SALES AND ENGINEERING DATA

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

66615X-XXX-C THRU 66618X-XXX-C
1-1/2" METALLIC DIAPHRAGM PUMP

RELEASED: 1-10-97
REVISED: 3-10-23
(REV: J) S-879

SPECIFICATIONS

Model Serie 6661XX-XXX-C
Pump Type ..... Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
- 66615X-X-C and 66616X-X-C .... 1-1/2 - 11-1/2 NPTF - 1
- 66617X-X-C and 66618X-X-C .... 1-1/2 - 11 BSP
- 6661LE-XXX-C ..... 1.5" HYBRID ANSI / DIN / JIS RF FLANGE

Air Inlet (female) ..... 1/2 - 14 NPTF - 1
Air Exhaust (female) ..... 3/4 - 14 NPTF - 1
Weight
- Aluminum ..... 51.54 lbs (23.4 kgs)
- Cast Iron ..... 79.54 lbs (36.1 kgs)
- Stainless Steel ..... 77.5 lbs (35.15 kgs)
- Flange Model ..... 88.73 lbs (40.25 kgs)

(add 23 lbs (10.4 kgs) for cast iron air motor section)

Air Section Service Kit 637118-C
Fluid Section Service Kit 637124-XX
Composite PTFE Diaphragm Kit . 48496806

66615X - XX X - C
637124 - XX - C
Ball Material — Diaphragm Material

Example: Model 666150-361-C
Fluid Section Service Kit is 637124-61

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). 90 gpm (340.7 lpm)
Maximum Particle Size ..... 1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)
- Acetal ..... -20° to 180° F (-29° to 82° C)
- E.P.R ..... -60° to 280° F (-51° to 138° C)
- Hytrel® ..... -20 to 180° F (-29 to 82° C)
- PVDF ..... 10° to 200° F (-12° to 93° 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)
- PTFE ..... 40° to 225° F (4° to 107° C)
- Composite PTFE ..... 14° to 194° F (-10° to 90° C)
- Santoprene® ..... -40° to 225° F (-40° to 107° C)
- Viton® ..... -40° to 350° F (-40° to 177° C)

Displacement / Cycle @ 100 psig
- Standard Diaphragm ..... 0.64 gal. (2.42 lit.)
- Composite PTFE Diaphgram .. 0.40 gal. (1.52 lit.)

Noise Level @ 70 psig - 60 cpm① . 80.5 dB(A)②

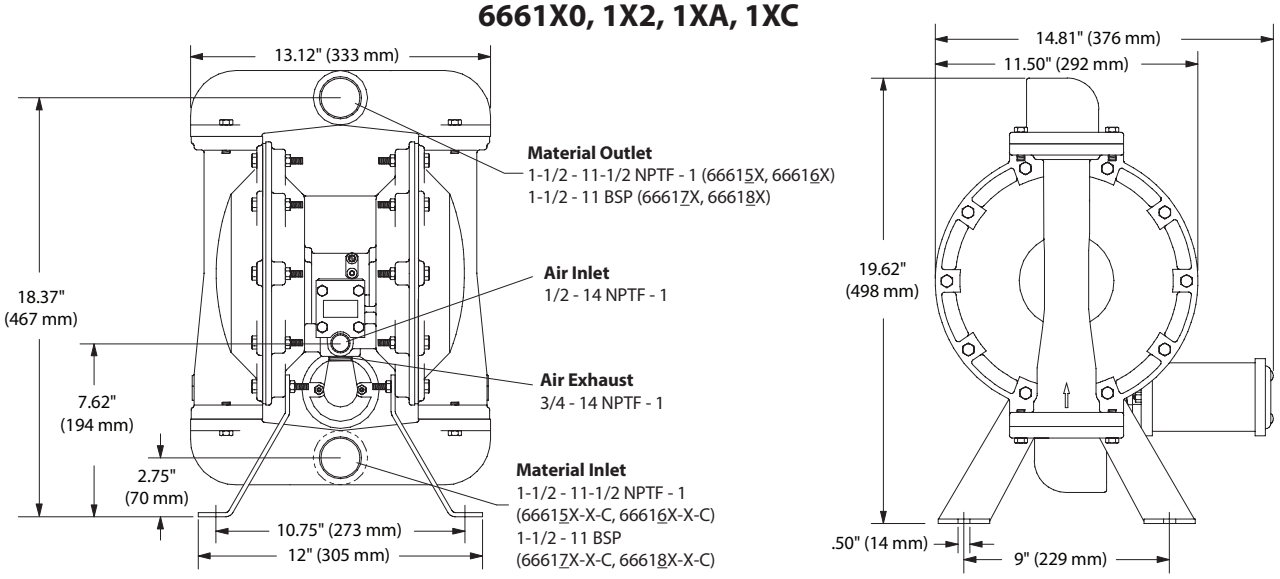
Note:
① Tested with 350-568 muffler installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

