SALES AND ENGINEERING DATA

RATIO: SERIES:	5:1
FLUID PSIG: RANGE:	0 - 750

LM2305A-( )-B
TWO - BALL PUMP

RELEASED: 12-27-04
REVISED: 11-30-17
(REV: D) S-1356

DIMENSIONAL DATA

MODEL LM2305A-XX-B

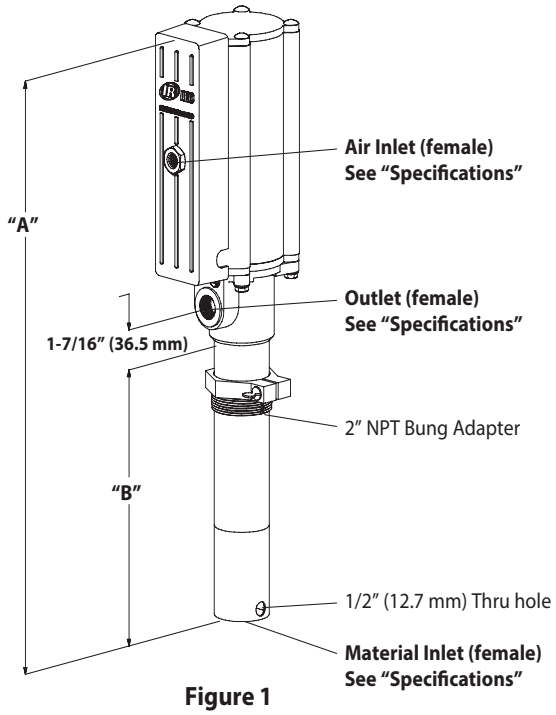


Figure 1

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

MODEL	"A" (mm)	"B" (mm)	WEIGHT (kg)
LM2305A-1X-B	21" (533.4)	9-3/4" (247.7)	15.75 (7.14)
LM2305A-2X-B	31-1/2" (800.1)	20-1/4" (514.4)	XXX (XXX)
LM2305A-3X-B	41-1/4" (1047.8)	30" (762)	24.3 (11.02)
LM2305A-4X-B	51" (1295.4)	39-3/4" (1009.7)	28.5 (12.93)
LM2305A-5X-B	58-5/8" (1489.1)	47-3/8" (1203.3)	31.7 (14.38)

SPECIFICATIONS

CONSTRUCTION

Model Series LM2305A-XX-B
Pump Type..... Air Operated, Two-Ball, Double Acting Oil Pump
Ratio..... 5:1
Air Motor Diameter..... 3" (7.62 cm)
Stroke..... 3" (7.62 cm)
Air Inlet (female)
LM2305A-X1-B ..... 1/4 - 18 NPTF - 1
LM2305A-X2-B..... Rp 1/4 (1/4 - 19 BSP Parallel)
Material Inlet (female)
LM2305A-X1-B..... 1-1/2 - 11-1/2 NPTF - 1
LM2305A-X2-B..... Rp 1-1/2 (1-1/2 - 11 BSP Parallel)
Material Outlet (female)
LM2305A-X1-B ..... 1/2 - 14 NPTF - 1
LM2305A-X2-B..... Rp 1/2 (1/2 - 14 BSP Parallel)
Pump Rebuild Kit..... 637226

MATERIALS OF CONSTRUCTION

Outlet Body ..... Steel
Cylinder..... Aluminium
Plunger..... Steel
Upper Packing..... Polyurethane
LowerPacking..... Polyurethane
Upper Seat..... Steel
Lower Seat..... Steel
Upper Ball ..... Steel
Lower Ball..... Steel
Inlet Body..... Steel

PERFORMANCE

Air Inlet Pressure Range ..... 0 - 150 psig (0 - 10.3 bar)
Fluid Pressure Range ..... 0 - 750 psig (0 - 51.7 bar)
Maximum Rec'd Cycles / Minute 120
Displacement Per Cycle @ 100 psig . 8.3 In^3 (136.0 cc)
Cycles Per Gallon 28
Flow @ 120 Cycles / Minute ..... 4.3 gpm (16.3 lpm)
Noise Level @ 100 psig ..... 85 dB(A)①

① 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-PNEUROPS5.1 using four microphone locations.

