SALES & ENGINEERING DATA

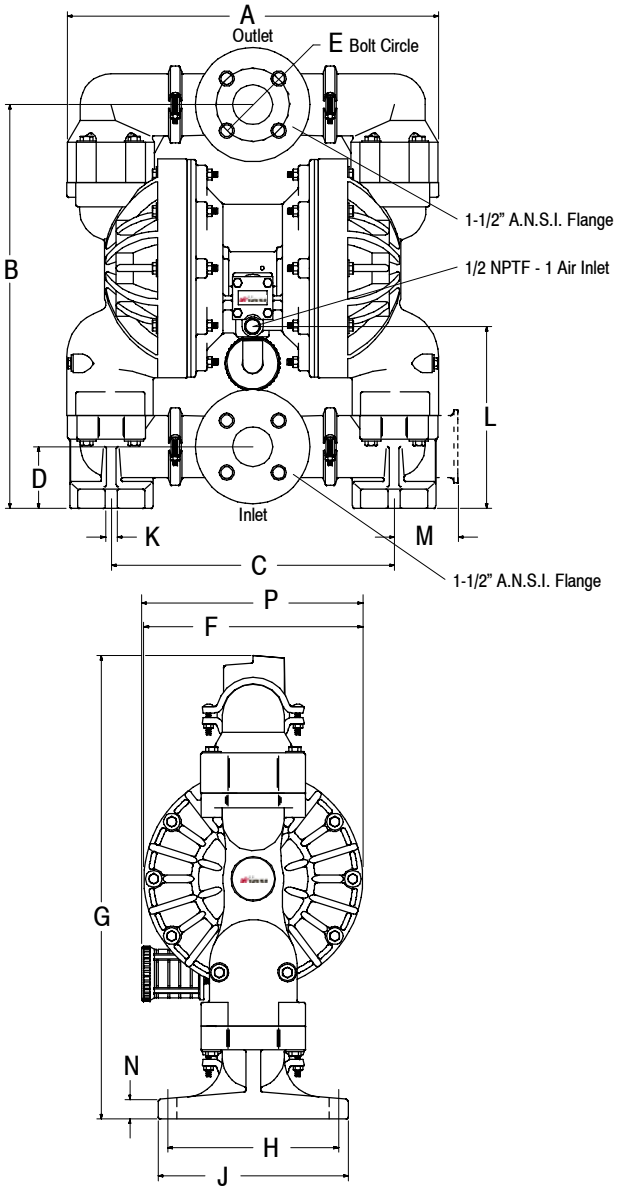
RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 120

6661T3-XXX-C THRU 6661U4-XXX-C

1-1/2" NON-METALLIC DIAPHRAGM PUMP

RELEASED: 1-10-97
REVISED: 12-12-12
(REV. E) S-876

DIMENSIONAL DATA



DIMENSIONS

A	19-1/2" (495)	F	11-1/2" (292)	L	9-5/8" (244)
B	21-5/16" (541)	G	24-1/2" (622)	M	3-3/8" (86)
C	14-15/16" (379)	H	9" (229)	N	1-1/16" (27)
D	3-1/4" (83)	J	10-1/16" (256)	P	11-11/16" (297)
E	3-7/8" (98)	K	5/8" (16)		

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	6661T3-XXX-C thru 6661U4-XXX-C
Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	1-1/2" A.N.S.I. Class 150 Flange
Air Inlet (female)	1/2 - 14 N.P.T.F. - 1
Air Exhaust (female)	3/4 - 14 N.P.T.F. - 1
Weight . 6661T3-XXX-C	62 lbs (28.1 kgs)
6661T4-XXX-C	92 lbs (41.7 kgs)
6661U3-XXX-C	85 lbs (38.6 kgs)
6661U4-XXX-C	115 lbs (52.2 kgs)
Air Section Service Kit	637118-C
Fluid Section Service Kit	637165-XX
Composite PTFE Dipahragm Kit	48496806

