

NM2304A-() TWO - BALL PUMP

RELEASED: 10-17-97
REVISED: 5-1-20
(REV: E) S-920

DIMENSIONAL DATA

MODEL NM2304A-X1-X11

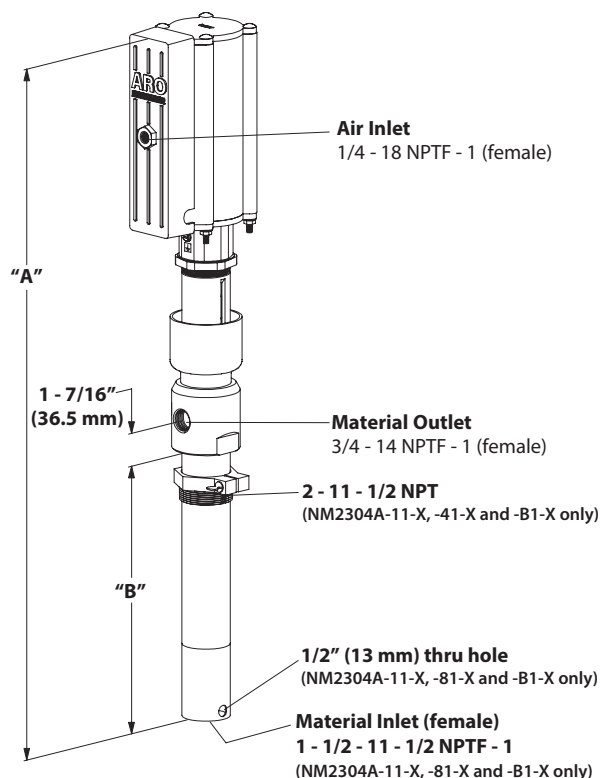


Figure 1

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

MODEL	"A"(mm)	"B" (mm)	WEIGHT (kg)
NM2304B-11-X11	30 - 1/4" (768.5)	11 - 3/4" (297.7)	32.0 lbs (14.5)
NM2304B-41-X11	55 - 5/8" (1413.0)	37 - 1/8" (942.2)	46.0 lbs (20.9)
NM2304B-81-X11	30 - 1/4" (768.5)	11 - 3/4" (297.7)	31.4 lbs (14.3)
NM2304B-91-X11	55 - 5/8" (1413.0)	37 - 1/8" (942.2)	45.4 lbs (20.6)
NM2304B-A1-X11	29 - 9/16" (751.0)	11 - 1/16" (280.2)	31.0 lbs (14.1)
NM2304B-B1-X11	30 - 1/4" (768.5)	11 - 3/4" (297.7)	32.0 lbs (14.5)

SPECIFICATIONS

CONSTRUCTION

Model Series	NM2304A-X1-X11
Pump Type	Air Operated, Two-Ball, Oil Pump
Ratio	4:1
Air Motor	66913
Air Motor Repair Kit	637316
Air Motor Diameter	3" (7.62 cm)
Stroke	3" (7.62 cm)
Air Inlet	1/4 - 18 NPTF - 1 (female)
Lower Pump End Series	67151-X-X11
Lower Pump Repair Kit	
NM2304A-X1-111	K1875A11LFXX
NM2304A-X1-311	K1875A11KSXX
NM2304A-X1-511	K1875A11USXX
NM2304A-X1-C11	K1875A11FFXX
Material Inlet	
NM2304A-11-X11, -81-, -B1- (female)	1 - 1/2 - 11 - 1/2 NPTF - 1
NM2304A-41-X11, -91-, -A1- (female)	Immersed Inlet
Material Outlet	3/4 - 14 NPTF - 1 (female)

MATERIALS OF CONSTRUCTION

Outlet Body	Carbon Steel
Cylinder	Carbon Steel
Plunger	Carbon Steel
Upper Packing	
NM2304A-X1-111	Leather
NM2304A-X1-C11	UHMW-PE
NM2304A-X1-311	Glass Filled PTFE
NM2304A-X1-511	Glass Filled PTFE / Leather Staggered
Lower Packing	
NM2304A-X1-111	UHMW-PE
NM2304A-X1-C11	UHMW-PE
NM2304A-X1-311	PTFE
NM2304A-X1-511	PTFE
Upper Ball	52100 Chrome Steel
Upper Seat	Carbon Steel
Lower Ball	52100 Chrome Steel
Inlet Body	Carbon Steel