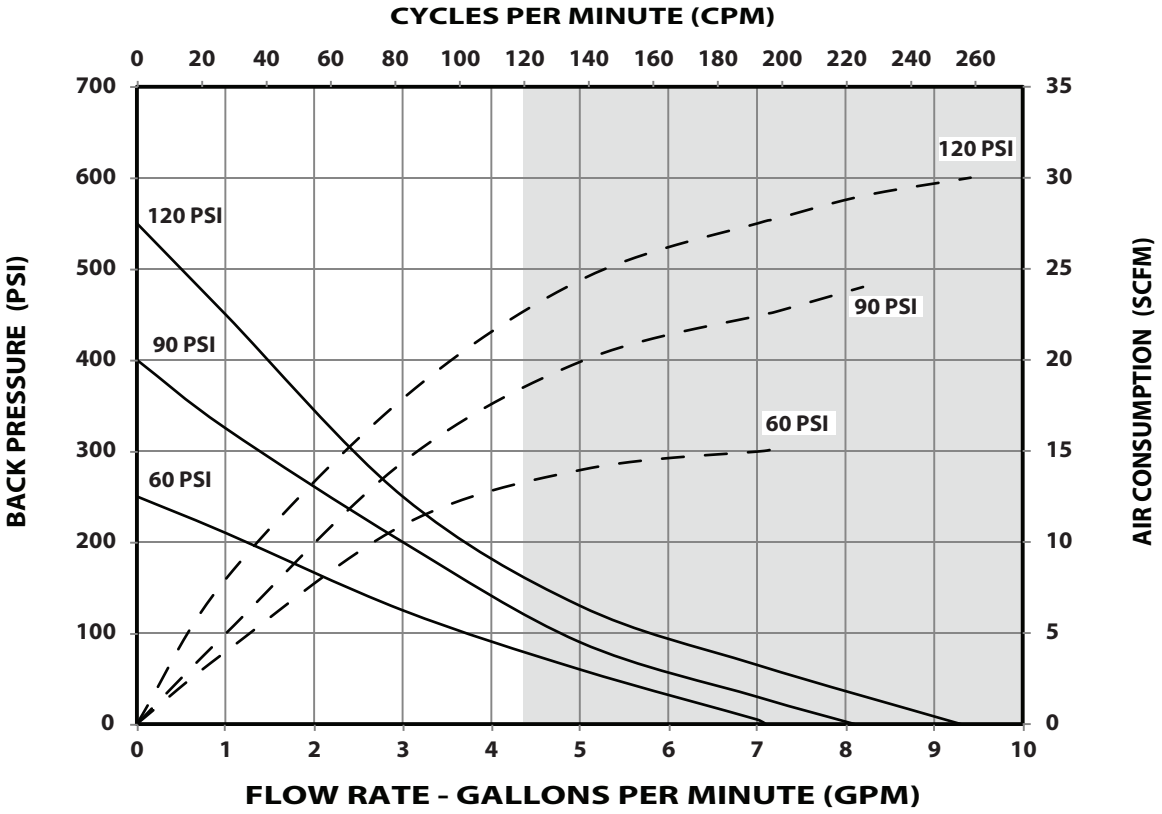
ACCESSORIES:
61113 Wall Mount Bracket
66073-1 Air Line Connection Kit

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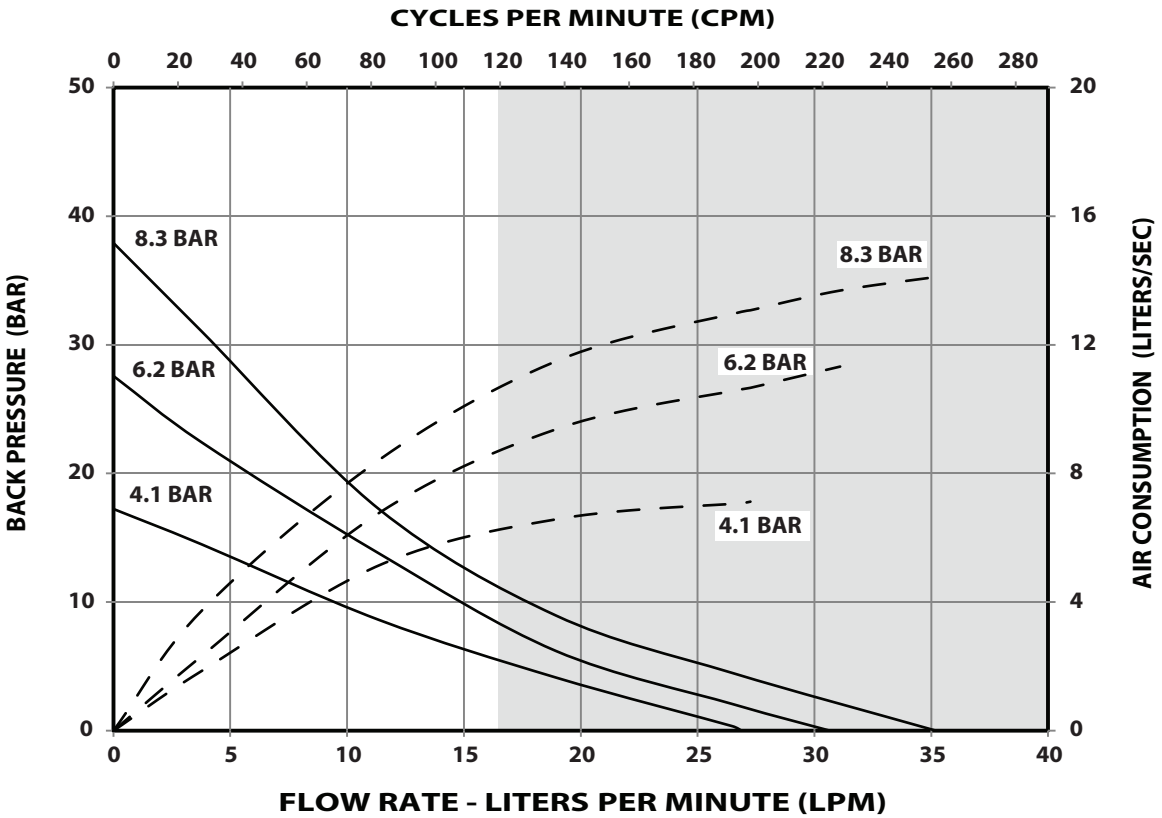
PERFORMANCE CURVES

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



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

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