

SALES AND ENGINEERING DATA

RATIO
SERIES: **1:1**

FLUID PSIG
RANGE: **10 - 100**

RELEASED: 3-21-06
REVISED: 3-10-23
(REV: G) S-1363

66630X-XXX-C, 66632X-XXX-C and 6663GE-XXX-C 3" METALLIC DIAPHRAGM PUMP

SPECIFICATIONS

Model Series	6663XX-XXX-C
Pump Type	Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
66630X-XXX-C	3 - 8 NPTF - 2
66632X-XXX-CA	Rp 3 (3 - 11 BSP parallel)
6663GE-XXX-C	3" Hybrid ANSI / DIN / JIS RF Flange
Air Inlet (female)	3/4 - 14 NPTF - 2
Air Exhaust (female)	1-1/4 - 11-1/2 NPTF - 2
Weight	
6663X0-XXX-C	109.84 lbs (49.82 kgs)
6663X1-XXX-C	222.21 lbs (100.79 kgs)
6663X2-XXX-C	213.08 lbs (96.65 kgs)
6663XA-XXX-C	109.84 lbs (49.82 kgs)
6663XB-XXX-C	222.21 lbs (100.79 kgs)
6663XC-XXX-C	213.08 lbs (96.65 kgs)
6663GE-XXX-C	244.82 lbs (111.05 kgs)
Air Section Service Kit	637434
Fluid Section Service Kit	637433-XX

6663XX-XXX-C
637433-XXX-C

Ball Material Diaphragm Material

Example: Model 666300-1EB-C
Fluid Section Service Kit is 637433-EB

PERFORMANCE

Air Inlet Pressure Range	10 - 100 psig (0.69 - 6.9 bar)
Maximum Material Inlet Pressure	10 psig (0.69 bar)
Fluid Pressure Range	10 - 120 psig (.69 - 6.9 bar)
Maximum Flow Rate (flooded inlet)	237 gpm (897.0 lpm)
Displacement / Cycle @ 100 psig	2.65 gal. (10.03 lit.)
Maximum Particle Size	3/8" (9.5 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytre®	-20° to 180° F (-29° to 82° C)
Nitrile	10° to 180° F (-12° to 82° C)
PVDF	10° to 200° F (-12° to 93° C)
PTFE	40° to 225° F (4° to 107° C)
Santoprene®	-40° to 225° F (-40° to 107° C)
Viton®	-40° to 350° F (-40° to 177° C)
Noise Level @ 70 psig - 60 cpm ^①	86.3 dB(A) ^②

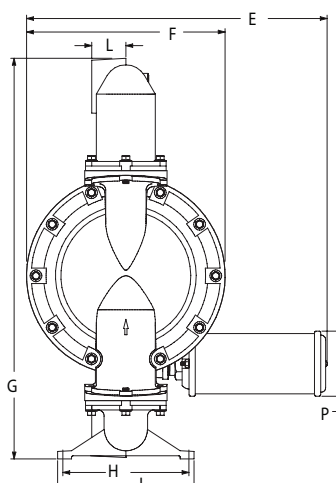
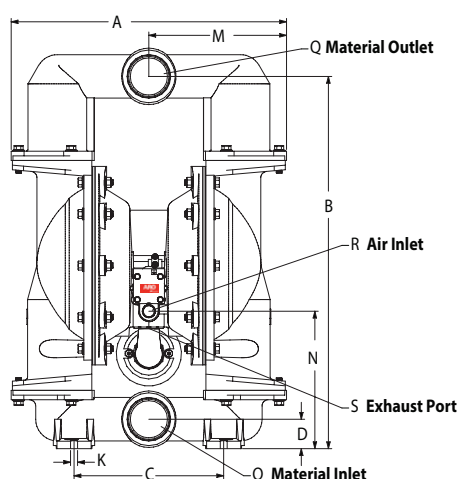
Note:

- ① Tested with 94810 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: 66312 Air Line Connection Kit

DIMENSIONAL DATA

66630X-XXX-C, 66632X-XXX-C



A - 22.21" (564 mm)
B - 30" (762 mm)
C - 12.06" (306 mm)
D - 2.37" (60 mm)
E - 24.43" (620 mm)
F - 16" (406 mm)
G - See below
H - 10.15" (258 mm)
J - 11" (279 mm)
K - .56" (14 mm)
L - See below
M - 11.12" (282 mm)
N - 11.09" (282 mm)
P - 5.25" (133 mm)
Q - See below
R - 3/4 - 14 NPTF - 2
S - 1-1/4 - 11-1/2 NPTF - 2

