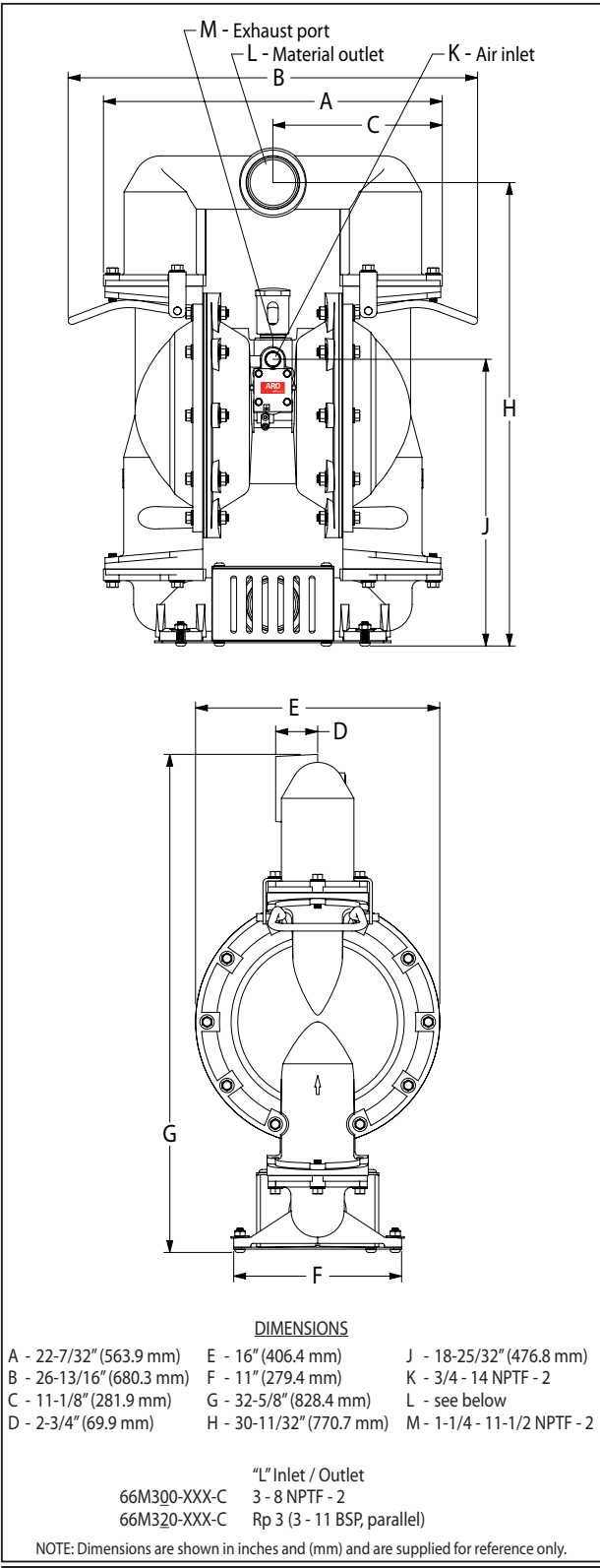


SALES & ENGINEERING DATA

66M3X0-XXX-C  
3" Metallic Diaphragm Pump

|                        |          |
|------------------------|----------|
| RATIO<br>SERIES:       | 1:1      |
| FLUID P.S.I.<br>RANGE: | 10 - 120 |
| RELEASED:              | 12-6-08  |
| REVISED:               | 6-7-10   |
| (REV. 02)              | S-1446   |

DIMENSIONAL DATA



SPECIFICATIONS

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| Model Series                     | 66M3X0-XXX-C                                     |
| Pump Type                        | Metallic, air operated,<br>double diaphragm pump |
| Ratio                            | 1:1                                              |
| Material Inlet / Outlet (female) |                                                  |
| 66M300-XXX-C                     | 3 - 8 NPTF - 2                                   |
| 66M320-XXX-C                     | Rp 3 (3 - 11 BSP parallel)                       |
| Air Inlet (female)               | 3/4 - 14 NPTF - 2                                |
| Air Exhaust (female)             | 1-1/4 - 11-1/2 NPTF - 2                          |
| Weight                           | 118.32 lbs (53.67 kgs)                           |
| Air Section Service Kit          | 637434                                           |
| Fluid Section Service Kit        | 637467-XX                                        |

66M3X0 - X X X - C  
637467 - X X X  
Diaphragm Material  
Ball Material

EXAMPLE: Model #66M300-1EB-C  
Fluid Section Service Kit # 637467-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)                                    | 217 g.p.m. (821.3 l.p.m.)       |
| Displacement / Cycle @ 100 p.s.i.                                    | 2.08 gal. (7.9 lit.)            |
| Maximum Particle Size                                                | 1" (25.4 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                                | 86.3 db(A)②                     |
| Noise Level @ 70 p.s.i. - 60 c.p.m. ③                                | 108.7 db(A)②                    |

- ① Tested with 94810 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 97116 housing and 97110-2 ball installed.

INGERSOLL RAND COMPANY LTD

209 NORTH MAIN STREET - BRYAN, OHIO 43506

☎ (800) 495-0276 • FAX(800) 892-6276

www.ingersollrandproducts.com

© 2010

CCN 15325418

ARO

IR Ingersoll Rand  
Industrial Technologies

# PERFORMANCE CURVES

## 66M3X0-XXX-C 3", METALLIC DIAPHRAGM PUMP

