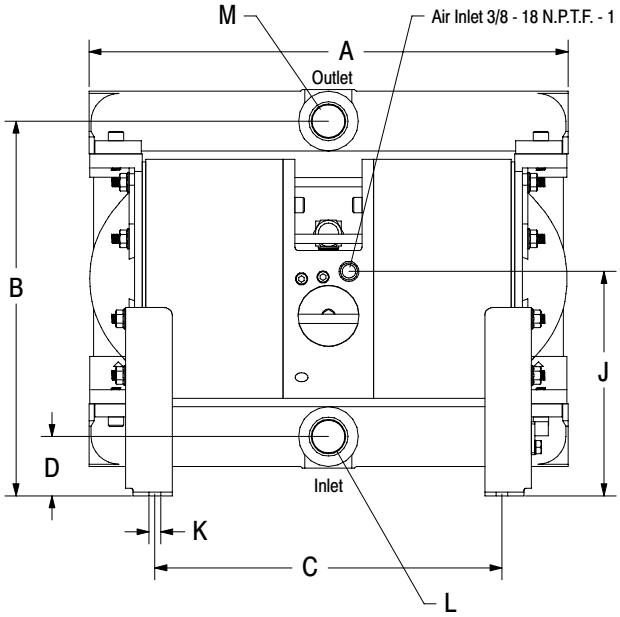
SALES & ENGINEERING DATA

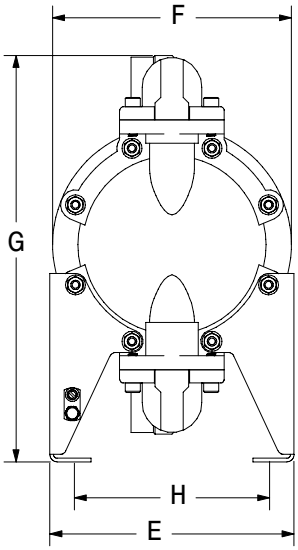
RATIO SERIES:	3:1
FLUID P.S.I. RANGE:	60 - 300

PH10A-XSS-XXT
1” HIGH PRESSURE METALLIC DIAPHRAGM PUMP

RELEASED: 7-7-00
REVISED: 3-2-06
(REV. E) S-1193

DIMENSIONAL DATA





DIMENSIONS

A	16-1/16” (407 mm)	E	8-3/16” (208 mm)	J	7-9/16” (191 mm)
B	12-9/16” (319 mm)	F	8” (203 mm)	K	13/32” (10 mm)
C	11-5/8” (295 mm)	G	13-5/8” (346 mm)	L	see below
D	2” (50 mm)	H	6-9/16” (166 mm)	M	see below

	“L” Material Inlet	“M” Material Outlet
PH10A-ASS-XXT	1 - 11-1/2 N.P.T.F. - 1	1 - 11-1/2 N.P.T.F. - 1
PH10A-BSS-XXT	Rp1 (1 - 11 BSP parallel)	Rp1 (1 - 11 BSP parallel)

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

SPECIFICATIONS

CONSTRUCTION

Model Series PH10A-XSS-XXT
Pump Type . . . . . Metallic, Air Operated, High Pressure, Double Diaphragm
Ratio 3:1
Material Inlet / Outlet (female)
models PH10A-ASS-XXT . . . . . 1 - 11-1/2 N.P.T.F. - 1
models PH10A-BSS-XXT . . . . . Rp 1 (1 - 11 BSP parallel)
Air Inlet . . . . . 3/8 - 18 N.P.T.F. - 1
Air Exhaust . . . . . 3/8 - 18 N.P.T.F. - 1
Weight . . . . . 94.73 lbs (42.97 kgs)
Air Section Service Kit 637338
Fluid Section Service Kit
models PH10A-XSS-XHT 637339-1
models PH10A-XSS-XST 637339

PERFORMANCE

Air Inlet Pressure Range . . . . . 20 - 100 p.s.i. (1.4 - 6.9 bar)
Fluid Pressure Range . . . . . 60 - 300 p.s.i. (4.1 - 20.7 bar)
Maximum Flow Rate (flooded inlet) . . . . . 26 g.p.m. (98.4 l.p.m.)
Maximum Particle Size . . . . . 1/8” dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)
Nitrile . . . . . 10° to 180° F (-12° to 82° C)
T.F.E. (Teflon) . . . . . 40° to 225° F (4° to 107° C)
Displacement / Cycle @ 100 p.s.i. . . 0.06 gal. (0.23 lit.)
Noise Level @ 70 p.s.i. - 60 c.p.m.① . 84.5 db(A)②