6661T3 - X [X] [X] -C
637165 - [X] [X]
└ Diaphragm Material
└ Ball Material

EXAMPLE: Model 6661T3-344-C
Fluid Section Service Kit is 637165-44

PERFORMANCE

Air Inlet Pressure Range	20 - 120 p.s.i. (1 - 8.3 bar)
Fluid Pressure Range	20 - 120 p.s.i. (1 - 8.3 bar)
Maximum Flow Rate (flooded inlet)	100 g.p.m. (378.5 l.p.m.)
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R.	-60° to 280° F (-51° to 138° C)
Hytrel	-20° to 150° F (-29° to 66° C)
Neoprene	0° to 200° F (-18° to 93° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	35° to 175° F (2° to 79° C)
Polyurethane	10° to 150° F (-12° to 66° 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)
Composite PTFE	14° to 194° F (-10° to 90° C)
Viton	-40° to 350° F (-40° to 177° C)
Displacement / Cycle @ 100 p.s.i.	
Standard Diaphragm	0.67 gal. (2.54 lit.)
Composite PTFE Diaphragm	0.43 gal. (1.63 lit.)
Noise Level @ 70 p.s.i. - 60 c.p.m.①	77.7 db(A)②

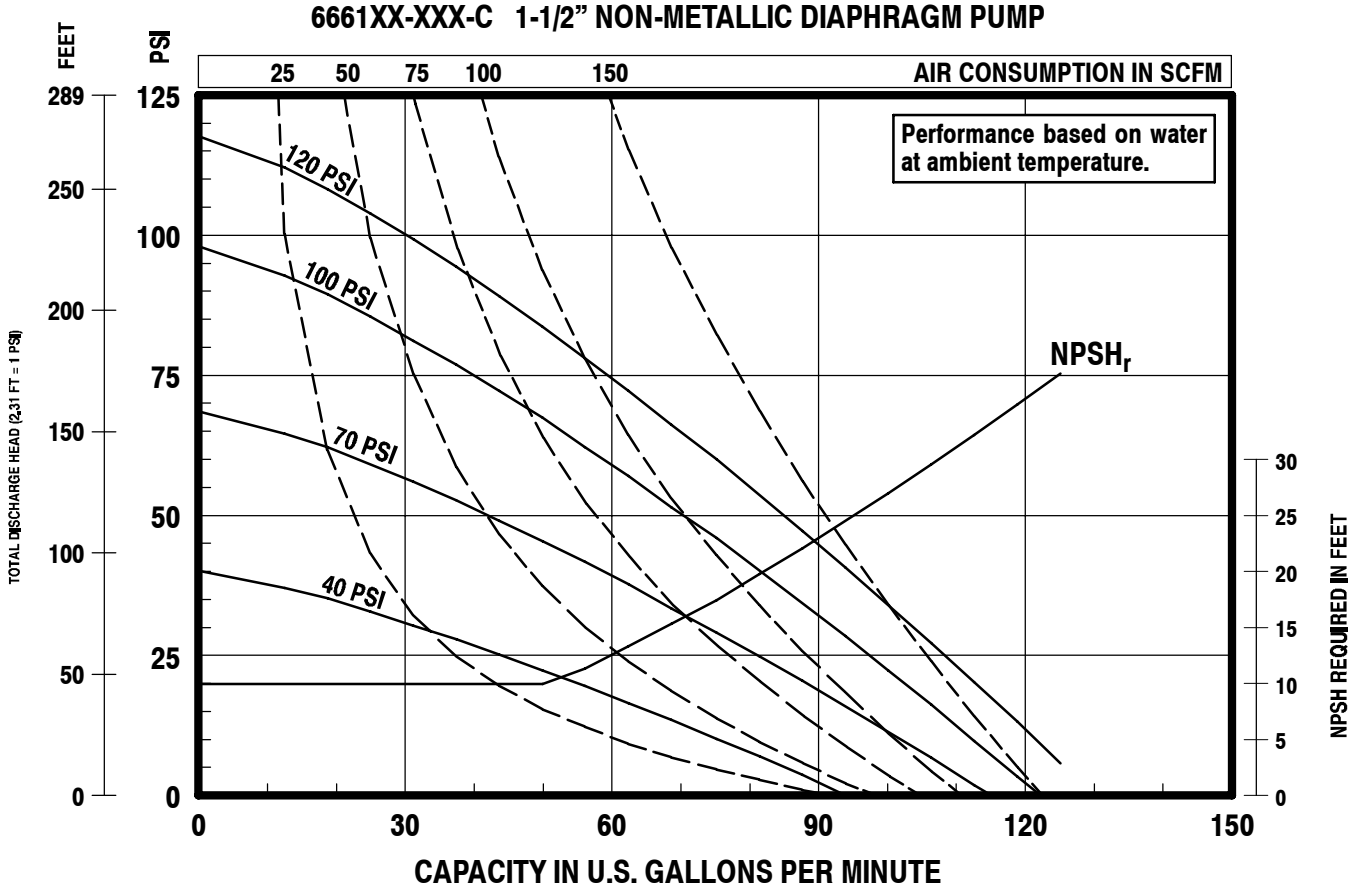
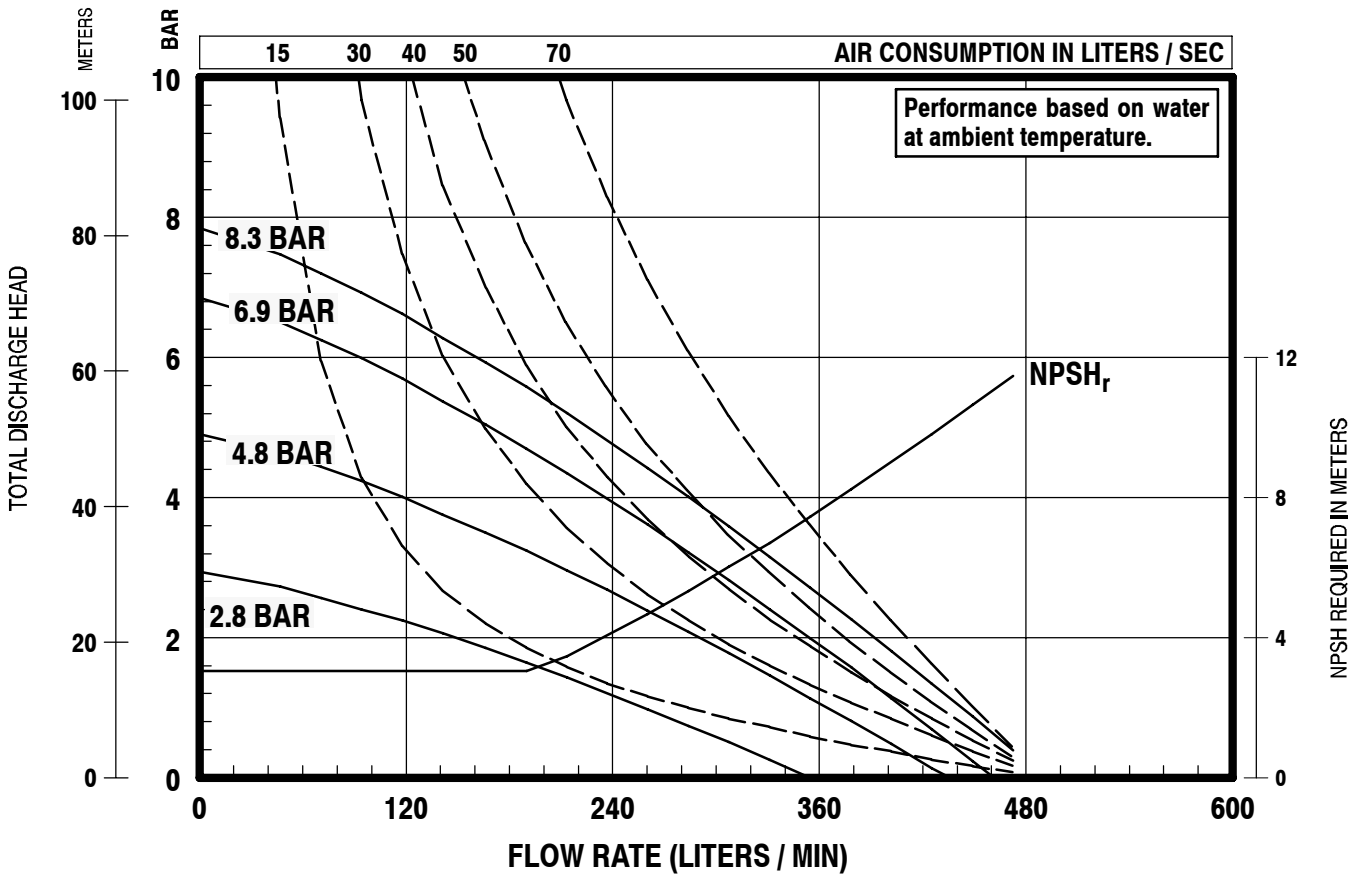
Notes:
① Tested with 93139 muffler installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

ACCESSORIES:
65010 Neoprene "O" Ring Air Motor Kit
65764 Viton "O" Ring Air Motor Kit
66084-1 Air Line Connection Kit

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

© 2012
CCN 15260185

ARO Ingersoll Rand Industrial Technologies

PERFORMANCE CURVES

6661XX-XXX-C 1-1/2" NON-METALLIC DIAPHRAGM PUMP