PERFORMANCE

Air Inlet Pressure Range	30 - 150 psig (2.1 - 10.3 bar)
Fluid Pressure Range	60 - 795 psig (4.1 - 54.8 bar)
Maximum Rec'd Cycles / Minute	120
Flow @ 120 Cycles / Minute	4.26 gpm (16.121 lpm)
Displacement Per Cycle	8.2 In ³ (134 cc)
Cycles Per Gallon	28
Noise Level @ 100 psig - 60 cpm	85 dB(A) ^①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROPS5.1 using four microphone locations.

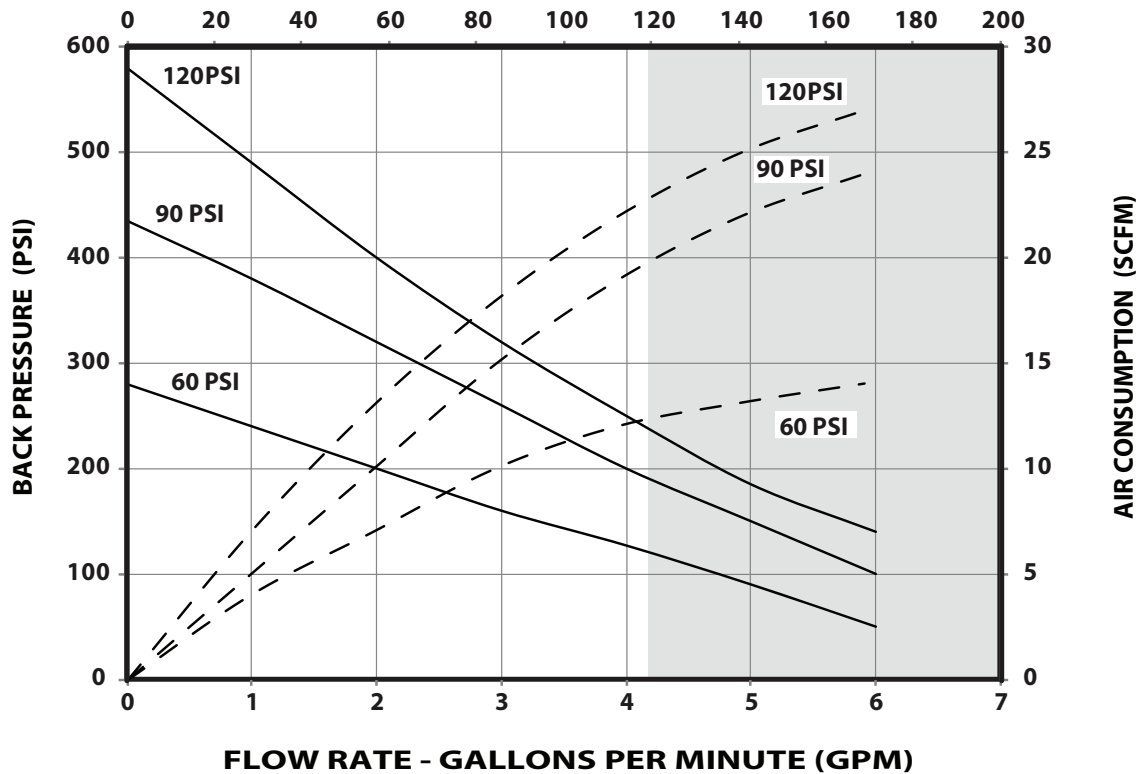
ACCESSORIES:

61113 Wall Mount Bracket
66073-1 Air Line Connection Kit

PERFORMANCE CURVES

PERFORMANCE BASED ON 30wt. OIL (100 cSt) AT 40° C TEMPERATURE

CYCLES PER MINUTE (CPM)



NOTE : NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE

PERFORMANCE BASED ON 30wt. OIL (100 cSt) AT 40° C TEMPERATURE

CYCLES PER MINUTE (CPM)