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

Model	"G"	"L"	Model	"G"	"L"	Model	"Q"
6663X0-XXX-C	32.28" (820 mm)	2.75" (70 mm)	6663XA-XXX-C	32.28" (820 mm)	2.75" (70 mm)	666300-XXX-C	3 - 8 NPTF - 2
6663X1-XXX-C	32.18" (817 mm)	2.62" (67 mm)	6663XB-XXX-C	32.18" (817 mm)	2.62" (67 mm)	666320-XXX-C	Rp 3
6663X2-XXX-C	32.28" (820 mm)	2.75" (70 mm)	6663XC-XXX-C	32.28" (820 mm)	2.75" (70 mm)		(3 - 11 BSP, parallel)

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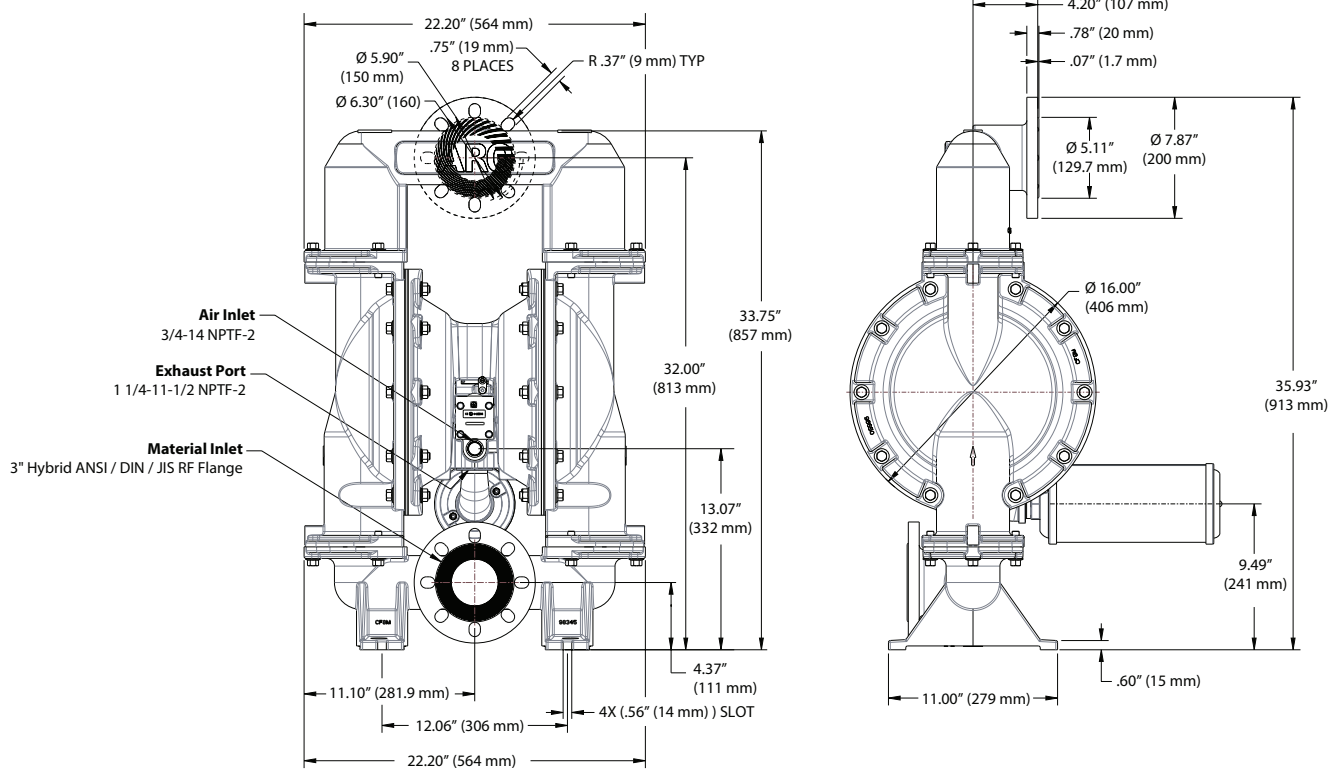
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IR Ingersoll Rand®

DIMENSIONAL DATA

6663GE



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PERFORMANCE CURVES

3" METALLIC DIAPHRAGM PUMP