ACCESSORIES:

65010 Neoprene "O" Ring Air Motor Kit	66084-1 Air Line Connection Kit
65764 Viton "O" Ring Air Motor Kit	637155 Abrasion Resistant Conversion Kit

DIMENSIONAL DATA

6661X0, 1X2, 1XA, 1XC



Dimensions shown are for reference only, they are displayed in inches and millimeters (mm).

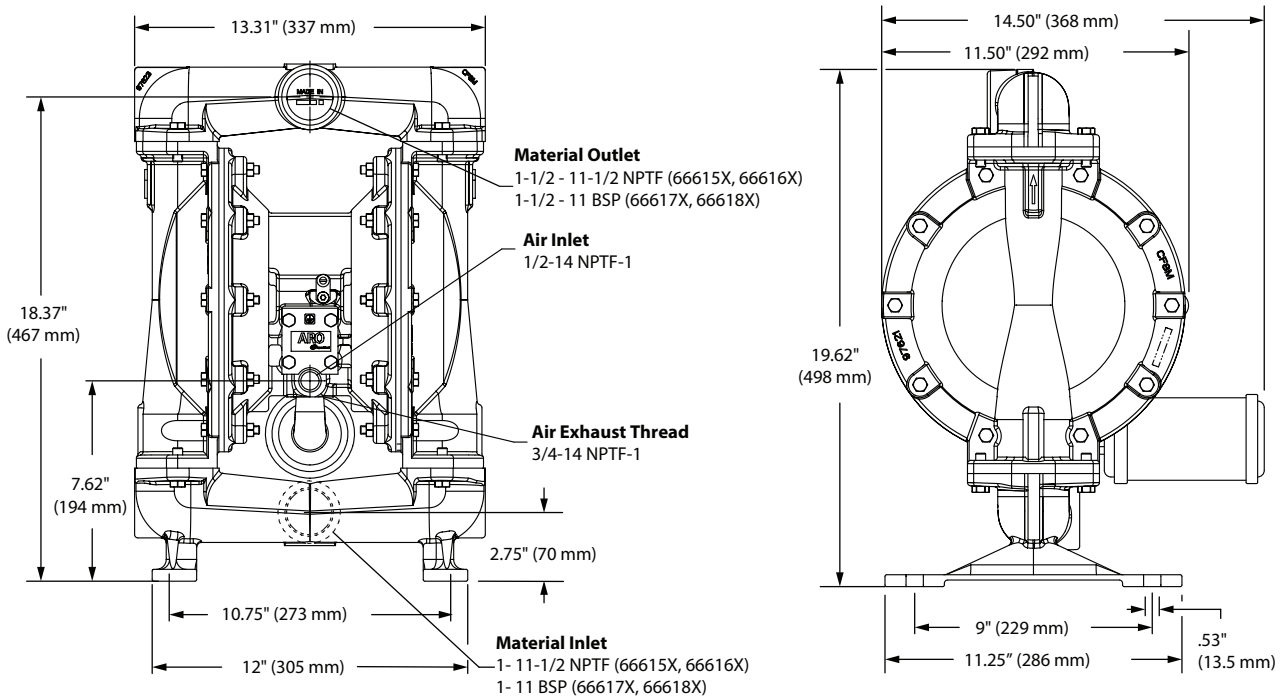
