

SALES & ENGINEERING DATA

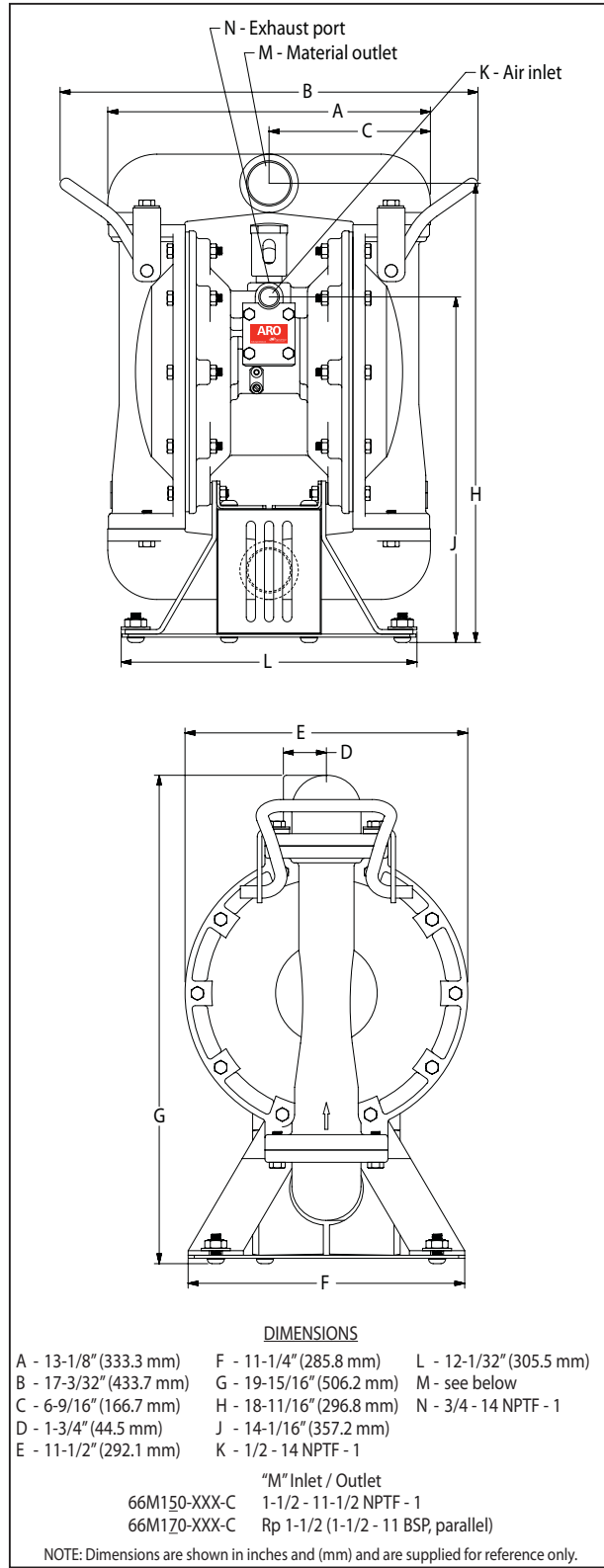
66M1X0-XXX-C 1-1/2" Metallic Diaphragm Pump

RATIO
SERIES: 1:1

FLUID P.S.I.
RANGE: 10 - 120

RELEASED: 12-6-08
REVISED: 6-7-10
(REV. 03) S-1465

DIMENSIONAL DATA



SPECIFICATIONS

Model Series 66M1X0-XXX-C
Pump Type Metallic, air operated,
double diaphragm pump
Ratio 1:1
Material Inlet / Outlet (female)
66M150-XXX-C 1-1/2 - 11-1/2 NPTF - 1
66M170-XXX-C Rp 1-1/2 (1-1/2 - 11 BSP parallel)
Air Inlet (female) 1/2 - 14 NPTF - 1
Air Exhaust (female) 3/4 - 14 NPTF - 1
Weight 55.53 lbs (25.19 kgs)
Air Section Service Kit 637118-C
Fluid Section Service Kit 637469-XX

66M1X0 - X X X - C

637469 - X X X
Diaphragm Material
Ball Material

EXAMPLE: Model #66M150-1EB-C
Fluid Section Service Kit # 637469-EB

PERFORMANCE

Air Inlet Pressure Range 10 - 120 p.s.i.g. (0 - 8.3 bar)
Maximum Material Inlet Pressure... 10 p.s.i.g. (0.69 bar)
Fluid Pressure Range 10 - 120 p.s.i.g. (0 - 8.3 bar)
Maximum Flow Rate (flooded inlet) ... 80 g.p.m. (302.8 l.p.m.)
Displacement / Cycle @ 100 p.s.i. ... 0.46 gal. (1.74 lit.)
Maximum Particle Size 1/2" (12.7 mm)
Maximum Temperature Limits (diaphragm / ball / seal / seat material)
E.P.R. / EPDM -60° to 280° F (-51° to 138° C)
Hytrel® -20° to 150° F (-29° to 66° C)
Nitrile 10° to 180° F (-12° to 82° 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 p.s.i. - 60 c.p.m. ① ... 77.7 db(A)②
Noise Level @ 70 p.s.i. - 60 c.p.m. ③ ... 107.0 db(A)②

① Tested with 93139 muffler assembly installed.

② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

③ Tested with 97117 housing and 97114 ball installed.

airpumping.co.uk

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ARO

IR Ingersoll Rand
Industrial Technologies

PERFORMANCE CURVES

66M1X0-XXX-C 1-1/2", METALLIC DIAPHRAGM PUMP

