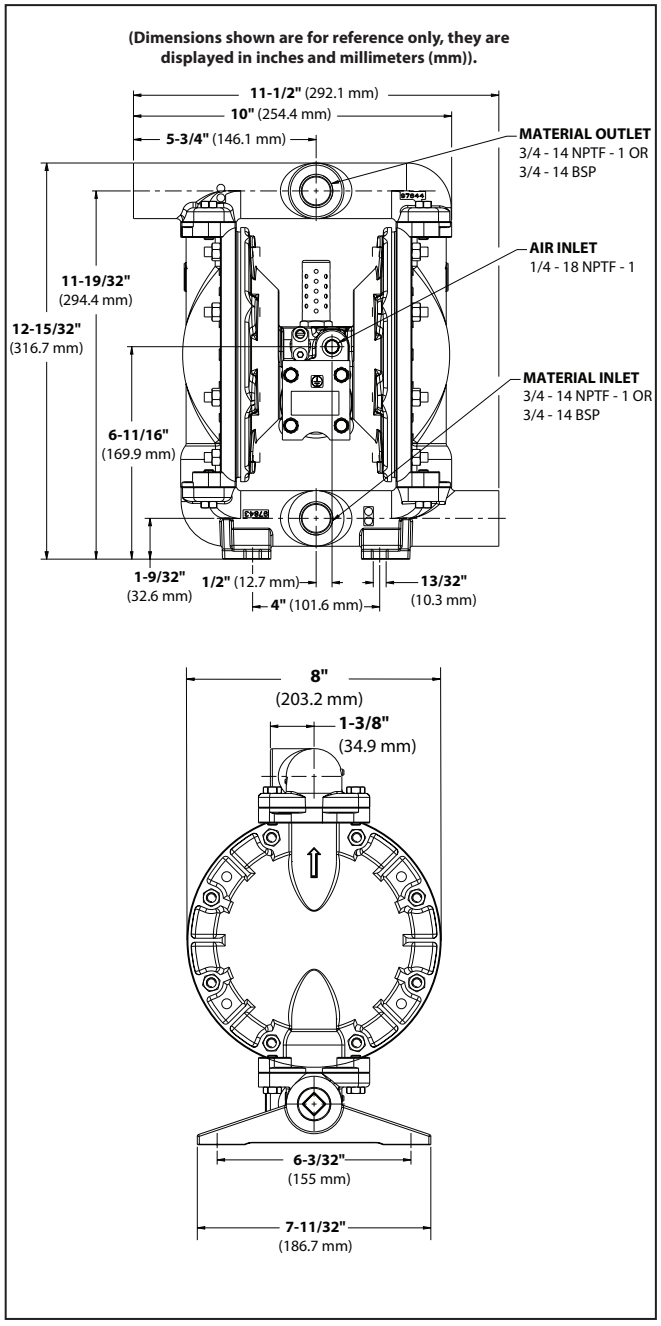
SALES AND ENGINEERING DATA

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

66607X-XXX-A AND 66608X-XXX-A
3/4" METALLIC DIAPHRAGM PUMP

RELEASED: 3-27-20
REVISED: 6-12-20
(REV: B) S-1621

DIMENSIONAL DATA 6660XX-XXX-A



SPECIFICATIONS 6660XX-XXX-A

CONSTRUCTION

Model Series	66607X-XXX-A 66608X-XXX-A
Pump Type	Metallic, Air operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
66607X-XXX-C	3/4-14 NPTF- 1
66608X-XXX-C	3/4-14 BSP
Air Inlet (female)	1/4 - 18 NPTF- 1
Air Exhaust (female)	3/8 - 18 NPTF - 1
Weight	
Aluminum	17.5 lbs (7.94 kgs)
Air Section Service Kit	637118-C
Fluid Section Service Kit	637119-XX-C

6660XX - X[X][X] - C
637119 - [X][X] - C
Ball Material — Diaphragm Material

Example: Model 666070-1EB-A
Fluid Section Service Kit is 637119-EB-C

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)	33 gpm (125 lpm)
Maximum Particle Size	1/8" dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)	
Acetal	-20° to 180° F (-29° to 82° C)
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrel®	-20° to 180° F (-29° to 82° C)
Neoprene	0° to 200° F (-18° to 93° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	32° to 175° F (0° to 79° C)
Polyurethane	-10° to 150° F (-23° to 66° C)
Kynar® PVDF	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	
Standard Diaphragm	0.15 gal. (0.57 lit)
Noise Level @ 70 psig, 60 cpm①	78.3 dB(A)②

① Tested with 93110 muffler installed.
② 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.

ACCESSORIES:
65010 Neoprene "O" Ring Air Motor Kit
65764 Viton "O" Ring Air Motor Kit
66073-2 Air Line Connection Kit
637167 Abrasion Resistant Conversion Kit

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PERFORMANCE CURVES