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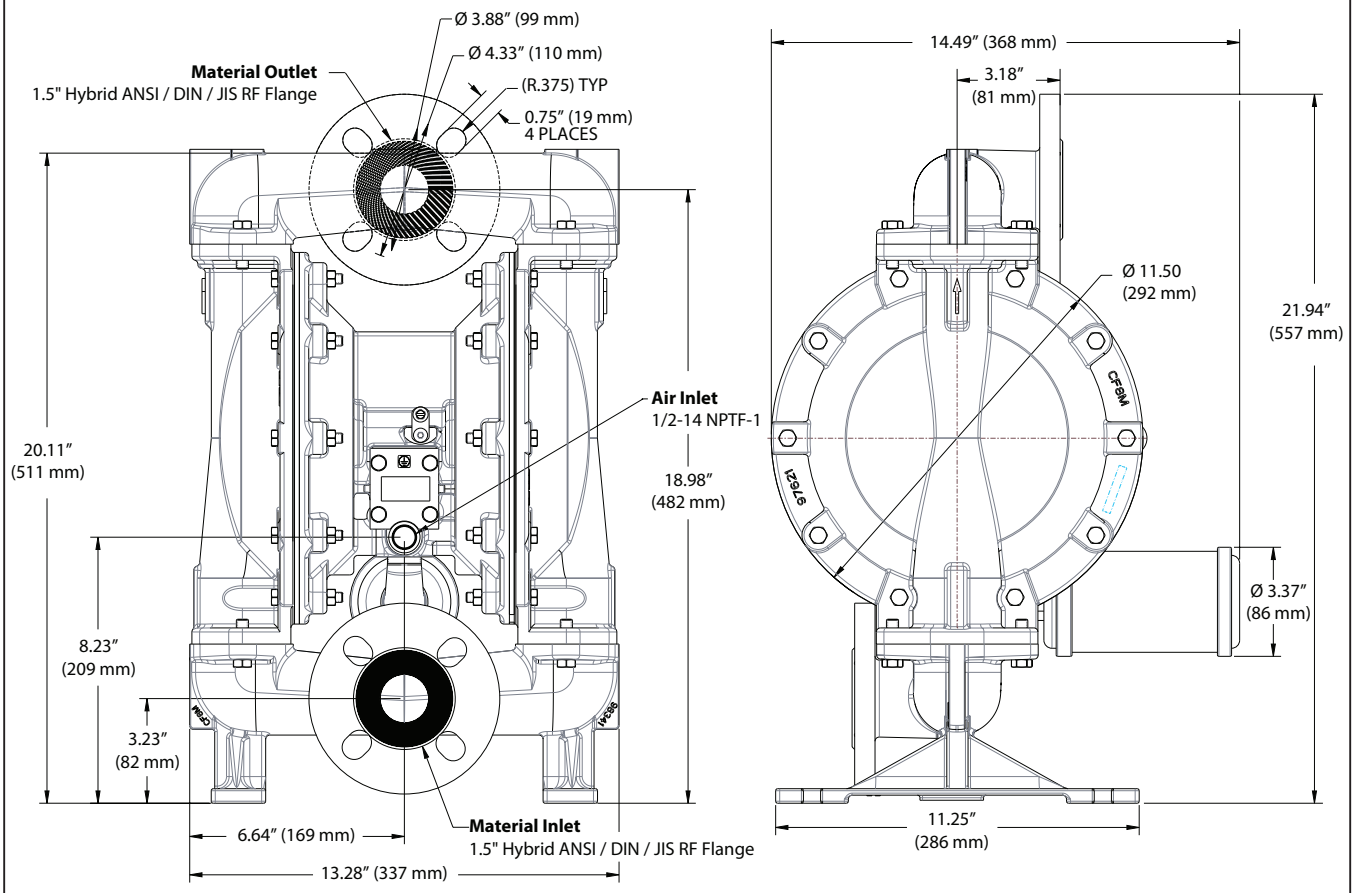
DIMENSIONAL DATA

6661X1, 1XB



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6661LE



Dimensions shown are for reference only, they are displayed in inches and millimeters (mm).

PERFORMANCE CURVES

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