Notes:
① Tested with 93110 muffler installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

ACCESSORIES:
67142 Wall Mount Bracket

INGERSOLL RAND COMPANY LTD
P.O. BOX 151 • ONE ARO CENTER • BRYAN, OHIO 43506-0151
(800) 276-4658 • FAX (800) 266-7016

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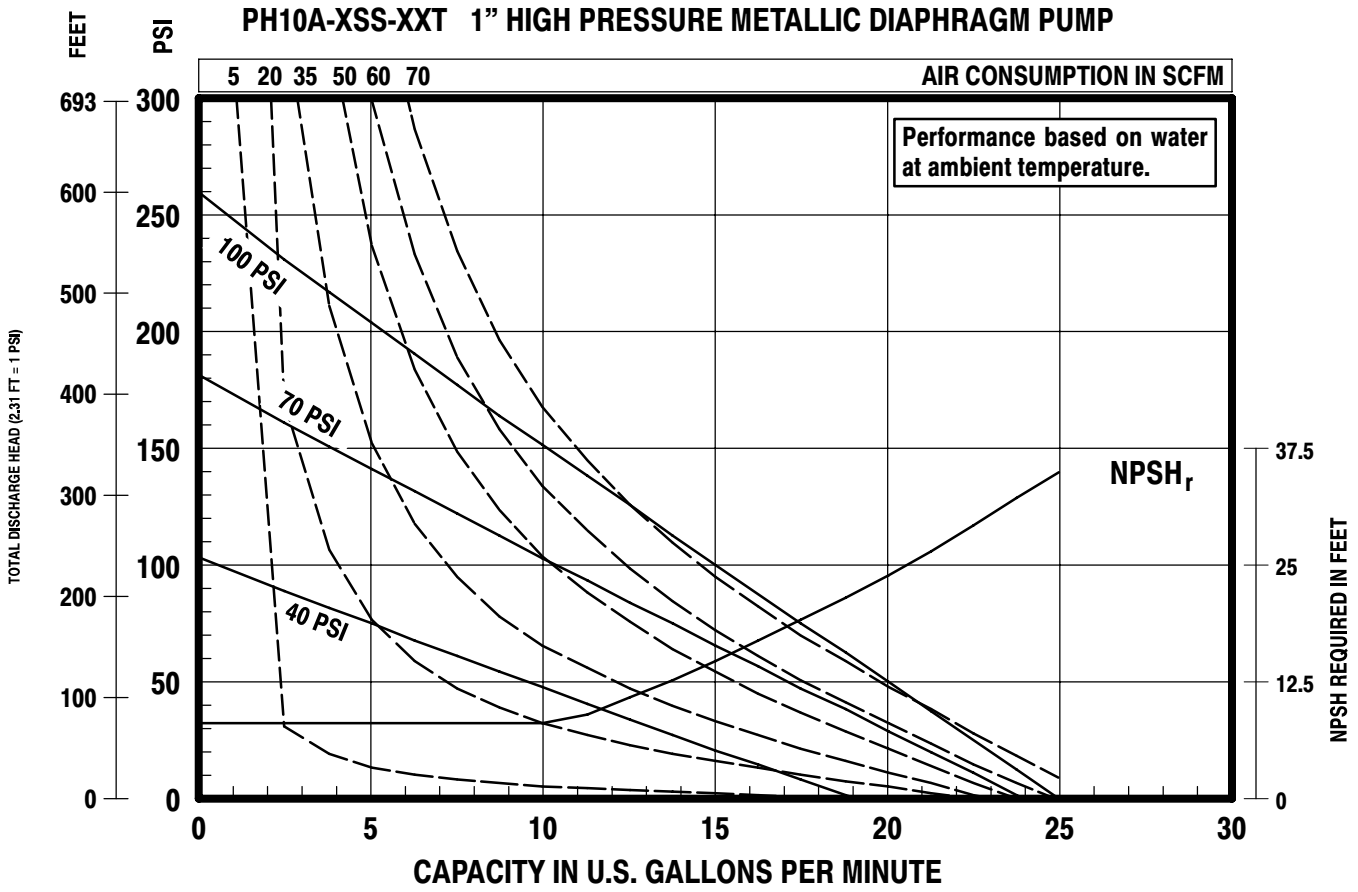
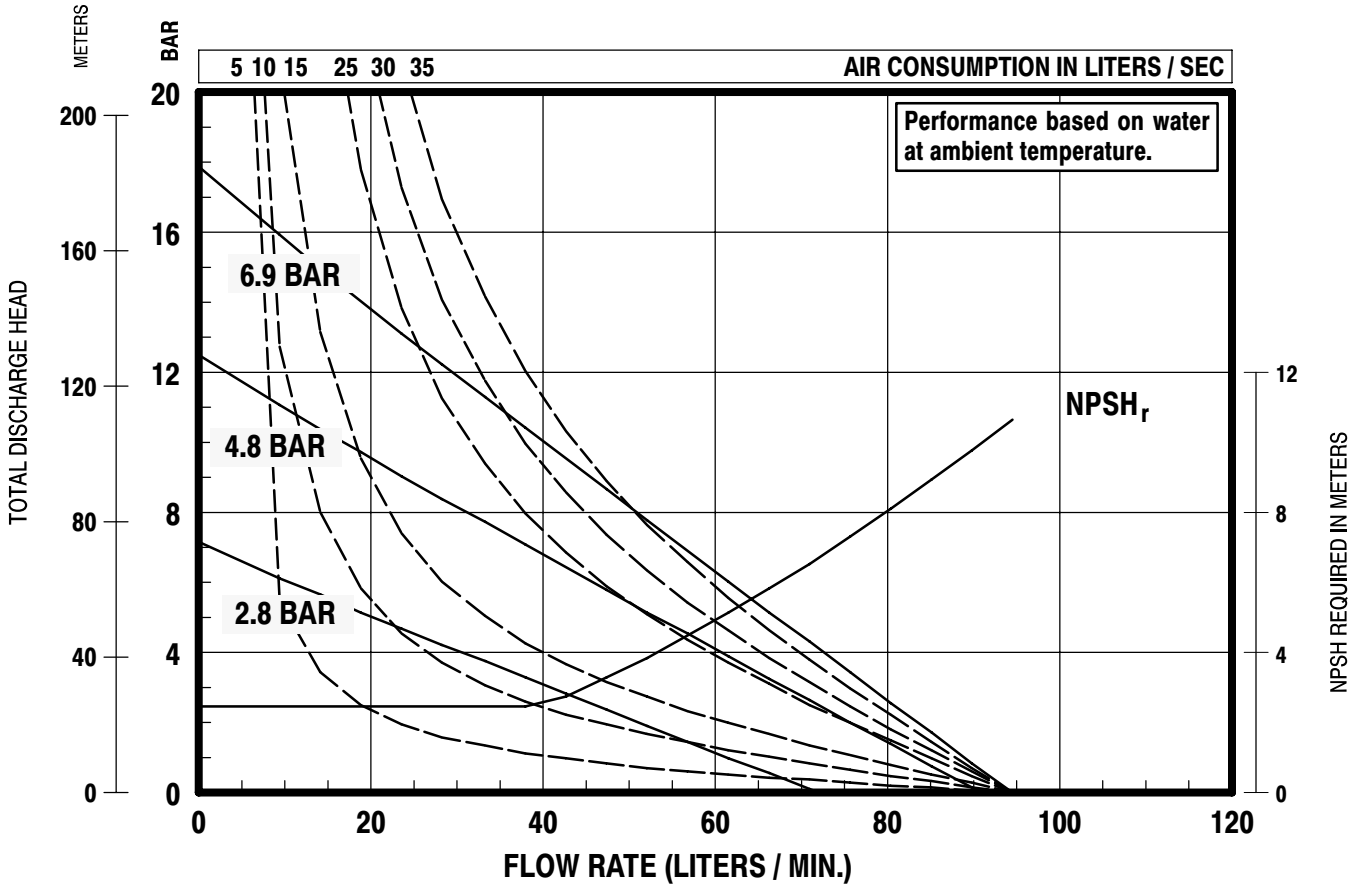
Ingersoll Rand

PH10A-XSS-XXT 1" HIGH PRESSURE METALLIC DIAPHRAGM PUMP